

National Curriculum Statement (NCS)

*Curriculum and Assessment
Policy Statement*



*Foundation Phase
Grade R*



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**XITATIMENDE XA PHOLISI YA KHARIKHULAMU NA
MAKAMBELELO**

GIREDI YA V

MATEMATIKI

DISCLAIMER

In view of the stringent time requirements encountered by the Department of Basic Education to effect the necessary editorial changes and layout to the Curriculum and Assessment Policy Statements and the supplementary policy documents, possible errors may occur in the said documents placed on the official departmental websites.

There may also be vernacular inconsistencies in the language documents at Home-, First and Second Additional Language levels which have been translated in the various African Languages. Please note that the content of the documents translated and versioned in the African Languages are correct as they are based on the English generic language documents at all three language levels to be implemented in all four school phases.

If any editorial, layout or vernacular inconsistencies are detected, the user is kindly requested to bring this to the attention of the Department of Basic Education.

E-mail: capslangcomments@dbe.gov.za or fax (012) 328 9828

Department of Basic Education

222 Struben Street
Private Bag X895
Pretoria 0001
South Africa
Tel: +27 12 357 3000
Fax: +27 12 323 0601

120 Plein Street Private Bag X9023
Cape Town 8000
South Africa
Tel: +27 21 465 1701
Fax: +27 21 461 8110
Website: <http://www.education.gov.za>

© 2011 Department of Basic Education

ISBN: 978-1-4315-0442-8

Design and Layout by: Ndabase Printing Solution

Printed by: Government Printing Works

FOREWORD BY THE MINISTER



Our national curriculum is the culmination of our efforts over a period of seventeen years to transform the curriculum bequeathed to us by apartheid. From the start of democracy we have built our curriculum on the values that inspired our Constitution (Act 108 of 1996). The Preamble to the Constitution states that the aims of the Constitution are to:

- heal the divisions of the past and establish a society based on democratic values, social justice and fundamental human rights;
 - improve the quality of life of all citizens and free the potential of each person;
 - lay the foundations for a democratic and open society in which government is based on the will of the people and every citizen is equally protected by law; and
- build a united and democratic South Africa able to take its rightful place as a sovereign state in the family of nations.

Education and the curriculum have an important role to play in realising these aims.

In 1997 we introduced outcomes-based education to overcome the curricular divisions of the past, but the experience of implementation prompted a review in 2000. This led to the first curriculum revision: the *Revised National Curriculum Statement Grades R-9* and the *National Curriculum Statement Grades 10-12* (2002).

Ongoing implementation challenges resulted in another review in 2009 and we revised the *Revised National Curriculum Statement* (2002) and the *National Curriculum Statement Grades 10-12* to produce this document.

From 2012 the two National Curriculum Statements, for *Grades R-9* and *Grades 10-12* respectively, are combined in a single document and will simply be known as the *National Curriculum Statement Grades R-12*. The *National Curriculum Statement for Grades R-12* builds on the previous curriculum but also updates it and aims to provide clearer specification of what is to be taught and learnt on a term-by-term basis.

The *National Curriculum Statement Grades R-12* represents a policy statement for learning and teaching in South African schools and comprises of the following:

- (a) Curriculum and Assessment Policy Statements (CAPS) for all approved subjects listed in this document;
- (b) *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R-12*; and
- (c) *National Protocol for Assessment Grades R-12*.

A handwritten signature in black ink, which appears to read 'Angie Motshekga'.

MRS ANGIE MOTSHEKGA, MP
MINISTER OF BASIC EDUCATION

VUNDZENI

| | |
|----------------------------------------------------------------------------------------------|-----------|
| XIYENGE XA 1: MANGHENELO NA VUNDZHAKU..... | 3 |
| 1.1 Vundzhaku | 3 |
| 1.2 Nkatsakanyo wa kharikhulamu | 3 |
| 1.3 Swikongomelo swa Kharikhulamu ya Afrika-Dzonga hi ku angarhela | 4 |
| 1.4 Maavelo ya Nkarhi | 6 |
| 1.4.1 Xiyimo xa Masungulo | 6 |
| 1.4.2 Xiyimo xa le Xikarhi..... | 6 |
| 1.4.3 Xiyimo xa le Henhla | 7 |
| 1.4.4 Tigiredi ta 10-12 | 7 |
| XIYENGE XA 2: NHLAMUSELO, SWIKONGOMELO, VUSWIKOTI NA VUNDZENI | 8 |
| 2.1 Manghenelo | 8 |
| 2.2 Xana Matematiki i yini?..... | 8 |
| 2.3 Swikongomelo-thwi..... | 8 |
| 2.4 Vuswikoti byo kongoma | 9 |
| 2.5 Nkongomo eka Swiyenge swa Vundzeni | 9 |
| 2.6 Ntikelo wa swiyenge swa vundzeni | 11 |
| 2.7 Matematiki eka Xiyimo xa Masungulo | 11 |
| 2.7.1 Swiletelo leswi ringanyetiweke swa malawulelo ya tlilasi..... | 12 |
| 2.7.2 Vadyondzi lava nga swiphiqo eka ku dyondza Matematiki | 13 |
| 2.7.3 Menthele | 13 |
| 2.8 Giredi ya V | 14 |
| 2.9 Switirhisiwa leswi bumabumeriwaka swa tlilasi ya Matematiki ya Xiyimo xa Masungulo | 17 |
| XIYENGE XA 3: NKONGOMISO WA VUNDZENI NA NHLAMUSELO..... | 18 |
| 3.1 Manghenelo | 18 |
| 3.2 Swihlawulekisi swa vundzeni leswi kombisaka ku ya emahlweni..... | 18 |
| • Tinomboro, Tioparexini na Vuxaka | 19 |
| • Tipatironi, Tifankixini na Alijebura | 26 |
| • Ndhawu na Xivumbeko (Jometiri) | 27 |
| • Mpimo | 30 |
| • Matirhiselo ya Vuxokoxoko bya Tinhlayo | 35 |
| 3.3 Nhlamuselo ya vundzeni bya dyondzo | 37 |

| | | |
|----------------------------------------|-----------------------------------------------------------------------------------------|------------|
| 3.4 | Ku landzelerisa na ku pima vundzeni bya dyondzo..... | 38 |
| | • Nkatsakanyo wa Giredi ya V hi kotara | 41 |
| 3.5 | Tinotsi ta nhlamuselo ya vundzeni bya dyondzo leti nga na swiletelo swo dyondzisa | 60 |
| XIYENGE XA 4: MAKAMBELELO | | 265 |
| 4.1 | Manghenelo | 265 |
| 4.2 | Makambebelelo ya nkamafundza kumbe makambebelelo ya siku na siku | 265 |
| 4.3 | Makambebelelo ya mafundza | 265 |
| 4.4 | Nongonoko wa makambebelelo ya mafundza | 266 |
| 4.5 | Ku rhekoda na ku vika | 266 |
| 4.6 | Ku angarhela..... | 267 |
| 4.7 | Xikombiso xa mintirho yo kambela ya Giredi ya V | 267 |

XIYENGE XA 1: MANGHENELO NA VUNDZHAKU

1.1 VUNDZHAKU

Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R-12 (XKR) xi hlamusela pholisi ya kharikhulamu na makambebelelo eka xiyenge xa swikolo.

Ku antswisa matirhiselo ya xona Xitatimende xa Kharikhulamu ya Rixaka xi antswisiwile naswona ku antswisiwa loku ku ta sungula ku tirhisiwa hi Sunguti 2012. Tsalwa rin'we leri hlanganeke ra Pholisi ya Kharikhulamu na Makambebelelo ri endlile eka dyondzo yin'wana na yin'wana ku siva Switatimende swa tidyondzo, Swiletelo swa minongonoko yo dyondza na Swiletelo swa makambebelelo ya dyondzo leswa khale eka Tigiredi ta R - 12.

1.2 NKATSAKANYO WA KHARIKHULAMU

- (a) Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R-12 (Sunguti 2012) xi yimela xitatimende xa pholisi yo dyondza no dyondzisa eswikolweni swa Afrika-Dzonga naswona xi katsa leswi landzelelaka:
- (i) Switatimende swa Pholisi ya Kharikhulamu na Makambebelelo swa dyondzo yin'wana na yin'wana ya xikolo leyi pfumeleriweke hilaha swi longoloxiweke hakona
 - (ii) Tsalwa ra *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12*; na
 - (iii) Tsalwa ra pholisi ra : *National Protocol for Assessment Grades R- 12 (January 2012)*.6.
- (b) Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R - 12 (Sunguti 2012) xi siva switatimende swa tikharikhulamu ta rixaka swimbirhi swa nkarhi wa sweswi ku nga:
- (i) *Revised National Curriculum Statement Grades R - 9, Government Gazette No. 23406 of 31 May 2002*, na
 - (ii) *National Curriculum Statement Grades 10 - 12 Government Gazettes, No. 25545 of 6 October 2003 and No. 27594 of 17 May 2005*
- (c) Switatimende swa Kharikhulamu ya Rixaka leswi kunguhatiweke eka tindzimanantsongo ta (a) na (b) swi angarhela switsariwa swa pholisi leswi landzelaka. Switsariwa leswi swi ta siviwa hi ndlela yo engetela hi switsongotsongo hi Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R - 12 (Sunguti 2012) hi malembe ya 2012 - 2014.:
- (i) Switatimende swa Dyondzo, Swiletelo swa Nongonoko wo Dyondza na Swiletelo swa Makambebelelo ya Dyondzo swa Tigiredi ta R - 9 na Tigiredi ta 10 - 12,
 - (ii) Tsalwa ra pholisi ra, *National Policy on assessment and qualifications for schools in the General Education and Training Band*, eka *Government Notice No. 124 eka Government Gazette No. 29626* ya 12 Nyenyenyani 2007;
 - (iii) Tsalwa ra pholisi ra, the *National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF)*, leri hangalasiweke eka *Government Gazette No.27819* ya 20 Mawuwani 2005;

- (iv) Tsalwa ra pholisi ra, *An addendum to the policy document, the National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF)*, mayelana na vadyondzi lava nga na swilaveko swo hlawuleka, leri hangalasiweke eka *Government Gazette, No.29466* ya 11 N'wendzambahala 2006, ri katsiwile eka tsalwa ra pholisi ra, *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12*; na
 - (v) Tsalwa ra pholisi ra, *An addendum to the policy document, the National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF)*, mayelana na tsalwa ra *National Protocol for Assessment (Grades R - 12)*, leri hangalasiweke eka *Government Notice No.1267* eka *Government Gazette No. 29467* ya 11 N'wendzambahala 2006.
- (d) Tsalwa ra pholisi ra *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Tigiredi ta R - 12* na swiyenge swa Xitatimende xa Pholisi ya Kharikhulamu na Makambebelelo hilaha swi longoloxiweke hakona eka Kavanyisa ka 2,3 na 4 eka tsalwa leri, ri vumba swipimo swa maendlelo na mipimo ya Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R - 12. Hikwalaho, hi ku ya hi xiyenge xa 6A xa Nawu wa Swikolo swa Afrika-Dzonga (Act No. 84 wa 1996) yi ta, vumba masungulo ya ku va Holobye wa Dyondzo ya Masungulo a nyika vugimutsongo bya mimbuyelo na mipimo, xikan'we na maendlelo yo kambela matirhelo ya vadyondzi lama nga ta tirhisiwa eka swikolo swa mfumo na leswi tiyimeleke.

1.3 SWIKONGOMELO SWA KHARIKHULAMU YA AFRIKA-DZONGA HI KU ANGARHELA

- (a) Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R - 12 xi nyika nhlamuselo ya leswi swi tekiwaka swi ri vutivi, vuswikoti na mikoka leyi faneleke ku dyondziwa. Xikongomelo xa kharikhulamu i ku tiyisisa leswaku vana va kuma no tirhisa vutivi na vuswikoti hi tindlela leti nga ta nkoka evuton'wini bya vona vini. Eka leswi, kharikhulamu yi kondletela mhaka ya vutivi byo simekiwa eka mbangu lowu vadyondzi va tshamaka eka wona yi ri karhi yi tekela enhlokweni swa nkoka leswi humeelaka emisaveni.
- (b) Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R - 12 xi tirha:
- ku fuwisa vadyondzi hi vutivi, vutshila na mikoka leyi nga ta endla leswaku va kota ku tienerisa, na ku va na xiave xa nkoka exikarhi ka vanhu tanihi vaakatiko va tiko leri tshunxekeke, handle ka ku langutisa vundzhaku bya vona mayelana na swa mahanyelo na ta ikhonomi, rixaka, rimbewu, vuswikoti bya swa le mirini na ta le byongweni;
 - ku endla leswaku va kota ku fikelela dyondzo ya le henhla;
 - ku olovisa ku hundzuka ka mudyondzi ku suka etindhawini to dyondzela eka tona ku ya endhawini ya ntirho; na
 - ku nyika vathori matimu yo enela ya vuswikoti bya mudyondzi.
- (c) Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R - 12 xi simekiwe eka misinya leyi landzelaka:
- Ku hundzuluxa mahanyelo ya vanhu: ku tiyisisa leswaku ku pfumaleka ka ndzingano ka minkarhi leyi hundzeke ka lulamisiwa, na leswaku swiyenge hinkwaswo swa vanhu va laha tikweni swi nyikiwa swivandla swo ringana swo dyondza.
 - Ku dyondza hi ku gingirika na vuxoperi: ku hlohletela maendlelo yo kombisa ku gingirika na vuxoperi eku dyondzeni, ku nga ri ku tirhisa maendlelo yo bela enhlokweni na ku dyondza munhu a nga endli vuxoperi bya ntiyiso lowu nyikiweke;
 - Vutivi bya le henhla na vuswikoti bya le henhla: mpimohansi wa vutivi na vuswikoti lebyi faneleke ku

fikeleriwa eka giredi yin'wana na yin'wana bya kombisiwa na ku endleriwa mipimo leyi fikelelekaka eka tidyondzo hinkwato;

- Ku yisa emahlweni: vundzeni (leswi dyondziwaka) na mbangu wa giredi yin'wana na yin'wana swi komba ku hundzuka ku suka eka timhaka to olova kuya eka to tika;
- Timfanelo ta vanhu, nkatsahinkwavo, vululami bya mbangu na ta mahanyelo ya vanhu: ku katsa misinya na milawa ya vululami bya mbangu na ta mahanyelo ya vanhu na ya timfanelo ta vanhu hilaha swi hlamuseriweke hakona eka Vumbiwa ra Riphabuliki ya Afrika-Dzonga. Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta 10 - 12 xi tekela enhlokweni timhaka ta vuhambani tanihi vusweti, ku nga ringani ka vanhu, rixaka, rimbewu, ririmi, malembe, vutsoniwa na swin'wana swivangelo;
- Ku vona nkoka wa vutivi bya swa ndhavuko: ku amukela leswaku matimu na ndzhaka leyo fuwa ya ya tiko swi na nkoka ngopfu eka ku hlayisa minkoka leyi nga endzeni ka Vumbiwa; na
- Ku khorwisa, nkoka na vuswikoti: ku nyika dyondzo leyi yelanaka na ya matiko man'wana hi nkoka, vuanami na vuenti.

(d) Xitatimende xa Kharikhulamu ya Rixaka xa Tigiredi ta R - 12 yi kongomisa eku humeleriseni ka vadyondzi lava nga ta kota:

- ku lemuka na ku ololoxa swiphiko va tlhela va teka na swiboho hi ku ehleketa na ku hi ndlela ya vuxoperi na vutumbuluxi;
- ku tirha hi mfanelo va ri voxe na loko va ri na van'wana tanihi swirho swa xipano;
- ku lulamisa na ku lawula vona vinyi xikan'we migingiriko ya vona hi vutihlamuleri na hi ndlela leyi vuyerisaka;
- ku hlengeleta, xopaxopa, lulamisa, na ku hlela mahungu hi vuxoperi;
- ku vulavurisana na van'wana hi ndlela leyi vuyerisaka hi ku tirhisa swilo leswi ngo voniwa kunene, swo fanisa na/ kumbe vutshila bya ririmi byo hambanahambana;
- ku tirhisa sayense na thekinoloji hi ndlela leyi vuyerisaka na hi vuxoperi a komba vutihlamuleri eka mbangu na rihanyu ra van'wana; na ku
- ku kombisa ku twisisa vuxaka bya swilo na timhaka ta laha misaveni hi ku lemuka leswaku mhaka yihi kumbe yihi loko yi ahluriwa a yi ahluriwi yi ri emoyeni.

(e) Nkatsahinkwavo wu fanele ku va mbilu ya malulamiselu, makunguhatelo na madyondziselu exikolweni xin'wana na xin'wana. Leswi swi nga humelela ntsena loko vadyondzisi va ri na ntwisiso wo twala eka ku lemuka na ku lulamisa swiphiko swa ku dyondza, na ku kunguhatela vanhu va tinxakaxaka.

Xilo xikulukumba eku lawuleni nkatsahinkwavo i ku vona leswaku swirhalanganyi swa paluxiwa na ku ololoxiwa hi swiyenge hinkwaswo leswi seketelaka xikolo, ku katsa vadyondzisi, mitlawa leyi seketelaka ya swifundza, mitlawa leyi nga eka tindhawu ta le henhla to dyondzela, vatswari na swikolo swa lava nga na swilaveko swo hlawuleka. Ku herisa swirhalanganyi etitlilasini, vadyondzisi va fanele va tirhisa tindlela to hambanahambana to letela vadyondzi tanihi leti nga eka swiletelo swa Ndzawulo ya Dyondzo ya Masungulo lexi vuriwaka *Guidelines for Inclusive Teaching and Learning(2010)*.

1.4 MAAVELO YA NKARHI

1.4.1. Xiyimo xa Masungulo

- (a) Nkarhi wo dyondzisa wa tidyondzo eka Xiyimo xa Masungulo wu tanihilaha swi kombisiweke eka tafula leri nga laha hansi:

| DYONDZO | GIREDI YA V (TIAWARA) | TIGIREDI TA 1-2 (TIAWARA) | GIREDI YA 3 (TIAWARA) |
|-------------------------------|--------------------------|------------------------------|--------------------------|
| Ririmi ra le Kaya | 10 | 7/8 | 7/8 |
| Ririmi ro Engetela ro Sungula | | 2/3 | 3/4 |
| Matematiki | 7 | 7 | 7 |
| Swikili swa ta Vutomi | 6 | 6 | 7 |
| • Vutivi bya Masungulo | (1) | (1) | (2) |
| • Vutshila byo Tumbuluxa | (2) | (2) | (2) |
| • Dyondzo ya swa Vutiolori | (2) | (2) | (2) |
| • Dyondzo ya swa Rihanyo | (1) | (1) | (1) |
| NTSENGO | 23 | 23 | 25 |

- (b) Nkarhi wo dyondzisa wa Tigiredi ta V, 1 na 2 i 23 wa tiawara kutani Giredi ya 3 yi averiwa 25 wa tiawara.
- (c) Tiawara ta khume ti averiwe tindzimi eka tigiredi ta V - 2 na tiawara ta 11 eka Giredi ya 3. Mpimohenhla wa tiawara ta 8 na mpimohansi wa tiawara ta 7 wu averiwe Ririmi ra le Kaya, na mpimohansi wa tiawara ti2 na mpimohenhla wa tiawara ti3 wu averiwa Ririmi ro Engetela eka tigiredi ta V-2. Eka Giredi ya 3 mpimohenhla wa tiawara ta 8 na mpimohansi wa tiawara ta 7 wu averiwe Ririmi ra le Kaya kutani mpimohansi wa tiawara ti3 na mpimohenhla tiawara ta 4 wu averiwa Ririmi ro Engetela ro Sungula.
- (d) Eka dyondzo ya Swikili swa ta Vutomi, Vutivi bya Masungulo byi averiwe awara yin'we eka Tigiredi ta V - 2, na tiawara ti2 tanihilaha swi kombisiweke hakona eka swiangi swa Giredi ya 3.

1.4.2 Xiyimo xa le Xikarhi

- (a) Tafula leri nga laha hansi ri komba tidyondzo na nkarhi wo dyondzisa eka Xiyimo xa le Xikarhi

| DYONDZO | TIAWARA |
|-------------------------------|-------------|
| Ririmi ra le Kaya | 6 |
| Ririmi ro Engetela ro Sungula | 5 |
| Matematiki | 6 |
| Sayense na Thekinoloji | 3,5 |
| Tisayense ta swa Vanhu | 3 |
| Swikili swa ta Vutomi | 4 |
| • Vutshila byo Tumbuluxa | (1,5) |
| • Dyondzo ya swa Vutiolori | (1) |
| • Dyondzo ya swa Rihanyo | (1,5) |
| NTSENGO | 27,5 |

1.4.3 Xiyimo xa le Henhla

(a) Nkarhi wo dyondzisa eka Xiyimo xa le Henhla wu yime hi ndlela leyi:

| DYONDZO | TIAWARA |
|------------------------------------------|-------------|
| Ririmi ra le Kaya | 5 |
| Ririmi ro Engetela ro Sungula | 4 |
| Matematiki | 4,5 |
| Tisayense ta swa Ntumbuluko | 3 |
| Tisayense ta swa Vanhu | 3 |
| Thekinoloji | 2 |
| Tisayense ta mafambiselo ya swa ikhonomi | 2 |
| Ndzhendzheleko wa swa Vutomi | 2 |
| Vutshila na Ndhavuko | 2 |
| NTSENGO | 27,5 |

1.4.4 Tigiredi ta 10-12

(a) Ndzetelo wa nkarhi wo dyondza eka Tigiredi ta 10 - 12 wu yime hi ndlela leyi:

| DYONDZO | NKARHI LOWU VEKIWEKE HI VHIKI (TIAWARA) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| I. Ririmi ra le kaya | 4.5 |
| II. Ririmi ro Engetela ro Sungula | 4.5 |
| III. Matematiki | 4.5 |
| IV. Ndzhendzheleko wa swa Vutomi | 2 |
| V. Mpimohansi wa tidyondzo tin'wana na tin'wana tinharhu leti hlawuriweke eka Ntlawa wa B eka <u>Xitandzhaku xa B, Matafula ya B1-B8</u> ya le ka Xitsariwa xa pholisi xa, <i>National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12, hi ku ya hi swiringanyeto leswi pimanyisiweke eka ndzimana ya 28 ya xitsariwa xa pholisi lexi boxiweke.</i> | 12 (3x4h) |
| NTSENGO | 27.5 |

Nkarhi lowu pimiweke hi vhiki wu nga tirhisiwa ntsena eka mpimohansi lowu lavekaka wa tidyondzo ta *Xitatimende xa Kharikhulamu ya Rixaka Tigiredi ta R - 12 (XKR)* tanihilaha swi kombisiweke hakona laha henhla, naswona wu nga ka wu nga tirhisiwi eka tidyondzo tin'wana to engetela., Loko mudyondzi a navela ku dyondza tidyondzo to engetela, ku fanele ku engeteriwa nkarhi wo ti dyondza.

XIYENGE XA 2: NHLAMUSELO, SWIKONGOMELO, VUSWIKOTI NA VUNDZENI

2.1 MANGHENELO

Eka Xiyenge xa 2, Kharikhulamu ya Matematiki ya Xiyimo xa Masungulo na Xitatimende xa Pholisi ya Kharikhulamu na Makambebelelo (XIPHOKHAMA) swi pfuna vadyondzisi hi nhlamuselo ya Matematiki, swikongomelo-thwi, vuswikoti byo kongoma, nkongomo eka vundzeni, ntikelo wa vundzeni, switrhisiwa leswi bumabumeriweke swa tidyondzontsongo ta Matematiki eka Xiyimo xa Masungulo, swiletelo leswi ringanyetiweke swo seketela vadyondzi lava tikeriwaka hi ku dyondza Matematiki, menthele, na ku tiyisisa ku dyondzisa vuswikoti bya masungulo ya nyumeresi eka Giredi ya V.

2.2 XANA MATEMATIKI I YINI?

Matematiki i ririmi leri tirhisaka mimfungo na nxaxameto wa tinomboro ku hlamusela tinomboro, jometiri na vuxaka bya tigrifu. I nghingiriko wa vanhu lowu katsaka ku xiyaxiya, ku kombisa na ku lavisisa tipatironi na vuxaka bya ntiyiso eka swilo ta leswi khomekaka na swa mahanyelo ya vanhu, na le xikarhi ka minchumu ya Matematiki hi yoxe. Swi pfuna ku hluvukisa matwisiselo lawa ya ndlandlamuxaka maehleketelo ya vuxoperi, vukheta na ku ololoxa swiphigo leswi nga ta pfuneta eku tekeni ka swiboho.

2.3 SWIKONGOMELO-THWI

Ku dyondzisa na ku dyondza Matematiki swi kongomisiwa eka ku ndlandlamuxa leswi landzelaka eka mudyondzi:

- ku lemuka hi ndlela ya vuxoperi hilaha vuxaka bya Matematiki byi tirhisiwaka hakona eka swa vuxaka bya vanhu, mbangu, ndhavuko na ikhonomi;
- Vutitshembi na vuswikoti byo tirha na xiyimo xin'wana na xin'wana xa Matematiki, ku nga ri na ku siveriwa hi nchavo wo dyondza Matematiki;
- Ku navela ku tiva na rirhandzu ra Matematiki;
- Ku tlangela vuxongi na ntikelo wa Matematiki,
- ku lemuka leswaku Matematiki i xiphemu xa vutumbuluxi bya migingiriko ya vanhu;
- matwisiselo yo enta ya minongoti ku endlela ku twisisa Matematiki na;
- ku kuma vutivi byo kongoma na vuswikoti lebyi faneleke ku:
 - tirhisa Matematiki eka leswi swi khomekaka, mahanyelo ya vanhu, na swiphigo swa Matematiki
 - ku dyondza tidyondzo to yelana (xik. tidyondzo tin'wana); na
 - ku yisa emahlweni tidyondzo ta Matematiki

2.4 VUSWIKOTI BYO KONGOMA

Ku ndlandlamuxa vuswikoti bya tinhlayo lebyi faneleke, mudyondzi u fanele ku:

- ndlandlamuxa matirhiselo lamanene ya ririmi ra Matematiki;
- ndlandlamuxa ntivo wa nomboro, nongoti wa nomboro na makhakhuletelo na vuswikoti byo tirhisa;
- dyondza ku yingisela, ku vulavula, ku ehleketa, ku ehleketa hi vuxoperi na ku tirhisa vutivi lebyi kumiweke bya Matematiki;
- dyondza ku lavisisa, xopaxopa, veketela na ku hlamusela mahungu;
- dyondza ku vutisa na ku ololoxa swiphigo swa tinhlayo; na
- aka ndzemuko wa nkoka lowu Matematiki wu engetelaka wona eka swiyimo swa ntiyiso swa vutomi, ku katsa na ndlandlamuko wa mudyondzi.

2.5 NKONGOMO EKA SWIYENGE SWA VUNDZENI

Matematiki eka Xiyimo xa Masungulo wu angarhela swiyenge swa ntlhanu swa vundzeni. Xiyenge xin'wana na xin'wana xi engetela eka ku fikelela vuswikoti byo karhi. Tafula leri nga laha hansi ri komba nkongomo wo angarhela wa swiyenge swa vundzeni ku katsa na nkongomo eka swiyenge swa vundzeni swa Xiyimo xa Masungulo.

Tafula 2.1 Nkongomo wa vundzeni eka Matematiki wa Xiyimo xa Masungulo

| VUTIVI BYA VUNDZENI BYA MATEMATIKI | | |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Xiyenge xa Vundzeni | Nkongomo eka Vundzeni hi ku Angarhela | Nkongomo wa vundzeni eka Xiyimo xa Masungulo |
| Tinomboro, Tioparexini na Vuxaka | <p>Ndlandlamuko wa ntwisiso wa tinomboro lowu katsaka:</p> <ul style="list-style-type: none"> • Nhlamuselo ya tinxaka to hambana ta tinomboro, • Vuxaka exikarhi ka tinxaka to hambana ta tinomboro, • Vuxaka bya sayizi ya tinomboro to hambana. • Vuveketeri bya tinomboro hi tindlela to hambanahambana, na • Ku pfuna ka ku tirha hi tinomboro. | <p>Vunavi bya tinomboro lebyi ndlandlamuxiweke eku heleni ka Giredi ya 3 byi katsa tinomboronkulu ku fika laha ku nga riki hansi ka 1 000 na tifurakixini. Eka xiyenge lexi, nongoti wa nomboro eka vadyondzi wa ndlandlamuxiwa hi ku tirha na minchumu leyi khomekaka ku hlayela minhlengelo ya minchumu, ku ava na ku hlanganisa mintsengo, ku hlaya hi ku tlulatlula hi tindlela to hambanahambana, ku ololoxa swiphigo swa tinhlayo ta marito, ku aka na ku hangalasa tinomboro.</p> <ul style="list-style-type: none"> • Ku hlayela swi pfuna vadyondzi ku hluvukisa nongoti wa vutivi bya tinomboro, menthele, mpimanyeto, vuswikoti byo khakhuleta na ku lemuka tipatironi. • Ndlandlamuxo wa vutivi bya nongoti wa tinomboro wu pfuna vadyondzi ku dyondza hi swihlawulekisi swa tinomboro na ku ndlandlamuxa maqhinga lawa ya nga ta endla leswaku mikhakhuleto yi olova. • Ku ololoxa swiphigo swa tinhlayo swi pfuna vadyondzi ku humesela miehleketo ya vona vini hi ku vulavula na hi ku tsala hi ku tirhisa swidirowiwa na mimfungho. • Vadyondzi va aka ntwisiso wa tioparexini ta ku hlanganisa, ku susa, ku andzisa na ku ava. • Vadyondzi va tumbuluxa vutivi bya nongoti wa tifurakixini hi ku ololoxa swiphigo swa tinhlayo leswi khumbaka ku aviwa ka ntsengo wa swilo swo khomeka na hi ku tirhisa swidirowiwa. Swiphigo swa tinhlayo swi fanele swi katsa tinhlamulo leti hi nyikaka leswi salaka eka tinomboroxiheri kumbe tifurakixini. Ku ava a swi fanelanga ku katsa ntsena ku kuma swiphemu swa swiheri, kambe na ku kuma swiphemu swa minhlengelo ya minchumu. Eka xiyenge lexi, vadyondzi a va languteriwanga ku hlaya kumbe ku tsala mimfungho ya tifurakixini. |

| VUTIVI BYA VUNDZENI BYA MATEMATIKI | | |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Xiyenge xa Vundzeni | Nkongomo eka Vundzeni hi ku Angarhela | Nkongomo wa vundzeni eka Xiyimo xa Masungulo |
| <p>Tipatironi, Tifankixini na Alijebura</p> | <p>Alijebura i ririmi ra ndzavisiso na ku vulavula swo tala swa Matematiki naswona ri nga engeteleriwa ku ya eka ku dyondza tifurakixini na vuxaka byin'wana exikarhi ka leswi cincacincaka. Swa nkoka eka xiyenge lexi xa vundzeni i ku va mudyondzi a fikelela vuswikoti byo ringanela byo tirhisa Alijebura. Swi tlhela swi kongomisa eka:</p> <ul style="list-style-type: none"> • Ku hlamusela tipatironi na vuxaka hi ku tirhisa mimfungo, tigrifu na matafula, na • Ku kombisa na ku hlahlwa leswi nga ntolovelo na ku cinca eka tipatironi na vuxaka lebyi kotisaka vadyondzi ku vhumba na ku ololoxa swiphigo swa tinhlayo. | <p>Eka xiyenge lexi, vadyondzi va tirha na swona hi swimbirhi.</p> <ul style="list-style-type: none"> • Tipatironi ta tinomboro (xik.ku hlayela hi ku tlulatlula); na • Tipatironi ta jometiri (xik. swifaniso). <p>Vadyondzi va fanele ku tirhisa minchumu yo khomeka, swidirowiwa na mimfungo ku kopa, engetela, hlamusela na ku tumbuluxa tipatironi.</p> <p>Ku kopa patironi swi pfuna vadyondzi ku vona ndzandzelelano wa leswi patironi yi nga endlisiwa swona.</p> <p>Ku ndlandlamuxa patironi swi pfuna vadyondzi ku kambisisa loko va twisisile kahle ndzandzelelano wa patironi.</p> <p>Ku hlamusela patironi swi pfuna vadyondzi ku hlulukisa vuswikoti bya ririmi.</p> <p>Nkongomo eka ndzandzelelano wa tipatironi swi endla masungulo yo ndlandlamuxa vuswikoti bya maehleketelelo ya xiAlijebura.</p> <p>Tipatironi ta nomboro ti seketela nhlulukiso wa vutivi bya nongoti wa tinomboro na ntwisiso wa matirhelo lowu akiweke eka Tinomboro, Tioparexini na Vuxaka.</p> <p>Tipatironi ta xijometiri ti katsa ndzandzelelano wa mintila, swivumbeko na minchumu ku katsa na tipatironi leti nga kona emisaveni. Eka tipatironi ta xijometiri vadyondzi va tirhisa vutivi bya vona bya ndhawu na xivumbeko.</p> |
| <p>Ndhawu na Xivumbeko (Jometiri)</p> | <p>Ku dyondza Ndhawu na Xivumbeko swi tlakusa ku twisisa na ku tsakela patironi, nkhaqato, ku fikelela na ku saseka eka tindlela ta ntumbuluko na ndhavuko. Swi na nkongomo eka</p> <ul style="list-style-type: none"> • Swihlawulekisi, vuxaka; • Ndzetelo, swiyimo; na • ku cinca ka swivumbeko swa matlhelo mambirhi na minchumu ya swivumbeko swa matlhelo manharhu. | <p>Eka Xiyimo lexi vadyondzi va va va kongome eka minchumu ya matlhelo ma3, na swivumbeko swa matlhelo ma2, xiyimo na matlhelo.</p> <ul style="list-style-type: none"> • Vadyondzi va kambisisa swihlawulekisi swa minchumu ya matlhelo ma3 na swivumbeko swa matlhelo ma2 hi ku ava ku ya hi swihlawulekisi, ntlawahata, hlamusela na ku swi vula. • Vadyondzi va dirowa swivumbeko na ku aka hi minchumu. • Vadyondzi va lemuka na ku hlamusela swivumbeko na minchumu eka mbangu wa vona leswi fanaka na minchumu na swivumbeko swa Matematiki. • Vadyondzi va hlamusela xiyimo xa minchumu, vona vini na van'wana hi ku tirhisa ririmi leri faneleke. • Vadyondzi va landzelela na ku nyika matlhelo. |
| <p>Mpimo</p> | <p>Mpimo wu na nkongomo eka nhlawulo na ku tirhisa tiyuniti leti faneleke, switirhisiwa, na tifomula ku pima ntsengo wa swihlawulekisi swa swiendleko, swivumbeko, na mbangu. Swi na vuxaka hi ku kongoma eka swa sayense, thekinoloji na swa ikhonomi, ku kotisa mudyondzi ku:</p> <ul style="list-style-type: none"> • Ku endla mpimanyeto lowu twisisekaka, na • Ku tekela enhlokweni ku amukeleka ka mimpimo na mimbuyelo. | <ul style="list-style-type: none"> • Eka Xiyimo lexi minongoti ya vadyondzi ya mpimo ya ndlandlamuxiwa hi ku tirha hi minchumu na swivumbeko swo hambana swo khomeka, va dyondza swihlawulekisi swa vulehi, vundzeni, ntiko, ndhawu na nkarhi. • Vadyondzi va pima swihlawulekisi swa swivumbeko na minchumu hi ku tirhisa tiyuniti ta nka mafundza laha swi faneleke, ku fana na swandla, magoza na swikhomelo, sw.na.sw. • Vadyondzi va pimanisa nhlayo yo hambana hi ku tirhisa marito yo pimanisa yo fana na lehanyana/komanyana, tikanyana/vevukanyana sw.na.sw. • Vadyondzi va dyondzisiwa ro sungula tiyuniti ta ndzinganiso to fana na tigramu, tikilogiramu, timililitara, tilitara, tisentimitara na timitara. <p>Migingiriko leyi fambelanaka na nkarhi yi fanele yi lulamisiwa hi ku tekela enhlokweni leswaku ku twisisa ka vadyondzi hi ku hundza ka nkarhi ku fanele ku ndlandlamuxiwa va nga si hlaya hi nkarhi.</p> |

| VUTIVI BYA VUNDZENI BYA MATEMATIKI | | |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Xiyenge xa Vundzeni | Nkongomo eka Vundzeni hi ku Angarhela | Nkongomo wa vundzeni eka Xiyimo xa Masungulo |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | <p>Hi ku dyondza hi Matirhiselo ya Vuxokoxoko bya Tinhlayo, mudyondzi u ndlandlamuxa vuswikoti byo:</p> <ul style="list-style-type: none"> • Hlengeleta; • lulamisa; • andlala ; na • ku xopaxopa na ku hlamusela vuxokoxoko bya mahungu lebyi nyikiweke. | <p>Nkongomo eka ku dyondzisa na ku dyondza hi Matirhiselo ya Vuxokoxoko bya Tinhlayo eka Xiyimo xo Sungula wu le ka ku ava minchumu na vuxokoxoko bya tinomboro hi tindlela to hambana, hi ku ya hi swihlawulekisi swo hambanahambana swa minchumu kumbe vuxokoxoko bya tinomboro.</p> <ul style="list-style-type: none"> • Vadyondzi va languteriwa ku hlamusela na ku aka tigirafu ta swifaniso na tigirafu ta bara hi nchumu lowu yimelaka nomboro hi vuxokoxoko bya tinomboro lebyi nyikiweke. |

2.6 NTIKELO WA SWIYENGE SWA VUNDZENI

Ntikelo wa swiyenge swa vundzeni eka Matematika wu pfuna swikongomelo swimbirhi: xosungula ntikelo wu nyika swiletelo eka mpimo wa nkarhi lowu lavekaka ku dyondzisa vundzeni eka xiyenge xin'wana na xin'wana hi ndlela leyi enerisaka, xavumbirhi ntikelo wu nyika swiletelo swo hangalasa vundzeni eka makambeleo. Ntikelo wa swiyenge swa vundzeni wa hambana ku ya hi giredi yin'wana na yin'wana eka Xiyimo xa Masungulo

Tafula ra 2.2 Ntikelo wa swiyenge swa vundzeni eka Xiyimo xa Masungulo

| NTIKELO WA VUNDZENI | | | |
|----------------------------------------|-------------|-------------|-------------|
| Vundzeni | Giredi ya 1 | Giredi ya 2 | Giredi ya 3 |
| Tinomboro, Tioparexini na Vuxaka* | 65% | 60% | 58% |
| Tipatironi, Tifankixini na Alijebura | 10% | 10% | 10% |
| Ndhawu na Xivumbeko (Jometiri) | 11% | 13% | 13% |
| Mpimo | 9% | 12% | 14% |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | 5% | 5% | 5% |
| | 100% | 100% | 100% |

*Eka Giredi ya V – 3, swi na nkoka leswaku ndhawu ya Tinomboro, Tioparexini na Vuxaka yi va nkongomonkulu eka Matematika. Vadyondzi va fanela va huma eka Xiyimo xa Masungulo va ri karhi va tiva tinomboro na matirhiselo ya tona hi nkholuko. Xikongomelo i ku endlela leswaku vadyondzi va va na vuswikoti na vutitshemi eka tinomboro na mikhakhuleto. Hikwalaho ka xivangelo lexi nkarhi lowu nyikiweke Tinomboro Tioparexini na Vuxaka wu engeteriwile. Ntirho wo tala wa tipatironi wu fanele wu va na nkongomo eka tipatironi ta tinomboro ku katsakanya vuswikoti bya vadyondzi bya tinomboro ku ya mahlweni.

2.7 MATEMATIKI EKA XIYIMO XA MASUNGULO

Matematiki wa Xiyimo xa Masungulo wu tshikelela ku hlangana exikarhi ka vutomi bya n'wana loyi a nga si yaka exikolweni na vutomi ehandle ka xikolo hi tlhelo rin'wana, na Matematika yo tika ya tigiredi leti landzelaka hi tlhelo rin'wana. Eka tigiredi ta le ku sunguleni vadyondzi va fanele va kombisiwa mintolovelo ya Matematika leyi va nyikaka tindlela to tala "to endla, vulavula, na ku rhekhoda" maehleketelo ya xiMatematiki.

Nkarhi lowu tirhisiweke eka Matematika wu na matimba eka nhluvukiso wa vutivi bya minongoti na vuswikoti bya vadyondzi eka Matematika. Migingiriko leyi vadyondzi va yi endlaka yi fanele, yi nga vi "leyo hungasa", kambe yi fanele yi va na nkongomo eka Matematika ku ya hi laha yi boxiweke ha kona eka kharikhulamu.

2.7.1 Swiletelo leswi ringanyetiweke swa malawulelo ya tlilasi

Nkarhi hinkwawo lowu averiweke Matematiki hi siku rin'we wu fanele wu tekiwa wu ri pheriyodi yin'we. Hi pheriyodi ya Matematiki, leswi landzelaka swi fanele ku tala ku humelela:

- **Nghingiriko wa tlilasi hinkwayo**
 - Menthele
 - Ku katsakanya minongoti
 - Malawulelo ya tlilasi (ku nyika migingiriko yo tirha va ri voxo, na sw. na sw.)
- **Madyondziselo ya ntlawa lowuntsongo**
 - Ku hlayela
 - Nhluvukiso wa vutivi bya nongoti wa tinomboro (migingiriko ya swanomo / orali na yo endla)
 - Ku ololoxa swiphiko (migingiriko ya swanomo / orali na yo endla)
 - Ku rhekhoda hi ku tsala.
 - Ku tumbuluxa maqhinga yo khakhuleta. (migingiriko ya swanomo / orali na yo endla)
 - Tipatironi
 - Ndhawu na Xivumbeko
 - Mpimo
 - Matirhiselo ya Vuxokoxoko bya Tinhlayo
- **Ku tirha va ri voxo**

Vadyondzi va titoloveta na ku katsakanya minongoti leyi tumbuluxiweke hi nkarhi wo dyondzisa tlilasi hinkwayo na ntlawa lowuntsongo

Nghingiriko wa tlilasi hinkwayo: laha nkongomo wu nga ta va eka menthele, ku katsakanya minongoti na ku vekela migingiriko yo tirha va ri voxo ku ringana timinete ta 20 hi siku eku sunguleni ka dyondzontsongo ya Matematiki. Hi nkarhi lowu mudyondzisi u ta tlhela a tirha na tlilasi hinkwayo ku vona na ku rhekhoda (laha swi faneleke) vito ra siku, siku, nhlayo ya vadyondzi lava nga kona na lava xweke, na muxaka wa maxelo. Menthele wu ta katsa masungulo lamo olova yo fana na “nomboro leyi taka emahlweni / endzhaku ka 8 i; 4+2; 5+2; 6+2;” sw. na sw. Hi nkarhi lowu mudyondzisi a nga tlhela a katsakanya minongoti leyi tikakanyana. Swin'wana swa nkoka hileswaku mudyondzisi u fanele ku nyika tlilasi nghingiriko wa tlilasi hinkwayo ku katsa na migingiriko yo tirha va ri voxo leyi va tiendlelaka yona hi voxo loko mudyondzisi a ya emahlweni na ku tirha na ntlawa lowuntsongo lowu kongomiweke.

Tidyondzontsongo leti kongomeke eka ntlawa lowuntsongo: ti twisiseka ngopfu loko mudyondzisi a teka ntlawa lowuntsongo wa vadyondzi (8 ku fika 12) lava nga na vuswikoti byo fana na bya yena a tshama na vona ehansi kumbe a ya ematafuleni ya vona, loko lavan'wana hinkwawo va ri karhi va tirha va ri voxo. Mudyondzisi u tirha hi **ku vulavula na hi ku endla** na vadyondzi, va ri karhi va endla migingiriko yo fana na ku hlayela, pimanyeto, nhluvukiso wa vutivi bya nongoti wa tinomboro na migingiriko yo ololoxa swiphiko swa tinhlayo, ku katsa na migingiriko yo fambelana na patironi, ndhawu na xivumbeko, mpimo na Matirhiselo ya Vuxokoxoko bya Tinhlayo leswi faneleke ku kunguhatiwa hi vukheta.

Ku endlela ku tiyisisa ku dyondza, ntirho lowu tsariweke (buku yo tirhela, swikombiso swa maphepha yo tirhela, makhadi yo tirhela sw. na sw.) wu fanele wu vumba xiphemu eka nkarhi wa ntlawa loko swi endleka. Vadyondzi va fanele va ri na swo tsalela ka swona (tibuku ta switoloveto sw. na sw.) leswaku va ta swi tirhisa eka migingiriko yo ololoxa swiphiko swa tinhlayo. Nkarhi wa ku tirha hi mintlawu wu fanele ku pfuna vadyondzi ku teka xiave na ku va khutaza ku **“endla, vulavula, kombisa na ku rhekhoda”** maehleketelo ya vona ya xiMatematiki.

Vadyondzisi va fanele va vona leswaku va nga tekeli ehansi mhaka ya vadyondzi lava dyondzaka hi ku nonoka; va fanele va fikeleriwa. Swa olova ku pananisa ku tika ka ntirho na vadyondzi loko ntlawa lowu mudyondzisi a tirhaka na wona wu ri na vuswikoti lebyi ringanaka. Hambiswiritano, mintlawa leyi nga na vuswikoti byo hambana yi nga tirha kahle eka swo aka, mpimo na matirhiselo ya tipatironi kumbe migingiriko yo ava kumbe eka swa mintlangu.

Migingiriko yo tirha va ri voxo: loko mudyondzisi a ri karhi a dyondzisa ntlawa lowu kongomiweke lowuntsongo, tllasi hinkwayo yi fanele ku endla migingiriko yo hambana ya Matematiki leyi nga na nkongomo eka ku tiyisisa na ku katsakanya minongoti na vuswikoti leswi dyondzisiweke hi nkarhi wa tidyondzo leti nga na nkongomo eka ntlawa lowuntsongo. Migingiriko leyi yo tirha va ri voxo yi fanele ku hambanisiwa ku fikelela tilevhele to hambana ta vuswikoti. Migingiriko leyi yo tiendlela yi fanele yi ku hambanisiwa yi ta angarhela na tilevhele to hambana ta vuswikoti. Migingiriko yo tirha va ri voxo yi nga katsa:

- Migingiriko ya buku yo tirhela eka yona;
- maphepha yo tirhela eka wona lawa ya siyanisiweke hi ntikelo / makhadi yo tirhela yo hlayela hi wona, ku tlanga hi tinomboro, swiphigo swo olova eka vundzeni (swiphigo swa tinhlayo ta marito) sw. na sw.
- mintlangu ya Matematiki yo fana na Ludo, Dominosi, swiphazamiso swo vumba minchumu kumbe swivumbeko.
- mintirho leyi katsaka ku aka, ku paka ku ya hi swihlawulekisi, matirhiselo ya tipatironi kumbe mpimo.

Pheriyodi ya Matematiki yi fanele yi nyika nseketelo eka vadyondzi lava tikeriwaka ku dyondza, migingiriko leyi enerisaka eka lava hatlaka ku twisisa, migingiriko ya makambebele sw. na. sw.

Migingiriko yo tirha va ri voxo na migingiriko ya dyondzontsongo eka ntlawa lowuntsongo lowu kongomisiweke, swi fanele ku xiyiwa (swo endliwa, swo vulavula), funghiwa no voniwa (rhekhodo leyi tsariweke) hi mudyondzisi tani hi xiphemu xa migingiriko ya makambebele ya nka mafundza na ya mafundza

Ku landzelerisa swinene leswi vadyondzi va swi hlamulaka (swo vulavula, Swanomo, swo endla, rhekhodo yo tsariwa) hi nkarhi wo dyondza na ku dyondzisisa, swi pfuna mudyondzisi ku endla makambebele ya nkarhi na nkarhi, ku xiya ku yisa mahlweni matirhelo ya vadyondzi na ku kunguhata nseketelo lowu faneleke wa vadyondzi lava tikeriwaka eku dyondzeni.

2.7.2 Vadyondzi lava nga swiphigo eka ku dyondza Matematiki

Swi na nkoka leswaku vadyondzi lava tikeriwaka eka ku dyondza Matematiki va dyondzisiwa hi madyondzelo yo simekiwa eka nghingiriko. Swikombiso swo endliwa hi ku tirhisa minchumu yo khomeka xikan'we na migingiriko yo endliwa, swi fanele swi tirhisiwa nkarhi wo leha na vona ku tlula na vadyondzi van'wana, tani hiloko ku ya eka ntirho wo tika hi ku hatlisa swi nga endla leswaku vadyondzi va tsandzeka ku twisisa na ku tlhelela endzhaku. Vadyondzi lava va nga lava naswona va fanele va nyikiwa nkarhi wo tala wo:

- hetisa migingiriko ya makambebele na mintirho;
- ku kuma vuswikoti byo ehleketa (maqhingana ya vona vini)

Nhlayo ya migingiriko leyi faneleke ku hetisiwa yi fanele ku ringanisiwa na vutivi bya mudyondzi handle ko hunguta nkoka wa minongoti na vuswikoti lebyi faneleke ku fikeleriwa.

2.7.3 Menthele

Menthele i wa nkoka eka kharikhulamamu. Tibondo ta nomboro na tafula ro kombisa andziso lowu vadyondzi va faneleke ku wu tiva kumbe ku wu tsundzuka hi ku hatlisa swi longoloxiwile eka giredi yin'wana na yin'wana. Tlhandlakambirhi, menthele wu tirhisiwa hi vundzeni swinene ku fikelela vuandlalo bya tinomboro ta le henhla hi ku hlayela hi ku tlulatlula na hi ku endla migingiriko ya fana na "henhla na le hansi ka xitepisi xa tinomboro" xik, mudyondzisi wa Giredi ya 3 a nga vutisa swivutiso 'swo khomomana' leswi landzelaka." Sungula hi 796. Engetela hi 7. Ina, swi endla 803.

Yi endle yi va hansi hi 5. Ina, yi va 798. Yi engetele hi 10...nakambe hi 2...nakambe hi 90...hunguta hi 5” sw. na sw. Migingiriko leyi yi pfuneta vadyondzi ku vumba ndzhati wa mintsengo emiehleketweni.

Hikwalaho ka sweswo Menthele wu tirhisiwa ngopfu eka ku hlayela na le ka swiyenge swa nhluvukiso wa vutivi bya nongoti wa tinomboro leswi fambelanaka na tinhlokomhaka ta Tinomboro na Tipatironi, swi nga tlhela swi humelela loko ku endliwa migingiriko ya Mpimo na matirhiselo ya voxokoxoko bya tinhlayo. Loko ku endliwa menthele, mudyondzisi a nga fanelangi ku sindzisa vadyondzi ku endla mikhakhuleto ya menthele leyi va nga ta tsandzeka ku yi twisisa – switirhisiwa swo tsalela na / kumbe swo hlayela hi swona swi fanele ku tshama swi ri kona leswaku swi ta tirhisiwa hi vadyondzi lava nga swi tsakelaka.

2.8 GIREDI YA V

Maendlelo eka ku dyondza Matematiki ya fanele ku kongomisiwa eka milawu ya mpfanganiso na madyondzelo lama simiweke eka ntlangu. Mudyondzisi u fanele ku ehleketelela emahlweni, a va muhlanganisi ku nga ri mukondletereri. Muhlanganisi u endla minkarhi yo tala yo dyondza leyi humelelaka loko ku endliwa migingiriko yo tala leyi kongomisiweke eka vadyondzi, yo fana na ku tlanga va ri voxo eka khona yo ehleketa eka yona, kumbe ndhawu leyi ku akiwaka buloko, migingiriko ya sava na yo tlanga hi mati, ku katsa na migingiriko leyi leteriwaka hi mudyondzisi leyi nga na nkongomo eka minongoti ya Matematiki yo fana na ku hlayela, nhluvukiso wa vutivi bya nongoti wa tinomboro, ndhawu na xivumbeko, tipatironi, nkarhi na migingiriko yin’wana ya Matematiki wa masungulo. Muhlovo hi woxe a hi nongoti wa Matematiki, kambe wu nga tirhisiwa ku pfuneta ku twisisa minongoti ya Matematiki eka migingiriko yo fana na ku ava ku ya hi swihlawulekisi, ku ntlawahata na ku ava ku ya hi swihlawulekisi.

Swiphemu hinkwaswo swa Giredi ya V (Vuamukelo) ku katsa na leswi humelelaka etlilasini na ntlovelo wo dyondzisa na ku dyondza, swi fanele ku tlakusa nhluvukiso wa n’wana hi ku hetiseka. Nhluvukiso lowu nga na xiave eka madyondzelo lama ha sungulaka ya tinhlayo wu katsa miehleketo leyi kulaka (yo ololoxa swiphiqu swa tinhlayo, miehleketo leyi nga na ndzandzelelano na vuxopaxopi), ku ndlandlamuka ka ririmi (ririmi ra Matematiki) na ku tirhisa swirho u ri karhi u vona, ku katsa na matitwelo na ku kula hi tlhelo ro hanyisana na vanhu. Hinkwaswo swiphemu leswi swi nga hluvukisiwa hi switori, tinsimu, rhayimi, mintlangu ya tintiho kumbe mintlangu ya le matini, switlangiso swa dyondzo leswi katsaka mintlangu ya tibodo, swa aka hi swona na migingiriko yo valanga vutivi (ntiko, nkarhi, vundzeni, mpimo sw.na sw.) ntlangu wo anakanyiwa, ntlangu wa le handle na “mintlangu ya le rivaleni ro tlangela eka rona”. Mintlangu yo tala ya tinxaka na ku tlanga hi koxe swi nga katsa swiyenge swa tinhlayo, xikombiso ku pima loko u sweka kumbe ku hlayela loko u ri ku xaveni.

Hi marito man’wana, ku twisisa masungulo ya Matematiki na minongoti yo yelana na Matematiki, swi fanele tani hi ku dyondzisa hinkwako, swi landzelela milawu leyi landzelaka ya madyondziselo ku fana na madyondziselo hinkwawo lamanene: laha vadyondzi va fambaka hi magoza manharhu yo dyondza, ku nga:

- Xiyimo xa ku dyondza hi ku tirhisa swirho (minongoti leyi tokotiweke hi mirhi na switwi);
- Xiyimo xo tirha hi swilo swo khomeka (minchumu ya matlhelo ma3, hi ku tirhisa minchumu yo hambanahambana yo fana na tibuloko, swipfalo swa mabodlhlele, swimhandzana na minchumu yin’wana eka mbangu); na
- Ku tirhisa phepha na penisele (ku tirha na swilo swo khomekanyana swo fana na swo dirowiwa, ku pananisa makhadi sw.na sw.)

Eka Giredi ya V (vuamukelo), nongonoko wa nkarhi wu vitaniwa **Nongonoko wa Siku** (vona Xifaniso xa 1) naswona wu vumbiwa hi swiyenge swinharhu leswi landzelaka:

- migingiriko leyi leteriwaka hi mudyondzisi;
- migingiriko ya siku na siku;
- Migingiriko leyi hlawuriweke hi vadyondzi kumbe ku tlanga va tshunxekile

Xifaniso xa 1: Nongonoko wa siku na siku wa Giredi ya V

(Ku suka ± 7:30 – 13:00)

KU FIKA NA KU TLANGA VA TSHUNXEKILE

| | |
|-----------------------|--------------------------------------------------------------------------------------|
| 36 wa timinete | Ku xeweta Mahungu Rhejsitara Masiku yo velekiwa Chati ya maxelo |
| | NGHINGIRIKO WO LETERIWA HI MUDYONDZISI Ririmi, Matematiki, Swikili swa ta Vutomi, |

Matematiki, Tindzimi, Swikili swa ta Vutomi

50 wa timinete

- NGHINGIRIKO WA VUTSHILA (masiku hinkwawo: 1 LOWUKULU+ 2/3 wa migingiriko yo seketela
- KU TLANGA VA TSHUNXEKILE VA RI ENDZENI
- KU BASISA ENDZENI

- Ntlangu wa miorho
- Ku encenyeta
- Ntlangu wo aka
- Tibuloko
- Swo tlangisa swo dyondzisa
- Mintlangu yo voniwa
- Swiphazamiso
- Khona ya tibuku
- Nkarhi wo miyela
- Ndhawu yo miyela

| | |
|-----------------------|-------------------------------------------------------------------------------------|
| 30 wa timinete | NGHINGIRIKO WO LETERIWA HI MUDYONDZISI Ririmi, Matematiki, Swikili swa ta Vutomi |
|-----------------------|-------------------------------------------------------------------------------------|

| | |
|-----------------------|----------------------------------------------------------------------------------|
| 10 wa timinete | KU YA EXIHAMBUKELWENI SIKU NA SIKU Ririmi, Matematiki, Swikili swa ta Vutomi, |
|-----------------------|----------------------------------------------------------------------------------|

| | |
|-----------------------|--------------------------------------------------------|
| 20 wa timinete | SWAKUDYA: Ririmi, Matematiki, Swikili swa ta Vutomi |
|-----------------------|--------------------------------------------------------|

60 wa timinete

Ku tlanga va tshunxekile ehandle
Na
Ku basisa

- Ntlangu wa mati
- Ntlangu wa sandi
- Ku encenyeta
- Tibolo
- Mijombhe
- Swo tlangisa swa mavhilwa
- Swo tlangisa swo dyondzisa
- Mujombhe wa le nhoveni
- Mathayere
- Dyondzo ya Vutiolori
- Mintlangu

| | |
|-----------------------|---------------------------------------------------------------------------------|
| 10 wa timinete | KU YA EXIHAMBUKELWENI SIKU NA SIKU Ririmi, Matematiki, Swikili swa ta Vutomi |
|-----------------------|---------------------------------------------------------------------------------|

| | |
|-----------------------|----------------------------------------------------------------------------------|
| 30 wa timinete | NGHINGIRIKO WO LETERIWA HI MUDYONDZISI Ririmi, Matematiki, Swikili swa ta Vutomi |
|-----------------------|----------------------------------------------------------------------------------|

| | |
|-----------------------|------------------------|
| 30 wa timinete | XITORI masiku hinkwawo |
|-----------------------|------------------------|

Nkarhi wo wisa/ miyela na ku famba

- MATEMATIKI**
- Migingiriko leyi tumbuluxiweke ku suka eka XIPHOKHAMA (Matematiki)
 - Tinsimu na migingiriko ya vuyimbeleri
 - Migingiriko yo voniwa
 - Swinsin'wana swo hlayela
 - Ku burisana hi nkongomelo
 - Swiperimente swa Sayense
 - Ku tlanga va tshunxekile
 - Ntirho wa siku na siku

- TINDZIMI**
- Migingiriko leyi tumbuluxiweke ku suka eka XIPHOKHAMA (Ririmi ra le kaya)
 - Switori
 - Ku ntlanguhata
 - Tibuku/swifaniso
 - Ku hlaya xifaniso
 - Minkanelo hi xifaniso
 - Migingiriko yo voniwa
 - Phositara ya mutswari
 - Papila ra mutswari
 - Mahungu
 - Swithokovetselo na swinsin'wana
 - Vuyimbeleri/tinsimu/ swinsinwana
 - Tithepi
 - Nkanelo hi nkongomelo
 - Migingiriko ya mafambelo ya vanhu.
 - Ntirho wa siku na siku
 - Ku tlanga va tshunxekile

- SWIKILI SWA TA VUTOMI**
- Migingiriko leyi tumbuluxiweke hi nkhabiso ku suka eka XIPHOKHAMA (Swikili swa ta Vutomi)
 - Migingiriko ya Vutiolori.
 - Tinsimu na vuyimbeleri
 - Swithokovetselo na swinsin'wana
 - Ku burisana hi nkongomelo
 - Masiku yo velekiwa
 - Ntirho wa siku na siku
 - Ku tlanga va tshunxekile

Ntshikelelo nkarhi hinkwawo wu fanele wu ri eka ku tirhisa swiyenge leswi swa nongonoko wa siku na siku ku tlakusa matwisiselo ya tinhlayo ta masungulo hi ndlela yo nyanyula na ku landzelelana lokunene. Xikombiso, tindlela to dyondza tinhlayo hi ku leteriwa hi mudyondzisi ta nyikiwa hi nkarhi wo fambafambisa swirho. Minkarhi yo tala yo fambafambisa swirho yi nga va na nkongomo eka Matematiki. Nkarhi wa nimpundzu loko vana va xewetiwa na ku hlaya nongonoko wa mavito ya vona ku kuma lava nga kona na lavo ka va nga ri kona wu nyika nkarhi wo tlanga hi tinomboro, xikombiso, ku hlayela. Minkarhi yin'wana yo fana na ya Matematiki, yo tirhisa swirho u ri karhi u vona, mafambelo, vuyimbeleri na sayense swi nga va na nkongomo eka Matematiki.

Migingiriko ya vutumbuluxi bya swa vutshila yi nga pfuna eka ku tiyisisa swa Matematiki, xikombiso, ku tirhisa swivumbeko swa jometiri swo fana na swirhendzevutana na swikwere ku endla kholaji kumbe ku tumbuluxa patironi yo endla fureme ra xifaniso. Chati ya maxelo, minkarhi ya khalendara na masiku yo velekiwa yi nyika tindlela to twisisa hi vuenti minongoti ya matematiki. I vutivi bya mudyondzisi na nhlohlotelo wa yena leswi nga pfunetaka ku fikelerisa vuswikoti byo dyondza.

- *Migingiriko ya siku na siku:* laha vana va tekaka xiave swinene, ku fana na hi nkarhi wo wisa, wo fika, wo ya ekaya na wo ya exihambukelweni leswi nga vaka na nkongomo eka Matematiki. Vana lava nga ambala swo tshwuka, xikombiso fambani exihambukelweni ku sungula, (muhlovo na nomboro ya odinali), n'wana un'wana na un'wana u kuma puleti na sangweji (nchumu lowu yimelaka nomboro) Vukosi u lava sangweji ya vumbirhi, Nhlamulo a nga ha lavi sangweji. Leswi swi vula ku kombisa na ku tirhisa nkarhi lowu dyondzisekaka, hi marito man'wana ku va muhlanganisi wa ku dyondza.
- Hi nkarhi wo *tlanga va tshunxekile* mudyondzisi a nga yisa emahlweni **Matematiki wa masungulo** hi ndlela leyi faneleke hi ku vumba ndhawu ya vadyondzi yo tlangela eka yona va tshunxekile. Ku tlangela ehandle va ri voxe ku fana na ku khandziya fureme ra pulangi kumbe ku fambisa xikanyakanya laha xi fambisiwaka kona swi nga tlakusa matwisiselo ya ririmi ra matematiki ro fana na henhla / hansi, hatlisa / nonoko, sw. na sw. Ku tlanga hi sava na mati swi ta tiyisisa matwisiselo ya minongoti yo fana na ntiko, vholumu na vundzeni. Migingiriko leyi hinkwayo yi ta tlhela yi tlakusa vuswikoti lebyi lavekaka byo tirhisa swirho u ri karhi u vona, leswi endlaka xiphemu xa nkoka xo humelerisa matwisiselo ya litheresi na tinhlayo exikolweni. Swikombiso swa vuswikoti lebyi hi leswi landzeleka:
 - Ku ndlandlamuxa ku twisisa ka xiyimo xa wena eka ndhawu xik. Endzhaku, emahlweni, ehansi kumbe ekusuhi na nchumu (xikombiso, leswi swi nga khomanisiwa na xiyimela vukulu bya dijiti eka Matematiki), na
 - Matlhelo na matsalelo yo suka exineneni ku ya eximatsini. (leswi swi nga khomanisiwa na nomboro na mavumbelo ya letere na ku hlaya ku suka eximatsini ku ya exineneni.

Ntolovelo lowu vuriweke laha henhla wu hlamusela maendlelo ya Giredi ya V lawa ya hlohlotelaka ku ololoxa swiphiso swa tinhlayo, ku ehleketa loku nga na ndzandzelelano, ku katsa na dyondzo ya vaakatiko hikwalaho ka nkongomo wa yona eka ntirhisano wa swa dyondzo na ku vulavurisana. Hi ku tirhisa minkarhi yo dyondziseka, mudyondzisi a nga khutaza vadyondzi ku ehleketisisa hi swiboho swa vona na ku vhumba leswi nga endlekaka, xik. Loko va ehleketa leswaku xikhomelo lexi tirhisiwaka eka ntlangu wa mati xi ta khoma swo tlula xikhomelo xin'wana.

Hi ku nyika swiringanyeto leswi pfunaka na ku kombela n'wana ku ehleketa hi swiyimo swin'wana na tindlela to ololoxa swiphiso swa tinhlayo, mudyondzisi a nga khutaza vana ku ehleketa hi vuenti hi mhaka kutani va kuma swivangelo swa kahle swa ku hlawula loku va ku endlaka. Hi ndlela leyi, ku nga ri ntsena eka Matematiki kambe na ndlandlamuko lowu heleleke wa fikeleriwa na hinkwaswo leswi fambelanaka na XIPHOKHAMA swi tekeriwa enhlokweni.

Mintolovelo ya makambeleso eka Giredi ya V ya fanele ya ri ya nkamafundza naswona vana a va fanelanga va tsala 'xikambelwana'. Hikwalaho ka leswi migingiriko ya makambeleso a yi hoxiwanga eka XIPHOKHAMA xa Giredi ya V. Nghingiriko wun'wana na wun'wana lowu tirhisiweke eka ku kambela wu fanele ku kungahatiwa hi vukheta leswaku wu hlanganisa vuswikoti byo hambanahambana.

Eka Giredi ya V ku kambela ko tala ku humelela hi ku xiya, laha mudyondzisi a rhekhodaka mbuyelo wo kambela hi ku tirhisa nongonoko wo kambela. Kutani loko lembe ri ri karhi ri famba xifaniso lexi heleleke xa n'wana lexi kombisaka leswi a tsandzakaka na leswi a swi kotaka xa akiwa hi swintsongontsongo. Leswi swi pfuna leswaku a kuma ku pfuneka eka leswi n'wi tikelaka na ku tiyisisa leswi a swi kotaka.

Nongonoko wo dyondza lowu endliwaka etilasinini ya ntolovelo lowu lulamisiweke hi ku kongoma na “ku landzelela madyondzelo yo boha” wu fanele ku papalatiwa, tani hiloko swi nga pfuni mudyondzi wa ka Giredi ya V ku fikelela vutivi bya tinhlayo. Giredi ya V a yi fanelanga ku dyondza onge yo va tilasi ya Giredi ya 1 leyintsongo. Yi na swihlawulekisi swa yona yi ri yoxe leswi fambelanaka na leswi vana lava nga eka ntlawa wa malembe lawa va yi twisisaka swona misava ya vona na ku kuma vutivi, vuswikoti, nkoka na mavonelo lawa ya nga ta va pfumelela ku fikelela swilaveko leswi kumekaka eka malembe ya vona yo dyondza.

2.9 SWITIRHISIWA LESWI BUMABUMERIWAKA SWA TLILASI YA MATEMATIKI YA XIYIMO XA MASUNGULO

- Swo hlayela hi swona
- Dayizi lerikulu
- Fureme lerikulu ro hlayela hi rona.
- Chati yo komba vulehi.
- 1 – 100 wa tinomboro letikulu na 101 – 200 wa tiphositara ta giridi ya tinomboro (100-wa tichati)
- Mindzhati ya mintsengo yo hambana (yo yima thwixi na yo hingakanya)
- Sete ya makhadi ya Fuladi (makhadi yo ndlandlamuxa)
- Mali yo tlangisa — swingwece na maphepha
- Khalendara ya lembe rero
- xikombankarhi xa le khumbini xa analogo
- Xikalo xa ndzinganiso
- Tibuloko to aka
- Vumba
- Mabokisi yo hambana ya swivumbeko na tisayizi to hambanahambana leswi tisiwaka swi huma ekaya.
- Mabodhlela ya pulasitiki na swikhomelo swo hambana ku kota ku hlamusela na ku pimanisa vundzeni.
- Swikombiso swa kahle swa xirhendzevutana (bolo), phirizimu ya yinhlamune (bokisi) khiyubu, khoni, phiramidi na silinda. Mudyondzisis a nga tiendlela leswi hi yexe.
- Nhlayo ya swikwere swa pulasitiki kumbe khadibodo, tiyinhlanharhu to hambana, swirhendzevutana, tinhlanharhu to hambana ta tisayizi hinkwato to hambanahambana.
- Mintlangu ya Matematiki xik. Ludo, Nyoka na Xitepisi, swiphazamiso swo vumba minchumu kumbe swivumbeko, Dominosi, Tithangiramu sw. na sw.
- Swilaveko swa Giredi ya V na 1:
 - Tindhawu leti nga na sandi na mati yo tlangisa.
 - Switirhisiwa swo khandziya, ku ringanisa, ku jomba na ku tlulatlula.
 - Vhengele ro tlanga leri nga swilo leswi faneleke ku xaviwa hi mali yo tlangisa.
 - Mintlangu yo hambana leyi faneleke yo fana na “ku na yini eka xikwere?”
 - Tibuloko

XIYENGE XA 3: NKONGOMISO WA VUNDZENI NA NHLAMUSELO

3.1 MANGHENELO

Eka Bende yo Angarhela ya Dyondzo na Ndzetelo ku na swiyenge swa vundzeni swa ntlhanu eka Matematiki:

- Tinomboro, Tioparexini na Vuxaka
- Tipatironi, Tifankixini, na Alijebura
- Ndhawu na Xivumbeko (Jometiri)
- Mpimo
- Matirhiselo ya Vuxokoxoko bya Tinhlayo

Xiyenge xin'wana na xin'wana xa vundzeni xi tlhantlhiwile ku ya hi tinhlokomhaka ta Matematiki, xikombiso eka Ndhawu na Xivumbeko eka Xiyimo xa Masungulo nhlokomhaka yin'wana i swivumbeko swa matlhelo mambirhi. Minongoti na vuswikoti swi vuriwa hi ku kongoma eka nhlokomhaka yin'wana na yin'wana. Xiyenge xa 3 xa XIPHOKHAMA xa Matematiki wa Xiyimo xa Masungulo xi vula hi ku kongomisa no hlamusela vundzeni lebyi faneleke ku dyondzisiwa.

3.2 SWIHLAWULEKISI SWA VUNDZENI LESWI KOMBISAKA KU YA EMAHLWENI

Matafula ya nkatsakanyo wa Xiyimo ya komba minongoti na vuswikoti hi ku kongomisa na ku ya emahlweni ku suka eka Giredi ya V ku fika eka ya 3. Matafula ya nkatsakanyo wa Giredi ya komba ku ya emahlweni ka minongoti na vuswikoti eka tikotara hinkwato ta lembe.

Hambiswiritano, eka tinhlokomhaka tin'wana, minongoti na vuswikoti bya fana eka tigiredi timbirhi kumbe tinharhu leti landzelelanaka. Nhlamuselo ya vundzeni bya dyondzo yi ta nyika swiletelo swa leswi ku ya emahlweni ku fanelaka ku endlisiwa xiswona.

Nkatsakanyo wa Xiyimo xa Masungulo wu komba ndlandlamuxo wa vundzeni bya swiyenge; Tinomboro, Tioparexini na Vuxaka, Tipatironi, Tifankixini na Alijebura, Ndhawu na Xivumbeko (Jometiri), Mpimo na Matirhiselo ya Vuxokoxoko bya Tinhlayo eka Tigiredi ta V ku fika eka 3 tanihilaha swi xaxametiweke hakona eka matafula lawa laha hansi:

NKATSAKANYO WA XIYIMO XA MASUNGULO
1. TINOMBORO, TIOPAREXINI NA VUXAKA

Ku ya emahlweni hi Tinomboro, Tioparexini na Vuxaka

- Ndlamlamuxonkulu eka Tinomboro, Tioparexini na Vuxaka wu humelela hi tindlela tinharhu:
 - Vunavi bya tinomboro bya engeteleka.
 - Tinxaka to hambanahambana ta tinomboro ti dyondzisiwa ro sungula.
 - Maqhingha yo khakhuleta ya cinca.
- Loko vunavi bya tinomboro byo endla mikhakhuleto byi ri karhi byi engeteleka ku fika eka Giredi ya 3, vadyondzi va fanele ku va ndlandlamuxa maqhingha lamanene yo khakhuleta.
- Swiphiqu swa mbangu swi fanele swi tekela enhlokweni vunavi bya tinomboro bya Giredi na vuswikoti byo khakhuleta bya vadyondzi.

| TINHLOKOMHAKA | | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NHLUVUKISO WA VUTIVI BYA MINONGOTI YA TINOMBORO: Hlayela hi tinomboroxiheri | | | | | |
| 1.1 Hlayela minchumu | Hlayela minchumu yo khomeka Pimanyeta no hlayela minchumu leyi khomekaka ya siku na siku leyi nga riki ehansi ka 10 hi ku tshembeka. | Hlayela minchumu yo khomeka Pimanyeta no hlayela minchumu leyi khomekaka ya siku na siku leyi nga riki ehansi ka 50 hi ku tshembeka. Ku hlayela hi ku ntlawahata swa kondleterwa | Hlayela minchumu yo khomeka Pimanyeta no hlayela minchumu leyi khomekaka ya siku na siku leyi nga riki ehansi ka 1000 hi ku tshembeka. Ku hlayela hi ku ntlawahata swa kondleterwa | Hlayela minchumu yo khomeka Pimanyeta no hlayela minchumu leyi khomekaka ya siku na siku leyi nga riki ehansi ka 200 hi ku tshembeka. Ku hlayela hi ku ntlawahata swa kondleterwa | Hlayela minchumu yo khomeka Pimanyeta no hlayela minchumu leyi khomekaka ya siku na siku leyi nga riki ehansi ka 1000 hi ku tshembeka. Ku hlayela hi ku ntlawahata swa kondleterwa |
| 1.2 Hlayela emahlweni na le ndzhaku | Hlayela emahlweni na le ndzhaku hi va n'we ku suka eka 1 ku fika eka 10; Tirhisa swinsi'wana swa tinomboro na tinsimu | Hlayela emahlweni na le ndzhaku hi va n'we ku suka eka nomboro yin'wana na yin'wana exikarhi ka 0 na 100. Hlayela emahlweni hi: <ul style="list-style-type: none"> • va 10 ku suka eka miandziso yin'wana na yin'wana ya 10 exikarhi ka 0 na 100 • va 5 ku suka eka miandziso yin'wana na yin'wana ya 5 exikarhi ka 0 na 100 • va 2 ku suka eka miandziso yin'wana na yin'wana ya 2 exikarhi ka 0 na 100 | Hlayela emahlweni na le ndzhaku hi: <ul style="list-style-type: none"> • va 10 ku suka eka miandziso yin'wana na yin'wana ya 10 exikarhi ka 0 na 200 • va 5 ku suka eka miandziso yin'wana na yin'wana wana ya 5exikarhi ka 0 na 200 • va 2 ku suka eka miandziso yin'wana na yin'wana ya 2 exikarhi ka 0 na 200 | Hlayela emahlweni na le ndzhaku hi: <ul style="list-style-type: none"> • va 1 ku suka eka nomboro yin'wana na yin'wana exikarhi ka 0 na 200 • va 10 ku suka eka miandziso yin'wana na yin'wana ya 10 exikarhi ka 0 na 1000 • va 5 ku suka eka miandziso yin'wana na yin'wana ya 5 exikarhi ka 0 na 1000 • va 2 ku suka eka miandziso yin'wana na yin'wana ya 2 exikarhi ka 0 na 1000 • va 3 ku suka eka miandziso yin'wana na yin'wana ya 3 exikarhi ka 0 na 1000 • va 4 ku suka eka miandziso yin'wana na yin'wana ya 4 exikarhi ka 0 na 1000 | Hlayela emahlweni na le ndzhaku hi: <ul style="list-style-type: none"> • va1 ku suka eka nomboro yin'wana na yin'wana exikarhi ka 0 na 1000 • va 10 ku suka eka miandziso yin'wana na yin'wana ya 10 exikarhi ka 0 na 1000 • va 5 ku suka eka miandziso yin'wana na yin'wana ya 5 exikarhi ka 0 na 1000 • va 2 ku suka eka miandziso yin'wana na yin'wana ya 2 exikarhi ka 0 na 1000 • va 3 ku suka eka miandziso yin'wana na yin'wana ya 3 exikarhi ka 0 na 1000 • va 4 ku suka eka miandziso yin'wana na yin'wana ya 4 exikarhi ka 0 na 1000 • va 20, va25, va 50, va100 ku fika eka nomboro leyi nga riki ehansi ka1 000 |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NHLUVUKISO WA VUTIVI BYA MINONGOTI YA TINOMBORO: Kombisa tinomboroxiheri | | | | |
| 1.3 Mimfunguho ya tinomboro na mavito ya tinomboro | Vula no tirhisa mavito ya tinomboro eka mbangu lowu tolovelekeke: Lemuka, kombisa no hlaya tinomboro <ul style="list-style-type: none"> Lemuka, kombisa no hlaya mimfunguho ya tinomboro 1 ku fika eka 10 Lemuka, kombisa no hlaya mavito ya tinomboro 1 ku fika eka 10 | Lemuka, kombisa no hlaya mimfunguho ya tinomboro <ul style="list-style-type: none"> Lemuka, kombisa no hlaya mimfunguho ya tinomboro 1 ku fika eka 100 Tsala mimfunguho ya tinomboro 1 ku fika eka 20 Lemuka, kombisa no hlaya mavito ya tinomboro 1 ku fika eka 10 Tsala mavito ya tinomboro 1 ku fika eka 10 | Lemuka, kombisa no hlaya tinomboro <ul style="list-style-type: none"> Lemuka, kombisa no hlaya mimfunguho ya tinomboro 0 ku fika eka 200 Tsala mimfunguho ya tinomboro 1 ku fika eka 200 Lemuka, kombisa no hlaya mavito ya tinomboro 0 ku fika eka 100 Tsala mavito ya tinomboro 0 ku fika eka 100 | Lemuka, kombisa no hlaya tinomboro <ul style="list-style-type: none"> Lemuka, kombisa no hlaya mimfunguho ya tinomboro 0 ku fika eka 1000 Tsala mimfunguho ya tinomboro 0 ku fika eka 1000 Lemuka, kombisa no hlaya mavito ya tinomboro 0 ku fika eka 1000 Tsala mavito ya tinomboro 0 ku fika eka 1000 |
| NHLUVUKISO WA VUTIVI BYA MINONGOTI YA TINOMBORO: Hlamusela, pimanisa na ku xaxameta tinomboroxiheri | | | | |
| 1.4 Hlamusela, pimanisa na ku xaxameta tinomboro | Hlamusela, pimanisa na ku xaxameta nhlengelo wa minchumu ku fika eka 10 <ul style="list-style-type: none"> Hlamusela tinomboroxiheri ku fika ka 10 Pimanisa leswaku eka nhlengelo wa minchumu yimbirhi leyi nyikiweke hi wihi lowu nga wukulu, wuntsongo, wuntsongo ka, wukulu ka, ku tlula, ehansi ka, wo ringana na Wo tala ngopfu, lowu nga ri ki ehansi ka, ntsongo ngopfu ku fika ka 10. Xaxameta minhlengelo ya minchumu yimbirhi leyi nyikiweke ku suka eka leyintsongo ngopfu ku fika eka leyikulu ngopfu ku fika eka 10 | Hlamusela, pimanisa na ku xaxameta minchumu ku fika eka 20 <ul style="list-style-type: none"> Hlamusela na ku pimanisa minhlengelo ya minchumu ku ya hi yo tala ngopfu, leyi nga riki hansi ka, ku fana na Hlamusela na ku xaxameta minhlengelo ya minchumu ku suka eka yo tala ngopfu ku fika eka leyi nga ri ki ehansi ka | | |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tirhisa tinomboro ta odinali ku kombisa nxaxameto, ndhawu kumbe xiyimo</p> <p>Ndlandlamuxa ndzemuko wa tinomboro ta odinali xik: yosungula, yavumbirhi, yavunharhu ku fika eka ya vutsevu na yohetelele</p> | <p>Hlamusela, pimanisa na ku xaxameta tinomboro ku fika eka 20</p> <ul style="list-style-type: none"> Hlamusela na ku pimanisa tinomboro xiheri ku ya hi leyintsongo ngopfu eka, leyikulu ngopfu eka na ku tlula, ehansi ka, yi ringana na Hlamusela na ku xaxameta tinomboro ku suka eka leyintsongo ngopfu ku fika eka leyikulu ngopfu na leyikulu ngopfu ku fika eka leyintsongo ngopfu. <p>Tirhisa tinomboro ta odinali ku kombisa nxaxameto, ndhawu kumbe xiyimo</p> <p>Veketela minchumu hi ku longoloka ku sukela eka wosungula, ku fika eka wa vukhume kumbe wosungula ku fika eka wohetelele xik: wosungula, wavumbirhi, wa vunharhu ... wa vukhume</p> | <p>Hlamusela, pimanisa na ku xaxameta tinomboro ku fika eka 99</p> <ul style="list-style-type: none"> Hlamusela, pimanisa na ku xaxameta tinomboro xiheri ku fika eka 99 u tirhisa leyintsongo eka, leyikulu eka, ku tlula, ehansi ka, na yo ringana na Hlamusela, na ku xaxameta tinomboro xiheri ku fika eka 99 ku sukela eka leyintsongo ngopfu ku fika eka leyikulu ngopfu, na leyikulu ngopfu ku ya eka leyintsongo ngopfu <p>Tirhisa tinomboro ta odinali ku kombisa nxaxameto, ndhawu kumbe xiyimo</p> <p>Veketela minchumu hi ku longoloka ku sukela eka wosungula ku fika eka wa vumakumembirhi kumbe wosungula ku fika eka wo hetelele xik: wosungula, wavumbirhi, wavunharhu...wa vumakumembirhi</p> | <p>Hlamusela, pimanisa, na ku xaxameta tinomboro ku fika eka 999</p> <ul style="list-style-type: none"> Hlamusela na ku pimanisa tinomboro xiheri ku fika eka 999 hi ku tirhisa leyintsongo eka, leyikulu eka, ku tlula, na yo ringana na Hlamusela na ku xaxameta tinomboro xiheri ku fika eka 999 ku sukela eka leyintsongo ngopfu ku fika eka leyikulu ngopfu na leyikulu ngopfu eka ku fikela eka leyintsongo ngopfu <p>Tirhisa tinomboro ta odinali ku kombisa nxaxameto, ndhawu kumbe xiyimo</p> <p>Tirhisa, hlanya na ku tsala tinomboro ta odinali, ku katsa xivumbeko xa nkomoiso) vu1, vu2, vu3, ku fika eka vu31</p> |
| <p>NHLUVUKISO WA VUTIVI BYA MINONGOTI YA TINOMBORO: Vukulu bya dijiti</p> | | | | |
| <p>1.5 Vukulu bya dijiti</p> | <p>Sungula ku lemuka vukulu bya dijiti lebyi nga riki ehansi ka tinomboro ta tidijiti -timbirhi ku fika eka 20</p> <ul style="list-style-type: none"> Tlhantha tinomboro ta tidijiti-timbirhi hi miandziso ya 10 na va n'we/ tiyuniti. | <p>Lemuka vukulu bya dijiti lebyi nga riki ehansi ka tinomboro ta tidijiti timbirhi ku fika eka 99</p> <ul style="list-style-type: none"> Tlhantha tinomboro ta tidijiti-timbirhi ku fika ka 99 hi miandziso ya 10 na va n'we/ yuniti Kombisa na ku vula vukulu bya dijiti yin'wana na yin'wana | | <p>Lemuka vukulu bya dijiti bya tinomboro ta tidijiti-tinharhu ku fika eka 999</p> <ul style="list-style-type: none"> Tlhantha tinomboro ta tidijiti-tinharhu ku fika eka 999 hi miandziso ya 100, miandziso ya 10 na va n'we/ tiyuniti Kombisa na ku vula vukulu bya dijiti yin'wana na yin'wana |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OLOLOXA SWIPHIGO SWA TINHLAYO EKA MBANGU WO KARHI | | | | |
| <p>1.6 Tithekiniki to ololoxa swiphigo swa tinhlayo</p> | <p>Tirhisa tithekiniki leti landzelaka ku fika eka 10:</p> <ul style="list-style-type: none"> Switirhisiwa swo khomeka xik: swo hlavela hi swona, Lerha ra tinomboro | <p>Tirhisa tithekiniki leti landzelaka loko ku ololoxa swiphigo swa tinhlayo na ku nyika tinhlamulo:</p> <ul style="list-style-type: none"> Switirhisiwa swo khomeka xik: swo hlavela hi swona Swifaniso ku dirowa switori swa tinhlayo Ku aka na ku thantlha tinomboro Ku mbirihata na ku hafula Ndzhati wa mintsengo lowu seketeriwaka hi switirhisiwa swo khomeka | <p>Tirhisa tithekiniki leti landzelaka loko ku ololoxa swiphigo swa tinhlayo na ku nyika tinhlamulo:</p> <ul style="list-style-type: none"> Swidrowiwa kumbe switirhisiwa swo khomeka xik: swo hlavela hi swona Ku aka na ku thantlha tinomboro Ku mbirihata na ku hafula Ndzhati wa mintsengo | <p>Tirhisa tithekiniki leti landzelaka loko ku ololoxa swiphigo swa tinhlayo na ku nyika tinhlamulo:</p> <ul style="list-style-type: none"> Ku aka na ku thantlha tinomboro Ku mbirihata na ku hafula Ndzhati wa mintsengo Nkatsakanyo hi vakhume |
| <p>1.7 Ku hlanganisa na ku susa</p> | <p>Ololoxa swiphigo swa tinhlayo ta marito (switori swa tinhlayo) eka mbangu na ku nyika tinhlamulo ta wena eka swiphigo swa wena eka swiphigo swa tinhlayo leswi katsaka ku hlanganisa na ku susa leswi nga na tinhlamulo to fika eka 10.</p> | <p>Ololoxa swiphigo swa tinhlayo ta marito eka mbangu na ku nyika tinhlamulo ta wena eka swiphigo swa tinhlayo leswi katsaka ku hlanganisa na ku susa leswi nga na tinhlamulo to fika eka 20.</p> | <p>Ololoxa swiphigo swa tinhlayo ta marito eka mbangu na ku nyika tinhlamulo ta wena eka swiphigo swa tinhlayo leswi katsaka ku hlanganisa na ku susa leswi nga na tinhlamulo to fika eka 99.</p> | <p>Ololoxa swiphigo swa tinhlayo ta marito eka mbangu na ku nyika tinhlamulo ta wena eka swiphigo swa tinhlayo leswi katsaka ku hlanganisa na ku susa leswi nga na tinhlamulo to fika eka 999.</p> |
| <p>1.8 Ku hlanganisa ko vuyelela loku yisaka eka ku andzisa</p> | <p>Ololoxa swiphigo swa tinhlayo ta marito eka mbangu na ku nyika tinhlamulo ta wena eka swiphigo swa tinhlayo leswi katsaka ku hlanganisa ko vuyelela leswi nga na tinhlamulo to fika eka 20.</p> | <p>Ololoxa swiphigo swa tinhlayo ta marito eka mbangu na ku nyika tinhlamulo ta wena eka swiphigo swa tinhlayo leswi katsaka ku hlanganisa ko vuyelela na ku andzisa leswi nga na tinhlamulo to fika eka 50.</p> | <p>Ololoxa swiphigo swa tinhlayo ta marito eka mbangu na ku nyika tinhlamulo ta wena eka swiphigo swa tinhlayo hi ku tirhisa ku andzisa ku fika eka 100.</p> | <p>Ololoxa swiphigo swa tinhlayo ta marito eka mbangu na ku nyika tinhlamulo eka swiphigo swa tinhlayo swo endleka leswi katsaka ku avelana hi ku ringana na ku ntlawahata ku fika eka 100 na tinhlamulo leti katsaka leswi salaka</p> |
| <p>1.9 Ku ntlawahata na ku avelana loku yisaka eka ku avanyisa</p> | <p>Ololoxa na ku nyika tinhlamulo eka swiphigo swa tinhlayo ta marito eka mbangu (switori swa tinhlayo) leswi katsaka ku avelana hi ku ringana, ku ntlawahata hi tinomboroxiheri ku fika eka 10 na tinhlamulo leti nga katsaka leswi salaka.</p> | <p>Ololoxa na ku nyika tinhlamulo eka swiphigo swa tinhlayo swo endleka leswi katsaka ku avelana hi ku ringana na ku ntlawahata hi tinomboroxiheri ku fika eka 20 na tinhlamulo leti nga katsaka leswi salaka</p> | <p>Ololoxa na ku nyika tinhlamulo eka swiphigo swa tinhlayo swo endleka leswi katsaka ku avelana hi ku ringana na ku ntlawahata ku fika eka 50 na tinhlamulo leti nga katsaka leswi salaka</p> | <p>Ololoxa na ku nyika tinhlamulo eka swiphigo swa tinhlayo swo endleka leswi katsaka ku avelana hi ku ringana na ku ntlawahata ku fika eka 100 na tinhlamulo leti katsaka leswi salaka</p> |
| <p>1.10 Ku avelana loku yisaka eka tifurakixini</p> | <p>Ololoxa na ku nyika tinhlamulo leti nga katsaka leswi salaka.</p> | <p>Ololoxa na ku nyika tinhlamulo eka swiphigo swa tinhlayo swo endleka leswi katsaka ku avelana hi ku ringana loku yisaka eka tinhlamulo leti katsaka tifurakixini ta vun'we.</p> | <p>Ololoxa na ku nyika tinhlamulo eka swiphigo swa tinhlayo swo endleka leswi katsaka ku avelana hi ku ringana loku yisaka eka tinhlamulo leti katsaka tifurakixini ta vun'we na tinhlamulo to ka ti nga ri ta vun'we</p> | <p>Ololoxa na ku nyika tinhlamulo eka swiphigo swa tinhlayo swo endleka leswi katsaka ku avelana hi ku ringana loku yisaka eka tinhlamulo leti katsaka tifurakixini ta vun'we na tinhlamulo to ka ti nga ri ta vun'we</p> |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.11 Mali</p> | <p>Ndlandlamuxa ndzemuko wa swingwece na mali ya maphepha ya Afrika Dzonga</p> | <p>Lemuka na ku kombisa swingwece swa Afrika Dzonga na mali ya maphepha ya na</p> <p>Ololoxa swiphigo swa mali u katsa mintsengo na cinci ku fika eka na hi tiseute ku fika eka</p> | <p>Lemuka na ku kombisa swingwece swa Afrika- Dzonga (na mali ya maphepha</p> <p>Ololoxa swiphigo leswi katsaka mintsengo na cinci ku fika eka na ku katsa ku fika eka tiseute</p> | <p>Lemuka na ku kombisa swingwece na mali ya maphepha hinkwayo ya Afrika- Dzonga</p> <p>Ololoxa swiphigo swa mali leswi katsaka mintsengo na cinci hi tirhandi na tiseute</p> <p>Hundzuluxa exikarhi ka tirhandi na tiseute</p> |
| MIKHAKHULETO YA LE HANDLE KA MBANGU LOWU NGA TOLOVELEKA | | | | |
| <p>1.12 Tithekiniki (maendlelo kumbe maqhinga)</p> | | <p>Tirhisa tithekiniki leti landzelaka loko ku endliwa mikhakhuleto:</p> <ul style="list-style-type: none"> Swidirowiwa kumbe switirhisiwa swo khomeka xik: swo hlayscale hi swona Ku aka na ku thantlha tinomboro Ku mbirihata na ku hafula Ndzhati wa mintsengo wu Seketeriwa hi switirhisiwa swo khomeka | <p>Tirhisa tithekiniki leti landzelaka loko ku endliwa mikhakhuleto:</p> <ul style="list-style-type: none"> swidirowiwa kumbe switirhisiwa swo khomeke xik: swo hlayscale hi swona Ku aka na ku thantlha tinomboro Ku mbirihata na ku hafula Ndzhati wa mintsengo | <p>Tirhisa tithekiniki leti landzelaka loko ku endliwa mikhakhuleto:</p> <ul style="list-style-type: none"> Ku aka na ku thantlha tinomboro Ku mbirihata na ku hafula Ndzhati wa mintsengo Nkatsakanyo/ ku yisa kusuhi na vakhume |
| <p>1.13 Ku hlanganisa na ku susa</p> | <p>Ololoxa hi nomo swiphigo swa ku susa na ku hlanganisa leswi nga boxiwa leswi nga na tinhlamulo to fika eka 10</p> | <ul style="list-style-type: none"> Hlanganisa eka 20 Susa eka 20 Tirhisa mimfungo leyi faneleke (+, -, =, □) Titoloveti tinomboro ta tibondo ku fika eka | <ul style="list-style-type: none"> Hlanganisa eka 99 Susa eka 99 Tirhisa mimfungo leyi faneleke (+, -, =, □) Titoloveti tinomboro ta tibondo ku fika eka | <ul style="list-style-type: none"> Hlanganisa eka 999 Susa eka 999 Tirhisa mimfungo leyi faneleke (+, -, =, □) Titoloveti tinomboro ta tibondo ku fika eka |
| <p>1.14 Ku hlanganisa ko vuyelela loku yisaka eka ku andzisa</p> | | <ul style="list-style-type: none"> Hlanganisa nomboro yo fana hi ku vuyelela ku fika eka 20 Tirhisa mimfungo leyi faneleke (+, -, =, □) | <ul style="list-style-type: none"> Andzisa tinomboro ta ku fika eka 10 hi 2, 5, 3 na eka ntsengo wa 50 Tirhisa mimfungo leyi faneleke (+, -, =, □) | <ul style="list-style-type: none"> Andzisa nomboro yinwana na yin'wana hi 2, 3, 4, 5, 10 ku fika eka ntsengo wa 100 Tirhisa mimfungo leyi faneleke (+, -, =, □) |
| <p>1.15 Ku avanyisa</p> | | | | <ul style="list-style-type: none"> Avanyisa tinomboro ku fika eka 100 hi 2, 3, 4, 5, 10 Tirhisa mimfungo leyi faneleke (+, -, =, □) |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.16 Menthele</p> | <p>Nongoti wa vutivi bya nomboro: Vunavi bya 10 Ngingiriko wun'wana na wun'wana wu sungula hi menthele</p> <ul style="list-style-type: none"> • Ku hlayela minchumu ya masiku hinkwawo • Ku hlayela emahliweni na le ndzhaku • Ku hlayela ka odinali • Phokotela mavoko ko tala/ ka ntsongo • Hi kwifi ku phokotela loku nga tala/ ku ntsongo/tala ngoptfu/ ku ntsongo ngoptfu • Hi yihi nomboro leyi rhangelaka/ taka endzhaku ka /exikarhi ka | <p>Nongoti wa vutivi bya nomboro: Vunavi bya 20</p> <ul style="list-style-type: none"> • Vula nomboro ya le mahliweni na le ndzhaku ka nomboro leyi nyikiweke. • Xaxameta sete leyi nga nyikiwa ya tinomboro leti nga hlawuriwa • Pimanisa tinomboro ku fika eka 20 na ku vula leswaku hi yihi yi nga yikulu kumbe ehansi hi 1 na 2 <p>Tsundzuka hi ku hatlisa:</p> <ul style="list-style-type: none"> • Maendlelo yo hlanganisa na ku susa ku fika eka 10 | <p>Nongoti wa vutivi bya nomboro: Vunavi bya 99</p> <ul style="list-style-type: none"> • Xaxameta sete leyi nga nyikiwa ya tinomboro leti nga hlawuriwa • Pimanisa tinomboro ku fika eka 99 na ku vula leswaku hi yihi yi nga yikulu kumbe ehansi hi 1, 2, 3, 4, 5 na 10 <p>Tsundzuka hi ku hatlisa:</p> <ul style="list-style-type: none"> • Maendlelo yo hlanganisa na ku susa ku fika eka 20 • Hlanganisa kumbe u susa eka miandziso ya 10 ku susa eka 0 ku fika eka 100 | <p>Nongoti wa vutivi bya nomboro: Vunavi bya 1000</p> <ul style="list-style-type: none"> • Xaxameta sete leyi nga nyikiwa ya leti nga hlawuriwa • Pimanisa tinomboro ku fika eka 1000 na ku vula leswaku hi yihi yi nga yikulu kumbe ehansi hi 1, 2, 3, 4, 5 na 10 <p>Tsundzuka hi ku hatlisa:</p> <ul style="list-style-type: none"> • Tsundzuka hi ku hatlisa maendlelo yo hlanganisa no susa ku fika eka 20 • Hlanganisa kumbe u susa miandziso ya 10 ku susa eka ku fika eka 100 • Maendlelo yo andzisa ya: <ul style="list-style-type: none"> - tafula ra menthele wa 2 na tinhlamulo ku fika eka 20 - tafula ra menthele wa 10 na tinhlamulo ku fika eka 100 • Maendlelo yo avanyisa ya tinomboro : <ul style="list-style-type: none"> - ku fika eka 20 ku avanyisiwa hi 2 - ku fika eka 100 ku avanyisiwa hi 10 <p>Maqhinga ya mikhakhuleto Tirhisa maqhinga ya mikhakhuleto lawa ya landzelaka:</p> <ul style="list-style-type: none"> • Veka nomboro leyikulu eku sunguleni ku endlela ku hlayela emahliweni kumbe ku hlayela endzhaku • Ndzhati wa mintsengo • Ku mbirihata na ku hafula • Ku aka na ku thantlha • Tirhisa vuxaka exikarhi ka ku hlanganisa na ku susa • Tirhisa vuxaka exikarhi ka ku andzisa na ku avanyisa. |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|-----------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>MIKHAKHULETO YA LE HANDLE KA MBANGU LOWU NGA TOLOVELEKA (ku yisa emahlweni)</p> <p>1.17 Tifurakixini</p> | | | <ul style="list-style-type: none"> Tirhisa na ku vula tifurakixini ta vun'we eka mbangu lowu toloveleke ku katsa hafu, kotara, swanharhu, swantlhanu Lemuka tifurakixini hi xivumbeko xa dayagiramu Tsala furakixini tanihi hi hafu yi1 | <ul style="list-style-type: none"> Tirhisa na ku vula tifurakixini ta vun'we na to ka ti nga ri ta vun'we eka mbangu wo toloveleka lowu katsaka tihafu, tikotara, swanhungu, swanharhu, swatsevu, swantlhanu. Lemuka xivumbeko xa dayagiramu Sungula ku lemuka leswaku tihafu timbirhi kumbe nharhu swanharhu swi endla nchumu lowu hetisekeke na leswaku hafu yin'we na tikotara timbirhi swa ringana Tsala furakixini tanihi hafu yi1, 2 swanharhu, |

NKATSAKANYO WA XIYIMO XA MASUNGULO
2. TIPATIRONI, TIFANKIXINI NA ALIJBURA

Ku yisa emahlweni eka Tipatironi, Tifankixini, na Alijbura

- Eka Tipatironi, Tifankixini na Alijbura, vadyondzi va kuma nkarhi wo:
 - hetisa na ku ndlandlamuxa tipatironi leti yimeriweke hi swiyimo swo hambanahambanana
 - kombisa na ku hlamusela tipatironi.
- Ku hlamusela tipatironi swi endla masungulo ya vadyondzi eka Xiyimo xa le Xikarhi ku hlamusela milawu ya tipatironi. Leswi hundzuka swa mafundza eka ntirho wa xiAlijbura eka Xiyimo xa le Henhla

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>2.1</p> <p>Tipatironi ta xijometiri</p> | <p>Kopa na ku ndlandlamuxa</p> <p>Kopa na ku ndlandlamuxa tipatironi to olova hi ku tirhisa minchumu yo khomeka na swidirowiwa (xik, hi ku tirhisa mihlovo na swivumbeko).</p> | <p>Kopa, ndlandlamuxa na ku hlamusela</p> <p>Kopa, ndlandlamuxa na ku hlamusela hi marito</p> <ul style="list-style-type: none"> • tipatironi to olova leti nga endliwa hi minchumu yo khomeka • tipatironi to olova leti nga endliwa hi swidirowiwa swa mintila, swivumbeko kumbe minchumu <p>Tumbuluxa tipatironi ta vona vini</p> <p>Tumbuluxa tipatironi ta vona vini ta xijometiri</p> <ul style="list-style-type: none"> • hi minchumu yo khomeka • hi ku dirowa mintila, swivumbeko kumbe minchumu | <p>Kopa, ndlandlamuxa na ku hlamusela</p> <p>Kopa, ndlandlamuxa na ku hlamusela hi marito</p> <ul style="list-style-type: none"> • tipatironi to olova leti nga endliwa hi minchumu yo khomeka • tipatironi to olova leti nga endliwa hi swidirowiwa swa mintila, swivumbeko kumbe minchumu <p>Tumbuluxa tipatironi ta vona vini</p> <p>Tumbuluxa tipatironi ta vona vini ta xijometiri</p> <ul style="list-style-type: none"> • hi minchumu yo khomeka • hi ku dirowa mintila, swivumbeko kumbe minchumu | <p>Kopa, ndlandlamuxa na ku hlamusela</p> <p>Kopa, ndlandlamuxa na ku hlamusela hi marito</p> <ul style="list-style-type: none"> • tipatironi to olova leti nga endliwa hi minchumu yo khomeka • tipatironi to olova leti nga endliwa hi swidirowiwa swa mintila, swivumbeko kumbe minchumu <p>Tumbuluxa tipatironi ta vona vini</p> <p>Tumbuluxa tipatironi ta vona vini ta xijometiri</p> <ul style="list-style-type: none"> • hi minchumu yo khomeka • hi ku dirowa mintila, swivumbeko kumbe minchumu <p>Tipatironi ta le ka mbangu wa hina</p> <p>Kombisa, hlamusela hi marito na ku kopa tipatironi ta xijometiri</p> <ul style="list-style-type: none"> • eka ntumbuluko • eka vutomi bya manguva lawa bya masiku hinkwawo • eka ndhavuko na mfuwo wa rixaka wa hina. |
| <p>2.2</p> <p>Tipatironi ta tinomboro</p> | | <p>Kopa, ndlandlamuxa na ku hlamusela</p> <p>Kopa, ndlandlamuxa na ku hlamusela ndzandzelelano wa tinomboro leti nga ri ki ehansi ka 100</p> <p>Tumbuluxa na ku hlamusela tipatironi ta vona vini</p> | <p>Kopa, ndlandlamuxa na ku hlamusela</p> <p>Kopa, ndlandlamuxa na ku hlamusela ndzandzelelano wa tinomboro leti nga ri ki ehansi ka 200</p> <p>Tumbuluxa na ku hlamusela tipatironi ta vona vini</p> | <p>Kopa, ndlandlamuxa na ku hlamusela</p> <p>Kopa, ndlandlamuxa na ku hlamusela ndzandzelelano wa tinomboro leti nga ri ki ehansi ka 999</p> <p>Tumbuluxa na ku hlamusela tipatironi ta vona vini</p> |

**NKATSAKANYO WA XIYIMO XA LE HANSI
3. NDHAWU NA XIVUMBeko (JOMETIRI)**

Ku yisa emahlweni eka Ndhawu na Xivumbeko

Mhakankulu eka ku yisa emahlweni eka Ndhawu na Xivumbeko ku fikelenwa hi ku:

- kongomisa eka swihlawulekisi swintshwa swa swivumbeko na minchumu eka giredi yin'wana na yin'wana; na
- ku suka eka ku dyondza ririmi ra xiyimo na ku yelanisa mathelo yo hambana ya minchumu yo fana ku ya eka ku hlanya na ku landzelela swiletelo swa mathelo swa mimepe ya nkamafundza.

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.1 Xiyimo, ndzetelo na mathelo | <p>Xiyimo xa ririmi</p> <p>Hlamusela xiyimo xa nchumu wun'we lowu nga na vuxaka eka wun'wana, xik, ehenhla ka, emahlweni ka, endzhaku ka, eximatsini, exineneni, ehenhla, ehansi, ethelo ka.</p> | <p>Xiyimo xa ririmi</p> <p>Hlamusela xiyimo xa nchumu wun'we lowu nga na vuxaka eka wun'wana, xik, ehenhla ka, emahlweni ka, endzhaku ka, eximatsini, exineneni, ehenhla, ehansi, ethelo ka.</p> | <p>Xiyimo xa ririmi</p> <p>Hlamusela xiyimo xa nchumu wun'we lowu nga na vuxaka eka wun'wana, xik, ehenhla ka, emahlweni ka, endzhaku ka, eximatsini, exineneni, ehenhla, ehansi, ethelo ka.</p> | <p>Xiyimo na mathelo</p> <ul style="list-style-type: none"> • Lemuka na ku yelanisa mathelo yo hambana ya nchumu wa masiku hinkwawo. • Vula nchumu wa masiku hinkwawo loko wu kombiwile thelo ro ka ri nga tolovelekangi ra wona. • Hlaya, hlamusela na ku dirowa mimepe ya mafundza, kumbe ku languta ku suka ehenhla ka nhlengelo wa minchumu • Kuma minchumu eka mimepe |
| | <p>Xiyimo na swiletelo swa mathelo</p> <ul style="list-style-type: none"> • Landzela swiletelo swa mathelo swa mathelo swo famba etiliasini. | <p>Xiyimo na swiletelo swa mathelo</p> <ul style="list-style-type: none"> • Landzela swiletelo swa mathelo swo famba etiliasini. • Landzelela swiletelo swa mathelo swo veka nchumu wun'we lowu nga na vuxaka eka wun'wana, xik, veka penisele endzhaku ka bokisi | <p>Xiyimo na swiletelo swa mathelo</p> <ul style="list-style-type: none"> • Landzela swiletelo swa mathelo swo famba etiliasini. | <p>Xiyimo na swiletelo swa mathelo</p> <ul style="list-style-type: none"> • Landzela swiletelo swa mathelo swo famba etiliasini na le xikolweni. • Nyika swiletelo swa mathelo swo famba etiliasini na le xikolweni. • Landzeleka swiletelo swa mathelo swo famba ku suka eka ndhawu yin'we u ya eka yin'wana hi ku tirhisa mepe wa nkamafundza. |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>3.2 Minchumu ya mathelo ma3</p> | <p>Minchumu yo hambanahambana Lemuka na ku vula minchumu ya mathelo ma3 etlilasini.</p> <ul style="list-style-type: none"> • Swivumbeko swa bolo • Swivumbeko swa bokisi <p>Swihlawulekisi swa minchumu Hlamusela, hlawula ku ya hi swihlawulekisi na ku yelanisa minchumu ya mathelo ma3 ku ya hi :</p> <ul style="list-style-type: none"> • Sayizi • Muhlovo • Minchumu leyi khungulukaka. • Minchumu leyi rhetemukaka. <p>Migingiriko ya nkongomo</p> <ul style="list-style-type: none"> • Tirhisa minchumu ya mathelo ma3 tanihi tibuloko to aka, switirhisiwa swo tirhisiwa hi vuntshwa ku suka eka swa khale sw. na sw, ku aka minchumu leyi heleleke, xik, swihondzo, mabuloho sw. na sw. | <p>Minchumu yo hambanahambana Lemuka na ku vula minchumu ya mathelo ma3 etlilasini.</p> <ul style="list-style-type: none"> • Swivumbeko swa bolo (swirhendzvetutana) • Swivumbeko swa bokisi (tiphirizimu). <p>Swihlawulekisi swa minchumu Hlamusela, hlawula ku ya hi swihlawulekisi na ku yelanisa minchumu ya mathelo ma3 ku ya hi :</p> <ul style="list-style-type: none"> • Sayizi • Muhlovo • Minchumu leyi khungulukaka. • Minchumu leyi rhetemukaka. <p>Migingiriko ya nkongomo</p> <ul style="list-style-type: none"> • Xiya na ku aka minchumu ya mathelo ma3 leyi nyikiweke hi ku tirhisa switirhisiwa swo khomeka tanihi tibuloko to aka, switirhisiwa swo tirhisiwa hi vuntshwa ku suka eka swa khale, tikhiti to aka | <p>Minchumu yo hambanahambana Lemuka na ku vula minchumu ya mathelo ma3 etlilasini.</p> <ul style="list-style-type: none"> • Swivumbeko swa bolo (swirhendzvetutana) • Swivumbeko swa bokisi. (tiphirizimu) • Tisilindara <p>Swihlawulekisi swa minchumu Hlamusela, hlawula ku ya hi swihlawulekisi na ku yelanisa minchumu ya mathelo ma3 ku ya hi :</p> <ul style="list-style-type: none"> • Sayizi • Minchumu leyi khungulukaka. • Minchumu leyi rhetemukaka. <p>Migingiriko ya nkongomo</p> <ul style="list-style-type: none"> • Xiya na ku aka minchumu ya mathelo ma3 leyi nyikiweke hi ku tirhisa switirhisiwa swo khomeka tanihi switsemiwa swa xivumbeko xa mathelo ma2, tibuloko to aka, switirhisiwa swo tirhisiwa hi vuntshwa ku suka eka swa khale, tikhiti to aka, minchumu yin'wana ya xivumbeko xa mathelo ma3 ya xijometri. | <p>Minchumu yo hambanahambana Lemuka na ku vula minchumu ya mathelo ma3 etlilasini na le ka swifaniso.</p> <ul style="list-style-type: none"> • Swivumbeko swa bolo (swirhendzvetutana) • Swivumbeko swa bokisi (tiphirizimu) • Tisilindara • Tiphiramidi • Tikhoni. <p>Swihlawulekisi swa minchumu Hlamusela, hlawula ku ya hi swihlawulekisi na ku yelanisa minchumu ya mathelo ma3 ku ya hi:</p> <ul style="list-style-type: none"> • Swivumbeko swa mathelo ma2 leswi endlaka xikandza xa minchumu ya xivumbeko xa mathelo ma3. • Tindhawu to andlaleka na to gombonyoka. <p>Migingiriko ya nkongomo</p> <ul style="list-style-type: none"> • Xiya na ku aka minchumu ya mathelo ma3 leyi nyikiweke hi ku tirhisa switirhisiwa swo khomeka tanihi switsemiwa swa xivumbeko xa mathelo ma2, vumba, swithavula meno, switiro, minchumu yin'wana ya mathelo ma3 ya xijometri. |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>3.3 Swivumbeko swa mathelo ma2</p> | <p>Lemuka, kombisa na ku vula swivumbeko swa mathlelo mambirhi etilasinini na le ka swifaniso, ku katsa na:</p> <ul style="list-style-type: none"> Mimfungo ya vadyondzi Vito ra Tiliasi | <p>Swivumbeko swa hambanahambana Lemuka na ku vula swivumbeko swa mathelo ma2.</p> <ul style="list-style-type: none"> Swirhendzevutana Tiyinhlharhu Swikwere <p>Swihlawulekisi swa swivumbeko Hlamusela, hlawula ku ya hi swihlawulekisi na ku pimanisa swivumbeko swa mathelo ma2 ku ya hi:</p> <ul style="list-style-type: none"> Sayizi Muhlovo Mathelo yo ololokathwixi Mathelo ya xirhendzevutana | <p>Swivumbeko swa hambanahambana Lemuka na ku vula swivumbeko swa mathelo ma2.</p> <ul style="list-style-type: none"> Swirhendzevutana Tiyinhlharhu Swikwere Tiyinhlamune <p>Swihlawulekisi swa swivumbeko Hlamusela, hlawula ku ya hi swihlawulekisi na ku pimanisa swivumbeko swa mathelo ma2 ku ya hi:</p> <ul style="list-style-type: none"> Sayizi Muhlovo Mathelo yo ololokathwixi Mathelo ya xirhendzevutana | <p>Swivumbeko swa hambanahambana Lemuka na ku vula swivumbeko swa mathelo ma2.</p> <ul style="list-style-type: none"> Swirhendzevutana Tiyinhlharhu Swikwere Tiyinhlamune <p>Swihlawulekisi swa swivumbeko Hlamusela, hlawula ku ya hi swihlawulekisi na ku pimanisa swivumbeko swa mathelo ma2 ku ya hi:</p> <ul style="list-style-type: none"> Xivumbeko Mathelo yo ololokathwixi Mathelo ya xirhendzevutana <p>Dirowa swivumbeko</p> <ul style="list-style-type: none"> Swirhendzevutana Tiyinhlharhu Swikwere Tiyinhlamune |
| <p>3.4 Ndzinganiso</p> | <p>Ndzinganiso</p> <ul style="list-style-type: none"> Lemuka ndzinganiso wa miri ya vona vini | <p>Ndzinganiso</p> <ul style="list-style-type: none"> Lemuka ndzinganiso wa miri ya vona vini. Lemuka na ku dirowa ntila wa ndzinganiso wa swivumbeko swa mathelo ma2 swa xijometiri na swo ka swi nga ri swa xijometiri. | <p>Ndzinganiso</p> <ul style="list-style-type: none"> Lemuka na ku dirowa ntila wa ndzinganiso wa swivumbeko swa mathelo ma2 swa xijometiri na swo ka swi nga ri swa xijometiri. Kuma ntila wa ndzinganiso hi ku petsa phepha na ku tikombisa ka vona | <p>Ndzinganiso</p> <ul style="list-style-type: none"> Lemuka na ku dirowa ntila wa ndzinganiso wa swivumbeko swa mathelo ma2 swa xijometiri na swo ka swi nga ri swa xijometiri. Kuma ntila wa ndzinganiso hi ku petsa phepha na ku tikombisa ka vona |

NKATSAKANYO WA XIYIMO XA MASUNGULO

4. MPIMO

Ku ya emahlweni hi Mpimo

- Ndlandlamuxonkulu eka mpimo lowu kumekaka eka tigiredi hinkwato ku fikeleriwa hi ku dyondzisiwa ro sungula ka:
 - Swivumbeko swintshwa swa mapimelo;
 - Switirhisiwa swintshwa swo pima, ku sunguriwa hi switirhisiwa swo pima swa nkamafundza kutani u ya eka swa mafundza eka tigiredi ta 2 na 3.
 - Tiyunifi tintshwa to pima, ngopfungopfu eka tigiredi ta 2 na 3.
- Mikhakhuleto na ku oloxa xiphiqo xa tinhlayo eka ku pima swi fanele ku tekela enhlokweni ntirho wo dyondzisa tinomboro lowu se wu endlweke.

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| <p>4.1 Nkarhi</p> | <p>Ku famba ka nkarhi Vulavula hi ku famba ka nkarhi.</p> <ul style="list-style-type: none"> • Vulavula hi swilo leswi humelelaka ninhlikanhi na leswi humelelaka nivusiku. • Vadyondzi va longoloxa swiendleko leswi swi va humelelaka ninhlikanhi. • Va longoloxa swiendleko swa ntolovelo leswi humelelaka evuton'wini bya vona. | <p>Ku famba ka nkarhi Vulavula hi ku famba ka nkarhi.</p> <ul style="list-style-type: none"> • Va longoloxa swiendleko swa ntolovelo leswi humelelaka evuton'wini bya vona. • Pimanisa ku leha ka nkarhi hi ku tirhisa ririmi, Xik. Lehe ngopfu, kome ngopfu, hatlisa ngopfu, nonoka ngopfu. • Xaxameta swiendleko hi ku tirhisa ririmi, ku fana na tolo, namuntha, mundzuku. | | |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|-----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4.1 Nkarhi</p> | | <p>Ku vula nkarhi</p> <ul style="list-style-type: none"> Hlamusela leswaku xo karhi xi humelele rini hi ku tirhisa ririmi. Xik mixo, ndzhengha, vusiku, mahlabandlopfu, mpimavayeni Vula na ku xaxameta masiku ya vhiki na tin'hweti ta lembe. Veketela masiku ya ku velekiwa eka khalendara. | <p>Ku vula nkarhi</p> <ul style="list-style-type: none"> Vula na ku xaxameta masiku ya vhiki na tin'hweti ta lembe. Veketela masiku ya ku velekiwa, ku tiangela swa vukhongereri, tiholideyi ta ximfumu, swiendleko swa matimu na swiendleko swa xikolo eka khalendara, Vula nkarhi wa tiawara ta 12 hi ku tirhisa tiawara, tihafu ta tiawara na tikotara ta tiawara. | <p>Ku vula nkarhi</p> <ul style="list-style-type: none"> Hlaya masiku eka khalendara. Veketela masiku ya ku velekiwa, ku tiangela swa vukhongereri, tiholideyi ta ximfumu, swiendleko swa matimu na swiendleko swa xikolo eka khalendara. Vula nkarhi wa tiawara ta 12 hi ku tirhisa <ul style="list-style-type: none"> - tiawara - hafu ya awara - kotara ya awara - timinete <p>eka xikombankarhi xa analogo, xa dijitali na switirhisiwa swin'wana swa dijitali leswi kombaka nkarhi Xik. Selifoni.</p> <p>Khakhuleta vulehi bya nkarhi na ku famba ka nkarhi.</p> <ul style="list-style-type: none"> Tirhisa khalendara ku khakhuleta na ku hlamusela vulehi bya nkarhi hi: <ul style="list-style-type: none"> - Masiku, - Mavhiki - Tin'hweti Ku hundzuluxela exikarhi ka masiku na mavhiki Ku hundzuluxela exikarhi ka mavhiki na tin'hweti. Tirhisa xikombankarhi ku khakhuleta vulehi bya nkarhi hi: <ul style="list-style-type: none"> - tiawara - tihafu ta tiawara - tikotara ta tiawara. |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4.2 Vunavi bya mpfhuka</p> | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanisa na ku xaxameta vunavi bya mpfhuka, vulehi kumbe vuanami bya swilo swimbirhi kumbe ku tlula hi ku swi veka ekusuhi na kusuhi. Tirhisa ririmi ku hlamusela mimpimaniso Xik. Leha ngopfu, koma ngopfu, lehilenyana, anamanyana | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanisa na ku xaxameta vunavi bya mpfhuka, vulehi kumbe vuanami bya swilo swimbirhi kumbe ku tlula hi ku swi veka ekusuhi na kusuhi. Tirhisa ririmi ku hlamusela mimpimaniso Xik. Leha ngopfu, koma ngopfu, lehilenyana, anamanyana Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vulehi u tirhisa mimpimo leyi nga ringanisiwangiki Xik. Vuandlalo bya xandla, magoza, vulehi bya penisele, swo hlayela hi swona. Hlamusela vulehi bya swilo hi ku hlayela na ku hlamusela vulehi hi tiyuniti ta nkamafundza | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vulehi u tirhisa mimpimo leyi nga ringanisiwa ngiki Xik. Byandlalo bya xandla, magoza, vulehi bya penisele, swo hlayela hi swona Hlamusela vulehi bya mpfhuka bya swilo hi ku hlayela kutani a vula leswaku ku ya hi mahlayelelo ya nkamafundza swi lehe ku fika kwihi. | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vulehi u tirhisa mimpimo leyi nga ringanisiwa ngiki Xik. Byandlalo bya xandla, magoza, vulehi bya penisele, swo hlayela hi swona. Hlamusela vulehi bya mpfhuka bya swilo hi ku hlayela kutani a vula leswaku ku ya hi mahlayelelo ya nkamafundza swi lehe ku fika kwihi. |
| | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vulehi u tirhisa mimpimo leyi nga ringanisiwa ngiki Xik. Vuandlalo bya xandla, magoza, vulehi bya penisele, swo hlayela hi swona Hlamusela vulehi bya swilo hi ku hlayela na ku hlamusela vulehi hi tiyuniti ta nkamafundza | <p>Ku dyondzisa ro sungula ku pima ka nkamafundza.</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vulehi u tirhisa timitara (ku nga va swimhandzana swo ringana mitara kumbe xintambhyana xa vulehi bya mitara.) | <p>Ku dyondzisa ro sungula ku pima ka nkamafundza.</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vulehi u tirhisa timitara (ku nga va swimhandzana swo ringana mitara kumbe xintambhyana xa vulehi bya mitara.) tanihi yuniti leyi ringanisiweke ya vulehi. Pimanyeta na ku pima vulehi hi timentimitara va tirhisa rhula. | <p>Ku dyondzisa ro sungula ku pima ka nkamafundza.</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vulehi u tirhisa timitara (ku nga va swimhandzana swo ringana mitara kumbe xintambhyana xa vulehi bya mitara.) tanihi yuniti leyi ringanisiweke ya vulehi. Pimanyeta na ku pima vulehi hi timentimitara va tirhisa rhula. |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <p>4.3 Ntiko</p> <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanisa na ku xaxameta ntiko wa swilo swimbirhi kumbe ku tlula hi ku swi ringetela kunene kumbe a tirhisa xikalu xa ndzinganiso. Tirhisa ririmi ku vulavula hi mpimaniso Xik. Vevuka, tika, vevukanyana, tikanyana. | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda ntiko u tirhisa xikalu xa ndzinganiso na mimpimo ya nkamafundza Xik. Tibuloko, switina Hlamusela ntiko wa swilo hi ku swi hlayela na ku vula ntiko hi tiyuniti ta nkamafundza. Tirhisa ririmi ku vulavula hi mpimaniso Xik. Vevuka, tika, vevukanyana, tikanyana. <p>Ku dyondzisa ro sungula ku pima ka mafundza.</p> <ul style="list-style-type: none"> Pimanisa, xaxameta na ku rhekhoda ntiko wa minchumu leyi pakeriweke ku xaviswa leyi nga na mimpimo leyi tsariweke hi tikhilogiramu Xik. Tikhilogiramu ti2 ta rhayisi, khilogiramu yi1 ya fulawara. Pima ntiko wa yena hi tikhilogiramu hi ku tirhisa xikalu xo pima ntiko wa vanhu. | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda ntiko u tirhisa xikalu xa ndzinganiso na mimpimo ya nkamafundza Xik. Tibuloko, switina Hlamusela ntiko wa swilo hi ku swi hlayela na ku vula ntiko hi tiyuniti ta nkamafundza. Tirhisa ririmi ku vulavula hi mpimaniso Xik. Vevuka, tika, vevukanyana, tikanyana. <p>Ku dyondzisa ro sungula ku pima ka mafundza.</p> <ul style="list-style-type: none"> Pimanisa, xaxameta na ku rhekhoda ntiko wa minchumu leyi pakeriweke ku xaviswa leyi nga na mimpimo leyi tsariweke hi tikhilogiramu Xik. Tikhilogiramu ti2 ta rhayisi, khilogiramu yi1 ya fulawara. Pima ntiko wa yena hi tikhilogiramu hi ku tirhisa xikalu xo pima ntiko wa vanhu. | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda ntiko u tirhisa xikalu xa ndzinganiso na mimpimo ya nkamafundza Xik. Tibuloko, switina Hlamusela ntiko wa swilo hi ku swi hlayela na ku vula ntiko hi tiyuniti ta nkamafundza. Tirhisa ririmi ku vulavula hi mpimaniso Xik. Vevuka, tika, vevukanyana, tikanyana. <p>Ku dyondzisa ro sungula ku pima ka mafundza.</p> <ul style="list-style-type: none"> Pimanisa, xaxameta na ku rhekhoda ntiko wa minchumu leyi pakeriweke ku xaviswa leyi nga na mimpimo leyi tsariweke hi tikhilogiramu Xik. tikhilogiramu ti 2 ta rhayisi na khilogiramu yi1 ya fulawara. tigiramu Xik. Tigiramu ta 500 ta munyu. Pima ntiko wa yena hi tikhilogiramu hi ku tirhisa xikalu xo pima ntiko wa vanhu. (Ku hundzuluxa exikarhi ka tigramu na tikhilogiramu a swi laveki.) | |
| <p>4.4 Vundzeni/ Vholumu</p> <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanisa na ku xaxameta mpimo wa mati(vholumu) eka swikhomelo swimbirhi leswi vekiweke ekusuhi na kusuhi. Vadyondzi va kambisisa hi ku chela eka xikhomelo xa vunharhu loko swi laveka. Pimanyeta u tlhela u xaxameta mpimo wa mati lama nga khomiwaka hi swikhomelo swimbirhi loko swi tatiwile(vundzeni). Tirhisa ririmi ku vulavula hi ku pimanisa Xik. Tala ku tlula, switsongo ka, ehansi ka, tele, ku hava nchumu. | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanisa na ku xaxameta mpimo wa mati(vholumu) eka swikhomelo swimbirhi leswi vekiweke ek 'usuhhi na kusuhi. Vadyondzi va kambisisa hi ku chela eka xikhomelo xa vunharhu loko swi laveka. Pimanyeta u tlhela u xaxameta mpimo wa mati lama nga khomiwaka hi swikhomelo swimbirhi loko swi tatiwile(vundzeni). Tirhisa ririmi ku vulavula hi ku pimanisa Xik. Tala ku tlula, switsongo ka, ehansi ka, tele, ku hava nchumu. | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanisa na ku xaxameta mpimo wa mati(vholumu) eka swikhomelo swimbirhi leswi vekiweke ek 'usuhhi na kusuhi. Vadyondzi va kambisisa hi ku chela eka xikhomelo xa vunharhu loko swi laveka. Pimanyeta u tlhela u xaxameta mpimo wa mati lama nga khomiwaka hi swikhomelo swimbirhi loko swi tatiwile(vundzeni). Tirhisa ririmi ku vulavula hi ku pimanisa Xik. Tala ku tlula, switsongo ka, ehansi ka, tele, ku hava nchumu. | <p>Ku pima ka nkamafundza</p> <ul style="list-style-type: none"> Pimanisa na ku xaxameta mpimo wa mati(vholumu) eka swikhomelo swimbirhi leswi vekiweke ek 'usuhhi na kusuhi. Vadyondzi va kambisisa hi ku chela eka xikhomelo xa vunharhu loko swi laveka. Pimanyeta u tlhela u xaxameta mpimo wa mati lama nga khomiwaka hi swikhomelo swimbirhi loko swi tatiwile(vundzeni). Tirhisa ririmi ku vulavula hi ku pimanisa Xik. Tala ku tlula, switsongo ka, ehansi ka, tele, ku hava nchumu. | |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|--------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4.5 Pherimita na Ndhawu</p> | | <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku u rhekhoda vundzeni bya swikhomelo (mpimo lowu nga khomiwaka hi xikhomelo loko xi tatwile) hi ku tirhisa swipimo swo ka swi nga ringanisiwanga Xik. Malepula na tikhapu. Hlamusela vundzeni bya xikhomelo hi ku hlavela na ku kombisa leswaku i tiyuniti tingani ku ya hi mahlayelelo ya nksmfundza ti tataka xikhomelo Xik.bodhlela ri na vundzeni bya tikhapu ta mune. | <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vundzeni bya swikhomelo (mpimo lowu nga khomiwaka hi xikhomelo loko xi tatwile) hi ku tirhisa swipimo swo ka swi nga ringanisiwanga Xik. Malepula na tikhapu. Hlamusela vundzeni bya xikhomelo hi ku hlavela na ku kombisa leswaku i tiyuniti tingani ku ya hi mahlayelelo ya nkamafundza ti tataka xikhomelo Xik.bodhlela ri na vundzeni bya tikhapu ta mune. <p>Ku dyondzisa ro sungula ku pima ka mafundza.</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vundzeni bya minchumu hi ku pima hi tiilitara, tihafu ta tiilitara na tikotara ta tiilitara Pimanisa, xaxameta na ku rhekhoda vundzeni bya minchumu leyi pakeriweke ku xaviswa leyi vundzeni bya yona byi kombisiweke hi tiilitara Xik.masi ya mpimo wa tiilitara ti2, kholidirinki ya mpimo wa litara yin'we, pende ya mpimo wa tiilitara ta 5. Kumbe yi kombisiweke hi tiilitara Xik. Masi ya mpimo wa timiliilitara ta 500, tikholidirinki ta mpimo wa timiliilitara ta 340, oyili ya mpimo wa timiliilitara ta 750. Tiva leswaku mpimo wa khapu leyi ringanisiweke i timiliilitara ta 250. Tiva leswaku mpimo wa xilepulana lexi ringanisiweke i timiliilitara ta 5. (Ku hundzuluxa exikarhi ka tigramu na tikhilogiramu a swi laveki.) | <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vundzeni bya swikhomelo (mpimo lowu nga khomiwaka hi xikhomelo loko xi tatwile) hi ku tirhisa swipimo swo ka swi nga ringanisiwanga Xik. Malepula na tikhapu. Hlamusela vundzeni bya xikhomelo hi ku hlavela na ku kombisa leswaku i tiyuniti tingani ku ya hi mahlayelelo ya nksmfundza ti tataka xikhomelo Xik.bodhlela ri na vundzeni bya tikhapu ta mune. <p>Ku dyondzisa ro sungula ku pima ka mafundza.</p> <ul style="list-style-type: none"> Pimanyeta, pima, pimanisa, xaxameta na ku rhekhoda vundzeni bya minchumu hi ku pima hi tiilitara, tihafu ta tiilitara na tikotara ta tiilitara Pimanisa, xaxameta na ku rhekhoda vundzeni bya minchumu leyi pakeriweke ku xaviswa leyi vundzeni bya yona byi kombisiweke hi tiilitara Xik.masi ya mpimo wa tiilitara ti2, kholidirinki ya mpimo wa litara yin'we, pende ya mpimo wa tiilitara ta 5. Kumbe yi kombisiweke hi tiilitara Xik. Masi ya mpimo wa timiliilitara ta 500, tikholidirinki ta mpimo wa timiliilitara ta 340, oyili ya mpimo wa timiliilitara ta 750. Tiva leswaku mpimo wa khapu leyi ringanisiweke i timiliilitara ta 250. Tiva leswaku mpimo wa xilepulana lexi ringanisiweke i timiliilitara ta 5. (Ku hundzuluxa exikarhi ka tigramu na tikhilogiramu a swi laveki.) |
| | | | | <p>Pherimita Lavisisa mpfhuka wo rhendzeleka wa swivumbeko swa mathelo ma2 na minchumu ya mathelo ma3 hi ku tirhisa ku pimanisa ko kongoma kumbe tiyuniti ta nkamafundza.</p> <p>Ndhawu Lavisisa ndhawu hi ku tirhisa tithayili.</p> |

NKATSAKANYO WA XIYIMO XA MASUNGULO
5. MATIRHISELO YA VUXOKOXOKO BYA TINHLAYO

Ku ya emahlweni hi Matirhiselo ya Vuxokoxoko bya Tinhlayo

- Ndlamlamuxonkulu wa ku yisa emahlweni Matirhiselo ya Vuxokoxoko bya Tinhlayo lebyi katsaka tigiredi yi fikeleriwa hi:
 - Ku suka eka ku tirha hi minchumu ku ya eka ku tirha hi vuxokoxoko bya tinhlayo; na
 - Ku tirhana na swivumbeko swintshwa swa vuxokoxoko bya tinhlayo.
- Vadyondzi va fanele ku endla sayikili yo helela ya vuxokoxoko bya tinhlayo ku tiula kan'we hi lembe- leswi swi katsa ku hlengeleta na ku lulamisa vuxokoxoko bya tinhlayo, ku yimela vuxokoxoko bya marito, ku xopaxopa, ku hlamusela, na ku vika vuxokoxoko bya tinhlayo tanihi migingiriko ya le tlhelo.
- Swin'wana swa swiphemu swa Matirhiselo ya Vuxokoxoko bya Tinhlayo lebyi nga laha henhla byi nga ha endliwa tanihi migingiriko leyi hambanisiweke

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| 5.1 Hlengeleta na ku hlawula minchumu ku ya hi swihlawulekisi. | Hlengeleta u tlhela u lulamisa minchumu Hlengeleta u tlhela u hlawula minchumu leyi khomekaka ya masiku hinkwayo | Hlengeleta u tlhela u lulamisa minchumu Hlengeleta u tlhela u hlawula minchumu leyi khomekaka ya masiku hinkwayo | | |
| 5.2 Veketela nhlengelo wa minchumu leyi hlawuriweke. | Veketela nhlengelo wa minchumu leyi hlawuriweke Dirowa xifaniso xa minchumu leyi hlengeletsiweke. | Veketela minchumu leyi hlawuriweke Dirowa xifaniso xa minchumu leyi hlengeletsiweke. | | |
| 5.3 Kanela na ku vika nhlengelo wa minchumu leyi hlawuriweke. | Kanela na ku vika nhlengelo wa minchumu leyi hlawuriweke. Hlamula swivutiso hi: • Ndelela leyi minchumu yi hlawuriweke hi yona. • Ku dirowa nhlengelo wa minchumu leyi ku hlawuriweke eka wona. | Kanela na ku vika hi minchumu leyi hlawuriweke. • Nyika swivangelo swa ndlela leyi tirhisiweke yo hlawula ku ya hi swihlawulekisi • Hlamula swivutiso hi: - Ndelela leyi minchumu yi hlawuriweke hi yona(magoza). - Leswi nhlengelo wa leswi hlawuriweke wu langutekisaka xiswona (swikumiwa) • Hlamusela nhlengelo wa minchumu leyi hlawuriwaka na /na ku dirowa • Hlamusela leswi nhlengelo wu hlawuriweke xiswona | | |

| TINHLOKOMHAKA | GIREDI YA V | GIREDI YA 1 | GIREDI YA 2 | GIREDI YA 3 |
|-------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5.4 Hlengeleta na ku lulamisa vuxokoxoko bya tinhlayo.</p> | | <p>Hlengeleta na ku lulamisa vuxokoxoko bya tinhlayo.</p> <ul style="list-style-type: none"> Hlengeleta vuxokoxoko bya tinhlayo bya tllasi kumbe xikolo ku hlamula swivutiso swa mudyondzisi. | <p>Hlengeleta na ku lulamisa vuxokoxoko bya tinhlayo.</p> <ul style="list-style-type: none"> Hlengeleta vuxokoxoko bya tinhlayo bya tllasi kumbe xikolo ku hlamula swivutiso swa mudyondzisi. | <p>Hlengeleta na ku lulamisa vuxokoxoko bya tinhlayo.</p> <ul style="list-style-type: none"> Hlengeleta vuxokoxoko bya tinhlayo bya tllasi kumbe xikolo ku hlamula swivutiso swa mudyondzisi. Lulamisa vuxokoxoko bya tinhlayo lebyi nyikiweke hi mudyondzisi kumbe Buku yo tirhela eka yona/ buku ya mudyondzi. Lulamisa vuxokoxoko bya tinhlayo hi: <ul style="list-style-type: none"> - Minongonoko. - Mimpfungu ya thali. - Matafula. |
| <p>5.5 Veketela vuxokoxoko bya tinhlayo</p> | | <p>Veketela vuxokoxoko bya tinhlayo</p> <ul style="list-style-type: none"> Veketela vuxokoxoko bya tinhlayo byi va eka girafu ya xifaniso. Kongomisa eka tigrarafu ta swifaniso laha nchumu wu yimelaka tinomboro | <p>Veketela vuxokoxoko bya tinhlayo</p> <ul style="list-style-type: none"> Veketela vuxokoxoko bya tinhlayo byi va eka girafu ya xifaniso. Kongomisa eka tigrarafu ta swifaniso laha nchumu wu yimelaka tinomboro | <p>Veketela vuxokoxoko bya tinhlayo</p> <ul style="list-style-type: none"> Veketela vuxokoxoko bya tinhlayo <ul style="list-style-type: none"> - Girafu ya xifaniso (kongomisa eka tigrarafu ta swifaniso laha nchumu wu yimelaka tinomboro) - Girafu ya bara |
| <p>5.6 Xopaxopa na ku hlamusela vuxokoxoko bya tinhlayo.</p> | | <p>Xopaxopa na ku hlamusela vuxokoxoko bya tinhlayo.</p> <p>Hlamula swivutiso hi vuxokoxoko bya tinhlayo lebyi nga eka girafu ya xifaniso.</p> <ul style="list-style-type: none"> Kongomisa eka tigrarafu ta swifaniso laha nchumu wu yimelaka tinomboro | <p>Xopaxopa na ku hlamusela vuxokoxoko bya tinhlayo.</p> <p>Hlamula swivutiso hi vuxokoxoko bya tinhlayo lebyi nga eka girafu ya xifaniso.</p> <ul style="list-style-type: none"> Kongomisa eka tigrarafu ta swifaniso laha nchumu wu yimelaka tinomboro | <p>Xopaxopa na ku hlamusela vuxokoxoko bya tinhlayo.</p> <p>Hlamula swivutiso hi vuxokoxoko bya tinhlayo lebyi nga eka girafu ya xifaniso.</p> <ul style="list-style-type: none"> Girafu ya xifaniso (kongomisa eka tigrarafu ta swifaniso laha nchumu wu yimelaka tinomboro) Girafu ya bara |

3.3 NHLAMUSELO YA VUNDZENI BYA DYONDZO

Eka xiyenge lexi xo hlamusela vundzeni bya dyondzo, vadyondzisi va nyikiwile:

- nkatsakanyo wa kotara wa Giredi ya V ku fika eka 3;
- ndzandzelelano lowu ringanyetiweke wa tinhlokomhaka eka tikotara: A hi swiyenge hinkwaswo swa tinhlokomhaka swi dyondzisiwaka eka kotara yin'wana na yin'wana; swiyenge swin'wana swa tinhlokomhaka tin'wana swi fanele swi dyondzisiwa ku nga si dyondzisiwa swiyenge leswin'wana swa tinhlokomhaka teto;
- nkarhi lowu ringanyetiweke wa tinhlokomhaka hi lembe. Tanihiloko swiyenge swin'wana swa vundzeni swi lava nkarhi wo tala ku tlula swin'wana, swi tano na le ka tin'wana tinhlokomhaka; na
- tinotsi to hlamusela na swiletelo swo dyondzisa leswi nga na swikombiso laha swi faneleke.

Xiyenge xin'wana na xin'wana xa vundzeni xi avanyisiwile hi tinhlokomhaka. Swiyenge hinkwaswo swa vundzeni swi fanele swi dyondzisiwa kotara yin'wana na yin'wana. Ku landzelelanisa tinhlokomhaka hi tikotara swi nyika miehleketo ya leswi tinhlokomhaka ti nga andlarisiwa xiswona no pfuxetisiwa xiswona lembe hinkwaro. A hi swa nkoka ku dyondzisa tinhlokomhaka hinkwato ta Ndhawu na Xivumbeko, Mpimo na Matirhiselo ya Vuxokoxoko bya Tinhlayo kotara yin'wana na yin'wana. Hambiswiritano, tinhlokomhaka hinkwato ti fanele ku dyondzisiwa hi lembe.

Eka Xiyenge xa 2 (ndzimana ya 2.6) ntikelo wa vundzeni bya dyondzo wu nyikiwile. Loko leswi swi hlenganisiwa na tiawara leti nga kona hi lembe, u nga khakhuleta tiawara leti pimiweke ta swiyenge swa vundzeni bya dyondzo yin'wana na yin'wana.

Vadyondzisi va nga hlawula ku landzelerisa (kumbe ku xaxameta) na ku pima vundzeni ku suka eka swibumabumelo swa kavanyisa loku. Vadyondzisi va nga ha cinca nkarhi lowu ringanyeteriweke tinhlokomhaka katsongo. Hambiswiritano, vuxaka bya ntikelo na tiawara leti pimiweke ta swiyenge swa vundzeni bya tidyondzo ta Xiyimo xa Masungulo swi fanele ku tekeriwa enhlokweni eka Matematiki.

- Matematiki wa **Giredi ya V** wu hi xivumbeko xa matematiki wa masungulo, hikokwalaho a wu aviwanga ku ya hi nkarhi wa tidyondzontsongo. Mudyondzisi wa Giredi ya V u fanele ku lukelela matematiki eka migingiriko ya siku na siku ya vadyondzi, hambileswi ku faneleke ku vekiwa nkarhi hi siku laha mudyondzisi a kongomisaka ntsena eka migingiriko ya matematiki, handle ka swona vadyondzi va nge lemuki hambu ku ri ku ndlandlamuxa minongoti na vuswikoti lebyi lavekaka bya Matematiki.
- Eka tiGiredi ta 1 – 3 nkarhi wu aviwile hi ndlela leyi:
 - **Nkombo wa tiawara ti fanele ku tirhiseriwa Matematiki hi vhiki** (10 wa mavhiki x 4 wa tikotara x 7 wa tiawara = 280 wa tiawara hi lembe)
 - Dyondzontsongo yin'wana na yin'wana ya Matematiki yi fanele yi va **awara yi1 na 24 wa timinete hi siku eka tiGiredi ta 1 ku fika 3**
 - Leswi vulaka leswaku ku na tikotara ta mune leti nga na 10 wa mavhiki ya nga na ntlhanu wa tidyondzontsongo hi vhiki (Musumbhunuku ku fika Ravuntlhanu)
 - Pfumelela vhiki ra ndzetelo na nkatsakanyo loko ku sungula kotara yin'wana na yin'wana, tanihileswi vadyondzi lavatsongo va talaka ku rivala leswi va swi dyondzeke loko va ya eka tiholideyi naswona va tlhela va huma eka moya wa swa xikolo Emakumu ka kotara yin'wana na yin'wana nyika vhiki ro tiyisisa minongoti. Leswi hi nyika wa tidyondzontsongo.

3.4 KU LANDZELERISA NA KU PIMA VUNDZENI BYA DYONDZO

Matafula lawa ya landzelaka ya nyikiwile giredi yin'wana na yin'wana eka Giredi ya V -3:

- Ku veketela tinhlokomhaka na ku pima nkarhi eka lembe. (swi komba ku hangalasiwa ka tinhlokomhaka eka tikotara hinkwato na ku bumabumela nkarhi lowu faneleke ku tirhisiwa eka nhlokomhaka yin'wana na yin'wana ya xiyenge xin'wana na xin'wana xa Vundzeni bya dyondzo)
- Ku landzelelanisa tinhlokomhaka na ku pima nkarhi eka lembe (swi komba leswi tinhlokomhaka ti nga andlarisiwa xiswona na ku yisa emahlweni vundzeni bya dyondzo na vuswikoti eka tikotara hinkwato)
- Tinotsi to hlamusela ku ya hi nhlokomhaka – matafula lawa ya nyika nhlamuselo ya vundzeni bya dyondzo na swiletelo swo dyondzisa eka nhlokomhaka yin'wana na yin'wana tanihilaha ti landzelelanisiweke hakona eka tikotara hinkwato.

Nkunguhato wa dyondzontsongo – Maavelo ya tinhlokomhaka hi kotara

Eka Matematiki wa Xiyimo xa Masungulo, nhlokomhaka ya Tinomboro hi yona ya nkoka swinene. Nkarhi wo tala eka vhiki, kotara na lembe rin'wana na rin'wana wu kongomisiwe eka Tinomboro Tioparexini na Vuxaka. Tidyondzontsongo ta Matematiki ti fanele ku kongomisiwa eka Tinomboro Tioparexini na Vuxaka vhiki rin'wana na rin'wana kanharhu kumbe ku tlula hi avhareji. Nkarhi lowu salaka wu averiwa swiyenge leswin'wana swa vundzeni bya dyondzo.

Ndhawu na Xivumbeko na Mpimo swi lava nkarhi wo tala ku tlula Matirhiselo ya Vuxokoxoko bya Tinhlayo na Tipatironi, Tifankixini na Alijebura. Matafula lawa ya nga laha hansi ya komba nhlayo ya tidyondzontsongo leyi faneleke ku averiwa xiyenge xin'wana na xin'wana xa vundzeni na nhlokomhaka ya giredi yin'wana na yin'wana eka Tipatironi, Tifankixini na Alijebura, Ndhawu, Ndhawu na Xivumbeko, Mpimo na Matirhiselo ya Vuxokoxoko bya Tinhlayo:

- Maavelo ya swiyenge swa vundzeni na tinhlokomhaka eka tidyondzontsongo ta Giredi ya V

Tanihleswi Matematiki wa **Giredi ya V** wu nga hi xivumbeko xa **Matematiki wa masungulo**, nkarhi lowu ringanyetiweke wu kongomisiwe eka swiphemu swa matematiki na ku nghenelelana ka migingiriko ya nkamafundza. Leswi endla leswaku ku dyondzisiwa vundzeni hinkwabyo lebyi nga kona. Migingiriko ya **Matematiki wa masungulo** ku nga va ku hlayela tipuleti na timagi to veka swibamarha swa vona, ntlangu wo hlayela lowu va wu tlangaka ehandle, mintlangu yo tlangiwa endzeni tani hi wa tidomino na swiphazamiso swo vumba minchumu kumbe swivumbeko na sw. na sw. Mudyondzisi u fanele ku lulamisa migingiriko hinkwayo ku ya hi swilaveko swa vadyondzi va yena na switirhisiwa leswi nga kona etlilasini.

Ndhawu na Xivumbeko i xiphemu xa nkoka xo ndlandlamuxa Matematiki ya mudyondzi lontsongo, naswona xi fanele ku va kona evhikini, laha nkongomo wu nga le ka swin'wana swiphemu ehansi ka vulawuri bya mudyondzisi, na nkarhi wo tala wo aka, ku tlanga hi mati na misava hi vadyondzi.

Mpimo wu fanele ku nghenisiwa eka migingiriko yo hlayela, xik. Ku pimanyeta na ku hlayela loko ku pimiwa mimpfuka hi mavoko, mikondzo na magoza.

Rhijisitara ro komba matelo ya vadyondzi exikolweni na chati ya ta maxelo swi nyika nkarhi wa kahle wo tirha hi **Matirhiselo ya Vuxokoxoko bya Tinhlayo**.

Tafula 3.1: Nkarhi lowu averiweke ku ya hi xiyenge xa vundzeni hi vhiki

| Xiyenge xa vundzeni | Tinhlokomhaka | Nkarhi lowu ringanyetiweke |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Tinomboro, Tioparexini na Vuxaka | Ku hlalala Ndzemuko wa nomboro Kombisa na ku hlamusela tinomboroxiheri Ntwisiso wa nomboro Ku ololoxa swiphiso swa tinhlayo | 120 wa timinete |
| Tipatironi, Tifankixini na Alijebura | Kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta vona vini | 80 wa timinete |
| Ndhawu na Xivumbeko (Jometiri) | Lemuka, kombisa na ku vula swivumbeko/swifaniso swa mathelo ma2 Swivumbeko swa xijometiri Aka minchumu ya mathelo ma3 ku tirhisiwa switirhisiwa swo khomeka Vuxaka bya ndhawu Mathelo ya xinene na ya ximatsi | 80 wa timinete |
| Mpimo | Nkarhi Vulehi Ntiko Vundzeni | 80 wa timinete |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | Hlengelela, ava ku ya hi swihlawulekisi, dirowa, hlaya na ku veketela vuxokoxoko bya tinhlayo | 60 wa timinete |
| NTSENGO | | 420 wa timinete (Tiawara ti 7 hi vhiki) |

- Ku ava swiyenge swa vundzeni bya dyondzo na tinhlokomhaka eka tidyondzontsongo ta Giredi ya 1 ku fika eka ya 3

Tidyondzontsongo tinharhu hi avhareji (h.l. exikarhi ka 4 na $4\frac{1}{2}$ wa tiawara) hi vhiki ti tirhisiwa eka Tinomboro, Tioparexini na Vuxaka eka tiGiredi ta 1,2 na 3. Tidyondzontsongo timbirhi leti salaka (h.l exikarhi ka $2\frac{1}{2}$ na 3 wa tiawara) ta hambanisiwa ti nghena eka tinhlokomhaka ta swiyenge swin'wana swa vundzeni hi ndlela leyi bumabumeriweke laha hansi.

Tafula 3.2: Nhlayo leyi bumabumeriweke ya tidyondzontsongo ku ya hi swiyenge swa vundzeni bya dyondzo hi kotara eka Giredi ya 1

| XIYENGE XA VUNDZENI | NHLOKOMHAKA | Nomboro ya tidyondzontsongo | | | | |
|-----------------------------------------------|------------------------------------------------------------------------------------|-----------------------------|-------------|-------------|-------------|------------|
| | | Kotara ya 1 | Kotara ya 2 | Kotara ya 3 | Kotara ya 4 | Ntsengo |
| Tinomboro, Tioparexini na Vuxaka | Tinhlokomhaka hinkwato ta Tinomboro, Tioparexini na Vuxaka | 22 | 30 | 28 | 25 | 105 |
| Tipatironi, Tifankixini na Alijebura | Tipatironi ta Tinomboro | 3 | 3 | 3 | 3 | 12 |
| | Tipatironi ta Xijometiri | 1 | 1 | 1 | 1 | 4 |
| Ndhawu na Xivumbeko (Jometiri) | Swivumbeko swa mathelo ma2 | | 3 | | 3 | 6 |
| | Minchumu ya mathelo ma3 | 3 | | 2 | 1 | 6 |
| | Xiyimo, Ndzetelo na Mathelo | 2 | | | 1 | 3 |
| | Ndzinganiso | | | 1 | 1 | 2 |
| Mpimo | Nkarhi | 2 | | | | 2 |
| | Vunavi bya mpfhuka | 2 | | 2 | | 4 |
| | Ntiko | 2 | | | 2 | 4 |
| | Vholumo /vundzeni | 1 | 2 | | 1 | 4 |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | Ku hlengelela, ku ava ku ya hi swihlawulekisi, ku veketela na ku xopaxopa minchumu | 2 | 1 | | | 3 |
| | Ndzhendzeleko wa vuxokoxoko bya tinhlayo lebyi heleleke | | | 3 | | 3 |
| | Swiphemu swa ndzhendzeleko wa vuxokoxoko bya tinhlayo | | | | 2 | 2 |
| Ntsengo wa tidyondzontsongo | | 40 | 40 | 40 | 40 | 160 |

Tafula ra 3.3: Nhlayo leyi bumabumeriweke ya tidyondzontsongo ku ya hi xiyenge xa vundzeni bya dyondzo hi kotara eka Giredi ya 2

| Xiyenge xa vundzeni | Nhlokomhaka | Ntsengo wa tidyondzontsongo | | | | Ntsengo |
|-----------------------------------------------|------------------------------------------------------------|-----------------------------|-------------|-------------|-------------|------------|
| | | Kotara ya 1 | Kotara ya 2 | Kotara ya 3 | Kotara ya 4 | |
| Tinomboro, Tioparexini na Vuxaka | Tinhlokomhaka hinkwato ta Tinomboro, Tioparexini na Vuxaka | 24 | 25 | 24 | 26 | 99 |
| Tipatironi, Tifankixini na Alijebura | Tipatironi ta Tinomboro | 3 | 3 | 3 | 3 | 12 |
| | Tipatironi ta Xijometiri | 1 | 1 | 1 | 1 | 4 |
| Ndhawu na Xivumbeko (Jometiri) | Swivumbeko swa matlhelo ma2 | | 3 | | 3 | 6 |
| | Minchumu ya matlhelo ma3 | 3 | | 2 | 1 | 6 |
| | Xiyimo, Ndzetelo na Matlhelo | | 2 | 1 | | 3 |
| | Ndzinganiso | | 1 | | 1 | 2 |
| Mpimo | Nkarhi | 3 | 1 | 3 | 1 | 8 |
| | Vunavi bya mpfhuka | 3 | | | 1 | 4 |
| | Ntiko | | 3 | | 1 | 4 |
| | Vundzeni/ Vholumo | | | 3 | 1 | 4 |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | Ndzhendzeleko wa vuxokoxoko bya tinhlayo lebyi heleleke | 3 | | 3 | | 6 |
| | Swiphemu swa ndzhendzeleko wa vuxokoxoko bya tinhlayo | | 1 | | 1 | 2 |
| Ntsengo wa tidyondzontsongo | | 40 | 40 | 40 | 40 | 160 |

Tafula ra 3.4: Nhlayo leyi bumabumeriweke ya tidyondzontsongo ku ya hi xiyenge xa vundzeni bya dyondzo hi kotara eka Giredi ya 3

| Xiyenge xa vundzeni | Nhlokomhaka | Ntsengo wa tidyondzontsongo | | | | Ntsengo |
|-----------------------------------------------|------------------------------------------------------------|-----------------------------|-------------|-------------|-------------|------------|
| | | Kotara ya 1 | Kotara ya 2 | Kotara ya 3 | Kotara ya 4 | |
| Tinomboro, Tioparexini na Vuxaka | Tinhlokomhaka hinkwato ta Tinomboro, Tioparexini na Vuxaka | 26 | 22 | 19 | 27 | 94 |
| Tipatironi, Fankixini na Alijebura | Tipatironi ta Tinomboro | 3 | 3 | 3 | 3 | 12 |
| | Tipatironi ta Xijometiri | 1 | 1 | 1 | 1 | 4 |
| Ndhawu na Xivumbeko (Jometiri) | Swivumbeko swa matlhelo ma2 | 2 | | 2 | | 4 |
| | Minchumu ya matlhelo ma3 | | 3 | 3 | 1 | 7 |
| | Xiyimo, Ndzetelo na Matlhelo | | 2 | 3 | | 5 |
| | Ndzinganiso | | 2 | | 1 | 3 |
| Mpimo | Nkarhi | 3 | 2 | 3 | 2 | 10 |
| | Vunavi bya mpfhuka | | 2 | 2 | | 4 |
| | Ntiko | | 2 | | 1 | 3 |
| | Vutato/vholumo | 2 | | | 1 | 3 |
| | Pherimita | | | 1 | | 1 |
| | Vuandlalo | | | | 2 | 2 |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | Ndzhendzeleko wa vuxokoxoko bya tinhlayo lebyi heleleke | 3 | | 3 | | 6 |
| | Swiphemu swa ndzhendzeleko wa vuxokoxoko bya tinhlayo | | 1 | | 1 | 2 |
| Ntsengo wa tidyondzontsongo | | 40 | 40 | 40 | 40 | 160 |

- Nkatsakanyo wa Giredi ya V hi kotara

NKATSAKANYO WA GIREDI YA V
1. TINOMBORO, TIOPAREXINI NA VUXAKA BYA TINOMBORO

| KU HLAYELA | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
| <p>1.1</p> <p>Ku hlayela minchumu</p> <p>(Pimanyeta na ku hlayela minchumu ku ndlandlamuxa ntwisiso wa tinomboro)</p> | <p>Vunavi bya tinomboro ta: 1-5</p> <ul style="list-style-type: none"> Nchumu lowu yimelaka nomboro <p>Dyondzisa ro sungula Chati ya Vapfuni na ndzandzelelano lowu swakudya swi nga ta phameriwa ha wona</p> <ul style="list-style-type: none"> Hlayela hi va n'we: <ul style="list-style-type: none"> Switirhisiwa leswi khomekaka swo dyondzisa hi swona Swirho swa miri Ku phokotela mavoko Ku gima ehansi hi mikondzo Ku khandziya switepisi Ku hlayela hi ku swi bela enhlokweni ku tirhisiwa swinsin'wana swa tinomboro na tinsimu | <p>Vunavi bya tinomboro ta: 1-7</p> <ul style="list-style-type: none"> Nchumu lowu yimelaka nomboro <p>Tiyisisa chati ya vapfuni siku na siku</p> <ul style="list-style-type: none"> Hlayela hi va n'we: <ul style="list-style-type: none"> Switirhisiwa leswi khomekaka swo dyondzisa hi swona Swirho swa miri Ku phokotela mavoko Ku gima ehansi hi mikondzo Ku khandziya switepisi Ku hlayela hi ku swi bela enhlokweni swinsin'wana swa tinomboro na tinsimu Phokotela ko tala / kutsongo: | <p>Vunavi bya tinomboro ta: 1 - 10</p> <ul style="list-style-type: none"> Nchumu lowu yimelaka nomboro <p>Tiyisisa chati ya vapfuni siku na siku</p> <ul style="list-style-type: none"> Hlayela hi va n'we: <ul style="list-style-type: none"> Switirhisiwa leswi khomekaka swo dyondzisa hi swona Swirho swa miri Ku phokotela mavoko Ku gima ehansi hi mikondzo Ku khandziya switepisi Ku hlayela hi ku swi bela enhlokweni swinsin'wana swa tinomboro na tinsimu Phokotela ko tala / kutsongo: hi kwihi ku phokotela loku nga tala/ kutsongo/ tala ngopfu / ku tsongo ngopfu | <p>Vunavi bya tinomboro ta: 0 to 10</p> <ul style="list-style-type: none"> Nchumu lowu yimelaka nomboro <p>Tiyisisa chati ya vapfuni siku na siku</p> <ul style="list-style-type: none"> Hlayela hi van'we <ul style="list-style-type: none"> Switirhisiwa leswi khomekaka swo dyondzisa hi swona Swirho swa miri Ku phokotela mavoko Ku gima ehansi hi mikondzo Ku khandziya switepisi Ku hlayela hi ku swi bela enhlokweni: <ul style="list-style-type: none"> swinsin'wana swa tinomboro na tinsimu Phokotela ko tala / kutsongo: hi kwihi ku phokotela loku nga tala/ kutsongo/ ko tala ngopfu/ku tsongo ngopfu |
| <p>1.2</p> <p>Ku hlayela emahlweni na le ndzhaku</p> | <p>Vunavi bya tinomboro ta: 1</p> <p>Ku hlayela ko ka ku nga kunguhatiwangi ku tirhisiwa swinsin'wana swa tinomboro na tinsimu, minchumu ya mathelo ma3, ku hlayela hi ku fambafambisa miri</p> <p>Hlayela hi:</p> <ul style="list-style-type: none"> va n'we | <p>Vunavi bya tinomboro ta: 1 ku fika ka 4</p> <p>Ku hlayela ko ka ku nga kunguhatiwangi ku tirhisiwa swinsin'wana swa tinomboro na tinsimu, minchumu ya mathelo ma3, ku hlayela hi ku fambafambisa miri</p> <p>Hlayela hi:</p> <ul style="list-style-type: none"> va n'we | <p>Vunavi bya tinomboro ta: 1 ku fika ka 7</p> <p>Ku hlayela ko ka ku nga kunguhatiwangi ku tirhisiwa swinsin'wana swa tinomboro na tinsimu, minchumu ya mathelo ma3, ku hlayela hi ku fambafambisa miri na lerha ra tinomboro</p> <p>Hlayela hi:</p> <ul style="list-style-type: none"> va n'we | <p>Vunavi bya tinomboro ta: 0 ku fika ka 10</p> <p>Ku hlayela ko ka ku nga kunguhatiwangi ku tirhisiwa swinsin'wana swa tinomboro na tinsimu, minchumu ya mathelo ma3, ku hlayela hi ku fambafambisa miri na lerha ra tinomboro</p> <p>Hlayela hi:</p> <ul style="list-style-type: none"> va n'we va mbirhi |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.3 Mimfungo ya tinomoro na mavito ya tinomoro</p> <p>(Ku lemuka na ku komba mimfungo ya tinomoro na ku lemuka mavito ya tinomoro)</p> | <p>Vunavi bya tinomoro:</p> <ul style="list-style-type: none"> Mimfungo ya tinomoro: 1 Mavito ya tinomoro: n'we Ku dyondza hi ku tirhisa swirho (va tokota hi miri) Minchumu yo khomeka ya mathelo ma3 leyi nghanisaka nomoro 1. Minchumu yo ka yi nga hetisekangi na makhadi ya swifaniso lama nghanisaka nomoro ya 1. Minchumu yo ka yi nga hetisekangi na makhadi ya mathonsi lama nghanisaka nomoro ya 1. Ku tiyisisa vutivi lebyi kumiweke bya nomoro 1. | <p>Vunavi bya tinomoro:</p> <ul style="list-style-type: none"> Mimfungo ya tinomoro: 2-4 Mavito ya tinomoro ta: mbirhi, nharhu, mune. Ku dyondza hi ku tirhisa swirho (Va tokota hi miri) Minchumu yo khomeka ya mathelo ma3 leyi nghanisaka tinomoro ta 2, 3 na 4. Minchumu yo ka yi nga hetisekangi na makhadi ya swifaniso lama nghanisaka nomoro ya 2,3 na 4 Minchumu yo ka yi nga hetisekangi na makhadi ya mathonsi lama nghanisaka nomoro ya 2, 3 na 4. Ku tiyisisa vutivi lebyi kumiweke bya tinomoro ta 1 ku fika eka 4. | <p>Vunavi bya tinomoro:</p> <ul style="list-style-type: none"> Mimfungo ya tinomoro: 5-7 Mavito ya tinomoro ta: ntlhanu, tsevu, nkombo Ku dyondza hi ku tirhisa swirho (Va tokota hi miri) Minchumu yo khomeka ya mathelo ma3 leyi nghanisaka tinomoro ta 5, 6 na 7. Minchumu yo ka yi nga hetisekangi na makhadi ya swifaniso lama nghanisaka nomoro ya 5,6 na 7 Minchumu yo ka yi nga hetisekangi na makhadi ya mathonsi lama nghanisaka nomoro ya 5, 6 na 7 Ku tiyisisa vutivi lebyi kumiweke bya tinomoro ta 1 ku fika eka 7. | <p>Vunavi bya tinomoro:</p> <ul style="list-style-type: none"> Mimfungo ya tinomoro: 0 ku fika ka 10 Mavito ya tinomoro ta: ziro,nhungu kaye, khume, Ku dyondza hi ku tirhisa swirho (Va tokota hi miri) Minchumu yo khomeka ya mathelo ma3 leyi nghanisaka tinomoro ta 0,8,9,10 Minchumu yo ka yi nga hetisekangi na makhadi ya swifaniso lama nghanisaka nomoro 0,8,9, na 10 Minchumu yo ka yi nga hetisekangi na makhadi ya mathonsi lama nghanisaka nomoro 0,8,9 na 10 Ku tiyisisa vutivi lebyi kumiweke bya tinomoro ta 0 ku fika eka 10. |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>NDZEMUKO WA TINOMBORO</p> <p>1.4 Ku hlamusela, pimanisa na ku xaxameta tinomboro (Tirhisa tinomboro eka mbangu lowu nga toloveleka)</p> | <p>Ku tirhisa tinomboro eka mbangu lowu nga toloveleka</p> <ul style="list-style-type: none"> Mudyondzi u fanele ku tiva vukhale bya yena Ku tatiwa ka rhejisitara ra siku na siku. Tirhisa tindlela to hambana to endla rhjisitara ra siku na siku.xik. Xana mudyondzi loyi a nga na mfungho / xifaniso xa ayisikhirimi u kona namuntha ke? Xana mudyondzi loyi va nge hi yena Siphon Chauke u kona namuntha naa? Loyi wa xivongo xa Makhubele u kona namuntha naa? Komba tinomboro leti nga eka makhadi ya swifaniso na ya mathonsi Tlangu ntlangu wa makhadi ya tinomboro | <p>Ku tirhisa tinomboro eka mbangu lowu nga toloveleka</p> <ul style="list-style-type: none"> Mudyondzi u fanele ku tiva nomboro ya yindlu ya ka vona na adirese Ku tiyisa ku tirhiwa ka tinomboro hi ku endla rhjisitara siku na siku tanihi le ka kotara yo sungula xik. Xana mudyondzi loyi a tshamaka endlwini ya nomboro 123 u kona namuntha? Xana mudyondzi loyi a tshamaka e 123 exitaratini xa Wendy u kona namuntha? Xana mudyondzi wa nomboro ya riqingho/selula ya 0821234567 u kona namuntha? Komba tinomboro leti nga eka makhadi ya swifaniso na ya mathonsi Tlangu ntlangu wa makhadi ya tinomboro Komba tinomboro leti nga eka swinavetiso/fulayara, makhadi ya khale ya masiku yo velekiwa na sw. | <p>Ku tirhisa tinomboro eka mbangu lowu nga toloveleka</p> <ul style="list-style-type: none"> Mudyondzi u fanele ku tiva tinomboro ta foni na / kumbe nomboro ya selula (nomboro ya vuthlanganisi ya mutswari ya le kaya na ta vatswari va yena.) Ku tiyisa ku tirhiwa ka tinomboro hi ku endla rhjisitara siku na siku tanihi le ka kotara yo sungula xik. Xana u kona mudyondzi loyi a tiangelaka siku ra yena ro velekiwa hi ti 16 Nyenyankulu namuntha? na sw. na sw Komba tinomboro leti nga eka makhadi ya swifaniso na ya mathonsi Tlangu ntlangu wa makhadi ya tinomboro Komba tinomboro leti nga eka swinavetiso/fulayara, makhadi ya khale ya masiku yo velekiwa na sw. | <p>Ku tirhisa tinomboro eka mbangu lowu nga toloveleka</p> <ul style="list-style-type: none"> Ku tiyisa vutivi bya vukulu bya malembe, nomboro ya yindlu, adirese, riqingho ra le kaya na nomboro ya selula (nomboro ya vuthlanganisi) Ku tiyisa ku tirhiwa ka tinomboro hi ku endla rhjisitara siku na siku tanihi le ka kotara yo sungula xik. I vadyondzi vangani lava nga riki kona namuntha? Xana hi nga swi kumisa ku yini? Vadyondzi va swi kana swin'we. Kumbetela Hlayela tiokhari to ka ti nga ri na nchumu; Hlayela switulu swo ka swi nga ri na nchumu na sw. sw Komba tinomboro leti nga eka makhadi ya swifaniso na ya mathonsi Tlangu ntlangu wa makhadi ya tinomboro Komba tinomboro leti nga eka swinavetiso/fulayara, makhadi ya khale ya masiku yo velekiwa na sw. Komba tinomboro eka timagazini |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>NTWISISO WA TINOMBORO (NA VUXAKA BYA TONA)</p> | | | | |
| <p>1.4 Ku hlamusela, pimanisa na ku xaxameta tinomboro (Ku komba na ku hlamusela tinomboroxiheri)</p> | <p>Vunavi bya tinomboro: 1</p> <ul style="list-style-type: none"> • Komba na ku hlamusela tinomboroxiheri ku fika ka 1 <p>Ku pimanisa nhlengelo wa minchumu yimbirhi leyi nyikiweke loko yi ri:</p> <ul style="list-style-type: none"> • Yikulu na yitsongo • Yikulunyana na yitsongonyana • Yikulu ngopfu na yitsongo ngopfu (Ku tivisa minongoti) • Xaxameta nhlengelo wa minchumu yimbirhi kumbe ku tlula, ku suka eka lowutsongo ngopfu, lowukulu ngopfu na ku suka eka lowukulu ngopfu ku fika eka lowutsongo ngopfu | <p>Vunavi bya tinomboro: 1 – 5</p> <ul style="list-style-type: none"> • Komba na ku hlamusela tinomboroxiheri ta 2, 3 na 4 • Ku tiyisisa tinomboro ta 1 - 4 | <p>Vunavi bya tinomboro: 1 - 7</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ku suka eka 5, 6 na 7 • Ku tiyisisa tinomboro ta 1 – 7 | <p>Vunavi bya tinomboro: 0--10</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ta 8, 9, 10 na 10 • Ku tiyisisa tinomboro ta 0 -10 |
| <p>Ku pimanisa nhlengelo wa minchumu yimbirhi leyi nyikiweke loko yi ri:</p> <ul style="list-style-type: none"> a) Yikulu na yitsongo b) Yikulu ngopfu na yitsongo ngopfu <p>Ku pimanisa leswaku ni yini eka minhlengelo ya minchumu yimbirhi leyi nyikiweke yi:</p> <ul style="list-style-type: none"> a) Tlulaka b) Nga ehansi ka c) Ringanaka na (swa fana) | <p>Ku pimanisa nhlengelo wa minchumu yimbirhi leyi nyikiweke loko yi ri:</p> <ul style="list-style-type: none"> • Yikulu na yitsongo • Yikulunyana na yitsongonyana • Yikulu ngopfu na yitsongo ngopfu (Ku tivisa minongoti) • Xaxameta nhlengelo wa minchumu yimbirhi kumbe ku tlula, ku suka eka lowutsongo ngopfu, lowukulu ngopfu na ku suka eka lowukulu ngopfu ku fika eka lowutsongo ngopfu | <p>Vunavi bya tinomboro: 1 – 5</p> <ul style="list-style-type: none"> • Komba na ku hlamusela tinomboroxiheri ta 2, 3 na 4 • Ku tiyisisa tinomboro ta 1 - 4 | <p>Vunavi bya tinomboro: 1 - 7</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ku suka eka 5, 6 na 7 • Ku tiyisisa tinomboro ta 1 – 7 | <p>Vunavi bya tinomboro: 0--10</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ta 8, 9, 10 na 10 • Ku tiyisisa tinomboro ta 0 -10 |
| <p>Ku pimanisa leswaku ni yini eka minhlengelo ya minchumu yimbirhi leyi nyikiweke yi:</p> <ul style="list-style-type: none"> a) Tlulaka b) Nga ehansi ka c) Ringanaka na (swa fana) | <p>Vunavi bya tinomboro: 1 – 5</p> <ul style="list-style-type: none"> • Komba na ku hlamusela tinomboroxiheri ta 2, 3 na 4 • Ku tiyisisa tinomboro ta 1 - 4 | <p>Vunavi bya tinomboro: 1 – 7</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ku suka eka 5, 6 na 7 • Ku tiyisisa tinomboro ta 1 – 7 | <p>Vunavi bya tinomboro: 1 - 7</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ku suka eka 5, 6 na 7 • Ku tiyisisa tinomboro ta 1 – 7 | <p>Vunavi bya tinomboro: 0--10</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ta 8, 9, 10 na 10 • Ku tiyisisa tinomboro ta 0 -10 |
| <p>Ku pimanisa leswaku ni yini eka minhlengelo ya minchumu yimbirhi leyi nyikiweke yi:</p> <ul style="list-style-type: none"> a) Tlulaka b) Nga ehansi ka c) Ringanaka na (swa fana) | <p>Vunavi bya tinomboro: 1 – 5</p> <ul style="list-style-type: none"> • Komba na ku hlamusela tinomboroxiheri ta 2, 3 na 4 • Ku tiyisisa tinomboro ta 1 - 4 | <p>Vunavi bya tinomboro: 1 – 7</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ku suka eka 5, 6 na 7 • Ku tiyisisa tinomboro ta 1 – 7 | <p>Vunavi bya tinomboro: 1 - 7</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ku suka eka 5, 6 na 7 • Ku tiyisisa tinomboro ta 1 – 7 | <p>Vunavi bya tinomboro: 0--10</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ta 8, 9, 10 na 10 • Ku tiyisisa tinomboro ta 0 -10 |
| <p>Ku pimanisa leswaku ni yini eka minhlengelo ya minchumu yimbirhi leyi nyikiweke yi:</p> <ul style="list-style-type: none"> a) Tlulaka b) Nga ehansi ka c) Ringanaka na (swa fana) | <p>Vunavi bya tinomboro: 1 – 5</p> <ul style="list-style-type: none"> • Komba na ku hlamusela tinomboroxiheri ta 2, 3 na 4 • Ku tiyisisa tinomboro ta 1 - 4 | <p>Vunavi bya tinomboro: 1 – 7</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ku suka eka 5, 6 na 7 • Ku tiyisisa tinomboro ta 1 – 7 | <p>Vunavi bya tinomboro: 1 - 7</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ku suka eka 5, 6 na 7 • Ku tiyisisa tinomboro ta 1 – 7 | <p>Vunavi bya tinomboro: 0--10</p> <ul style="list-style-type: none"> • Ku komba na ku hlamusela tinomboroxiheri ta 8, 9, 10 na 10 • Ku tiyisisa tinomboro ta 0 -10 |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tinomboro ta odinali | <p>Ndlandlamuxa ndzemuko wa tinomboro ta odinali swi nga languteriwangi xik. Xosungula, xa vumbirhi, xa vunharhu xo hetelela, lexi landzelaka.</p> <ul style="list-style-type: none"> Dyondzisa hi nkarhi wa swibamarha/ swakudya wa ntolovelo na hi nkarhi wa xihambukelo wa ntolovelo – xosungula, xa vumbirhi, xo hetelela, lexi landzelaka | <p>Ndlandlamuxa ndzemuko wa tinomboro ta odinali swi nga languteriwangi xik. Xosungula, xa vumbirhi, xa vunharhu, xa vumune.... xo hetelela, lexi landzelaka.</p> <ul style="list-style-type: none"> Tiyisa tinomboro ta odinali swi nga languteriwangi hi ku tirhisa nkarhi wa ntolovelo wa xihambukelo. Swi tirhise na le ka migingiriko ya dyondzo ya Swikili swa ta Vutomi na migingiriko ya vutiolori. Na hi nkarhi wa migingiriko ya dyondzo ya Vutshila bya Vutumbuluxi (laha swi faneleke) | <p>Ndlandlamuxa ndzemuko wa tinomboro ta odinali swi nga languteriwangi xik. Xosungula, xa vumbirhi, xa vunharhu, xa vumune, xa vuntihanu xo hetelela, lexi landzelaka.</p> <ul style="list-style-type: none"> Tiyisa tinomboro ta odinali swi nga languteriwangi hi ku tirhisa nkarhi wa ntolovelo wa xihambukelo. Swi tirhise na le ka migingiriko ya dyondzo ya Swikili swa ta Vutomi na migingiriko ya vutiolori. | <p>Ndlandlamuxa ndzemuko wa tinomboro ta odinali swi nga languteriwangi xik. Xosungula, xa vumbirhi, xa vunharhu, xa vumune, xa vuntihanu, xa vutsevu.... xo hetelela, lexi landzelaka.</p> <ul style="list-style-type: none"> Dyondzisa tinomboro ta odinali – xosungula, xa vumbirhi, xa vunharhu, ku fika ka tsevu Tiyisa tinomboro ta odinali swi nga languteriwangi hi ku tirhisa nkarhi wa ntolovelo wa xihambukelo. Swi tirhise na le ka migingiriko ya dyondzo ya Swikili swa ta Vutomi na migingiriko ya vutiolori. |
| <p>KU OLOLOXA SWIPHICO SWA TINHLAYO EKA MBANGU HI KU TIRHISA TITHEKINIKI LETI LANDZELAKA:</p> | | | | |
| <p>1.6 Tithekiniki to ololoxa swiphico swa tinomboro (Ku tirhisiwa tithekiniki na maqhinga lama landzelaka)</p> | <p>Ku tirhisa maqhinga lama landzeleka: Switirhisiwa swo khomeka. Xik: swo hayela hi swona</p> | <p>Ku tirhisa maqhinga lama landzelaka: Switirhisiwa swo khomeka. Xik: swo hayela hi swona</p> | <p>Ku tirhisa maqhinga lama landzelaka: Switirhisiwa swo khomeka. Xik: swo hayela hi swona</p> | <p>Ku tirhisa maqhinga lama landzelaka: Switirhisiwa swo khomeka xik: swo hayela Tinomboro ta lerha</p> |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.7 Ku hlanganisa na ku susa (Ku ololoxa swiphico swa tinhlayo ta marito hi nomo (switori swa tinhlayo) na ku hlamusela tinhlamulo ta swiphico swa tinhlayo leswi ngenhisaka: a) ku hlanganisa na ku susa leswi nga na tinhlamulo to fika ka 10)</p> <p>1.9 Ku ntlawahata na ku avelana loku yisaka eka avanyiso (Ku avelana loku ringanaka na ku ntlawahata hi tinomboroxiheri ku fika eka 10 hi tinhlamulo leti katsaka leswi sataka).</p> | | <ul style="list-style-type: none"> Tirhisa swo hlayela hi swona na ku ololoxa swiphico swa tinhlayo hi nomo leswi ngenhisaka tinomboro ta 2, 3 na 4. Ku tiyisa ku ololoxa ya swiphico swa tinhlayo leti ngenhisaka tinomboro ta 1 ku fika eka 4 | <ul style="list-style-type: none"> Tirhisa swo hlayela hi swona na ku ololoxa swiphico swa tinhlayo hi nomo leswi ngenhisaka tinomboro ta 5, 6 na 7 Ku tiyisa ku ololoxa ya swiphico swa tinhlayo leti ngenhisaka tinomboro ta 1 ku fika eka 7 | <ul style="list-style-type: none"> Tirhisa swo hlayela hi swona na ku ololoxa swiphico swa tinhlayo hi nomo leswi ngenhisaka tinomboro ta 1 ku fika eka 10 Ku tiyisa ku ololoxa ya swiphico swa tinhlayo leti ngenhisaka tinomboro ta 1 ku fika eka 10 |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <p>1.11 Mali</p> | <p>Mali</p> <ul style="list-style-type: none"> • Endla ndzemuko wa mali ya swingwece ya tiko ra Afrika-Dzonga (20c, 50c, R1, R2, R5) • Komba muhlovo na xihari lexi kumekaka eka mali yin'wana na yin'wana • Komba ku fana na ku hambana exikarhi ka mali ya swingwece xik. Hlawula mali yo tlangisa ku ya hi sayizi na muhlovo. • Nyika vadyondzi mali yo tlangisa eka khona leyi tirhaka tanihi hi le kaya | <p>Mali</p> <ul style="list-style-type: none"> • Endla wa ndzemuko wa mali ya maphepha ya tiko ra Afrika-Dzonga (R10, R20, R50, R100, R200) • Komba ku fana na ku hambana ka mali ya phepha xik. Hlawula mali yo tlangisa ku ya hi muhlovo na sayizi. • Nyika vadyondzi mali yo tlangisa eka khona leyi tirhaka tanihi le kaya | <p>Mali</p> <ul style="list-style-type: none"> • Nyika vadyondzi mali yo tlangisa eka khona leyi tirhaka tanihi hi le kaya | |
| <p>KU KHAKHULETA U TIRHISA:</p> | | | | |
| <p>1.13 Ku hlanganisa na ku susa (Ku ololoxa swiphigo swa tinhlayo leswi boxiweke swo hlanganisa na ku susa hi tinhlamulo leti fikaka ka 10 hi nomo)</p> | <p>Ku ololoxa swiphigo leswi boxiweke swo hlanganisa na ku susa hi tinhlamulo to fika eka 4 hi nomo.</p> | <p>Ku ololoxa swiphigo leswi boxiweke swo hlanganisa na ku susa hi tinhlamulo to fika eka 7 hi nomo.</p> | <p>Ku ololoxa swiphigo leswi boxiweke swo hlanganisa na ku susa hi tinhlamulo to fika eka 10 hi nomo.</p> | |

• Tinxaka ta swiphiqo swa le ka Giredi ya V

Swiphiqo swa tinhlayo leswi nyikiwaka vadyondzi va Giredi ya V swi fanale ku ngenisa minchumu leyi nga kona etlilasini ya vona, xik: swo hlayela hi swona, vana, tintangu kambe ku nga ri swo fana na swiwitsi, mpfundla, swiluva na sw.na sw. A hi vana hinkwavo va nga pfumelaka leswaku swo hlayela hi swona kumbe tintiho swi nga yimela mpfundla. Vo lava minchumu hi yoxe. Mudyondzisi a nga sungula ku tirhisa swifaniso eka hafu ya lembe ntsena. Kambe minchumu ya ntiyiso yi fanale ku ya emahlweni yi tirhisiwa a yi fanelangi ku siviwa, swifaniso i swo engetela Swimhandzana swi nga tirhisiwa laha mudyondzisi a pfumalaka switirhisiwa.

Swiphiqo leswi landzelaka swa Tinhlayo swi kombisa tinxaka ta swiphiqo swa tinhlayo, kambe mudyondzisi u ta tiendlela leswi nga ta fambelana na ku twisisa ka vadyondzi va yena.

Ku ntlawahata

Laha ku na 8 wa swikhekhana. Mudyondzisi a humesa nhungu wa swikhekhana kumbe a va komba swo hlayela hi swona swa 8 kombisa eka vadyondzi) Tirhani u kuma swikhekhana swimbirhi hi siku. I masiku mangani lawa a nga ta kuma swikhekhana ?

Ku avelana

Ku na swikhekhana swa tsevu.(Mudyondzisi a humesa 6 wa swo hlayela hi swona, kumbe a kombisa xifaniso xa 6 wa swikhekhana). Titeddy tinharhu ti fanele ku avelana swikhekhana hi nomboro yo ringana. Xana i swikhekhana swingani leswi Teddy yin'wana na yin'wana yi faneleke ku swi kuma.

Ku hlanganisa, ku susa, ku hlanganisa ko vuyelela

I mahlo mangani lawa vana va2 va nga na wona?

I tindleve tingani leti vana va 4va nga na tona?

I tintiho tingani leti nga kona exandleni xin'we?

I tintiho tingani ti nga eka swandla swi2?

Linda u na swo hlayela hi swona swa 6. U nyika Basani swo hlayela swo hlayela hi swona swi2. I swo hlayela swingani leswi a nga na swona sweswi ke?

Vadyondzisi va fanele va hlanganisela tinxaka ta swiphiqo swa Tinhlayo. Va fanele ku engetela sayizi ya tinomboro leti va ti tirhisaka eka swiphiqo swa Tinhlayo hi ka ntsongontsongo, va nga ehleketi leswaku vadyondzi va vona va nge koti ku tirha hi tinomboro letikulu.

NKATSAKANYO WA GIREDI YA V
2. TIPATIRONI NA FANKIXINI

| TINHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>2.1 Tipatironi ta Xijometiri (Kopa na ku ndlandlamuxa tipatironi to olova leti vuyelelaka hi ku tirhisa minchumu yo khomeka na swidirowiwa) (ku tumbuluxa tipatironi to vuyelela ta wena n'wini)</p> | <ul style="list-style-type: none"> • Ku komba tipatironi eka swiambalo, na mbangu • Ku kopa na ku hetisa tipatironi. • Kopa tipatironi hi ku tirhisa mpfumawulo lowu humesiwaka hi miri • Kopa, hetisa na ku tumbuluxa patironi ya wena n'wini | <ul style="list-style-type: none"> • Kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta wena n'wini • Kopa patironi leyi nyikiweke hi ku tirhisa swingwece | <ul style="list-style-type: none"> • Kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta wena n'wini hi swifaniso | <ul style="list-style-type: none"> • Kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta swo twiwa ta wena n'wini • Kopa tipatironi ta huwa • Tlanga ntlangu wa patironi ya “tsheretshere” |

| NKATSAKANYO WA GIREDI YA V | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3. NDHAWU NA XIVUMBEKO XA JOMETERI | | | | |
| TINHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
| <p>3.1</p> <p>Xiyimo, Ndzetelo na mathelo</p> <p>Hlamusela nchumu wun'we wa mathelo ma3 lowu nga na vuxaka na wun'wana (xik. Emahlweni na le ndzhaku)</p> | <p>Vuxaka bya ndhawu.</p> <p>Xiyimo xa minchumu yimbirhi kumbe ku tiula leyi nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> • Emahlweni ka na endzhaku ka • Henhla, ehenhla ka, na ehansi ka • Endzeni na le handle • Ehenhla na le hansi • Kusuhi na, na xikarhi ka <p>Ku tlanga ehandle i swa nkoka. Mujombe wu nga tirhisiwa ku tiyisisa, xikombiso:</p> <ul style="list-style-type: none"> • Minongoti ya Matematiki • Vutshila bya Vutumbuluxi • Migingiriko ya Vutiolori | <p>Vuxaka bya ndhawu.</p> <p>Xiyimo xa minchumu yimbirhi kumbe ku tiula leyi nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> • ehenhla na le ehansi | <p>Vuxaka bya ndhawu.</p> <p>Xiyimo xa minchumu yimbirhi kumbe ku tiula leyi nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> • Emahlweni ka na endzhaku ka • Henhla, Henhla ka, na le hansi • kusuhi na • exikarhi • ximatsi na le xinene • ntirho wa phegibodi <p>Ku hlamusela minchumu hi mathelo hinkwawo tanihi xipopana, yindlu hi le mahlweni ka yona, endzhaku, emathelo ku ya hilaha u yimeke kona</p> | <p>Vuxaka bya ndhawu.</p> <p>Xiyimo xa minchumu yimbirhi kumbe ku tiula leyi nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> • Emahlweni ka na endzhaku • Ehenhla ka, na ehansi • Henhla na le hansi • Kusuhi na, exikarhi ka na exikarhi • Ximatsi na xinene <p>Xiyimo xa minchumu yimbirhi kumbe ku tiula leyi nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> • Ntirho wa phegibodo • Emahlweni ka na le ndzhaku • ehenhla, kumbe ehansi • henhla na le hansi • kusuhi na, exikarhi ka na le xikarhi • ximatsi na xinene |
| <p>Ku landzelela swiletelo swa mathelo (u ri wexe/ na kumbe, tanihi) xirho xa ntlawa/ ku famba/ku fika eka ndhawu yo karhi. (Mathelo)</p> | <ul style="list-style-type: none"> • Mathelo/ emahlweni na le ndzhaku • Mintlangu yo fana na ku landzelerisa xitimela • Ntlangu wa swihingakanyo – va landzelela mathelo • Dyondzo ya Vutiolori na migingiriko ya vuyimbeleri | <ul style="list-style-type: none"> • Mahlweni/endzhaku • Chati ya miseve | <ul style="list-style-type: none"> • Emahlweni na le ndzhaku • Henhla na le hansi, • Vuhenhla na vuhansi • Ximatsi na xinene • Xana mpfumawulo lowu wu huma kwihhi? | <ul style="list-style-type: none"> • Emahlweni na le ndzhaku • Henhla na le hansi, • Vuhenhla na vuhansi • Ximatsi na xinene • Xana mpfumawulo lowu wu huma kwihhi? |

| TINHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>3.2 Minchumu ya mathelo ma3 (Lemuka, kombisa na ku vula minchumu ya mathelo manharhu etillasini: a) tibolo b) mabokisi</p> | <ul style="list-style-type: none"> • Tibolo: Sungula ku va dyondzisa na ku va toloveta tibolo • Mabokisi: Sungula ku va dyondzisa hi mabokisi na ku va toloveta mabokisi | <ul style="list-style-type: none"> • Ku ava ku ya hi leswi fanaka na ku hambana • Sayizi: ku ava minchumu ya mathelo ma3 ku ya hi sayizi • Muhlovo: Komba na ku ava swo hiayela hi swona ku ya hi mihlovo wo tshwuka,, wasi, xitshopana na rihla xitshopi, rihlaza • Xivumbeko: ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi swivumbeko | <ul style="list-style-type: none"> • Sayizi: ku ava minchumu ya mathelo ma3 ku ya hi sayizi • Muhlovo: a ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi mihlovo • Xivumbeko : ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi swivumbeko | <ul style="list-style-type: none"> • Sayizi ku ava minchumu ya mathelo ma3 ku ya hi sayizi • Muhlovo: ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi sayizi • Xivumbeko: ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi swivumbeko |
| <p>3.2 Minchumu ya mathelo ma3 (Hlamusela, ava na ku pimanisa minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi:</p> | <ul style="list-style-type: none"> • Dyondzisa ro sungula chati yo basisa (ku ava swo tiangisa hi mfanelo) • Sayizi: ku ava minchumu ya mathelo ma3 ku ya hi sayizi • Muhlovo: ku ava minchumu ya swivumbeko swa mathelo manharhu ku ya hi mihlovo ya masungulo • Xivumbeko : ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi swivumbeko • Minchumu leyi khungulukaka <ul style="list-style-type: none"> - Ku komba na ku valanga minchumu leyi khungulukaka - Ku tiyisisa minchumu leyi khungulukaka • Minchumu leyi rhetaka <ul style="list-style-type: none"> - Ku lemuka na ku valanga minchumu leyi rhetaka - Ku lemuka na ku valanga Minchumu leyi rhetemakaka na ku khungulukaka | <ul style="list-style-type: none"> • Sayizi: ku ava minchumu ya mathelo ma3 ku ya hi sayizi • Muhlovo: Komba na ku ava swo hiayela hi swona ku ya hi mihlovo wo tshwuka,, wasi, xitshopana na rihla xitshopi, rihlaza • Xivumbeko: ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi swivumbeko | <ul style="list-style-type: none"> • Sayizi: ku ava minchumu ya mathelo ma3 ku ya hi sayizi • Muhlovo: a ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi mihlovo • Xivumbeko : ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi swivumbeko | <ul style="list-style-type: none"> • Sayizi ku ava minchumu ya mathelo ma3 ku ya hi sayizi • Muhlovo: ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi sayizi • Xivumbeko: ku ava minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi swivumbeko |
| <p>a) Sayizi (vukulu/vuntsongo)</p> | | | | |
| <p>b) Muhlovo (tshwuka, wasi, xitshopana, rihlaza)</p> | | | | |
| <p>c) Xivumbeko (xirhendzevutana, yinlanharhu xikwere, yinhlamune)</p> | | | | |
| <p>d) Minchumu leyi khungulukaka</p> | | | | |
| <p>e) Minchumu leyi rhetaka</p> | | | | |

| TINHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Ku aka minchumu ya mathelo ma3 hi ku tirhisa switirhisiwa swo khomeka (Xik. Tibuloko to aka hi tona)</p> | <p>Ku yisa emahlweni</p> <ul style="list-style-type: none"> Nyika tibuloko to aka na switirhisa swo aka hi swona hi nkarhi wo tianga a ntshuxekile endzeni siku na siku. Ku valanga tibuloko | <p>Ku yisa emahlweni</p> <ul style="list-style-type: none"> Nyika tibuloko to aka na switirhisa swo aka hi swona hi nkarhi wo tianga a ntshuxekile endzeni siku na siku. Ku valanga tibuloko | <p>Ku yisa emahlweni.</p> <ul style="list-style-type: none"> Nyika tibuloko to aka na switirhisa swo aka hi swona hi nkarhi wo tianga a ntshuxekile endzeni siku na siku. Pfumelela vadyondzi va ti akela muako wa vona vini hi ku kopa eka xikombiso xa muako lowu va nyikiweke Ku kopunula muako lowu fanaka eka khadi ra xifaniso kumbe vutumbuluxi bya nkhaviso Ku tiyisisa nkopunulo wa muako lowu va wu vonaka eka xifaniso | <p>Ku yisa emahlweni</p> <ul style="list-style-type: none"> Nyika tibuloko to aka na switirhisa swo aka hi swona hi nkarhi wo tianga a ntshuxekile endzeni siku na siku. Ku yisa emahlweni hi nkarhi wo tianga endzeni va ntshuxekile |
| <p>3.3 Swivumbeko swa mathelo ma2 Lemuka, kombisa na ku vula swivumbeko swa mathelo mambirhi etilasisini na le ka swifaniso, ku katsa:</p> <p>a) Mimfungo ya vadyondzi b) Vito ra tiliasi Maakelo ya swiphazamiso Mpimohansi a)(kotara 1: 6 wa swiphemu) b)(kotara 2: 12 wa swiphemu) c)(kotara 3: 18 wa swiphemu) d)(kotara 4: 24 wa swiphemu)</p> | <p>Ku yisa emahlweni</p> <ul style="list-style-type: none"> Pfumelela mudyondzi un'wana na un'wana ku tihlawulela khadi ra mfungo hi siku ro sungula Kombekisa mfungo/ xifaniso xa mudyondzi tin'hweti ti3 to sungula ta lembe Ku tivisa vito ra tiliasi xik. Hi ku tirhisa xifaniso – tiliasi ya "Teddy Bear" Lebulu leyi nga na vito ra mudyondzi erivantini ra tiliasi. Lebulu leyi kombisaka leswaku i tiliasi ya Giredi ya V <p>Swiphazamiso</p> <ul style="list-style-type: none"> Sungula ku dyondzisa xiphazamiso, u nyika swiletelo swa maakelo ya swona. Kanelani hi xifaniso xa xiphazamiso mi kongomisa eka vuxokoxoko bya muhlovo, vanhu/swiharhi, Minchumu xiyimo xa vanhu/swiharhi na Minchumu. Vadyondzi va fanele va kota ku hetisa xiphazamiso lexi nga riki ehansi ka swiphemu swa 6 loko ku hela kotara ya 1. | <p>Kombisa mimfungo/swifaniso na mavito ya vadyondzi eka tin'hweti ti3 letilandzelaka</p> <p>Ku yisa emahlweni</p> | <p>Kombekisa ntsena lebulu ya vito ra mudyondzi tin'hweti ta 6 to hetelela ta lembe</p> <p>Ku yisa emahlweni</p> | <p>Kombekisa ntsena lebulu ya vito ra mudyondzi tin'hweti ta 6 to hetelela ta lembe</p> <p>Ku yisa emahlweni</p> |
| <p>Swiphazamiso a)(kotara 1: 6 wa swiphemu) b)(kotara 2: 12 wa swiphemu) c)(kotara 3: 18 wa swiphemu) d)(kotara 4: 24 wa swiphemu)</p> | <p>Swiphazamiso (Ku yisa emahlweni)</p> <ul style="list-style-type: none"> Nyika swiphazamiso swo hambanahambana hi nkarhi wo tianga va ntshuxekile endzeni ka tiliasi siku na siku Vadyondzi va fanele va kota ku endla xiphazamiso lexi nga riki ehansi ka swiphemu swa 12 eku heleni ka kotara ya 2 Va endla na ku hetisa swiphemu swa xiphazamiso xa vona vini hi swiphemu swa 4 | <p>Swiphazamiso (Ku yisa emahlweni)</p> <ul style="list-style-type: none"> Nyika swiphazamiso swo hambanahambana hi nkarhi wo tianga va ntshuxekile endzeni ka tiliasi siku na siku Vadyondzi va fanele va kota ku endla xiphazamiso lexi nga riki ehansi ka swiphemu swa 18 eku heleni ka kotara ya 3 Va endla na ku hetisa swiphemu swa xiphazamiso xa vona vini hi swiphemu swa 5 | <p>Swiphazamiso (Ku yisa emahlweni)</p> <ul style="list-style-type: none"> Nyika swiphazamiso swo hambanahambana hi nkarhi wo tianga va ntshuxekile endzeni ka tiliasi siku na siku Vadyondzi va fanele va kota ku endla xiphazamiso lexi nga riki ehansi ka swiphemu swa 24 eku heleni ka kotara ya 4 | <p>Swiphazamiso (Ku yisa emahlweni)</p> <ul style="list-style-type: none"> Nyika swiphazamiso swo hambanahambana hi nkarhi wo tianga va ntshuxekile endzeni ka tiliasi siku na siku Vadyondzi va fanele va kota ku endla xiphazamiso lexi nga riki ehansi ka swiphemu swa 24 eku heleni ka kotara ya 4 |

| TINHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>3.3 Swivumbeko swa matshelo ma2 Ndzemuko wa swifaniso swa swivumbeko swa swi nga ri erivaleni Swivumbeko swa Xijometiri a) xirhendzevutana b) yinhlamune c) xikwere d) yinhlamune e) Nhlaysi wa swivumbeko (Endla leswaku swi nga cinc)</p> | <ul style="list-style-type: none"> Dyondzisa ro sungula ndzemuko wa swifanso swa swivumbeko swa ka swi nga ri erivaleni Tiyisa xirhendzevutana Sungula ku dyondzisa xirhendzevutana Sungula ku dyondzisa yinhlamune ku dyondzisa xikwere | <ul style="list-style-type: none"> Tiyisa ndzemuko wa swifaniso swa swivumbeko swa ka swi nga ri erivaleni hi misingiriko ya ku ava, fananisa na ku ntlawahata na ku basisa Tiyisa yinhlamune Nhlaysi wa xivumbeko (Endla leswaku vadyondzi va tshama va tiva yinhlamune nkarhi hinkwawo) | <ul style="list-style-type: none"> Tiyisa ndzemuko wa swifaniso swa swivumbeko swa ka swi nga ri erivaleni hi misingiriko ya ku ava, fananisa na ku ntlawahata na ku basisa Tiyisa xikwere Nhlaysi wa xivumbeko (Endla leswaku vadyondzi va tshama va tiva swivumbeko leswi va swi dyondzeke ku fika sweswi) | <ul style="list-style-type: none"> Tiyisa ndzemuko wa swifaniso swa swivumbeko swa ka swi nga ri erivaleni hi misingiriko ya ku ava, fananisa na ku ntlawahata na ku basisa Tiyisa xirhendzevutana, yinhlamune, xikwere na yinhlamune Nhlaysi wa xivumbeko (Endla leswaku vadyondzi va tshama va tiva swivumbeko leswi va swi dyondzeke ku fika sweswi) |
| <p>3.4 Ndzinganiso (Ku lemuka ntila wa ndzinganiso eka wena n'wini, na le ka mbangu wa wena)</p> | <ul style="list-style-type: none"> Ku komba swirho swa mirhi (ehansi ka ku hlavala) Nhloko mahlo, nhompu nomo, voko, xandla, nhamu, tinti, nenge, nkondzo, xifuva, swikun'wana tsolo Miri wa munhu wu na matshelo mambirhi Tiyisa leswakun miri wa munhu wu na matshelo mambirhi xik. "tshelo lerin'wana na tshelo lerin'wana" leswi yisaka eka "ximatsi na xine" Ku hingakanya ntila wa ndzinganiso lowu ngenhisaka na ku hlavala. Leswi nga laha henla swi fanele ku endlwa hi nkarhi wa misingiriko wa vutiori Ku tirisa swinsin'wana na tinsimu Hi nkarhi wa Vutshila bya Vutumbuluxi | <ul style="list-style-type: none"> Ku hingakanya ntila wa le xikarhi -misingiriko yo endla kunene Kombisa ku hingakanya ka ntila wa le xikarhi hi nkarhi wa Dyondzo ya Swikili swa ta Vutomi (Misingiriko ya vutiori bya miri) swinsin'wana swa tinomboro na tinsimu misingiriko ya dyondzo Vutshila bya Vutumbuluxi | <ul style="list-style-type: none"> Ku hingakanya ntila wa le xikarhi -misingiriko ya le xitsalelweni Kombisa ku hingakanya ka ntila wa le xikarhi hi nkarhi wa Dyondzo ya Swikili swa ta Vutomi (Misingiriko ya vutiori bya miri) | <ul style="list-style-type: none"> Ku ndlandlamuxa ndzemuko wa leswaku ku na ndzinganiso wa swiphemu swimbirhi eka minchumu yo karhi Kombisa ku hingakanya ka ntila wa le xikarhi hi nkarhi wa Dyondzo ya Swikili swa ta Vutomi (Misingiriko ya vutiori bya miri) |

| NKATSAKANYO WA GIREDI YA V | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. MPIMO | | | |
| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 |
| | | | KOTARA YA 4 |
| <p>4.1</p> <p>Nkarhi :</p> <p>Hlamusela nkarhi wa siku ku ya hi ku i vusiku kumbe nhlikanhi</p> <p>Xaxameta swiendleko swa yena n'wini leswi vuyelelaka swa vutomi bya masiku hinkwawo.</p> <p>a) Nongonoko wa siku na siku</p> <p>b) Chati ya ta maxelo</p> | <ul style="list-style-type: none"> Dyondzisa ro sungula minongoti ya" nhlekanhi na vusiku," ku vonakala / munyama mpundzu, ndzhenga, vusiku - (Ku dyondza swi nga kunguhatiwangi hi nkarhi wa nongonoko wa siku na chati ya ta maxelo Ku dyondzisa ro sungula nongonoko wa siku na siku <ul style="list-style-type: none"> Vadyondzi va tovela ku landzelerisa swiendleko hi siku Swifaniso swi kombisiwa ku suka eximatsini ku ya exineneni ku ndllandlamuxa tihelo ro hlaya xiswona Murhangeri wa siku a famba fambisa nseve loko migingiriko leyi nga eka nongonoko wa siku yi ya emahlweni Dyondzisa ro sungula chati ya ta maxelo (siku na siku) <ul style="list-style-type: none"> Mudyondzisi a letela vadyondzi ku kuma vito ra siku, siku na n'hweti hi risimu na swinsin'wana, makhadi ya swikombakombana, tilebulu na mimfungo leyi nga eka khalendara leyi yimelaka vhiiki. Ndllandlamuxa ndzemuko wa nongoti wa nkarhi Ku kombisa masiku yo velekiwa, siku ra rendzo dyondzo, masiku yo hlawuleka, na tiholideyi ta le xikarhi ka vhiiki Ku landzelerisa tin'hweti ta lembe hi risimu | <ul style="list-style-type: none"> Nongonoko wa siku na siku (ku yisa emahlweni) <ul style="list-style-type: none"> Ku tiyisisa swiendleko swa siku na siku hi siku rin'we hi ku tirhisa nongonoko wa siku rin'wana na rin'wana Chati ya ta maxelo (siku na siku) <ul style="list-style-type: none"> Mudyondzisi a letela vadyondzi ku kuma vito ra siku, siku na n'hweti hi risimu na swinsin'wana, makhadi ya swikombakombana, tilebulu na mimfungo leyi nga eka khalendara leyi yimelaka vhiiki. | <ul style="list-style-type: none"> Nongonoko wa siku na siku (ku yisa emahlweni) <ul style="list-style-type: none"> Ku tiyisisa swiendleko swa siku na siku hi siku rin'we hi ku tirhisa nongonoko wa siku rin'wana na rin'wana Chati ya maxelo (siku na siku) <ul style="list-style-type: none"> Vadyondzi va kumisisa vito ra siku, siku na n'hweti hi makhadi ya swikombakombana, tilebulu na mimfungo eka khalendara ya vhiiki. |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4.1 Nkarhi : Xaxameta swiendleko swa yena n'wini leswi vuyelelaka swa vutomi bya masiku hinkwawo. c) Masiku ya vhiki</p> | <ul style="list-style-type: none"> • Masiku ya vhiki <ul style="list-style-type: none"> - Mudyondzisi a dyondzisa vadyondzi risimu kumbe xisin'wana hi masiku ya vhiki. Xi vuyeleli masiku hinkwawo loko ku kaneriwa chati ya ta maxelo - Ku landzelerisa masiku ya vhiki hi ku tirhisa risimu • Chati ya tinguva <ul style="list-style-type: none"> - Dyondzisa ro sungula chati leyi kombaka tinguva ta mune: <ul style="list-style-type: none"> o ximumu o xixikana o xixika o ximun'wana | <ul style="list-style-type: none"> • Masiku ya vhiki (ku yisa emahlweni) <ul style="list-style-type: none"> - Mudyondzisi a dyondzisa vadyondzi risimu kumbe xisin'wana hi masiku ya vhiki. Xi vuyeleli masiku hinkwawo loko ku kaneriwa chati ya ta maxelo • Chati ya tinguva <ul style="list-style-type: none"> - Nseve lowu kombaka nguva ya nkarhi wolowo wa susiwa loko tinguva ti cinca - Eka siku ro sungula ra ku pfula ka xikolo, mudyondzisi u fanela ku vutisa vadyondzi hi leswi va swi endleke hi tiholideyi - Ndlanlamuxa ndzemuko wa leswi vadyondzi va swi endlaka ku suka hi nkarhi lowu va pfukaka hi wona ku fika loko va ya exikolweni - Ndlanlamuxa ndzemuko wa leswi humelelaka exikarhi ka nkarhi wa swakudya swo latelela na wo etlela. • Swi ya emahlweni loko ku ri na siku ro velekiwa ra wo karhi • Ku yisa emahlweni | <ul style="list-style-type: none"> • Masiku ya vhiki (ku yisa emahlweni) • Chati ya tinguva <ul style="list-style-type: none"> - Nseve lowu kombaka nguva ya nkarhi wolowo wa susiwa loko tinguva ti cinca - Eka siku ro sungula ra ku pfula ka xikolo, mudyondzisi u fanela ku vutisa vadyondzi hi leswi va swi endleke hi tiholideyi • Swi ya emahlweni loko ku ri na siku ro velekiwa ra wo karhi • Ku yisa emahlweni | <ul style="list-style-type: none"> • Masiku ya vhiki (ku yisa emahlweni) • Chati ya tinguva <ul style="list-style-type: none"> - Nseve lowu kombaka nguva ya nkarhi wolowo wa susiwa loko tinguva ti cinca - Eka siku ro sungula ra ku pfula ka xikolo, mudyondzisi u fanela ku vutisa vadyondzi hi leswi va swi endleke hi tiholideyi • Swi ya emahlweni loko ku ri na siku ro velekiwa ra wo karhi • Ku yisa emahlweni |
| <p>d) Chati ya tinguva</p> <p>Dyondzisa Chati ya masiku yo velekiwa ro sungula</p> | <ul style="list-style-type: none"> • Ku dyondzisa ro sungula chati ya masiku yo velekiwa • Vadyondzi va fanele ku tiva vukhale(malembe) bya vona • Ndlanlamuxa ndzemuko wa tihelo ro hiaya • Vadyondzi va fanele ku tiva siku leri va nga velekiwa hi rona (siku na n'hweti) | | | |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4.2 Vunavi bya mpfhuka</p> <p>Ku pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito lama fanele ku hlamusela vulehi</p> <ul style="list-style-type: none"> • Ku dyondzisa ro sungula chati ya vulehi - Pima hi mavoko (Swo voniwa na swo ka swi nga languteri-wangi) - Pima hi nkandziyiso wa mikondzo (Swo voniwa na swo ka swi nga languteri-wangi) - Pima hi thepi yo pima hi yona (Swo voniwa na swo ka swi nga languteri-wangi) - Leha, koma - Lehanyana, komanyana - Leha, leha ngopfu (swo voniwa) - Pimanyeta | <p>Vunavi bya mpfhuka</p> <ul style="list-style-type: none"> • Ku leha no koma, ku lehanyana, ku leha ngopfu (loku voniwaka) • Dyondzisa ro sungula nongoti wa vulehi • Chatu ya vulehi hi ku kombisa hi mavoko/milenge | <p>Vunavi bya mpfhuka</p> <ul style="list-style-type: none"> • Ku leha ngopfu na ku koma ngopfu, ku lehanyana, ku komanyana (valanga vulehi) • Ku tiyisisa nongoti wa vulehi • Vadyondzi va kuma loko va kurile ku sukela eka kotara leyi nga hundza <p>(Vadyondzi va nga pimanisa ku leha ka vona hi nchumu wo karhi efilasini, xik. Khabodo)</p> | <p>Vunavi bya mpfhuka</p> <ul style="list-style-type: none"> • Pimanyeta vulehi bya minchumu yo hambanahambana • Ku pimanyeta na ku pima ku leha ka minchumu yo hambanahambana hi ku tirhisa mikondzo, mavoko, xiphemu xa ntambhu na xinhongana. | <p>Vunavi bya mpfhuka</p> <ul style="list-style-type: none"> • Pima ku leha ka vadyondzi hi thepi yo pima hi yona <p>(Siva mavoko hi thepi yo pima)</p> |

| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <p>4.3</p> <p>Ntiko</p> <p>Ku tirha hi ku pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito ku hlamusela leswi landzelaka:</p> <p>a) Vevuka, tika</p> <p>b) Vevukanyana, tikanyana</p> <p>c) Va yisa emahlweni hi nkarhi wo tlanga hi mati na misava</p> | | | <p>Ntiko</p> <ul style="list-style-type: none"> • Dyondzisa ro sungula nongoti wa mpimo hi ku pima ntiko wa minchumu yo hambanahambana xik: <ul style="list-style-type: none"> - Vevuka/tika - Vevukanyana, tikanyana • Tiyisa ntiko (vevuka ngopfu /tika ngopfu) | |
| <p>4.4</p> <p>Vutato/vundzeni/vholumo</p> <p>Ku tirha hi ku pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito ku hlamusela leswi landzelaka:</p> <p>a) Ku hava nchumu; tele</p> <p>b) Swo tala; ntsongo</p> <p>c) Ehansi ka; ku tlula ka,</p> <p>d) Ku yisa emahlweni hi nkarhi wo tlanga hi mati na misava</p> | | | <p>Vutato/vundzeni/vholumo</p> <ul style="list-style-type: none"> • Dyondzisa ro sungula nongoti wa vundzeni/vutato/vholumo hi ku pimanisa leswi nga endzeni ka swikhomelo swo hambanahambana <ul style="list-style-type: none"> - “ Ku hava nchumu/ tele ” - “Ku tlula ka/ ehansi ka - Swo tala, switsongo • Ku ya emahlweni na hi nkarhi wo tlanga hi mati na misava | |













NKATSAKANYO WA GIREDI YA V

5. MATIRHISELO YA VUXOKOXOKO BYA TINHLAYO

















































| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA 2 | KOTARA YA 3 | KOTARA YA 4 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5.1</p> <p>Ku hlengeleta na ku ava minchumu ku ya hi swihlawulekisi</p> <p>Hlengeleta minchumu leyi khomekaka ya muxaka lowu fanaka (wexe na/kumbe tanihi xirho xa ntlawa) xik. Matluka ya khume, swivumbeko swa khume</p> <p>Ava minchumu leyi khomekaka ku ya hi xihlawulekisi xin'we, xik. Sayizi ya matluka</p> | <ul style="list-style-type: none"> Ku dyondzisa ro sungula nongoti wa Matirhisele ya Vuxokoxoko bya Tinhlayo hi ku hlengeleta vuxokoxoko bya leswaku i vafana na vanhwanyana vangani etillasini | <ul style="list-style-type: none"> Ku hlengeleta minchumu (Swirhabyana swa tisayizi to hambanahana) | <ul style="list-style-type: none"> Vutisa xivutiso lexi: Xana mavito lama nga na tsevu wa maletere ma tolovelekile ke? Ku hlengeleta vuxokoxoko bya tinhlayo ku hlamula xivutiso lexi ku tirhisiwa makhadi ya mavito ya vadyondzi. | <ul style="list-style-type: none"> Ku tirhisa chati yo velekiwa ku kumisisa leswaku i masiku ya vamani yo velekiwa naswona hi n'hweti yihi? Ku hlengeleta vuxokoxoko ku kuma muhlovo wa vumba byo tiangisa vhiki leri landzelaka xik. Wasi, xitshopana, rihlaza. <p>Ku hlengeleta vuxokoxoko bya leswaku (i swo famba swa njhani leswi vadyondzi va swi tirhisaka ku ya exikolweni?)</p> |
| <p>Ava minchumu leyi khomekaka ku ya hi xihlawulekisi xin'we, xik. Sayizi ya matluka</p> | <ul style="list-style-type: none"> Ava vuxokoxoko bya tinhlayo hi ku pfumelela vadyondzi ku yima hi tinxaxa ta vafana na ta vanhwanyana | <ul style="list-style-type: none"> Ava minchumu leyi hlengeleteweke (Swirhabyana swa tisayizi to hambanahana) | <ul style="list-style-type: none"> Ava makhadi ya mavito ku ya nhlayo ya maletere lama nga eka vito rin'wana na rin'wana. | <ul style="list-style-type: none"> Ku hlawula vuxokoxoko ku ya hi n'hweti yo velekiwa ya mudyondzi un'wana na un'wana. Mudyondzi un'wana na un'wana a hlawula buloko yin'we leyi yimelaka muhlovo lowu a wu hlawuleke wa vumba byo tiangisa bya vhiki Ku ava vuxokoxoko lebyi hlengeleteweke bya (lava ngo tifambela, ku famba hi movha ya vatswari, thekisi kumbe bazi) |

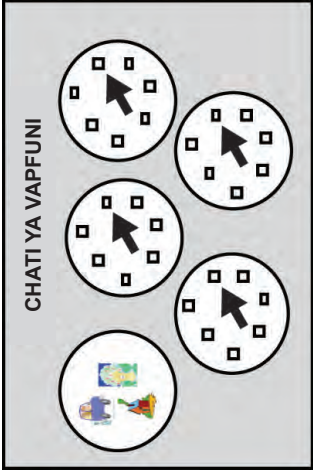
| NHLOKOMHAKA | KOTARA YA 1 | KOTARA YA2 | KOTARA YA 3 | KOTARAYA 4 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5.2 Vuyimeri bya nhhengelo wa minchumu leyi hlawuriweke ku ya hi swinlawulekisi</p> <p>Ku dirowa tigrarafu to kombisa vuxokoxoko bya tinhlayo. Dirowa xifaniso tanihi rhekhodo ya minchumu leyi hengeletsiweke</p> | <ul style="list-style-type: none"> Ku endla girafu yo yimela vuxokoxoko bya tinhlayo hi ku tirhisa tibuloko kumbe swivumbeko | <ul style="list-style-type: none"> Ku dirowa girafu ya minchumu leyi hengeletsiweke (marhavi ya mirhi ya tisayizi to hambana) | <ul style="list-style-type: none"> Ku dirowa girafu hi ku damarheta khadi ra vito ehansi ka tikholomu leti faneleke. | <ul style="list-style-type: none"> Ku dirowa girafu leyi yimelaka masiku ya ku velekiwa ya vadyondzi eka n'hweti yin'wana na yin'wana. Tirhisa minchumu ya ntiyiso ku endla girafu ya tibuloko, tikhiyubu to pakelana, ta lego kumbe ta Duplo leyi yimelaka mihlovo ya vumba lebyi kunguhatiweke ku endliwa xik. Wasi, xitshopana na rihlaza Dirowa girafu ya swifaniso leyi yimelaka vadyondzi lava fambaka, fambaka hi thekisi, hi movha ya vatswari na lava fikaka hi bazi. |
| <p>5.3 Ku kana na ku vika nhhengelo wa minchumu leyi hlawuriweke ku ya hi swinlawulekisi</p> <p>Hlaya na ku hlamusela tigrarafu</p> <p>Ku hlamula swivutiso leswi kongomisiweke eka xifaniso kumbe minchumu leyi hlawuriweke ku ya hi swinlawulekisi swo karhi. (xik. "I matluka mangani lamakulu u nga ma dirowa? Hi wahi matluka lama nga tala, matluka lamakulu kumbe matluka lamatsongo?")</p> | <ul style="list-style-type: none"> Hlaya na ku hlamusela vuxokoxoko bya tinhlayo hi ku tirhisa vumba byo tiangisa ku endla vuyimeri bya nomboro ya vafana na vanhwanyana lava nga etlilasini. | <ul style="list-style-type: none"> Hlaya na ku hlamusela tigrarafu hi ku hlamula swivutiso | <ul style="list-style-type: none"> Hlaya na ku hlamusela vuxokoxoko hi ku hlayela makhadi ya tinomboro eka kholomu yin'wana na yin'wana na ku fikelela eka mahetelelo. | <ul style="list-style-type: none"> Hlaya na ku hlamusela tigrarafu u tirhisa swivutiso swo kumisisa n'hweti leyi nga na masiku yo tala yo velekiwa. Ku ya hi muhlovo lowu vadyondzi va wu hlawuleke, muhlovo wa vumba byo tiangisa wa vhiki, xikombiso wu ta va wa xitshopana Ku hlaya na ku hlamusela tigrarafu (i vangani va tifambelaka, fambaka hi thekisi, bazi na sw. na sw.?) |

3.5 TINOTSI TA NHLAMUSELO YA VUNDZENI BYA DYONDZO LETI NGA NA SWILETELO

| GIREDI YA V: KOTARA YA 1 | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 1 Ndzetelo</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Nongonoko wa siku na siku wu kombisiwe hi xivumbeko xa swifaniso</p> | <p>Nkumbetelo wa nkarhi</p> <p>Siku na siku, endzhaku ka loko swi dyondzisiwile</p> |
| <p>4.1 Nkarhi</p> | <p>Ndzandzelelano wa swiendleko swa yena n'wini swa vutomi bya masiku hinkwawo</p> <ul style="list-style-type: none"> - Ku tivisa nongonoko wa siku na siku - Ku ndlandlamuxa ndzandzelelano wa swiendleko hi siku rin'we. - Swifaniso swi kombisiwa ku suka eximatsini ku fika exineneni - Murhangeri wa siku a fambafambisa nseve ku suka eximatsini ku ya exineneni loko migingiriko ya siku leyi nga ka nongonoko yi ya emahlweni. - Vadyondzi va tokota ndzandzelelano wa swiendleko swa siku. | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Nongonoko wa siku na siku wu kombisiwe hi xivumbeko xa swifaniso</p> | <p>Nkumbetelo wa nkarhi</p> <p>Siku na siku, endzhaku ka loko swi dyondzisiwile</p> |
| NONGONOKO WA SIKU NA SIKU LOWU RINGANYETIWEKE | | | |
| <p>Ku fika</p>  |  |  |  |
| <p>Rhjisitara, masiku ya ku velekiwa, maxelo, mahungu</p>  | <p>Nghingiriko wa le tlilasi lowu rhangeriweke hi mudyondzisi, Vutshila byo voniwa na ku tlanga va tshunxekile</p>  | <p>Ku basisa</p>  | <p>Nghingiriko wa le tlilasi lowu rhangeriweke hi mudyondzisi.</p>  |
| <p>Nkarhi wo dya</p>  | <p>Ku tlanga va tshunxekile ehandle, na ku basisa</p>  | <p>Ku muka ekaya</p>  | <p>Nkarhi wo ya exhambukelweni</p>  |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Vhiki 1 Ndzetelo | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | | |
| Tinotsi: | | | |
| <ul style="list-style-type: none"> • Madyondziselo ya vundzeni ya lawuriwa hi nkarhi lowu nga ka nongonoko wa siku na siku. • Nongonoko wa siku na siku nga ha cinciwa, xikombiso, nkarhi wo ya exihambukelweni wu nga ha yisiwa eka nkarhi wun'wana ku ya hi swivangelo swo karhi swa xikolo. • Kombisa chati ya swilo swa masiku hinkwawo ntsena loko swi tivisiwile. • Kholomu ya tinotsi to hlamusela a yi tsariwangi hi ndzandzelelano wa siku, kambe hi ku ya hi vundzeni.hikokwalaho u fanele u boha siku leri u lavaka nghingiriko wo karhi wu endleka hi rona. • Eka man'wana mavhiki ku na migingiriko yo tlula ntlhanu. Leswi ko va ku tiyisisa leswaku u va na migingiriko yo tala ku hlawula eka yona kambe leswi a swi vuli leswaku u fanele ku endla migingiriko hinkwayo leyi nyikiweke. | | | |
| 1.4 Hlamusela, pimanisa na ku xaxameta tinomboro | <ul style="list-style-type: none"> • Ku tivisa nkarhi wo ya exihambukelweni (tirhisa tinomboro ta odinali ku kombisa ndzandzelelano, ndhawu kumbe xiyimo - Ku ndlandlamuxa ndzemuko wa ndzandzelelano/nxaxamelo wa nkarhi wo ya exihambukelweni xik: tinomboro ta odinali (va sungula va tirhisa xihambukelo, kutani va hlamba mavoko, pfala phayiphi kutani va ma omisa mavoko, na sw. na sw. - Ku ndlandlamuxa ndzemuko wa tinomboro ta odinali xik. Ntsako i wo sungula, Fumani i wa vumbirhi, na sw. na sw. | Xisisi, xithawulani Xihambukelo Mati ya le pompini | Endzhaku ka loko nkarhi wo ya exihambukelweni wu tivisiwile nghingiriko lowu wu humelela siku na siku |

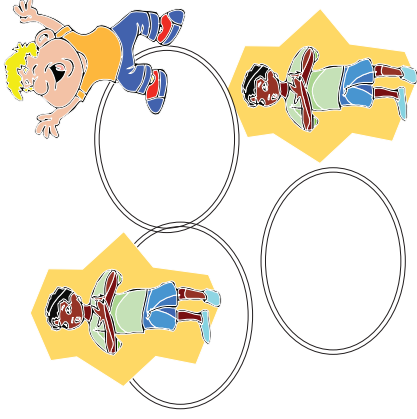
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <p>Vhiki 1 Ndzetelo</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>3.2 Minchumu ya mathelo ma3</p> | <p>Ku tivisa chati ya ku basisa</p> <ul style="list-style-type: none"> - Ku tumbuluxa swintlawatlawana swo tirha swin'we. - Ku kondletela nxaxamelo na ku hlawula switirisiwa ku ya hi swihlawulekisi swo karhi. <p>Avanyisa nomboro ya vadyondzi va wena etillasini hi tindhawu ta nhungu ta ku basisa. Ntlawa wun'wana na wun'wana wu fanele wu va na vutinhlamuleri eka ku basisa tindhawu hi ku ringaneta hi vhiki rin'wana rin'wana.</p> <p>Hlamusela, ava ku ya hi swihlawulekisi u thela u pimanisa minchumu ya mathelo ma3 ku ya hi:</p> <ul style="list-style-type: none"> • Sayizi • Muhlovo • Minchumu leyi khungulukaka • Minchumu leyi rhetaka | <p>Chati ya ku basisa</p> <table border="1"> <tr> <td></td> <td>Ku hiantswa swikhomelo swa pende na tiburachi</td> <td></td> </tr> <tr> <td></td> <td>Basisa khona ya tibuku</td> <td></td> </tr> <tr> <td></td> <td>Paka tibuloko</td> <td></td> </tr> <tr> <td></td> <td>Kukula fuluru</td> <td></td> </tr> <tr> <td></td> <td>Basisa khona ya yindlu</td> <td></td> </tr> <tr> <td></td> <td>Paka swiphazamisa miehleketo</td> <td></td> </tr> <tr> <td></td> <td>Basisa tafula ra vutshila</td> <td></td> </tr> <tr> <td></td> <td>Sula matafula ya basa</td> <td></td> </tr> </table> |  | Ku hiantswa swikhomelo swa pende na tiburachi |  |  | Basisa khona ya tibuku |  |  | Paka tibuloko |  |  | Kukula fuluru |  |  | Basisa khona ya yindlu |  |  | Paka swiphazamisa miehleketo |  |  | Basisa tafula ra vutshila |  |  | Sula matafula ya basa |  | <p>Endzhaku ka loko nkarhi wa ku basisa wu tivisiwe, ngingirihiko lowu wu humelela siku na siku.</p> |
|  | Ku hiantswa swikhomelo swa pende na tiburachi |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Basisa khona ya tibuku |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Paka tibuloko |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Kukula fuluru |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Basisa khona ya yindlu |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Paka swiphazamisa miehleketo |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Basisa tafula ra vutshila |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Sula matafula ya basa |  | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Vhiki 1 Ndzetelo</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiririko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiririko ya Matematiki hi vhiki)</p> | | <p>Nkumbetelo wa nkarhi</p> <p>Endzhaku ko dyondzisa ro sungula chati ya vapfuni, swakudya hi ndlela leyi siku na siku.</p> |
| <p>Nhlokomhaka</p> <p>1.1 Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <p>Dyondzisa ro sungula chati ya vapfuni na ndzandzelelano lowu swakudya swi nga ta phameriwa ha wona Ku pimanisa na ku hlayela minchumu leswaku va va na ntwisiso wa tinomboro hi ku:</p> <ul style="list-style-type: none"> - Tirhisa Chati ya vapfuni ku komba mupfuni wa siku loyi a nga ta pfuna etafuleni hi nkarhi wo phamela. - Swirhendzevutana swa nthanu eka chati ta vapfuni swi yimela mintlawa ya nthanu leyi u avanyiseke vadyondzi va wena hi yona xik, ntlawa wo tshwuka, ntlawa wa wasi, ntlawa wa xitshopana, ntlawa wa rihlaza, nthawa wa xilamula. U nga tlhela u tirhisa mihandzu ya tinxakaxaka, swihari / swifambo swin'wana na swin'wana. - Mfungho wa mudyondzi un'wana na un'wana wu vekiwa endzeni ka xirhendzevutana xa ntlawa lowu a welaka ka wona. - Ku hundzuluxa nsewe lowu exikarhi ka xirhendzevutana xin'wana na xin'wana swi komba murhangeri wa ntlawa. Murhangeri wa ntlawa wa cinca siku na siku ku endlela leswaku mudyondzi un'wana na un'wana u kuma nkarhi wo va murhangeri. - Murhangeri wa ntlawa u hlayela nomboro ya vadyondzi na tipuleti hi ku ya hi nomboro ya vadyondzi lava nga kona eka ntlawa wa yena hi siku rero (nomboro leyi yimelaka nchumu wo karhi). | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Chati ya vapfuni</p>  |
| <p>3.3 Swivumbeko swa mathelo ma2</p> | <p>Lemuka, kombisa na ku vula mavito ya minchumu ya swivumbeko swa mathlelo mambirhi na kumbe/ swifaniso etililasini.</p> <ul style="list-style-type: none"> - Mfungho wa mudyondzi - Pfumelela mudyondzi un'wana na un'wana ku tihlawulela khadi leri nga ni mfungho. - Lulamisa buloko yo komba vutshila bya vutumbuluxi lebyi nga na mfungho wa mudyondzi un'wana na un'wana. (Xifaniso kumbe xinepe). - Namarheta mfungho eka lokharhi ya mudyondzi un'wana na un'wana. - Pfumelela mudyondzi ku komba lokharhi leyi nga mfungho wa yena. - Vekela mfungho lowu nga na vito ra mudyondzi eka swiambalo. - Vadyondzi va komba Mimfungho ya vona na ya vanghana hi ku tlangamintlangu leyi kondletelaka ku komba makhadi ya Mimfungho yo hambanahambana, xik; vadyondzi va tshama hi xirhendzevutana na mudyondzisi a kombisa mifungho hinkwayo na ku vutisa vadyondzi ku komba mfungho wa vona. - Swinepe leswitsongo swa vadyondzi swi nga tirhisiwa tanihi makhadi ya mifungho loko wu swi ri kona. - Vito ra tlliasi - Kondletela mhaka ya leswaku vadyondzi va wela eka ntlawa wun'we lowukulu hi ku tivisa vito ra tlliasi xikombiso, hi ku tirhisa xifaniso xa "Teddy Bear". <p>Vadyondzi va fanele ku tiva vito ra mudyondzisi wa vona.</p> | <p>Loko vadyondzi va fika hi siku ro sungula</p> <p>Makhadi lama nga na mfungho wa mudyondzi un'wana na un'wana.</p> <p>Endla makhadi ya swinepe hi ku tirhisa swifaniso swa mifungho</p> <p>Tilokhari, mabokisi kumbe swo hayeka ekhumbini leswi nga na mifungho.</p> <p>Lebulu ya Giredi ya V</p> <p>Xifaniso xa vito ra tlliasi enyangweni</p> <p>Lebulu leyi nga na vito na xivongwo xa mudyondzisi</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| Vhiki 1 Ndzetelo | Tinotsi to hlamusela | Nkumbetelo wa nkarhi |
| Tinotsi <ul style="list-style-type: none"> • Kombisa ntsena mfungo wa mudyondzi / xifaniso eka tin'hweti tinharhu to sungula ta lembe. • Kombisa mfungo wa mudyondzi/ xifaniso na vito ra mudyondzi ku ringana tihweti tinharhu leti ti landzelaka. • Kombisa vito ra mudyondzi ntsena eka lebulu ku ringana tin'hweti ta tsevu to hetelela ta lembe. • A ti hlayisiwe erivantini ku ringana lembe hinkwaro. • Lebulu leyi nga na vito ra mudyondzisi. • Lebulu u kombisa tllasi ya giredi ya V. | | |

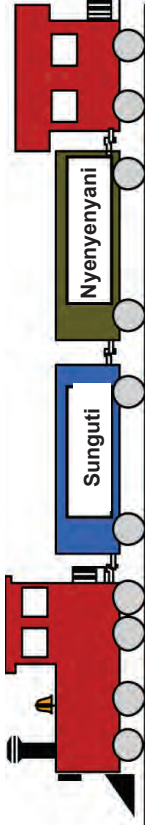
| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| Vhiki ra 2 Ndzetelo | Tinotsi to hlamusela | Nkumbetelo wa nkarhi |
| 1.1 Ku hlayela minchumu | Pimanyeta na ku hlaya minchumu ya masiku hinkwawo hi ku tshembeka Ku hlayela ka siku na siku <ul style="list-style-type: none"> • Ku hlaya hi ku bela enhlokweni/ ku hlayela hi ncino ku suka eka 1-5 • Yimbelela tinsimu ta tinomboro na swinsin'wana. Hambileswi vadyondzi va nga hava ntwisiso wa nomboro loko va amukeriwa eka Giredi ya V va fanele ku khutaziwa ku yimbelela swinsin'wana swa tinomboro na tinsimu na ku hlaya hi ku swi bela enhlokweni hi siku na siku. | Tinsimu ta tinomboro na swinsin'wana. Siku na siku |

| <p>Vhiki ra 2 Ndzetelo</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki)</p> | | <p>Nkumbetelo wa nkarhi</p> |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <p>Pimanisa nhlengelo wa minchumu yimbirhi leyi nyikiweke hi vukulu na vuntsongo Dyondzisa ro sungula nongoti wa “vukulu” na “vutsongo”.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Vadyondzi va titoloveta nongoti wa vukulu na vuntsongo hi ku songa miri ya vona yi va yitsongo na ku yi tsanyusa yi va yikulu hi laha swi kotekaka ha kona. - Tshika vadyondzi a va yelanisa mavoko ya vona na ya vanghana va vona ku vona leswaku i mavoko ya va mani ma nga makulu kumbe matsongo. - Pimanisa xandla xa mudyondzisi eka xa mudyondzi. - Pimanisa voko ra mudyondzisi eka ra mudyondzi. <p>Hlamusela, ava na ku pimanisa minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi sayizi</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Endla bolo leyikulu na leyitsongo hi vumba byo tiangisa. - Kuma minchumu leyikulu na leyitsongo etililasini. Fungha minchumu leyikulu hi switikara swo tshwuka na minchumu leyitsongo hi switikara swa xitshopana. Vulavula hi ku hambana ka tisayizi ta minchumu.. - Ava minchumu leyikulu na leyitsongo hi ku ya hi sayizi. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Tirhisa nongoti wa vukulu na vuntsongo hi nkarhi wa migingiriko ya swa vutshila hi ku:</p> <ul style="list-style-type: none"> - Ku lava swifaniso swa minchumu “leyikulu” na “leyitsongo” kutani va swi tsema. - Tshika vadyondzi va kandziyisa mavoko kutani va tsema. Vekela rin'wana ehenhla ka rin'wana. Languta leswaku l ra mani ri nga rikulu kumbe ri nga ritsongo. - Avanyisa phepha hi le xikarhi. - Namarheta minchumu hinkwayo leyitsongo ethelo rinwe ra phepha na Minchumu leyikulu eka thelo lerin'wana ra phepha. | <p>Vadyondzi</p> <p>Vumba byo tiangisa Minchumu leyikulu na leyitsongo</p> <p>Magazini, Phepha-hungu, Swinavetiso, Swikero</p> <p>Phepha ra A3, Tikhirayoni</p> | <p>Siku rin'we</p> |

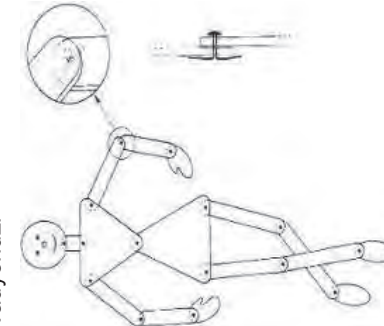
| | | | | |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------|
| <p>Vhiki ra 2 Ndzetelo</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki)</p> | | | <p>Nkumbetelo wa nkarhi</p> |
| <p>Nhiokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tihupisi</p>  | <p>Siku rin'we</p> | |
| <p>3.1 Xiyimo, ndzetelo na mathelo</p> | <p>Hlamusela xiyimo xa minchumu yimbirhi kumbe ku tlula leyi nga na vuxaka na mudyondzi: endzeni na le handle Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Nyika mudyondzi un'wana na un'wana "hupisi". (Mudyondzisi u komba vadyondzi maendlelo ya nghigiriko hi ku vula marito lawa: (endzeni na le handle). Va fanele ku tlulela endzeni na le handle ka hupisi ku ya hi swiletelo swa mudyondzisi. - Yima hi nenge wun'we endzeni ka hupisi na nenge lowun'wana ehandle ka hupisi. - Teka bokisi u lerisa vadyondzi ku tlulela endzeni na le handle va tlhela va vula leswaku mudyondzi u le endzeni kumbe ehandle. - Tlulela endzeni na le handle ka thayera tani hi xiphemu xa nghigiriko wa vutiolori. - Tlulela endzeni na le handle ka hupisi u pfarile mahlo. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Veka xipopana (n'wana) endzeni ka ximbedwana xa n'wana kutani u xi humesa. - Hoxa bolo kumbe binibege endzeni ka hupisi kumbe thayera. - Va tirhisa vumba ku endla bolo kutani va byi tshikelela byi andialeka (xisaka xa swinyenyana); a va vumbe swibolwana (matanza) swa ku tlula xin'we switsongo va veka endzeni kumbe ehandle ka xisaka hi ku leteriwa hi mudyondzisi. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2 Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Languta xifaniso va vona loko va ta kuma minchumu leyi kombisaka minongoti ya endzeni na le handle. - Va tidirowa va ri endzeni ka hupu/ bavhu/ na sw. na sw. | | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Vhiki ra 2 Ndzetelo | Nkarhi lowu ringanyetiweke wo dyondzisa : | Nkumbetelo wa nkarhi | |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 3.2 Minchumu ya matlhelo ma3 | <p>Ku aka minchumu ya matlhelo ma3 hi ku tirhisa leswi khomekaka</p> <ul style="list-style-type: none"> • Ku valanga tindlela to tala to aka tibuloko hi nkarhi wa ku tlanga va tshunxekile endzeni ka tilasi. <ul style="list-style-type: none"> - Ntirho wa mudyondzisi i ku fambisa ntlangu lowu. - Valanga tindlela to tala to aka tibuloko hi ku letela vadyondzi ku aka xivumbeko xa vuandlalo, thwixi (xihondzo) henhla na le hanshi. - Hlawula ku ya hi swihlawulekisi na ku xaxameta tibuloko to hambanahambana hi ku yelanisa na swivumbeko leswi fanaka. - Hlawula tibuloko hi ku ya hi vukulu na vutsongo. - Mudyondzi un'wana na un'wana u kuma tibuloko tinharhu ta yinhlamune kutani a swi veketela hi tindlela to hambana-hambana leti a nga ti kotaka xikombiso, a tilongoloxa, a tipaka hi tindlela to hambana-hambana. - Vadyondzi va nga pimanisa na ku encenyeta van'wana na ku avelana tibuloko hi vambirhi-mbirhi ku va endla va lemuka hi matshamelo. - Kondletela ku pakiwa ka tibuloko to aka hi tona ku ya hi leswi vekisiweke xiswona endzhaku ka xelefu hi ku swi yelanisa na maendlelo lama fanaka. | <p>Tibuloko ti fanele ku pakiwa etixelufini, yi humelerisa erivaleni tibuloko to hambanahambana endzhaku ka tixelufu.</p> <p>Switirhisiwa swo tala swo fana na minchumu leyitsongo (swifaniso/ swikandza leswi namrhetiweke eka swiambalo hi tiphekisi) swimovhana swo tlangisa, swifuwo, Mimfungo ya le mapatwini na sw. na sw. swi fanele ku va kona.</p> | <p>Siku rin'we, tlhela u vuyelela hi nkarhi wo tlanga va tshunxekile siku rin'wana na rin'wana</p> |





| <p>Vhiki ra 2 Ndzetelo</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki)</p> | | <p>Nkumbetelo wa nkarhi</p> |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>3.2 Minchumu ya mathelo ma3</p> | <p>Hlamusela, hlawula ku ya hi mihlovo ya masungulo, wasi, wo tshwuka na xitshopana na ku pimanisa minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 Kombisa muhlovo wun'we hi nkarhi wun'we. U nga yelanisi muhlovo wun'we na xivumbeko xin'we. Ava vadyondzi hi mintlawa yi5. Nyika ntlawa wun'wana na wun'wana nhulu ya minchumu leyi hlovohatiweke ya mathelo ma3 na swivumbeko swi2.</p> <ul style="list-style-type: none"> - Mudyondzisi u tivisa muhlovo wun'wana na wun'wana hi ku kombisa khadi leri nga ni muhlovo lowu a lavaka vadyondzi ku va wu tiva xik.muhlovo wa wasi. A vuyelela muhlovo wun'wana na wun'wana. - Vadyondzi a va hlawuli minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi makhadi lama kombisiweke. <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Tsema swirhendzevutana swa makhadibodo swa mihlovo yo hambanahambana (tshwuka, xitshopana na wa wasi) kutani u vekela exifuveni xa mudyondzi. - Tshika vadyondzi va ti lulamisa hi ku ya hi mihlovo yo hambana-hambana. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi u vitana vadyondzi va nthanu emahlweni kutani a va nyika minchumu yo hambana-hambana ya mathelo manharhu ku va yi khoma hi voko. - Lavan'wana va sala va tshamile emintlaweni ya vona na nhulu ya minchumu ya mathelo manharhu exikarhi ka matafula ya vona. - Mudyondzi wo sungula emahlweni u yimisela ehenhla nchumu wa mathelo ma3 xik. Buloko ya yunifikisi ya wasi kumbe xivumbeko xa Logi xa xirhendzevutana xa xitshopana kumbe xiphazamiso, na sw. na sw. - Vadyondzi lava nga ematafuleni va hlawula minchumu yo hambanahambana ya mathelo ma3 ku ya hi leswi mudyondzi a swi yimiseke. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi u lulamisa pende yo kandziyisa rintitso ka ha ri na nkarhi. - Vadyondzi va dirowa swivumbeko va tirhisa pende yo kandziyisa tintitso. - Kandziyisa swivumbeko swa mathelo ma2 kutani u swi hlovohata. | <p>Minchumu yo hambana ya mathelo ma3 na swivumbeko swa mathelo ma2/ swifaniso leswi nga etililasini, xik; swipfalo swa mabodihela, tibuloko ta Lego, swivumbeko leswi hlovohatiweke swa Logi. na sw. na sw. Makhadi ya mihlovo wa wasi, wo tshwuka, xitshopana.</p> <p>Minchumu yo hambanahambana ya swivumbeko swa mathelo ma2 na 3.</p> <p>Makhadibodo lama tsemiweke ya swirhendzevutana, lama lulamisiweke hi mudyondzisi ya muhlovo wo tshwuka, xitshopana na wasi.</p> <p>Minchumu yo hambanahambana ya swivumbeko swa mathelo ma3 leyi hlengeleliweke ka ha ri nkarhi leyi nga vekiwa exikarhi ka ntlawa wun'wana na wun'wana.</p> <p>Rhisiyo yo penda yo kandziyisa tintitso: khapu ya fulawuru 1 khapu ya chukela 1 mathonsi ya 3 ya ku hlovohata swakudya/ pende ya mapa tikhapu ta 5 ta mati yo vila (hakasa mati hi ka tsongotsongo)</p> | <p>Siku rin'we</p> |
| <p>3.3 Swivumbeko swa mathelo ma2</p> | | | |

| Vhiki ra 2 Ndzetelo | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | Nkumbetelo wa nkarhi |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 4.1 | <p>Ku landzelerisa swindleko swa yena n'wini swa masiku hinkwawo</p> <ul style="list-style-type: none"> - Tin'hweti ta lembe - Nkarhi | <p>Dyondzisa ro sungula chati ya masiku ya ku velekiwa</p> <ul style="list-style-type: none"> - Tumbuluxa chati ya masiku ya ku velekiwa leyi nga hlovohatiwa xik.xitimela xa matorokisi ya 12(ya n'hweti yin'wana na yin'wana) – tin'hweti ti longoloxiwile ku suka eximatsini ku ya exineneni xa matorokisi. Vekela vito na mfungho/ xifaniso xa mudyondzi un'wana na un'wana eka chati ya masiku ya ku velekiwa eka n'hweti ya masiku yo velekiwa leyi faneleke. - Ndlandlamuxa ndzemuko wa ntwisiso wa nkarhi, xik hi ku yimbelela risimu ra tin'hweti ta lembe va ri karhi va kombetela tin'hweti. - Ndlandlamuxa ndzemuko wa ku hlaya mathelo, xik; kombisa lebulu ya n'hweti yin'wana na yin'wana ya lembe hi ntila ku suka eximatsini ku ya exineneni. - Tshika vadyondzi va komba Mimfungho / xifaniso no bela enhlokweni n'hweti leyi va nga velekiwa hi yona. - Khutaza vadyondzi ku tiva malembe ya vona. - Vuyelela nghingiriko lowu nkarhi na nkarhi. | <p>Chati ya masiku ya ku velekiwa leyi nga na tin'hweti ta lembe ta khumambirhi yi fanele ku kombisiwa ku suka eximatsini ku ya exineneni. Xidlodlo kumbe xifaniso xa khekhe ra siku ra ku velekiwa xi kombisa masiku ya ku velekiwa lama nga hundza. Masiku ya ku velekiwa lama nga se fikaka a ma na xidlodlo kumbe khekhe.</p> <p><i>Rsimu : Tumbuluxa mayimbelelelo ya wena</i> <i>“Sunguti, Nyenyenyani, Nyenyankulu,</i> <i>Dzivamisoko, Mudyaxihi, Khotavuxika, Mawuwani,</i> <i>Mhawuri, Ndzhati, Nhlangua, Hukuri, N'wendzambahala.</i></p> |
| | <p>Lembe hinkwaro loko ku ri na siku ra ku velekiwa.</p> |  | <p>Xiya :</p> <ul style="list-style-type: none"> • Siku ra ku velekiwa ra mudyondzi i ra nkoka, kutani ku fanele ku vekiwa nkarhi laha tilasi hinkwayo yi nga ta yimbelela “Happy Birthday” kutani va phokotela mavoko ku ya hi nomboro leyi yimelaka malembe yo velekiwa ya mufana/ nhwanyana. • Mudyondzi un'wana na wun'wana u dirowa xifaniso kutani mudyondzisi a hlangeleta leswi vadyondzi va nga swi dirowa a swi veka ebukwini ya masiku ya ku velekiwa ya mudyondzi loyi a tlangelaka masiku ya ku velekiwa. • Mudyondzisi a nga endla xidlodlo xa mufana kumbe nhwanyana loyi a tlangelaka siku ra ku velekiwa kutani vadyondzi va nga xi khavisa hi ku namarheta minchumu yo hambanahambana. • Nghingiriko lowu wu fanele ku endliwa lembe hinkwaro, loko ku ri siku ro velekiwa ra wo karhi. |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Vhiki ra 3 Ndzetelo | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Nhlokomhaka | | | |
| 1.1 Ku hlayela minchumu | <p>Pmanyeta na ku hlayela minchumu ya masiku hinkwawo hi ku tshembeka</p> <ul style="list-style-type: none"> Ku hlayela hi nomo siku na siku Ku hlayela hi ku swi bela enhlokweni/ risimu ra tinomboro leti sukaka eka 1 ku fika eka 5 Yimbelela tinsimu ta tinomboro na swinsin'wana. <p>Hambileswi vadyondzi va nga hava ntwisiso wa nomboro loko va amukeriwa eka Giredi ya V va fanele ku khutaziwa ku yimbelela swinsin'wana swa tinomboro na tinsimu na ku hlaya hi ku swi bela enhlokweni hi siku na siku.</p> <p>Ku kombisa na ku hlayela swirho swo hambana-hambana swa miri. (Xivumbeko xa miri)</p> <p>Ku hlayela hi nomo siku na siku hi ku bela enhlokweni ku suka eka 1 ku fika eka 5</p> <p>Ku dyondza hi ku tirhisa swirho (Pfanganisa na dyondzo ya Vutshila -Vuhlayiseki bya wena)</p> <ul style="list-style-type: none"> Ndlandlamuxa ndzemuko wa nomboro ya swiphemu swa miri swo hambana-hambana hi ku swi hlayela. Ndzi kombi nhompfu ya wena u tlhela u yi hlayela. Xana u na tinhompfu tingani? Ndzi kombe tindleve ta wena u tlhela u ti hlayela? I tingani? Xana ti engeteleke hi yin'we? A hi hlayeli hi ya emahlweni. Ndzi kombe mavoko ya wena. I mangani? A hi hlayeli. I yini swin'wana u swi vonaka emavokweni ya wena? I tintiho! Xana u nga ti hlayela? A hi hlayeleni? A hlayeleni tintiho ta voko rin'we: 1, 2,3,4,5. I mahlo mangani? Hlayela tindleve na mahlo ya wena. Khumba tindleve na mahlo loko u hlayela, sungula hi tindleve ta wena. Tshama u langutana na munghana wa wena kutani u hlayela swirho swa miri wa yena kamba sungula hi ku swi khumba kutani u swi hlayela. Mudyondzisi u ta letela maendlelo.xik. Khumba ndleve ya munghana, khumba na leyi n'wana kutani u hlayela: 1,2. Xana ti fana na ta wena?Yisa emahlweni ngingiriko lowu. Komba swirho swa miri leswi nga xin'we-xin'we eka munhu, xik; nhompfu yin'we,nomo wun'we,xilebvu xin'we, na sw.na sw. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> Tilanguta exivonini kutani ti kandziyisa/ tidirowa. Dirowa xivumbeko xa miri wa vona eka nyuziphepheni kutani va khavisa hi mfanelo. Dirowa ntla wa le xikarhi. Tsema swifaniso swa swirho swa miri swo hambana-hambana eka magazini kumbe eka xinavetiso kutani u hetisa xikandza. Tsema xikandza ku suka eka magazini kutani u dirowa swirho leswin'wana swa miri leswi nga sala. | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Risimu ra ku cina/swinsin'wana</p> <p>Swiphazamiso / Mintlangu leyi yimelaka vanhu vo hambanahambana na swivumbeko swa miri</p> <p>Mintlangu ya makhadi</p> <p>Vadyondzi</p> <p>Xivoni xo leha</p> <p>Phepha ra A4, tikhirayoni</p> <p>Timagazini, swinavetiso, Tifulayara, swikero</p> | <p>Siku na siku</p> <p>Siku rin'we</p> |

| <p>Vhiki ra 3 Ndzetelo</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki)</p> | | <p>Nkumbetelo wa nkarhi</p> |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhiswa leswi bumabumeriweke</p> | <p>Vadyondzi</p> |
| <p>3.4 Ndzinganiso</p> | <p>Lemuka ntila wa ndzinganiso eka wena n'wini Ndlandlamuxa ndzemuko wa leswaku miri wa munhu wu na mathelo mambirhi. Ku dyondza hi ku tirhisa swirho Tshikelela minongoti ya tihelo rin'we/ tihelo lerin'wana Mudyondzisi u vulavula na vadyondzi hi le mahlweni, ndzhaku, henhla na le hansi ka miri. Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tilangufa exivonini laha va nga ta kota ku vona miri wa vona hinkwawo. - Kombisa swirho swa miri leswinga kona eka tihelo lirin'we na lerin'wana ra miri wa vona. - Khumba swirho swa miri wa vona tanihi laha swi lavekaka ka kona. Xik, " Khumba swikun'wana, minkondzo na milenge ya wena". Vadyondzi va nga ha endla nghingiriko lowu mahlo ya vona ya pfariwile. - Vadyondzi va khumba xirho xin'we xa miri wa vona hi xirho xin'wana xik; khumba tsolo hi nhompfu, na sw.na. sw.(ka ha ri nghingiriko wo hongakanya ntila wa le xikarhi) | <p>Vadyondzi</p>  <p>Xivoni xo leha Mudyondzisi u ta tihavetela tinerete ehenhla ka khadibodo ro tsindziyela ku ta hambanisa swirho swa munhu.</p> | <p>Siku ri'we</p> |
| <p>3.2 Minchumu ya mathelo ma3</p> | <p>Lemuka, komba na ku vula mavito ya tibolo</p> <ul style="list-style-type: none"> - Vadyondzi va tlanga hi tibolo va kombisa ku vula swilo hinkwaswo leswi va nga swi endlaka hi bolo. Mudyondzisi a rhangela nkanerisano hi swivutiso. - Komba minchumu hinkwayo leyi nga khungulukaka xik; kombisa tibuloko kutani u vutisa swivutiso: u ehleketa leswaku buloko yi nga khunguluka xana? A hi voneni. - Khunguluxa minchumu hinkwayo kutani u xiya leswi yi khungulukisaka xiswona, xik; mathini ma khunguluka eka tihelo rin'we ntsena. - Tirhisa vumba ku vumba tibolo leti nga khungulukaka hi nkarhi wa mgingiriko ya vutumbuluxi (va tlanga va tshumxekile etiliasini). - Hi nkarhi wa vutiori vadyondzi va nga vumbuluka hi minhiana va etelele kumbe ku khunguluka ku fana na bolo. | <p>Minchumu ya xirhendzevutana xikombiso; malamula, maapula, tibolo, matini ya swirhendzevutana (endla bolo hi swilo leswi nga vangiki thyaka xikombiso; hoxa tinyuziphepha endzeni ka mulenze wa khale.) Minchumu leyi nga na xikwere xik. tibuloko Rhisipi ya vumba byo tlangisa: Khapu ya filawuru 1 Khapu ya munyu 12 Khapu ya mati 1</p> | <p>Siku ri'we</p> <p>hianganisa swichelachelana</p> <p>Swilepulana swa 2 swa mafura a ku sweka Mathonsi matsongo ya ku hlovohata swakudya</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki ra 3 Ndzetelo | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhiswa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 3.3 Swivumbeko swa mathelo ma2 | <p>Lemuka,kombisa, na ku vula swivumbeko swa mathelo mambirhi etillasini na le ka swifaniso</p> <ul style="list-style-type: none"> - xirhendzevutana • Dyondzisa xirhendzevutana ro sungula <p>Loko ku tivisiwa swirhendzevutana ro sungula minchumu leyi tirhisiwaka yi fanele ku fana hi tindlela hinkwato(sayizi yo fana,muhlovo wo fana, ku khwaxa kumbe ku olova loku fanaka).</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Mudyondzi u dirowa swirhendzevutana efulurini/ ehansi. Vadyondzi va famba ehandle ka xirhendzevutani va ri karhi va vula leswi "Ndzi famba etihelo ka xirhendzevutana....., ndzi ri karhi ndzi rhendzeleka, rhendzeleka"</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - khomana hi mavoko va endla xirhendzevutana. - Vumba xirhendzevutana hi miri ya vona. - Vadyondzi va rhendzeleka hi xirhendzevutana va ri karhi va yimbelele risimu ra "xihlahla rhendzeleka". - Tshamani ehansi exirhendzevutananani mi nyiketana khala ro hisa mi ri karhi mi yimbelele xinsiwana xa ``khangala khangala". Loko mudyondzi a ha khomile khala risimu ri miyela, u fanele a ya tshama endzeni ka xirhendzevutana. | <p>Risimu, "Xihlahla,rhendzeleka rhendzeleka,</p> <p>Xihlahla,jika jika.</p> <p>Xihlahla hakasa hakasa. " .</p> <p>Ntangu, 'Khangala khangala,</p> <p>Khangala khangala</p> <p>Teka kala ra wena</p> <p>Ndza tshwa hi ndzilo,hundzisele emahlweni".</p> | Siku rin'we |
| | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Mudyondzisi u komba vadyondzi hupisi a va hlamusela leswaku xivumbeko lexi xi vuriwa xirhendzevutana. Xirhendzevutana a xi na tikhona.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Khoma hupisi ya mathelo manharhu va ri karhi va yi rhendzelekisa hi rintitho. - Kuma minchumu ya mathelo manharhu etillasini leyi nga na swivumbeko swo fana na xirhendzevutana. <p>Ava na ku pimanisa minchumu ya mathelo ma3 ku ya hi sayizi na muhlovo</p> <p>Mudyondzisi u nyika vadyondzi minchumu ya tinxakaxaka ya mathelo ma3 na swivumbeko swa mathelo ma2 leswi hambanaka hi tisayizi (vukulu na vuntsongo) na muhlovo (wo tshwuka,wa xitshopana na wa wasi,) wo fana na bolo ya thenisi,timhavula,tibaluni na sw. na sw.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlawula minchumu hi ku ya hi vukulu na vuntsongo. - Ava minchumu ku ya hi mihlovo yo hambanahambana. | <p>Hupisi</p> <p>Tinxakaxaka ta minchumu ya xirhendzevutana ya mathelo ma3 yo fana na bolo ya tithenisi, timhavula na tibaluni na sw.na sw.</p> <p>Swivumbeko swa mathelo ma2 swo fana na swirhendzevutana swa pulasitiki swa mathelo mambirhi leswi tsemiweke.</p> | Siku rin'we |

| <p>Vhiki ra 3 Ndzetelo</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki)</p> | | <p>Nkumbetelo wa nkarhi</p> |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhiswa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>4.1 Nkarhi</p> | <p>Dyondzisa chati ya ta maxelo ro sungula</p> <p>a) Nkarhi</p> <p>b) Masiku ya vhiki</p> <p>c) Ndzandzelelano wa swiendleko</p> <p>d) Ku hlayela</p> <ul style="list-style-type: none"> - Maxelo lama yimelaka vhiki (5 wa masiku) ku tirhisiwa makhadi ya mimfungo. 5 wa masiku ya vhiki ma xaxametiwe ku suka eximatsini ku fika exineneni ku tirhisiwa mimfungo ya maxelo. (Languta xikombiso lexi nga laha hans) - Ta maxelo ti fanele ku endliwa masiku hinkwawo. - Mudyondzisi a letela vadyondzi ku kumisisa vito ra siku, siku na n'hweti leyi nga na makhadi ya swikombakombana tanihi le ka dayagiramu (endzhaku vadyondzi va nga komba na ku kombisa makhadi ya swikombakombana hi voxex). - Murhangeri wa siku a xiyaxiya maxelo ehandle kutani a byela n'itawa hinkwawo leswi a swi kumeke, xik; mpfula, mapapa, dyambu. - Mudyondzisi a kombisa leswi a swi kumeke hi khadi ra xikombakombana tanihi le ka dayagiramu (endzhaku vadyondzi va nga kombiusa makhadi hi voxex). - Hi ku endla leswi vadyondzi va dyondza masiku ya vhiki na ku hela ka vhiki. - Va dyondza hi siku ra namuntiha, tolo, mundzuku na sw. na sw. swi nga languteriwanga. - Vadyondzi va nyikiwa minkarhi yo tala yo hlayela ku ya fika eka 5. A hlayela masiku yo hisa, titimela, ya moya na sw. na sw. - Kombisa mimfungo ya vadyondzi loko ku ri na masiku yo velekiwa vhiki rero. - Kombisa migingiriko yin'wana na yin'wana leyi humelelaka hi vhiki rero. Xik. Ku ya eZoo (swi seketeriwa hi xifaniso xa xiharhi), | <p>Chati ya ta maxelo yi fanele yi va ya vhiki xik; masiku ya vhiki ma xaxametiwiwe ku suka eximatsini ku ya exineneni ku suka eka tin'hweti ta tsevu to sungula ta lembe naswona va tirha hi swona masiku hinkwawo.</p> <p>Makhadi ya swikombakombana swa:</p> <ul style="list-style-type: none"> - Masiku ya nkombo ya vhiki - tinomboro 1 ku fika eka 31 - Mavito ya tin'hweti ta 12 - Lembe xik; 2012 - Makhadi lama nga na xiyimo xa ta maxelo xik; | <p>Endzhaku ka loko chati ya ta maxelo yi tivisiwile, nghingiriko lowu wu va kona masiku hinkwawo.</p> |
| | | <p> Ku na moya</p> | <p>Dyondzisa vadyondzi risimu leri nga na masiku ya vhiki leri va nga ta ri bela enhlokweni</p> |
| | | <p> Ku na dyambu</p> | |
| | | <p> Ku na mpfula</p> | |
| | | <p> Ku na mapapa</p> | |







Vhiki ra 3
Ndzetelo

Nkarhi lowu ringanyetiweke wo dyondzisa :
Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)

| | | | |
|-------------|----------------------|----------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhiswa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
|-------------|----------------------|----------------------------------|----------------------|

Xikombiso xa chati ya ta maxelo

Chati ya maxelo
Khotavuxika 2012

| Sonto | Musumbhunuku | Ravumbirhi | Ravunharhu | Ravumune | Ravunthanu | Mugqivela |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 12 |  | 13 | 14 | 15 | 16 | 17 |
| | |  |  |  |  |  |

4.1

Nkarhi

Ndzanzelelano wa swiendleko swa vutomi bya masiku hinkwawo

• Masiku ya vhiki

Mudyondzisi a dyondzisa vadyondzi tinsimu kumbe swinsin'wana swo vulavula hi masiku ya vhiki. Swi vuyeleli masiku hinkwawo loko ku kanerwa hi chati ya maxelo.

Risimu:

“Ku na masiku ya nkombo, ku na masiku ya nkombo, ku na masiku ya nkombo evhikini.

“Sonto, Musumbhunuku, Ravumbirhi, Ravunharhu, Ravumune, Ravunthanu, Mugqivela” (X2)

• Dyondzisa ro sungula chati leyi kombisaka tinguva ta mune hi nseve lowu kombaka:

- Xana sweswi hi le ka nguva yihi?
- I nguva yihi leyi ya ha ku hundzaka?
- Xana nguva leyi landzelaka hi yihi?
- Kombisa hi xifaniso nguva leyi hi nga eka yona u swi yelanisa na n'hweti leyi faneleke, xik. Sunguti ku fika eka Nyenyankulu, u nga kombisa xifaniso xa ximumu.

Risimu: Masiku ya vhiki, kumbe qambha risimu ra wena ra masiku ya vhiki.

Mune wa makhadi yo hambana lama nga na swifaniso swa tinguva.

Nguva



Ximumu Ximun'wana Xixikana Xixika


Cinca loko tinguva ti cinca na tona.


Tinotsi:

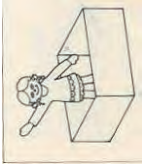
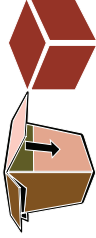
Minongoti hinkwayo leyintshwa yi fanele ku vekiwa ku ya hi magoza lama.

- Goza ra ku dyondza hi ku tirhisa swirho (ku tokota minongoti hi miri na switwi)
- Goza ra ku dyondza hi leswi khomekaka (tirhisa Minchumu ya mathelo ma3)
- Goza ra ku dyondza hi minchumu leyi khomekaka yo ka yi nga hetisekanga (vuyimeri bya nchumu wa mathelo ma3 ephepheni, xik; swo dirowiwa, yelanisa swifaniso, mintlangu ya makhadi, maphepha yo tirhela eka wona, na sw. na sw.). Swivumbeko hinkwaswo swa “vuandlalo” swi tekiwa swi ri swa mathelo mambirhi.

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 1.1 Ku hlalela minchumu | <p>Kombisa u tlhela u hlamusela tinomboroxiheri Dyondzisa ro sungula nhlamuselo ya nomboro 1.</p> <p>Ku hlalela hi nomo siku na siku hi ku bela enhlokweni ku suka eka 1-5</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Komba swirho swa miri, xik. Nhompfu yin'we. - Ku pfumela hi nhloko kan'we, u gima hi nenge ehansi kan'we, ku tlula kan'we, na sw. na sw. - Yimisela rintoho rin'we ehenla, voko rin'we, nkondzo wun'we. - Va vumba nomboro 1 hi miri ya vona. - Va tsala nomboro 1 emoyeni/ ehansi - Va phokotela mavoko kan'we ntsena. | <p>Tinsimu ta tinomoro na swinsin'wana</p> <p>Vadyondzi</p> | Siku rin'we |
| | <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kombisa nchumu wun'wana na wun'wana wun'we etlilasi, xik. buloko yin'we. - Vumba nomboro 1 hi vumba/ vumba byo tlangisa | Minchumu ya le tlilasi na le ka mbango | |
| | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kombisa xifaniso lexi nga na nchumu wun'we eka makhadi ya swikombakombana swo hambanahambana - Yelanisa makhadi ya swifaniso lama nga na nchumu wun'we eka khadi leri nga na thonsi rin'we. - Nkarhi hinkwawo yelanisa makhadi ya swifaniso na makhadi ya mathonsi na nomboro leyi fanaka ya swo hlalela hi swona, xik; paka nomboro leyi fanaka ya swo hlalela hi swona eka nomboro yin'wana na yin'wana. - Endzhaku ka ku tivisa nomboro 1, mudyondzisi u kombisa makhadi ya swikombakombana ekhumbini leswaku vadyondzi va ta swi languta siku na siku | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">Xifaniso xa nchumu wun'we</div> <div style="border: 1px solid black; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">●</div> </div> <p>Xo hlalela hi xona xa mudyondzi un'wana na un'wana</p> <p>Tinxakaxaka ta swifaniso swa makhadi ya swikombakombana</p> <p>Khadi ra xikombakombana ra thonsi</p> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>2.1 Tipatironi ta xiJometiri</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Kombisa tipatironi eka mbangu na le ka swiambalo swa vadyondzi Pfumelela vadyondzi va: <ul style="list-style-type: none"> - Vulavula hi tipatironi leti va ti xiyaxiyeke eka mbangu na le ka swiambalo swa vona: - I tipatironi tihhi leti nga ni tilayini, tibuloko? - Xana tipatironi leti ta fana hinkwato ke? Hi kwihi ku hambana kumbe ti fana njhani? - Xana i yini swi endlaka patironi? - Patironi ya vuyelela -tilayini/ tibuloko/ swivumbeko. <p>Kopa u tlhela u ndlandlamuxa patironi</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Mudyondzisi a boha rhiboni yo tshwuka na ya wasi emavokweni ya vadyondzi va mune. U tumbuluxa patironi hi ku yisa emahlweni mudyondzi loyi a nga na rhiboni yo tshwuka emahlweni ka tilasi ku landzele mudyondzi wa rhiboni ya wasi, ku landzela mudyondzi wa rhiboni yo tshwuka. Tshika vadyondzi va hetisa tipatironi.</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi a tumbuluxa patironi hi swipfalo swa mabodhlela, 3 swa wasi na 3 swo tshwuka - Vadyondzi a va kope patironi ya mudyondzisi |  <p>Rhiboni yo tshwuka na ya wasi</p> | <p>Siku rin'we</p> |

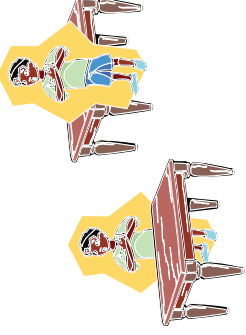
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>3.2</p> <p>Minchumu ya matihelo ma3 na</p> | <p>Lemuka, kombisa na ku vula minchumu ya matihelo ma3 na swivumbeko swa matihelo ma2 etiliasini na le ka swifaniso.</p> <p>Ndlandlamuxa vuswikoti byo hambanisa exikarhi ka minchumu leyi nga “emahlweni na le ndzhaku”</p> <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Mudyondzisi a veka swilo swo hambanahambana etiliasini na le handle erivaleni ro tlangela eka rona.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Komba minchumu yo hambanahambana etiliasini, xik. minchumu ya timhandzi, yo tshwuka, ya tipulasitiki, na sw. na sw. - Languta minchumu yo karhi etiliasini hi ku lerisiwa hi mudyondzisi, xik. bolo leyi nga xikhomelo xa tibuloko ta Lego, swimovhana swo tlangisa ekhabodweni, penisele ethinini, na sw. na sw. - Languta minchumu leyi fanaka, xik. Tikunupu ta xirhendzevutana exikarhi ka ta swikwere, mthavuta yo tshwuka exikarhi ta mihlovohlovo, na sw. na sw. - Hlawula minchumu hi ku ya hi muxaka, xik. sayizi, muhlovo, ku khwaxa kumbe ku olova kumbe xivumbeko. - Tlanga ntlangu, “ndzi vona yini hi mahlo ya mina, lexi xi nga xa xirhendzevutana...” - Languta minchumu yo karhi eka mbangu hi ku landza xileriso xa mudyondzisi, xik. Xinyenyana emurhini, rhiboni emurhini, xiluva xo saseka, risokoti ri fambaka etlukeni, na sw. na sw. - Ekaya mudyondzi u fanele ku khutaziwa ku humesa malepula hinkwawo, mikwana, tiforoko edirowarini. | <p>Minchumu ya tinxakaxaka etiliasini na le ka mbangu</p> | <p>Siku rin'we</p> |
| <p>3.2</p> <p>Swivumbeko swa matihelo ma2</p> | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <p>Komba vadyondzi xifaniso na ku va vutisa swivutiso swo yelana na xifaniso.</p> <p>Swikombiso:</p> <ul style="list-style-type: none"> - “Xana xin'hwanyetana xi khomile yini evokweni ra xona?” - “Xana ku na vanhu vangani exikepeni? na sw. na sw.” - Ku aka SWIPHAZAMISO na ku tlanga swifaniso swo domino i swa nikoka eka ku ndlandlamuxa ntwisiso wa vadyondzi wa minchumu leyi andlariweke ehansi. | <p>Xifaniso xin'wana na xin'wana lexikulu xo kanela hi xona (phositara)</p> <p>Swiphazamiso</p>  | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki ra 4 | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Nhlokomhaka</p> <p>3.2</p> <p>Minchumu ya mathelo ma3</p> | <p>Lemuka, komba na ku vula mavito ya minchumu ya mathelo ma3 hi ku valanga swivumbeko na tisayizi ta mabokisi Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tlulela endzeni na le handle ka bokisi ra khadibodo lerikulu - Valanga vundzeni bya bokisi hi ku vulavurisani hi leswi va swi vonaka endzeni ka bokisi, xik, bokisi ri na tshako/ le hansi, mathelo ya mune/makhumbi na xipfalo. - Petsa bokisi u ri pfula, u xiyaxiya xivumbeko <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Tirhisa mabokisi ku aka swivumbeko, xik; yindlu, garaji, (va endla swo akiwa hi mabokisi ya tisayizi to hambanahambana hi nkarhi wa Vutshila bya swo Voniwa). - Nyika vadyondzi minchumu yo hambanahambana yo fana na tikunupu, tibuloko ta yunifikisi, swipfalo swa mabodhela, ximanyo xa pulasitiki ra xinkwa. <p>Pfumelela vadyondzi va :</p> <ul style="list-style-type: none"> - Hlawula minchumu hi mintlawa hi ku fana ka mixaka ya wona. - Valanga ku hambana exikarhi ka minchumu - Valanga minchumu leyi nga ya xikhwere na leyi nga ya xirhendzevutana. - Hlawula minchumu hi ku ya hi muhlovo yo fanana. |  <p>Tinxakaxaka ta mabokisi lamakulu na lamatsongo (xigwitsirisi xo pfumala nchumu na bokisi ra xitofu)</p>  <p>Tibuloko ta yunifikisi, swipfalo swa mabodhela, ximanyo xa pulasitiki ra xinkwa, (vadyondzi va nga ta na swona hi le kaya)</p> | <p>Siku rin'we</p> |

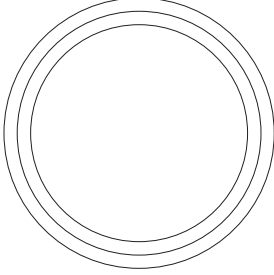
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki ra 4 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | | |
| 3.3 Swivumbeko swa mathelo ma2 | <p>Lemuka,komba, na ku vula swivumbeko swa mathelo ma2 etlilasi na le ka swifaniso</p> <ul style="list-style-type: none"> - Yinhlhanharhu <p>Dyondzisa yinhlhanharhu ro sungula</p> <p>Loko u tivisa yinhlhanharhu ro sungula tirhisa minchumu yo fana hi tindlela hinkwato (sayizi yo fana, muhlovo wo fana) na ku khwaxa na ku olova loku fanaka. Yinhlhanharhu yi na mathelo manharhu yo ololoka. Leswi swi vuriwa yinhlhanharhu.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla/ vumba swivumbeko hi swirho swa miri ya vona, xik. Vadyondzi va 3 va endla yinhlhanharhu hi miri ya vona. - Endla yinhlhanharhu hi ku tirhisa tintiho ta vona. - Endla/ vumba yinhlhanharhu hi ku tirhisa wulu kumbe vumba. - Famba ehandle ka xivumbeko xa yinhlhanharhu. Loko u ri karhi u famba vula u ku, "Ndzi famba ethelo ka yinhlhanharhu, n'we, mbirhi, mathelo manharhu kumbe n'we, mbirhi, tikhona tinharhu (engele). - Khumbha swivumbeko. Tirhisa sayizi leyikulu ya swivumbeko kumbe u veka swivumbeko swo hambana eka "bege yo twa hi ku khumbha". Vadyondzi va khumbha xivumbeko ebegeni na ku xi yelanisa na makhadi lama yelanaka. (makhadi lama nga dirowiwa swivumbeko). - Dirowa xivumbeko xa yinhlhanharhu emoyeni, ehansi eku heteleleni ephephehi. <p>Hlamusela, hlawula ku ya hi swihlawulekisi na ku pimanisa minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlawula swivumbeko swa logi hi ku ya hi swivumbeko(xirhendzevutana na yinhlhanharhu),(vukulu na vutsongo) na(muhlovo wo tshwuka,wa xitshopana,wa wasi) - Kuma swivumbeko swa yinhlhanharhu etlilasi na le ka mbangu. | <p>Mintlangu ya makhadi leyi ndlandlamuxaka vuswikoti byo lemuka swivumbeko</p> <p>Wulu kumbe vumba</p> <p>"Nkwama lowu vadyondzi va nga nghenisaka voko va twa leswi nga endzeni" (nkwama wa lapi lowu nga na rhekere ehenhla) na swivumbeko swo hambana swa xijometiri</p> <p>Yelanisa ntlawa wa makhadi lama nga na swivumbeko leswi dirowiweke</p> <p>Phepha ra A4 na khirayoni</p> <p>Swivumbeko swa logi</p> <p>Minchumu etlilasi na le ka mbangu</p> | Siku rin'we |



| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Hlamusela na ku kombisa tinomboroxiheri</p> <p>Tiyisisa vutivi lebyi kumekeke eka vhiki ra 4 lebyi nghenisaka nomboro 1</p> <p>Swanomo: ku hlayela hi ku bela enhlokweni ku suka eka 1 ku fika eka 5</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla swingengece swa le mirini, xik. Phokotela kan'we - Mudyondzisi a kombisa khadi ra xikombakombana leri yimelaka nomboro 1 na vadyondzi va yimisela rintoho ri1 ehenhla, voko na nkondzo, na sw. na sw. <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kuma nchumu wun'we etillasini. - Hlaya xo hlayela hi xona xin'we. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <ul style="list-style-type: none"> - Yelanisa tinxaka ta xifaniso, na thonsi rin'we ra makhadi ya swikombakombana. - Yelanisa tinxaka ta xifaniso na makhadi ya swikombakombana swa thonsi na mfungho 1. - Yelanisa mfungho wa nomboro na makhadi ya swikombakombana lama nga na vito ra nomboro. - Endla Swiphazamisoswa nomboro kutani u pfumelela vadyondzi va swi yelanisa, xik. | <p>Tinsimu ta tinomboro na swinsin'wana</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa nchumu wu1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">●</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">N'we</div> </div> | <p>Siku rin'we</p> |
| | | <p>Nchumu wun'we</p> <p>Xo hlayela hi xona xin'we</p> | |
| | | <p>Makhadi ya swikombakombana ya tinxakaxaka ya xifaniso xin'we na thonsi rin'we</p> <p>Khadi ra xikombakombana leri nga na mfungho wa nomboro na vito ra nomboro</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa nchumu wu1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">●</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">N'we</div> </div> | |

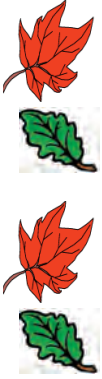
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>3.4</p> <p>Ndzinganiso</p> | <p>Tiyisisa ndzemuko wa leswaku miri wa munhu wu na matihelo mambirhi, xik. "tjhelo rin'wana" na "lerin'wana" leswi kongomisaka eka "ximatsi na xinene"</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Mudyondzisi a hlamusela matihelo mambirhi ya miri wa munhu.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Yima hi nenge wun'we kutani u yima hi lowun'wana. - Famba hi ku landza ncino wa xikokokoco ku suka eka tihelo rin'wana ra tiliasi. Loko mpfumawulo wa xikokokoco wu miyela, vadyondzi va ya eka tihelo lerin'wana ra tiliasi. <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Mudyondzi un'wana na un'wana a nyikiwa binibege.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Veka binibege ehansi kusuhi na vona. - Fambafambisa binibege yi ya ethelo rin'wana ra miri hi ku tirhisa swikunwana swa vona, mavoko, na sw. na sw. - Veka binibege ehansi hi tihelo ra miri wa vona kutani va xi yisa eka tihelo lerin'wana. - Tiyisisa nongoti lowu hi ku ti pfanganisa na Vutshila bya swo Voniwa hi ku tshika vadyondzi va endla switaniso swa maphapatana. <p>(Petsa phepha ri va hafu, thonisela swihalaki swa pende ya mihlovo yo hambanahambana eka ntla laha ku petsiweke; petsa hi le xikarhi kutani u hangalasa pende hi ku chukuchela xifaniso; pfula u xiyaxiya phapatana, tsema hi laha ri petsiweke hakona. Tsema hi le makumu ka ntla. Phapatana ri na matihelo mambirhi yo fana)</p> | <p>Munhu a nga tiendlela xikokokoco hi yexe hi xikhomelo lexi nga na xipfalu, xi cheriwa swiribyana.</p> <p>Mudyondzi un'wana na un'wana a va na binibege</p> | <p>Siku rin'we</p> |
| <p>3.2</p> <p>Minchumu ya matihelo ma3</p> | <p>Lemuka, komba na ku vula mavito ya minchumu ya matihelo ma3</p> <p>Dyondzisa ro sungula na ku valanga minchumu leyi khungulukaka</p> <ul style="list-style-type: none"> - Kanelani hi hilaha minchumu yi nga xirhendzevutana hakona. Veka minchumu yi nga ri mingani ya xirhedzevutana endzeni ka binibege. Vadyondzi va teka xan'wanchumu kutani va hlamusela hi vurhendzevutana bya wona. - Vadyondzi va kombisa hilaha minchumu yi khungulukaka hakona exiehiweni hi ku veka switina swimbirhi ehansi ka milenge ya tafula. | <p>"Nkwama lowu vadyondzi va nga nghenisaka voko wa twa leswi nga endzeni" (nkwama wa lapi lowu nga na rhekere ehentla)</p> <p>Endzeni ka nkwama ku na:</p> <p>Tibolo to hambana hi sayizi, timhavula, siindara, swithinani swa namuneti swo ka swi nga ri na nchumu, swivumbeko swa swirhendzevutana swa pulasitiki kumbe swipfalo swa mabodhlela.</p> | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>3.1 Xiyimo, ndzetelo na mathelo</p> | <p>Xiyimo xa minchumu mimbirhi kumbe ku tlula leyi nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> - Emahlweni / endzhaku <p>Ku dyondza hi ku tirhisa swirho:</p> <p>Mudyondzisi a hlawula vadyondzi vambhiri hi xinsin'wana xa tinomoro:</p> <ul style="list-style-type: none"> - Veka switulu swimbirhi emahlweni ka tiliasi. - Vadyondzi lava vambirhi va kombisa minongoti ya emahlweni na le ndzhaku hi ku landza xileriso xa mudyondzisi. Xik. <ul style="list-style-type: none"> o Sipho u yime emahlweni ka xitulu o Musa u yime endzhaku ka xitulu - Loko va swi kotile, mudyondzisi u yimisela ehenhla khadi ra xikombakombana kutani vadyondzi va kombisa endlelo leri hi ku tirhisa switulu swa vona. - Leswi swi nga kombisiwa hi ku tirhisa vadyondzi vanharhu. <ul style="list-style-type: none"> o Amu u yimile endzhaku ka Sipho, kambe Musa u yimile emahlweni ka Amu. - Mudyondzisi u nyika vadyondzi dayizi lerikulu leri nga na swifaniso swo hambanahambana, leswi kombaka "emahlweni kumbe endzhaku" swi tsariwe etihelo, xik. Yima emahlweni ka un'wana loyi a nga na misisi yo leha, yima endzhaku ka un'wana loyi a ambaleke buruku; tshamani endzhaku ka un'wana na un'wana, na sw. na sw. - Vadyondzi a va tiange ntlangu hi mintlawa hi ku hoxa dayizi kutani va tianga ntlangu lowu dayizi ri welekeka wona. | <p>Switulu Vadyondzi</p> <p>Makhadi ya swikombakombana lama nga na swiendlo swo komba emahlweni na le ndzhaku</p>  | <p>Siku rin'we</p> |



| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| 3.2 Minchumu ya mathelo ma3 | <p>Pimanisa nhlengelo wa minchumu yimbirhi leyi nyikiweke leyi nga yikulunyana na yitsongonyana</p> <ul style="list-style-type: none"> Tiyisisa minongoti ya yikulunyana na yitsongonyana <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> Endla miri wa vona wu kula hi ku tsanyusa mavoko ehenhla ka tinhloko ta vona. Endla miri wu va wutsongo hi ku korhamela ehansi na ku ishambulukela ehenhla. Kumisisa loko mbyana yi ri yikulu eka kondlo. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Nkarhi hinkwawo nyika kwalomu ka minchumu yimbirhi yo pimanisa ha yona.</p> <ul style="list-style-type: none"> Pimanisa tisayizi to ani hi timhandzi, tibolo hambanahambana ta tibuloko ta muxaka lowu fanaka, tipuleti, tibolo, tikunupu, matafula, xitulu, na sw. na sw. kutani va kuma leswaku i minchumu yihi leyi nga "yikulu/yintsongo," na " yikulu ngopfu/yitsongo ngopfu" Aka muako hi tibuloko to aka hi tona kutani vadyondzi va pimanisa leswaku i muako wa mani wu nga wukulu ngopfu naswona i wa mani wu nga tsongo ngopfu. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangji swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> Pimanisa swifaniso leswi kombisaka minongoti ya vukulu/vuntsongo Tirhisa nongoti ya vukulu / vuntsongo hi nkarhi wa Vutshila bya Vutumbuluxi. | <p>Xifaniso xa kondlo na mbyana (tiyisisa leswaku xifaniso xa mbyana xi kulu ku tula xifaniso xa kondlo)</p> <p>Minchumu etillasini yo fana na tibu loko,tibolo,tipuleti,tikunupu,vuhlalu ,swimhandzana, tiphekisi,mabokisi ya mecisi,mathini, swipfalo swa mabodhlela,tihumba,sw.n.sw.</p> <p>Swifaniso swo kombisa vukulu na vuntsongo</p> | Siku rin'we |


| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>3.2</p> <p>Minchumu ya mathelo ma3</p> | <p>Tinotsi to hlamusela</p> <p>Pimanisa nhlengelo wa minchumu yimbirhi leyi nga:</p> <ul style="list-style-type: none"> - yikulu na yitsongo - Yikulunyana na yitsongonyana - yikulu ngopfu na yitsongo ngopfu <p>Ku dyondza hi ku tirhisa swirho</p> <p>Mudyondzisi a dirowa xirhendzevutana lexisongo emisaveni, ehansi/efulurini.</p> <ul style="list-style-type: none"> - Vadyondzi va famba ehandle ka swirhendzevutana. <p>Mudyondzisi u dirowa xirhendzevutana lexikulu ehandle ka xirhendzevutana lexin'wana.</p> <ul style="list-style-type: none"> - Vadyondzi va famba ehandle ka xirhendzevutana lexikulu - Mudyondzisi a vutisa: <ul style="list-style-type: none"> o Xana i xirhendzevutana xihl xi nga xintsongo ngopfu? o I xirhendzevutana xihl xi nga xikulu ngopfu ke? o "Famba ehenhla ka xirhendzevutana lexisongo" o "Famba ehenhla ka xirhendzevutana lexikulu" <p>Mudyondzisi u dirowa xirhendzevutana lexikulu ngopfu ehandle ka lexo sungula.</p> <ul style="list-style-type: none"> - Vadyondzi va famba hi le handle ka xirhendzevutana lexikulu ngopfu ka swona hinkwaswo. - Mudyondzisi u vutisa swivutiso swo fana na: <ul style="list-style-type: none"> o "Hi xihl xa swirhendzevutana lexi xi nga xikulu ngopfu?" o "Hi xihl xa swirhendzevutana lexi xi nga xintsongo ngopfu?" | <p>Swirhendzevutana leswikulu na leswitsongo/leswi dirowiweke emisaveni/efulurini/ehansi.</p>  | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki ra 5 | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Nhiokomhaka</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3 Vadyondzi va hlawula ni ku pimanisa minchumu yo hambanahambana ku ya hi sayizi (vukulu,vutsongo)xik;</p> <ul style="list-style-type: none"> - Tikunupu letikulu eka letintsongo - Malepula lamakulu eka lamatsongo - Mabokisi lamakulu ku suka eka lamatsongo <p>Nghingiriko lowu wu nga ndlandlamuxiwa wu ya tlangiwa ehandle (ntlangu wa misava, ntlangu wa mati) laha vadyondzi va nga fananisaka minchumu kutani va bula hi ku i nchumu wihi wu nga wuntsongo/ wukulu, wuntsongo ngoptu na wukulu ngoptu.</p> <p>Wu nga tihela wu pfanganisiwa na Vutshiila bya swo Voniwa – endla kholaji hi ku tirhisa Minchumu leiylulu/ leyitsongo.</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2 Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tlanga mintlangu ya makhadi na ku komba swifaniso leswi nga switsongo/ leswikulu/ leswikulu ngoptu. - Vutisa swivutiso swo tani hi: Xana ku rhanje nhlampfi yihi? Kumbe hi yihi yo hetelela? Ya le xikarhi hi yihi? | <p>Tibuloko to aka hi tona na tibolo ta tisayizi to hambanahambana</p> <p>Tikunupu, malepula, mabokisi ya mirhi, mabokisi yatintangu, tikhathuni ta masi, swikhomelo swo ka swi nga ri na nchumu swa mirhi, na sw.na sw.</p>  | |
| | <p>Ku tirhisa maletere leswaku vadyondzi va swi lemuka leswaku swifaniso swi yimela marito. Vadyondzi a va fanelangi ku hlanya maletere.</p>  | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa: Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| 1.1 Ku hlayela minchumu | <p>Pimanyeta na ku hlaya minchumu ya masiku hinkwawo hi ku tshembeka</p> <p>Ku hlaya ka siku na siku</p> <ul style="list-style-type: none"> - Swanomo: ku hlayela hi ku bela enhlokweni/ hi ncino ku suka eka1 ku fika ka 5 - Yimbelela swinsin'wana swa tinomboro na swinsin'wana | Tinsimu ta tinomboro na swinsin'wana | Siku na siku |
| 2.1 Tipatironi ta xijometiri | <p>Kopunula na ku ndlandlamuxa tipatironi hi ku tirhisa mpfumawulo lowu humesiwaka hi ku bananisa swirho swa miri.</p> <p>Ku dyondza hi ku tirhisa swirho:</p> <ul style="list-style-type: none"> - Mudyondzisi u kombisa patironi ya mpfumawulo lowu humesiwaka hi miri kutani vadyondzi va kopela. <p>Xik: phokotela,phokotela, thwatatla tintiho, gima, thwatatla tintiho na sw.na sw.</p> <p>Ku tirhisa minchumu yo khomeka ya mathlelo ma3</p> <p>Kopunula patironi hi minchumu xik;</p> <ul style="list-style-type: none"> - Tirhisa tinxaka ta matluka to hambanahambana - Tirhisa swivumbeko xik.xirhendzevutana, xirhendzevutana, yinlhlanharhu, xirhendzevutana,..... - Tirhisa minchumu xik.phegi yo tshwuka, phegi ya wasi, phegi ya xiishopana, phegi yo tshwuka,..... <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tumbuluxa tipatironi ta vona hi makhadi lama nga na swifaniso xik:xiluva, tluka, tluka, xiluva,..... - Tumbuluxa tipatironi ta vona hi makhadi ya muhlovo xik: muhlovo wo tshwuka, wa wasi, wo tshwuka,..... - Hi nkarhi wa Vutshila byo Tumbuluxa vadyondzi va kandziyisa tipatironi hi ku tirhisa swivumbeko swa swiponci leswi nga tsemiwa | <p>Vadyondzi</p>  <p>Swivumbeko swa tilogi Tiphegi ta phegibodo</p> | Siku rin'we |

| Nkarhi lowu ringanyetiweke wo dyondzisa: Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki ra 6 | Nkarhi lowu ringanyetiweke wo dyondzisa: Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | Nkumbetelo wa Nkarhi | Nkumbetelo wa Nkarhi |
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| 3.3 Swivumbeko swa mathelo ma2 | <p>Lemuka, komba na ku vula vito ra xikwere</p> <p>Dyondzisa xikwere ro sungula Loko u tivisa xikwere ro sungula nchumu lowu tirhisiwaka wu fanele ku va wu fana hi tindlela hinkwato (sayizi, muhlovo na ku khwaxa kumbe ku olova loku fanaka). Xikwere xi na mathelo ya mune yo ringana. Lexi xi vuriwa xikwere.</p> <p>Ku dyondza hi ku tirhisa swirho:</p> <ul style="list-style-type: none"> - Tiliasi hinkwayo yi endla xikwere. - Vadyondzi a va fambe ehenhla ka xikwere lexi endliweke hi ntambu ekhapedeni va ri karhi va vula va ku: Ndzi famba ethelo ka xikwere – thelo rin'we, ra vumbirhi, ra vunharhu ra vumune – mathelo hinkwawo ma ringana? - Mintlawa ya vadyondzi a yi endli swikwere leswitsongo <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi u kombisa ku hambana exikarhi ka xirhendzevutana na xikwere hi ku yimisela xipfalu xa thini na thayilisi ya xikwere ehenhla. - Xipfalo xi twala xi ri xirhendzevutana loko thayila yi ri na makumu <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi u dirowa ehandle ka xipfalu na ka thayilisi. - Xipfalu xi yimela xirhendzevutana na thayilisi yi yimela xikwere. - Vadyondzi a va kandziyise xirhendzevutana xa xipfalu na thayilisi va tirhisa khirayoni. <p>Hlawula minchumu ya mathelo ma3 na swivumbeko kumbe swifaniso swa mathelo ma2</p> <p>Avanyisa vadyondzi hi mintlawa. Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlawula minchumu yo hambanahambana ya mathelo ma3 na swivumbeko swa mathelo ma2 leyi nyikiweke hi mudyondzisi ku ya hi tsayizi na muhlovo. - Tiyisa swivumbeko hi ku tianga mintlangu na ntlangu wa makhadi hi nkarhi wo tianga va tshunxekile.. | <p>Vadyondzi Ntambhu</p> <p>Xipfalo xa thini Thayilisi ya xikwere Swipfalo swo hambanahambana swa swirhendzevutana na Minchumu ya xivumbeko xa swikwere, Mahungu yo kandziyisiwa Tikhirayoni</p> <p>Swivumbeko swa makariti Minchumu ya mathelo ma3 yo fana na tibuloko, Tibuloko ta Lego Swivumbeko swa mathelo ma2 swo tani himintlangu leyi tiyisaka swivumbeko swo tani hi “Xana exikwereni ku na yini?”</p> | Siku rin'we |




| Nkarhi lowu ringanyetiweke wo dyondzisa: Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vhiki ra 6 | Nkarhi lowu ringanyetiweke wo dyondzisa: | Nkumbetelo wa Nkarhi | Switirhisiwa leswi bumabumeriweke |
| Nhlokomhaka | Tinotsi to hlamusela | Nkumbetelo wa Nkarhi | Switirhisiwa leswi bumabumeriweke |
| 3.2 Minchumu ya mathelo ma3 | <p>Lemuka, komba na ku vula minchumu leyi rhetaka ya mathelo ma3</p> <ul style="list-style-type: none"> • Dyondzisa ro sungula minchumu leyi kotaka ku rhetemuka ro sungula Nyika vadyondzi minchumu yo hambanahambana ya switirhisiwa swo khomeka swa mathelo manharhu na mathelo mambirhi swo tanihi tibuloko, mabokisi, tibolo na sw. na sw. - Vadyondzi a va tikumeli ntokoto hi ku tianga va vona leswaku i minchumu yihi leyi nga rhetemukaka na leyi yi nga khungulukaka. - Vadyondzi va nga tirhisa swo rheta erivaleni ro tiangela kumbe mudyondzisi a nga tirhisa tafula ku endla xiehlo hi ku veka tibiliko timbirhi ehansi ka rona. - Xana ku nga va ku ri na nchumu lowu nga rhetemukelaka ehenhla? - Xana ku nga va ku ri na nchumu lowu nga rhetemukelaka ehansi? - Hikokwalaho ka yini minchumu leyi yi kota ku rhetemuka ke? | Siku rin'we | <p>Tibuloko</p> <p>Tibolo</p> <p>Mabokisi</p> <p>Xirhetisi/ tafula leri nga na tibuloko</p> |
| 3.1 Ndhawu, ndzetelo na mathelo | <p>Hlamusela nchumu wun'we wa mathelo ma3 lowu nga na vuxaka na wun'wana</p> <ul style="list-style-type: none"> • Ndlamuxa nongoti wa ehenhla/ ehansi <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzi un'wana na un'wana u tshama ka xitulu xa yena. - Vadyondzi va yingisela swileriso swo mudyondzisi va swi landzelela loko va ri karhi va endla, xik.; tshama ehenhla ka xitulu xa wena, etlela ehansi ka xitulu. - Yima ehenhla ka xitulu xa wena. Tshama ehansi ka tafula. - Veka mavoko ya wena ehenhla ka nhloko. - Veka mavoko ya wena ehansi ka milenge ya wena. - Veka binibege ehansi ka khehele ra wena. - Tshama ehenhla ka binibege. - Khoma ntambhu ehansi ka matsolo ya wena. <p>Ku tirhisa minchumu leyi khomekaka ya mathelo ma3</p> <ul style="list-style-type: none"> - Pfumelela vadyondzi vambirhi ku khoma ntambhu yo tiula khadi kutani laman'wana hinkwavo etillasini va kasa hi matsolo ehansi ka ntambhu. - Lavani nchumu ehansi ka mete/ tafula/ bokisi, na sw. n sw. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi u nyika vadyondzi swifaniso swo hambanahambana laha nongoti wa ehenhla ka na ehansi ka wu kombisiweke, xik.; munhu a tshamile ehenhla ka hanci, n'wana a etlerile ehansi ka nkumba, sw. n sw. <p>Pfumelela vadyondzi ku:</p> <ul style="list-style-type: none"> - Kombisa minongoti ya ehansi na ehenhla ku suka ka swifaniso. | Siku rin'we |  <p>Siku rin'we</p> <p>Xitulu xa mudyondzi un'wana na un'wana</p> <p>Ehenhla ka tafula</p>  <p>ehansi</p> |

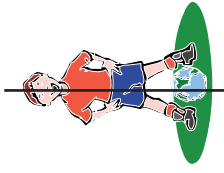
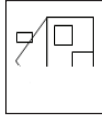
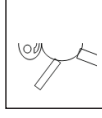
| Nkarhi lowu ringanyetiweke wo dyondzisa: Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasinini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki ra 6 | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Nhlokomhaka</p> <p>4.1 Nkarhi</p> | <p>Hlamusela nkarhi wa siku ku ya hi nhlekani na vusiku/ ku vonakala na xinyami</p> <ul style="list-style-type: none"> • Dyondzisa ro sungula minongoti hinkwayo ya “nhlekani /vusiku” na “ku vonakala /vusiku” <p>Pfanganisa minongoti leyi na tinhlokomhaka ta Vutivi bya Masungulo eka Dyondzo ya Swikili swa ta Vutomi</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Tokota munyama hi ku tshama ehansi ka tafula na switululu leswi nga funengetiwa hi nkumba. - Pfala makhetenisi u tima na rivoni ku endlela leswaku ku va na munyama etlilasinini. - Vadyondzi va vulavula hi mitokoto ya vona loko tilasi yi ri xinyami na loko ku ri na rivoni. - Va nyike thochi leswaku ku va na ku vonakala ehansi ka nkumba. - Vulavula hi migingiriko leyi humelelaka ninhlekani na nivusiku. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a lulamisa phositara ya dyambu na n'weti kutani a nyika swifaniso leswi kombisaka leswi humelelaka ninhlekani na nivusiku. - Vadyondzi va fanele va vekela swifaniso swa vona ehansi ka dyambu na/ kumbe n'weti. | <p>Switululu na minkumba</p> <p>Thochi</p>  <p>Phositara ya nhlekanhi na vusiku</p> <p>Swifaniso swa migingiriko ya nkarhi wa nhlekani na nkarhi wa madyambu</p>  | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matemati ki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Vhiki 7 3.3 Swivumbeko swa mathelo ma2 | <p>Tinotsi to hlamusela</p> <p>Ku lemuka, komba na ku vula minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 etlilasini</p> <ul style="list-style-type: none"> • Tivisa swiphazamiso na ku nyika ndzetelo wa maakelo ya swona <ul style="list-style-type: none"> - Kanela xiphazamiso xa xifaniso ku kongomisiwa eka vuxokoxoko bya muhlovo, vanhu/ swiharhi, minchumu, xiyo xa vanhu/swiharhi na minchumu. - komba, lemuka na ku yelanisa swiphemu swa xiphazamiso swo hambanahambana xik. <ul style="list-style-type: none"> o Swiphemu swa tikhona. o Swiphemu swa tlhelo rin'we ro ololoka. o Swiphemu swa mathelo yo ka ma nga ololokanga o Hlayela swiphemu swa xiphazamiso. <p>Maakelo ya xiphazamiso:</p> <ul style="list-style-type: none"> - Paka swiphemu hinkwaswo swa xiphazamiso swi languta ehenhla. - Komba swiphemu swa tikhona kutani u yelanisa mihlovo, minchumu, sw.na sw. eka wona hi tikhona ya xiphazamiso. - Aka mathelo ya mune (rimba) u tihisa swiphemu hinkwaswo swa tlhelo rin'we leri nga ololoka - Loko mudyondzi a kayakaya, va nga aka xiphazamiso ehenhla ka xifaniso lexi nyikiweke. - Swiphazamiso swi fanele ku hetisiwa hinkwaswo swi nga si hlayisiwa | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Swiphazamiso swo hambanahambana – swiphemu swa mpimohansi wa 6</p> | <p>Siku rin'we</p> |




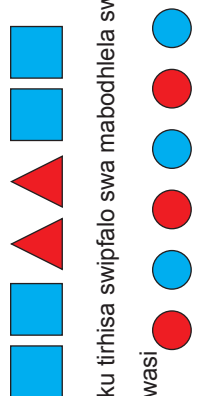
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingingiriko ya Matemati ki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 7 | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Nhlokomhaka | | | |
| 3.1 Xiyimo, ndzetelo na mathelo | <p>Hlamusela nchumu wun'we wa mathelo ma3 lowu nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> Xiyimo xa minchumu yimbirhi kumbe ku tiula ya mathelo ma3 leyi nga na vuxaka na mudyondzi: <ul style="list-style-type: none"> endzeni na le handle <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Mudyondzisi a tirhisa silothepe kumbe ntambhu ya khadi ku endla mintila yimbirhi efulurini. Vadyondzi hinkwavo va yima eka tlhelo rin'we kutani mudyondzisi a vitana, "enambyeni." Vadyondzi hinkwavo va fanele ku tiula exikarhi ka mintila yimbirhi, kutani a huwelela." Humani enambyeni. Vadyondzi hinkwavo va fanele ku tlulela eka tlhelo lerin'wana ra mintila yimbirhi. Vadyondzi lava nga landzeleleki swileriso hi mfanelo va huma naswona a va ha yi emahlweni na ntlangu. | <p>Ntlangu: Endzeni ka nambu (exikarhi ka mintila yimbirhi), ehandle ka nambu (ehandle ka mintila yimbirhi)</p> <p>2 wa tintambhu to tiula khadi</p> | |
| | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> Yima magoza matsongo kule na bakiti/ basikiti Hoxa binibege ebasikitini <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> Vadyondzi va dirowa xifaniso lexi kombisaka minongoti ya endzeni na le handle. | <p>Bakiti kumbe basikiti</p> <p>Phepha na tikhirayoni</p> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matemati ki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vhiki 7 | Nkumbetelo wa Nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | | |
| 3.1 Xiyimo, ndzetelo na mathelo | <p>Xiyimo xa minchumu yimbirhi kumbe ku tlu la leyi nga na vuxaka na mudyondzi.</p> <p>Henhla/hansi</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va landzelela swileriso swa mudyondzisi swo fana na:</p> <ul style="list-style-type: none"> - Veka buloko yo tshwuka ehenhla ka nhloko ya vanghana va wena. - Veka buloko ya xitshopana ehansi ka tafula ra wena - Veka buloko ehenhla ka nhloko ya wena kutani u khandziya etafuleni ra wena. - Kasa ehansi ka tafula mahlo ya wena ma pfalekile <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Paka tiyinlanharhu ehenhla ka yin'wana na yin'wana. - Paka swikwere swa wasi ehenhla ka xin'wana na xin'wana - Veka xirhendzevutana xo tshwuka ehansi ka xikwere xa xitshopana. - Veka xirhendzevutana xa xiitshopana na xo tshwuka xa yinlanharhu ehansi ka xikwere xa wasi. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a lulamisa makhadi ya un'wana na un'wana ma ri na swifaniso na swivumbeko. - Vadyondzi va fanele va veka swivumbeko ehenhla/hansi/ka xifaniso loko mudyondzisi a swi kombela xik. Veka xikwere xa wasi ehenhla ka basikiti ya mihandzu | <p>Siku rin'we</p> <p>Tibuloko to aka hi tona/ tibuloko ta yunifikisi</p> <p>Swivumbeko swa logi</p> <p>Swifaniso swo hambanahambana</p> <p>Makhadi ya swivumbeko</p> |         |

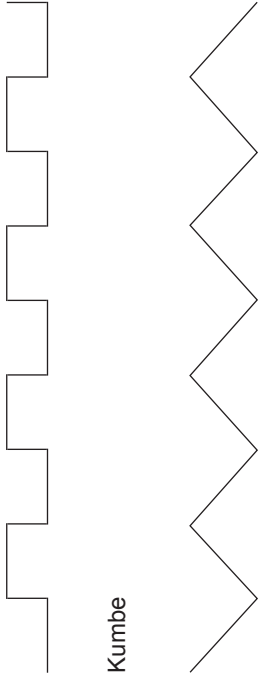
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matemati ki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 7 | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Nhlokomhaka | | | |
| 3.4 Ndzinganiso | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ku tiyisisa ndzemuko wa ndzinganiso wa swiphemu eka wena n'wini (miri wa wena) <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Vula swirho swa miri ya vona. - Yimbelela risimu rin'wana na rin'wana hi miri. <p>Mudyondzisi a kombisa vadyondzi nongoti wa ndzinganiso wa swiphemu hi ku hayeka ntambhu emahlweni ka mudyondzi.</p> <ul style="list-style-type: none"> - Vadyondzi va fanele ku anakanya leswaku miri ya vona yi aviwe hi swiphemu swimbirhi.  <p>Mudyondzisi a hlamusela leswi miri wu nga avisiwa xiswona hi swiphemu swimbirhi leswi vuriwaka ntila wa le xikarhi.</p> <ul style="list-style-type: none"> - swin'wana na swin'wana swimbirhi leswi munhu a nga na swona swi kumeka eka matlhelo hinkwawo ya miri xik. Mahlo, tindleve, makatla, milenge sw. na sw. - Xin'wana na xin'wana xin'we lexi munhu a nga na xona xi kumeka eka ntila wa le xikarhi xik. Nhompfu, nomo, nkava. <p>Ku lawula ndzingano wa swiphemu, pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Macha, va tlakusela matsolo ehenhla. - Macha u ololokile tanihi masocha lama "nga ambala swa nsimbhi" - Hingakanya mavoko, hingakanya milenge loko ku machiwa. <p>Pfanganisa swiendlo na Dyondzo ya Vutshila byo endla eka dyondzo ya Swikili swa ta Vutomi</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Dirowa swifaniso swo ka swi nga hetisekangi ephepheni kutani a byela vadyondzi ku hetisa xifaniso. | <p>Risimu: " Nhloko, makatla, xifuva, xisuti, matsolo swikunwana"</p> <p>Ntambhu leyi ku nga ta kombisiwa hi yona</p> <p>Miri ya vadyondzi</p> | Siku rin'we |
| | | <p>Swifaniso swo ka swi nga hetisekangi</p>   | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matemati ki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 7 | Nkumbetelo wa Nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Nhlokomhaka</p> <p>3.1 Ndhawu, ndzetelo na mathelo</p> | <p>Tinotsi to hlamusela</p> <p>Xiyimo xa minchumu yimbirhi kumbe ku tlula leyi nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> - Henhla/hansi <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kombisa ehenhla na le hansi hi ku fambatambisa miri ya vona ku ya henhla na le hansi hi swileriso swa mudyondzisi: - Khandziya switepisi swimbirhi ku ya ehenhla u ri karhi u hlavela. - Khandziya switepisi swimbirhi ku ya ehansi u ri karhi u hlavela. - Khandziya xitirhisiwa lexi nga le handle u ya ehenhla na le hansi. - Khandziya u ya "ehenhla" na le "ehansi" hi lerha ra ntambu yo khandziya loko xikolo xi ri na rona. - Languta ehenhla na le hansi. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a nyika vadyondzi swifaniso swo hambanahambana laha nongoti wa henhla na hansi wu nga ta kombisiwa. <ul style="list-style-type: none"> o Xik. munhu loyi a khandziyaka ntshava, baluni ya le moyeni leyi ya ka henhla yi tlhela yi vuya hansi. Munhu wo karhi loyi a ehlelaka ehansi hi switepisi, sw. na sw. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Komba nongoti wa henhla na le hansi eka swifaniso. | <p>Yimbelela, Risimu leri yelanaka na ku ya "ehenhla" na le "ehansi"</p> <p>Tirhisa switepisi swa le xikolweni</p> <p>Muchinginya /mujombe wa hinkwaswo (xitirhisiwa xo khandziya)</p> <p>Ntambhu yo khandziya lerha</p> <p>Xifaniso lexi kombisaka switepisi swa le henhla na le hansi</p> | <p>Siku rin'we</p> |



| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| 3.4 Ndzinganiso | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ku hingakanya ntila wa le xikarhi lowu katsiweke na ku hlayela <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Va soholoka va tlula hi ncino va ri karhi va hlayela. - Va yima va langutana va phakatana mavoko hi ku hingakanya (voko ra ximatsi ri ya eka ra ximatsi ra mudyondzi un'wana) va yimbelela risimu ra tinomboro na xinsin'wana. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hoxa munghana wa wena bolo u ri karhi u hlayela. - Famba eka ntambhu yo gombonyoka va ri karhi va yimbelela risimu (risimu leri yelanaka na ndzinganiso) - Rahelanani bolo. <p>Nghingiriko lowu laha henhla wu nga pfanganisiwa na dyondzo ya Swikili swa ta Vutomi</p> | <p>Vadyondzi</p>  <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Bolo, ntambhu</p> | Siku rin'we |
| 2.1 Tipatironi ta xijometiri | <ul style="list-style-type: none"> • Ku tumbuluxa tipatironi ta yena n'wini <p>Ku dyondza hi ku tirhisa swirho</p> <p>Vadyondzi va tumbuluxa tipatironi va tirhisa:</p> <ul style="list-style-type: none"> - Miri ya vona. Xik; Nhwanyana un'we a nga na rhoko, vafana vambirhi lava nga na maburuku. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Hi ku tirhisa swivumbeko swo tshwuka na swa wasi. Xik. Swikwere swi2 swa wasi, 2 wa tijnhlanharhu to tshwuka, swikwere swi2 swa wasi... - Endla patironi hi nkarhi wa migingiriko hi ku tirhisa pende yo tshwuka na ya wasi hi swipfalo swa mabodhela. <p>Ku tirhisa minchumu yo ka yi nga hetisekangi yo khomeka ya swivumbeko swi2 hi ku tirhisa minlovo yo endliwa Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tirhisa tintiho ku kandziyisa nkhaviso hi muhlovo wa pende xik. Rihlaza, xilamula, rihlaza... ehenhla laha ku helelaka maphepha ya vona. Nghingiriko lowu wu nga endliwa hi nkarhi wa Vutshila bya swo Vonwa. | <p>Swivumbeko swa pulasitiki swo tshwuka na swa wasi. bolou</p>  <p>ku tirhisa swipfalo swa mabodhela swa wasi</p> <p>tshwuka wasi tshwuka wasi tshwuka wasi</p> <p>Phepha ra A4</p> <p>Pende ya rihlaza na xilamula kumbe muhlovo wun'wana na wun'wana lowu nga kona.</p> | Siku rin'we |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>3.2</p> <p>Minchumu ya mathelo ma3</p> | <p>Lemuka, komba na ku vula minchumu ya mathelo ma3</p> <ul style="list-style-type: none"> Ku tiyisa minchumu leyi khungulukaka <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> Tlanga hi mabodhela ya pulasitiki, mathini, tibolo, lamula, na sw.na sw. va kambisisa loko ma nga khunguluka. <p>Mudyondzisi a vutisa:</p> <ul style="list-style-type: none"> Hi tihhi tibuloko eka khona ya buloko leti nga khungulukaka? Tibuloko ti nge khunguluki hikuva ti na mathelo yo ololoka. . Khunguluxa minchumu yo hambanahambana u vona loko yi nga khunguluka kumbe yi nga khunguluki. Vadyondzi va fanele ku lemuka leswaku Minchumu ya xirhendzevutana yi nga khunguluka. | <p>Mabodhela ya pulasitiki</p> <p>Tibuloko, Tibuloko ta Lego</p> <p>Mathini, tikhapu ta mapulasitiki, phepha ra le thoyilete, makhandhela, lamula, tibolo sw. na sw.</p> | <p>Siku rin'we</p> |
| <p>3.1</p> <p>Xiyimo, ndzetelo na mathelo</p> | <ul style="list-style-type: none"> Ndlandlamuxa ntwisiso wa mathelo hi ku dyondzisa ro sungula minongoti ya “emahlweni/ endzhaku” ro sungula <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va :</p> <p>Landzelela swileriso swa mudyondzisi (wexe/kumbe tanithi xirho xa ntlawa) va famba kumbe va va ko karhi etlilasi xik.</p> <ul style="list-style-type: none"> Yima emahlweni ka tilasi (u tekela enhlokweni leswaku emahlweni ka tilasi hi laha ku nga na nyangwa). Yima endzhaku ka tilasi. Famba emahlweni na le ndzhaku. Kasa u ya emahlweni na le ndzhaku. Tlulela emahlweni na le ndzhaku. | <p>Vadyondzi</p> | <p>Siku rin'we</p> |

| <p>Vhiki 8</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <p>Nhiokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
| <p>3.1</p> <p>Xiyimo, ndzetelo na mathelo</p> | <p>Mudyondzisi a dirowa patrioni efulurini hi choko kumbe ehansi. Xik.</p>  <p>Kumbe</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Famba/kumbe u kasa emitileni ya patrioni. - Veka phepha ro tshwuka etikhoneni ku yimela rhoboto. Loko vadyondzi va fika etikhoneni va fanele va jikisa miri ya vona hinkwayo ku va va na ntwisiso wa mathelo <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla patu hi tibuloko to aka hi tona. - Susumeta ximovhana xo tlangisa emahlweni na le ndzhaku "epatwini " ra tibuloko to aka hi tona. - Susumeta ximhovhana xo tlangisa eka tihelo rin'we kutani u jikisela eka tihelo lerin'wana ra "patu" ra tibuloko to aka. | <p>Leswi dirowiweke ehansi.</p> <p>Phepha ro tshwuka.</p> <p>Tibuloko to aka hi tona</p> |
| | | <p>Siku rin'we</p> |


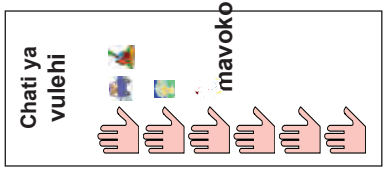
| <p>Vhiki 8</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------------------------|--------------------------|--------------------------|--------------------------|---|---|
| <p>Nhiokomhaka</p> | <p>Tinotsi to hlamusela</p> | | | | | | | | |
| <p>5.1</p> <p>Ku hlengelela minchumu ku ya hi swihlawulekisi</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Siku rin'we</p> | | | | | | | | |
| <p>5.2</p> <p>Ku hlamusela nhlengelo wa minchumu leyi hlawuriweke ku ya hi swihlawulekisi</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa miri</p> <p>hengeleta minchumu etlilasini kumbe eka mbangu ku ya hi swihlawulekisi leswi boxiweke, xikombiso:</p> <p>Ku dyondza hi ku tirhisa swirho:</p> <p>Ava vadyondzi hi mintlawa:</p> <ul style="list-style-type: none"> - Eka ntlawa wun'wana na wun'wana vafana va yima hi ntila na vanhwanyana va yima hi ntila ekusuhi na vafana. - Vadyondzi va hlanya nomboro ya vafana na vanhwana eka ntlawa wun'wana na wun'wana. - U nga hetisa "girafu ya miri" ya mu/vafana kumbe nhwanyana/vanhwanyana hi ntlawa wun'wana na wun'wana. <p>Ku dirowa girafu leyi kombisaka vuxokoxoko bya mahungu</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Vadyondzi va nga tirhisa vuxokoxoko lebyi nga laha henhla ku endla girafu ya minchumu ya mathelo ma3 hi ku tirhisa tibuloko/swivumbeko, sw. na sw. leswi yimelaka mudyondzi un'wana na un'wana. | | | | | | | | |
| <p>5.3</p> <p>Kanela na ku vika nhlengelo wa minchumu leyi hlawuriweke.</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Vadyondzi lava nga yima hi mintlawa/finxaxa yimbirhi</p> <table border="1"> <thead> <tr> <th>Vanhwana</th> <th>Vafana</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td>3</td> </tr> </tbody> </table> <p>Vumba Phepha ra A4</p> | Vanhwana | Vafana | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2 | 3 |
| Vanhwana | Vafana | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | |
| 2 | 3 | | | | | | | | |
| <p>Nkumbetelo wa Nkarhi</p> | <p>Tinotsi to hlamusela</p> <p>Ku hlanya na ku hlamusela girafu</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Vadyondzi va endla girafu hi ku tirhisa vumba ku endla swibolwana leswi yimelaka nhlamuselo ya vona ya nghingiriko lowu nga hundza. - Nyika vadyondzi phepha leri nga na swifaniso xa mufana na nhwanyana ehenhla ka pheji ya mudyondzi un'wana na un'wana. - Vadyondzi va khunguluxa tibolo leti yimelaka nomboro ya vanhwana na vafana entlaweni wa vona. - Vadyondzi va veke nomboro ya tibolo ehansi ka xifaniso lexi faneleke. | | | | | | | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>3.2</p> <p>Minchumu ya mathelo ma3</p> | <p>Tinotsi to hlamusela</p> <p>Ku lemuka na ku valanga minchumu leyi rhetaka na ku khunguluka</p> <p>Mudyondzisi a khoma bolo a yi bambisa efulurini. A yi tshika yi vumbuluka efulurini.</p> <p>Mudyondzisi a teka bokisi a endla leswi fanaka.</p> <p>Mudyondzisi a vutisa vadyondzi:</p> <ul style="list-style-type: none"> - Hi wihi nchumu lowu nga khungulukaka? - Hikokwalaho ka yini bokisi ri nga khunguluki? - Hi wihi nchumu lowu nga rhetaka? <p>Mudyondzisi a komba vadyondzi leswaku bokisi ri na mune wa mathelo (tikhona) hikokwalaho ri nge khunguluki, kambe bolo yi hava tikhona hikokwalaho yi khunguluka.</p> <ul style="list-style-type: none"> - Khutaza vadyondzi ku kuma Minchumu leyi nga ta khunguluka na ku rheta etlilasini. - Vutisa vadyondzi loko va nga kuma nchumu (minchumu) leyi rhetaka na leyi khungulukaka. | <div style="text-align: center;">  <p>Bolo</p> </div> <div style="text-align: center;">  <p>Bokisi</p> </div> | Siku rin'we |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 9</p> <p>3.3 Swivumbeko swa mathelo ma2</p> | <p>Lemuka,komba na ku vula</p> <p>Swivumbeko swa mathelo ma2 etlilasini na le ka swifaniso</p> <ul style="list-style-type: none"> - xirhendzevutana <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla xirhendzevutana hi tintiho ta vona. - Endla xirhendzevutana u tirhisa mavoko hinkwawo. - Tshama emeteni,va vumba xirhendzevutana va khomanile mavoko. - Famba eka xirhendzevutana lexikulu, lexi endlweke hi xintambyana, emeteni. - Tlanga ntlangu laha vadyondzi va tshamaka endzeni ka xirhendzevutana va yimbelela risimu. o Mudyondzi a yima ehandle ka xirhendzevutana a tsutsuma a xi rhendzeleka eka xona a khome bolo hi mavoko. o Mudyondzi a hlawula ku veka bolo endzhaku ka mudyondzi wo karhi eka lava tshameke exirhendzevutana. o Mudyondzi loyi a hlawuriweke u fanele ku teka bolo a ringeta ku hoxa mudyondzi loyi un'wana hi bolo a ri karhi a tsutsuma a rhendzeleka hi xirhendzevutana leswaku a ta ya tshama eka ndhawu yo pfumala munhu. o Loko bolo yo khumba mudyondzi loyi a tsutsumaka,u fanele ku ya tshama exikarhi ka xirhendzevutana kutani ntlangu wu ya emahlweni. . <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Lava minchumu ya xirhendzevutana etlilasini. - Lava swivumbeko leswi yimelaka xirhendzevutana. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a vula minchumu kutani vadyondzi va komba minchumu leyi nga ya xirhendzevutana, xik; lamula, apula, tafula, bolo, mhavula, buku, bokiso, na sw. na sw. | <p>Vadyondzi</p> <p>Xintambyana</p> <p>Bolo ya milenge, Bolo ya thenisi, bolo ya golufu, Apula, lamula, Hupisi, sw. na sw</p> <p>Lamula, apula, tafula, bolo, mavhula, buku, bokisi,</p> | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|
| Vhiki 9 | Nkumbetelo wa Nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | | |
| 3.1 Xiyimo, ndzetelo na mathelo | <p>Xiyimo xa nchumu wun'we kumbe yimbirhi leyi nga na vuxaka.</p> <ul style="list-style-type: none"> • Minongoti ya kusuhi na/ exikarhi ka, ku tirhisiwa na muhlovo <p>Ku dyondza hi ku tirhisa swirho</p> <p>Mudyondzisi a vitana vadyondzi vanharhu</p> <p>A hlamusela nongoti wa kusuhi na, na exikarhi ka, hi ku longoloxa vadyondzi hi nxaxamelo wo hambana a ku:</p> <ul style="list-style-type: none"> - Craig u yime kusuhi na Steve. - Mel u yime exikarhi ka Craig na Steve. <p>Nghingiriko lowu wu nga vuyeleriwa na vadyondzi van'wana.</p> <p>Mudyondzisi a nyika vadyondzi tibuloko ta mihlovohlovo to aka hi tona a nyika swileriso swo tanihileswi:</p> <ul style="list-style-type: none"> - Veka buloko yo tshwuka ekusuhi na leya xitshopana. - Veka buloko ya wasi exikarhi ka buloko yo tshwuka na ya xitshopana. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Tirhisa tibinibege ta mihlovohlovo (yo tshwuka, wasi, xitshopana, rihlaza) nyika vadyondzi swileriso swo:</p> <ul style="list-style-type: none"> - Veka binibege ya wasi ekusuhi na ya xitshopana. - Veka binibege yo tshwuka exikarhi ka binibege ya wasi na xitshopana. <p>Nghingiriko lowu wu nga ngenisiwa na le ka dyondzo ya Swikili swa ta Vutomi.</p> | <p>Siku rin'we</p> <p>Tibuloko ta mihlovohlovo</p> <p>Binibege ya mihlovohlovo</p> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 9 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | Nkumbetelo wa Nkarhi | Nkumbetelo wa Nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| 3.2 Minchumu ya matlhelo ma3 | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku xaxameta nhlengelo wa minchumu yo tlula yimbirhi leyi nyikiweke ku suka eka lowutsongo ku fika eka lowukulu. Ku dyondza hi ku tirhisa swirho <p>Nyika vadyondzi vumba va endla tibolo hi yona.</p> <ul style="list-style-type: none"> - Emintlaweni va ta longoloxa tibolo ku suka eka letintsongo ngopfu ku fika letikulu ngopfu na letikulu ngopfu ku ya eka letintsongo ngopfu. <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <ul style="list-style-type: none"> - Xirho xin'wana na xin'wana xa ntlawa xi fanele ku lava nchumu wo karhi etlilasini. - Tshika vadyondzi va lulamisa minchumu leyi va yi kumaka ku suka eka leyitsongo ngopfu ku fika eka leyikulu ngopfu emintlaweni ya vona. <p>Mudyondzisi a nyika ntlawa wun'wana na wun'wana buku ya tinomoro ta tiqingho ya khale Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Handzula phepa va ri phutsaphutsa va endla xivumbeko xa bolo emintlaweni ya vona. - Vadyondzi va pimanisa bolo leyi nga yikulu ngopfu na leyi nga yitsongo ngopfu. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Nyika vadyondzi phepha leri nga na swifaniso swo swilo leswikulu na leswitsongo. - Vadyondzi va nga hlovohata swilo leswikulu kutani va tsondzela leswitsongo. | <p>Vumba byo tlangisa</p> <p>Minchumu yin'wana na yin'wana etlilasini</p> <p>Tibuku ta tinomoro ta tiqingho ta khale</p> <p>Phepha ra A4 leri nga na swifaniso</p> | Siku rin'we |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Vhiki 9 4.2 Vunavi bya mpfhuka | <p>Tinotsi to hlamusela</p> <p>Pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito lama hlamuselaka vulehi hi mfanelo.</p> <ul style="list-style-type: none"> - Leha ngopfu/koma ngopfu <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a vitana vadyondzi va 4, a kombela tiliasi yi n'wi pfuna ku va yimisa ku suka eka wo leha ku fika eka wo koma - Pfumelela vadyondzi va tilulamisa emintlaweni ya vona ku suka eka wo leha ngopfu ku fika eka wo koma ngopfu. - Mudyondzi un'we a yima a khigela khumbi loko swirho leswin'wana swa ntlawa swi pima vulehi swi tirhisa mavoko ya swona. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Mudyondzisi a veka minchumu yo hambanahambana etafuleni ra ntlawa wun'wana na wun'wana swo fana na tirhula,tipenisele, tikhirayoni, tirhaba sw. na sw.</p> <ul style="list-style-type: none"> - Ava minchumu hinkwayo yo leha na yo koma swin'we. - Vadyondzi va fanele va longoloxa minchumu leyi ku suka eka wo leha ngopfu ku fika eka wo koma ngopfu. <p>Chati ya vulehi</p> <p>Mudyondzisi u lulamise chati ya vulehi a yi veka ekhumbini yi lulamela ku pima vulehi bya vadyondzi a byi funga.</p> <ul style="list-style-type: none"> - Tirhisa khadi ra mfungho ra mudyondzi un'wana na un'wana ku komba mpimo wa yena lowu nga eka chati ya vulehi. - Mudyondzisi xikan'we na vadyondzi va ta fikelela eka ku Sipho u lehe hi 6 wa mavoko kasi Abby u lehe ku ringana 5 wa mavoko, hikuva u komile. |  | Siku rin'we |
| | | <p>Tirhula, tikhirayoni, tipenisele, tirhaba, sw. na sw.</p> <p>Sipho 6 wa mavoko</p> <p>Abby 5 wa mavoko</p>  | |

| Vhiki 10 | Tirhisa vhiki 10 ku tirhana na ntwisiso wa ku tsana na/kumbe swirhalanganyi swo dyondza leswi kumiweke. | Swilaveko swa makambebele |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vundzeni | <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Pimanyeta na ku hlayela hi ku swi bela enhlokweni ku fika ka 5 (Tinsimu ta tinomboro na swinsin'wana leswi nga ta antswisa ku tiva nongoti)</p> <p>Ku lemuka tinomboro eka mbangu lowu nga toloveleka xik. Vukhale, rhijisitara</p> <p>Ku twisa tinomboro ta odinali xik. (hi nkarhi wa ku ya exihambukelweni)</p> <p>Ku twisa leswaku Minchumu yo karhi yi yimela tinomboro to karhi (Chati ya vaptuni hi nkarhi wa ku dya)</p> <p>Ku komba swifaniso swa tinomboro na makhadi ya mathonsi lama ngenisaka nomboro ya n'we</p> <p>Ku tiva mfungho wa nomboro ya 1</p> <p>Ku lemuka vito ra nomboro n'we</p> |
| | <p>1.6</p> <p>Tithekiniki to ololoxa swiphigo swa tinhlayo</p> | <p>Ku tirhisa switirhisiwa leswi khomekaka</p> <p>Ku hiamusela miehleketo ya wena hi marito na hi ku dirowa kumbe hi switirhisiwa leswi khomekaka</p> <p>Ku komba tipatironi eka mbangu</p> <p>Ku kopa, ndliandlamuxa na ku tumbuluxa tipatironi ta yena n'wini</p> |
| Tipatironi, Tifankixini na Alijebura | <p>2.1</p> <p>Tipatironi ta xiJometiri</p> | <p>Ku tiva emahlweni ka/endzhaku ka</p> <p>Ku tiva ehenhla ka, ehansi ka</p> <p>Ku tiva endzeni na le handle</p> <p>Ku tiva ehenhla nale hansi</p> <p>Ku twisa minongoti: emahlweni na le ndzhaku</p> |
| Ndhawu na xivumbeko (Jometiri) | <p>3.1</p> <p>Xiyimo, ndzetelo na matlhelo</p> <p>3.2</p> <p>Minchumu ya matlhelo ma3 na</p> <p>3.3</p> <p>Swivumbeko swa matlhelo ma2</p> | <p>Ku lemuka na ku komba mavito ya tibolo</p> <p>Ku lemukana ku komba mavito ya mabokisi</p> <p>Ku lemuka, na k uvula vito ra mfungho wa yena, mfungho wa tintangha na vito ra tiliasi</p> <p>Ku aka xiphazamiso lexi nga ri ki ehansi ka 6</p> <p>Ku komba vuswikoti byo hambanisa exikarhi ka minchumu leyi nga " emahlweni na le ndzhaku "</p> <p>Ku komba na ku lemuka xirhendzevutana</p> <p>Ku komba na ku lemuka yinhlanharhu</p> <p>Ku komba na ku lemuka xikwere</p> <p>Pimanisa eka nhlangelo wa minchumu yimbirhi leyi nyikiweke loko yi ri yikulu, yitsongo, yikulu ngopfu, yitsongo ngopfu</p> <p>Ava minchumu hi : Sayizi- vukulu na vutsongo</p> <p>Muhlovo- mihlovo ya masungulo (tshwuka, xitshopana, wasi)</p> <p>Xivumbeko- xirhendzevutana, yinhlanharhu na xikwere</p> <p>Minchumu leyi khungulukaka</p> <p>Minchumu leyi rhetaka</p> |
| | <p>3.4 Ndzinganiso</p> | <p>Ku lemuka ntila wa ndzinganiso eka yena n'wini</p> |

| Vhiki 10 | Tirhisa vhiki 10 ku tirhana na ntwisiso wa ku tsana na/kumbe swirhalanganyi swo dyondza leswi kumiweke. | |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vundzeni | Nhiokomhaka | Swilaveko swa makambelelo |
| Mpimo | 4.1 Nkarhi | Ku tirhisa marito yo fana na siku, vusiku, ku vonakala na munyama, mixo, ndzhenga, vusiku ku hlamusela nkarhi wa siku. Ku landzelerisa swiendleko swa vutomi bya masiku hinkwawo (Nongonoko wa masiku hinkwawo) |
| | | Ku komba na ku lemuka masiku ya vhiiki, tinguva na maxelo |
| | | Ku tiva masiku ya yena ya ku velekiwa |
| | 4.2 | Ku hambanisa exikarhi ka ku leha, ku leha ngopfu, ku koma, ku koma ngopfu (chati ya vulehi) |
| | Vunavi bya mpfhuka | |
| | 5.1 | Ku kota ku hlingeleta, ava, dirowa, hlaya na ku hlamusela (xopaxopa) minchumu ku ya hi swi hlawulekisi |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | Ku hlingeleta na ku ava minchumu ku ya hi swihlawulekisi | |
| | 5.2 | Ku hlamusela nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi swo karhi |
| | 5.3 | Ku kanela na ku vika hi nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi |

GIREDI YA V: KOTARA YA 2

Nkarhi lowu ringanyetiweke wo dyondzisa :

Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)

Vhiki 11

Nhlokomhaka

1.1

Ku hlayela minchumu

Tinotsi to hlamusela

• **Dyondzisa ro sungula nhlamuselo ya nomboro ya 2**
Swanomo : Hlayela Minchumu ya masiku hinkwawo ku fika ka 2
 Hlayela emahlweni na le ndzhaku ku fika ka 2
 Hlayela 1-7 hi ku swi bela enhlokweni
Ku tiyisisa minongoti ya “swo tala” na “switsongo”
 Phokotela mavoko ko tala YIMA.
 Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka2

Ku dyondza hi ku tirhisa swirho

Pfumelela vadyondzi va:

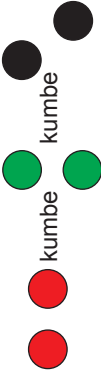
- Vitana vadyondzi va2 emahlweni. Va va hlayela
- Hlayela matafula ma2, switulu sw. na sw.
- Kombisa xiphere xa swirho swa miri swo fana na: mahlo, tindleve, mavoko, milenge, mikondzo, makatla sw. na sw.
- Endla swingengece swa le mirini xik. Phokotela mavoko kambirhi, pfumela hi tinhloko kambirhi, tulatlula efulurini kambirhi sw. na sw.
- tlakusa tintiho ti2, mavoko ma2, mikondzo mi2..



Switirhisiwa leswi bumabumeriweke

Swifaniso swa swinyenyana swimbirhi swa risimu ro hlayela.
 “Swinyenyana swimbirhi - “

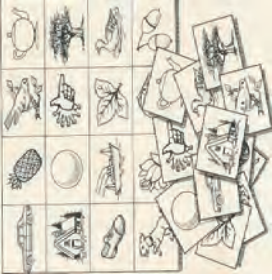


Nkumbetelo wa Nkarhi

Siku rin'we


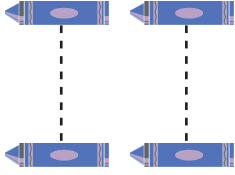

| Vhiki 11 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa Nkarhi |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | | |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kombisa minchumu yimbirhi etlilasini xik.tintangu timbirhi, tikhirayoni timbirhi sw. na sw. - Va lemuka nhlayiso wa tinomoro hikuva vadyondzi va paka swo hlayela hi swona swimbirhi kumbe minchumu yin'wana na yin'wana hi tindlela to hambana. <div style="text-align: center;">  </div> <p>Sayizi,kumbe xiyimo,kumbe muxaka lowu fanaka wa swilo a wu na nkuctelo eka nhlayo ya minchumu loko ku hlayeriwa. Xikombiso:</p> <ul style="list-style-type: none"> - Lulamisa tikunupu ti2, tipeniseti2, tihupisi ti2, vadyondzi va2 - Swi hlayeli hi nongonoko wo hambana xik. hlayela swi hangalakile,swi ri kusuhi, hi ntila kumbe swi pakeriwile ku ya ehenhla. | <p>Swo hlayela hi swona swi2 kumbe minchumu yi 2 ya mudyondzi un'wana na un'wana.</p> | <p>Siku rin'we</p> | |


| <p>Vhiki 11</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | | <p>Nkumbetelo wa Nkarhi</p> |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa Nkarhi</p> |
| <p>1.3 Mimfungo ya tinomoro na mavito ya tinomoro</p> | <p>Ku tiva mimfungo ya tinomoro na ku lemuka vito ra nomoro leri nghenisaka nomoro 2 Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo maz Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Yelanisa makhadi ya swifaniso lama nga na swifaniso swi2 na mambirhi lama nga na mathonsi mambirhi - Komba khadi ra swikombakombana leri nga na swifaniso swo nomoro yo karhi ya minchumu xik. phere yatintang, tikhirayoni timbirhi sw. na sw. - Tshika vadyondzi va lava nomoro leyi fanaka ya minchumu leyi nga tlilasi. - Komba makhadi ya swikombakombana lama nga na tinomoro to hambana ta swifaniso eka wona. - Komba makhadi ya swikombakombana lama nga na mfungho wa nomoro 2. - Lemuka sikombakombana leswi nga na vito ra nomoro. - yelanisa mfungho wa nomoro 2 na nomoro ya minchumu na ya mathonsi. - Yelanisa khadi ra mfungho wa nomoro na vito ra nomoro, nomoro ya swifaniso na nomoro ya mathonsi. - Engetela nomoro1 eka makhadi ya swikombakombana kutani vadyondzi va komba nombo 1 na 2. - Endla xiphazamiso xa tinomoro kutani vadyondzi va yelanisa xik. | <p>Makhadi ya swikombakombana swa tinomoro lama nga na minchumu yimbirhi.</p> <p>Minchumu ya te tlilasi na le ka mbangu.</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Xifaniso xa Minchumu yi2</p>  </div> <p>Makhadi ya swikombakombana lama nga na swifaniso swimbirhi, mathonsi, mfungho wa nomoro na vito ra nomoro</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;"> <p>Xifaniso xa Minchumu yi2</p> </div> <div style="border: 1px solid black; padding: 5px;">  </div> <div style="border: 1px solid black; padding: 5px;"> <p>2</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>mbirhi</p> </div> </div> | <p>Siku rin'we</p> |



| Vhiki 11 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | Nkumbetelo wa Nkarhi |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Nhlomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| <p>3.2</p> <p>Minchumu ya mathelo ma3 na</p> | <p>Ku hlamusela, hlawula na ku pimanisa minchumu ya mathelo ma3 na swivumbeko swa mathelo ma2 ku ya hi ku fana na ku hambana</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Hlawula vanhwanyana vambirhi u tirhisa xinsin'wana xo hlalela. - Vadyondzi lavan'wana va komba leswaku vanhwanyana va fana hi ndlela yihi? - Hlawula mufana na nhwanyana u tirhisa xinsin'wana xo hlalela. - Vadyondzi lavan'wana va kombisa ndlela leyi mufana na nhwanyana va hambanaka ha kona. - Hi phere, mudyondzi un'we a " yima a nga ninginiki) hi ndlela yo karhi kutani mudyondzi loyi un'wana a kopa kwatsa. - Mudyondzi un'we a yima mavoko ma ri enhlokweni na hi nenge wun'we. Lowun'wana a kopa mayimelo lama. - Ava vadyondzi ku ya hi rimbewu,lava nga natintangu, masandhazi, na lava fambaka hi mikondzo. - Vitana vadyondzi lava landzelaka emahlweni. <ul style="list-style-type: none"> o Vanhwana na vafana lava nga na maburuku, nhwanyana loyi a nga na rhoko. o Vana hinkwavo lava nga na tintangu, un'we loyi a fambaka hi mikondzo. - Vutisa swivutiso swo fana na leswi: Hi wihhi mudyondzi loyi a nga yelaneki? "Hi wihhi loyi a hambaneke?" Vitana vadyondzi lava landzelaka emahlweni. | <p>Siku rin'we</p> |
| <p>3.3</p> <p>Swivumbeko swa mathelo ma2</p> | | |

| <p>Vhiki 11</p> <p>Nhlokomhaka</p> | <p>Nkharhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etliliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa Nkarhi</p> |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>3.2</p> <p>Minchumu ya matlhelo ma3 na</p> | <p>• Hlamusela, ava na ku pimanisa minchumu ya matlhelo ma3 na swivumbeko swi2 ku ya hi ku fana na ku hambana</p> <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <ul style="list-style-type: none"> - Vadyondzi vambirhi va bambisa tibolo: bolo leyikulu na bolo leyintsongo - Vadyondzi va komba leswaku tibolo leti ti hambana kumbe ku fana njhani - Mudyondzi un'we a khunguluxa lamula lo un'wana a khunguluxa bolo. - Vadyondzi lavan'wana va kombisa leswaku lamula na bolo swi hambana njhani naswona swi fana njhani? - Vadyondzi va xiyaxiyatintangu ta vafana na masandhazi ya vanhwanyana. - Vadyondzi lavan'wana va kombisa hi ndlela leyitintangu ti fanaka ha kona na na leswi ti hambanisaka xiswona. - Vadyondzi va kuma minchumu leyi fanaka etliliasini <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Nyika makhadi ya ntlangu wa ku yelanisa ku antswisa ku fananisa na ku hambanisa. | <p>Mintlangu yo yelanisa makhadi</p> | <p>Tiendlele ntlangu wo yelanisa makhadi tanihi le ka xikombiso lexi laha hanshi.</p>  | <p>Siku rin'we</p> |
| <p>3.3</p> <p>Swivumbeko swa matlhelo ma2</p> | <p>- Yana emahiweni hi leswi swi yaka swi tika loko lembe ri ya ri famba.</p> <p>Vadyondzi a vo boheka ku hlaza maletere xik:</p> |   | <p>Mintlangu yo yelanisa makhadi</p> | <p>Siku rin'we</p> |

| Vhiki 11 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>• Xaxameta na ku pimanisa nhlengelo wa minchumu hi ku tirhisa “ringana na” kumbe “fana na”</p> <p>Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tolovela minongoti ya “hambana” na “ringana” - Pimanisa tintiho na swikunwana swa wena. Hambileswi ti ringanaka hi nomboro a ti fani. - Pimanisa tintiho, swikunwana na mahlo. Swi hambanile. Hi na nomboro leyi fanaka ya tintiho na swikunwana ku nga 10 kambe ho va na mathilo mambirhi ntsena. - Pimanisa tindleve, mavoko, milenge na mikondzo. Swi hambanile kambe swa fana hi nomboro ku nga swimbirhi xin'wana na xin'wana. - Mudyondzisi a dirowa swirhendzevutana swimbirhi kumbe va vumba swirhendzevutana swimbirhi hi xintamyana efulurini. Lerisa vadyondzi ku ti ava hi nomboro leyi fanaka endzeni ka swirhendzevutana va nghena endzeni ka swirhendzevutana. Hlayela nomboro ya vadyondzi. Kombisa leswakumintlawa leyi ya ringana na ku fana. | | Siku rin'we |

| <p>Vhiki 11</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Siku rin'we</p> |
| <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <ul style="list-style-type: none"> - Tolovela minongoti ya 'hambana' na 'ringana' - Veka sete ya Mimfungo ya vadyondzi exikarhi ka mete. - Nyika mudyondzi un'wana na un'wana khadi ra mfungo wa yena. Ieri fanaka na leri nga emeteni. Vadyondzi va ringeta ku yelanisa Mimfungo ya vona na leyi fanaka na leyi nga emeteni. - Veka ntlawa wa Minchumu etafuleni kutani u yi ava hi mintlawa leyi ringanaka. (xin'we xa wena, xin'we xa mina) <p>Swikombiso:</p> <ol style="list-style-type: none"> 1. Veka minchumu yimbirhi ya muxaka lowu fanaka. Xik. Tikhirayoni hi nongonoko etafuleni. Byela mudyondzi un'we ku yelanisa tikhirayoni ta mudyondzisi na ta yena. (Mudyondzi u fanele ku kuma tikhirayoni timbirhi leti nga ta yelana na nomboro ya tikhirayoni ta mudyondzisi) "Sweswi un'wana na un'wana u na nomboro leyi ringanaka/fanaka ya tikhirayoni." 2. Vuyelela nghingiriko lowu fanaka na lowu nga laha henhla hi 4 na 6 wa minchumu ku va vadyondzi wa twisisa nongoti wa "ringana/fana na" 3. Mudyondzisi a veka tibuloko t2 hi nxaxamelo etafuleni. A nyika vadyondzi vambirhi buloko yin'wana na yin'wana. Byela vadyondzi ku yelanisa tibuloko ta vona na ta yena. (Mudyondzi un'wana na un'wana u fanele ku teka buloko ya yena a yelanisa na ta mudyondzisi timbirhi). <p>"Sweswi un'wana na un'wana u na tibuloko t2. Hi na nomboro leyi fanaka ya tibuloko."</p>  |  |
| <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Tshika vadyondzi va pimanisa makhadi ya swikombakombana swa swifaniso na mathonsi. Komba makhadi lama fanaka.  <ul style="list-style-type: none"> - Nyika ntlangu wo yelanisa wa makhadi hi nkarhi wo tlanga endzeni laha vadyondzi va nga ta kota ku hambanisa exikarhi ka leswi fanaka na leswi hambanaka. | <p>Tibuloko</p> |

| Vhiki 11 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | Nkumbetelo wa Nkarhi |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Nhlakomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>• Xaxameta na ku pimanisa nhlengelo wa minchumu hi ku tirhisa “ku tlula ka” Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 2 Ku tiyisa minongoti ya “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo Mudyondzisi a phokotela ku fika ka 2</p> <p>Ku dyondza hi ku tirhisa swirho Mudyondzi a ku hi wihhi nhlengelo wa minchumu yimbirhi leyi : “tlulaka ka” Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela mahlo na tintiho ta vona. Vutisa swivutiso: “Hi swihi leswi va nga na swo tala?” - Komba tintiho timbirhi eka voko rin'we na ritho ri1 eka voko lerin'wana. Hi rihhi voko leri nga na to tala? - Hlawula vadyondzi va3 u tirhisa xinsin'wana xo hlayela. Va avi hi mintlawa ya 2 na 1. <p style="text-align: center;">  </p> <ul style="list-style-type: none"> - Hlayela leswaku l vadyondzi vangani eka ntlawa wun'wana na wun'wana. Pimanisa mintlawa yimbirhi kutani u vutisa swivutiso swo tanihi leswi: “Hi wihhi ntlawa lowu nga na vadyondzi vo tala?” “Hi wihhi ntlawa lowu tlulaka hi n'we.?” | <p>Siku rin'we</p> |


| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | Nkumbetelo wa Nkarhi |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Vhiki 11 | Ntlotloto | |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <ul style="list-style-type: none"> - Veka tiphere ta2 ta swikero, swo hlaiyela hi swona swi3 na 4 wa tikhirayoni etafuleni. Hlaiyela Minchumu ya ntlawa wun'wana na wun'wana.  <ul style="list-style-type: none"> - Vutisa swivutiso swo tanihi leswi: "Hi wihi ntlawa lowu nga na Minchumu yo tala." "Hi wihi ntlawa lowu nga na Minchumu yo tala ngopfu ku tula swikero? Hi wihi ntlawa lowu nga na swo tula swinharhu?" - Veka minchumu leyi khomekaka yo hambanahambana (khamba ra humba, maribye, na sw. na sw.) etafuleni. Swi avi hi mintlawa (maribye eka ndhawu yin'we), ku hlaiyeriwa nhlayo ya ntlawa wun'wana na wun'wana ku kombisiwa ntlawa lowu nga tala, wutsongo, ringanaka. Va nyiki nkarhi wo tirha hi swo hlaiyela swa vona. Sungula hi tinomboro letintsongo. - Mpfanganiso : Ku fanele ku va na swikhomelo hi nkarhi wo tanga hi mati na misava ku va nyika nkarhi wo tolovela minogoti yo fana na ku tula ka, ehansi ka na ringana na. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo maz</p> <ul style="list-style-type: none"> - Tshika vadyondzi va pimanisa makhadi ya swikombakombana swa swifaniso. Komba makhadi lama nga na nomboro ya makhadi lama nga tala ku tula nomboro leyi nyikiweke hi mudyondzisi. - Mudyondzisi a ku: Kuma khadi leri nga na swifaniso swo tula swi2 swa mathonsi? - Yelanisa makhadi lama nga na nomboro leyi fanaka ya Minchumu kumbe swo hlaiyela hi swona. (tlhandleka xo hlaiyela hi xona ehenhla ka thonsi kumbe xifaniso xin'wana na xin'wana)  | <p>Minchumu yin'wana na yin'wana etlilasini</p> |
| | | <p>Makhadi ya swikombakombana ya swifaniso na mathonsi</p> <p>Swo hlaiyela hi swona</p> |

| <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etilasiini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Lemuka na ku kombisa mfungho wa nomboro na vito ra nomboro leswi nghenisaka nomboro 2 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 2</p> <p>Hlayela emahiwini na le ndzhaku ku fika ka 2</p> <p>Hlayela 1-7 hi ku swi bela enhlokweni</p> <p>Ku tiyisisa minongoti ya “swo tala” na “switsongo”</p> <p>Phokotela mavoko ko tala YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 2</p> | <p>Siku rin'we</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> |
| <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va :</p> <ul style="list-style-type: none"> - Bambisa bolo kan'we, hi marito man'wana ku ringana ka1 - Bambisa bolo kambirhi, hi marito man'wana ku ringana ka 2 - Dirowa nomboro ya mbirhi ehansi kutani vadyondzi va famba ehenhla ka yona va ri karhi va yi landzelerisa. - Dirowa nomboro ya mbirhi emisaveni, emoyeni na le meteni sw. na sw. - Endla nomboro ya 2 hi vumba yo tlangisa. - Kuma vanghana va2 lava nga ambalatintangu. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Teka xo hlayela hi xona xin'we. - Teka swo hlayela hi swona swimbirhi. | <p>Tibolo</p> <p>Vumba byo tlangisa</p> <p>Swo hlayela hi swona</p> |

| <p>Vhiki 12</p> <p>Nhlokomhaka</p> | <p>Nkumbetelo wa Nkarhi</p> | <p>Nkumbetelo wa Nkarhi</p> | <p>Nkumbetelo wa Nkarhi</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiririko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiririko ya Matematiiki hi vhiki)</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa Nkarhi</p> |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2 Pfumelelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kombisa khadi ra xikombakombana ra xifaniso u xi yelanisa na nomboro leyi fanaka na ya minchumu. - Kombisa khadi ra xikombakombana ra mathonsi mambirhi u ri yelanisa na nomboro leyi fanaka ya minchumu. - Kombisa khadi ra xikombakombana xa mfungho wa nomboro na vito ra nomboro u ri yelanisa na nomboro leyi fanaka ya swo hlayela hi swona. - Kombisa nomboro ya mfungho wa 2 eka swifaniso leswi va nyikiweke hi mudyondzisi - Hi kwihi kun'wana etililasini laha mi nga kumaka nomboro 2 - Ava tiliasi hi mintlawa u va nyika nkarhi wo tlanga ntangu wa tinomboro hi mintlawa. | <p>Khadi ra xikombakombana leri nga na swifaniso swimbirhi, mathonsi, mfungho wa nomboro na vito ra nomboro,</p> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 5px;"> <p>Xifaniso xa Minchumu yi2</p> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin: 5px;"> <div style="border: 1px solid black; padding: 5px; display: flex; flex-direction: column; align-items: center;"> <div style="width: 20px; height: 20px; background-color: green; border-radius: 50%; margin-bottom: 5px;"></div> <div style="width: 20px; height: 20px; background-color: green; border-radius: 50%; margin-bottom: 5px;"></div> </div> <div style="border: 1px solid black; padding: 5px; display: flex; flex-direction: column; align-items: center;"> <div style="width: 20px; height: 20px; border: 1px solid black; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">2</div> </div> <div style="border: 1px solid black; padding: 5px; display: flex; flex-direction: column; align-items: center;"> <div style="width: 20px; height: 20px; border: 1px solid black; display: flex; align-items: center; justify-content: center; margin-bottom: 5px;">Mbirhi</div> </div> </div> <p>Swo hlayela hi swona</p> <p>Swifaniso leswi eka swona ku nga na mfungho wa nomboro 2</p> | <p>Siku rin'we</p> |

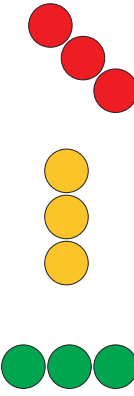

| <p>Vhiki 12</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.7</p> <p>Ku hlanganisa na ku susa</p> <p>Tinotsi to hlamusela</p> <p>• Ololoxa swiphiko swa tinhlayo ta marito(switori swa tinhlayo) hi nomo na ku nyika tinhlamulo leti nghenisaka nomboro 2</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> Mudyondzisi a vitana mudyondzi u1 emahlweni. Vadyondzi va n'wi hlava. Mudyondzisi a vitana un'wana u kutani a vutisa? Xana i vadyondzi vangani hinkwavo? 1 na1 → 2. Mudyondzisi a ku: 1 na 1 swi endla 2) Mudyondzisi a paka xitulu xi 1. A engetela xi1. I switulu swingani swi nga kona sweswi? 1 na 1 → 2. Mudyondzisi a tlakusa tintiho ti2. Kutani a ku: "Hlayelani tintiho ta mina. Loko ndzi tumbete ritho rin'we, i tintiho tingani leti u ti vonaka? 2 u susa 1 → 1. Mudyondzisi a tlakusa tintiho ti2. A ku : "hlayelani tintiho ta mina. Loko ndzi nga susi nchumu,i tintiho tingani leti mi ti vonaka, 2 hi susa 0 → 2. Ku na n'wana un'we ekaya. Un'we a ta eku tlangeni. I vana va ngani va nga kona sweswi? Ku na vana vambirhi etafuleni.N'wana un'wana na un'wana u lava xitulu xa yena. Xana hi pfumala switulu swingani? <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Swikombiso: (Tirhisa swo hlavela hi swona)</p> <ol style="list-style-type: none"> Loko u ri na kokisi rin'we kutani manana a ku nyika rin'wana rin'we, xana u ta va na makokisi mangani? Mudyondzisi u na swo hlavela hi swona swimbirhi eka voko rin'we eka voko lerin'wana ku ri hava nchumu.Xana u na swo hlavela hi swona swingani ? Lulama u na tibolo ti2. Bolo leyin'wana yi tlula. I tibolo tingani leti Lulama a nga na tona? Loko u ri na buloko yin'we kutani u nyika 1 eka munghana, xana i tibuloko tingani leti un'wana na un'wana a nga na tona.? | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Swo hlavela hi swona (loko u ri hava makokisi)</p> <p>Swo hlavela hi swona</p> <p>Tibolo</p> <p>Tibuloko</p> |



| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu r'hangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 12</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ku xaxameta na ku pimanisa nhlengelo wa minchumu hi ku tirhisa “ ehansi ka” <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 2.</p> <p>Ku tiyisisa minongoti ya “swo tala” na “switsongo”</p> <p>Phokotela mavoko ko tala YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 2</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |
| | <p>Ku dyondza hi ku tirhisa swirho (Pfanganisa na Vutshila bya swo endla eka dyondzo ya Swikili swa ta Vutomi –ku cina.)</p> <ul style="list-style-type: none"> - Yimbelela risimu: “Nhloko, makatla, matsolo na swikunwana. Yimbelela rito rin'wana na rin'wana eka xiyenge xosungula - Eka xiyenge lexi landzelela yimbelela u siya rito rin'we xik. Nhloko, makatla, matsolo ... - Yimbelela risimu leri hungutekeke hi rito rin'wana xik. Nhloko, makatlana - Mudyondzisi a kombisa leswaku nkarhi hinkwawo loko va hunguta rito ku fikela laha ku nga ha ri na rito ro ri yimbelela. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Mudyondzisi a endla mune wa swintambyana swa vuhlalu.</p> <p>Veka vuhlalu byi 3 eka xintambyana xo sungula, Vuhlalu byi2 eka xintambyana xavumbirhi, vuhlalu byin'we eka xintambyana xa vu3 na vuhlalu byi3 eka xintambyana xa vumune.</p> <p>Pfumelela vadyondzi va komba:</p> <ul style="list-style-type: none"> - Hi xih xintambyana lexi nga na vuhlalu byitsongo? - Hi xih xintambyana lexi nga na vuhlalu byo tula byi 1 na ku tula xintambyana lexi nga na vuhlalu byimbirhi? - Hi xih xintambyana lexi nga na vuhlalu bya le hansi ka 1 ku tula xintambyana lexi nga na vuhlalu byi3? | <p>“Nhloko, makatla,matsolo, swikunwana ”</p> <p>Swintambyana swa mune leswi nga na vuhlalu byo hambanahambana.</p> | |

| <p>Vhiki 12</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Vadyondzi va pimanisa xifaniso na khadi ra xikombakombana ra mathonsi. Kombisa makhadi lama tulaka ka na lama nga ehansi ka lawa ma nyikiweke hi mudyondzisi xik. Hi rihhi khadi leri tulaka 2. - Hi rihhi ri nga hansi ka 4?  |
| <p>Swintirhisiwa leswi bumabumeriweke</p> <p>Tiendelele sete ya makhadi ya swifaniso na mathonsi.</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |
| <p>Ku tiyisisa mpimaniso wa nhlengelo wa minchumu yimbirhi leyi nyikiweke hi ku tirhisa:</p> <ul style="list-style-type: none"> - Ku tlula ka, - Ehansi ka (switsongo) <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 2.</p> <p>Ku hlayela hi ku swi bela enhlokweni ku suka ka 1-7</p> <p>Ku tiyisisa minongoti ya “swo tala” na “switsongo”</p> <p>Phokotela mavoko ko tala YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 2</p> <p>Mudyondzisi a endla xintambyana swimbirhi swa vuhlalu. Veka vuhlalu byi3 eka xintambyana xo sungula, vuhlalu byi2 eka xintambyana xa vumbirhi</p> <p>Pfumelela vadyondzi va kombisa:</p> <ul style="list-style-type: none"> - Hi xihhi xintambyana lexi nga na vuhlalu byitsongo? - Hi xihhi xintambyana lexi nga na vuhlalu byo tala? - Hi xihhi xintambyana lexi nga na vuhlalu byo tlula byi2? - Hi xihhi xintambyana lexi nga na vuhlalu bya le hansi ka 3? <p>Pfanganisa na dyondzo ya Vutshila bya swo Vonwa laha vadyondzi va rhungaka tinxotse, swivumbeko swa swirhendzevutana swa pulasitiki, va tsema swivumbeko leswi boxiweke mbhovo exikarhi, matluka na sw. na sw.</p> | <p>Swintambyana swimbirhi leswi nga na nhlayo yo hambanahambana ya vuhlalu.</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematihi hi vhiiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 12</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo ka yi nga hetisekangi yo khomeka ya matihelo ma2 ya swivumbeko kumbe swifaniso</p> <p>Veka ntlawa wa minchumu yo karhi etafuleni kufani u yi ava hi:</p> <ul style="list-style-type: none"> - Mintlawa leyi ringanaka (xin'we xa wena, xin'we xa mina) - Mintlawa yo ka yi nga ringani (pimanisa ku vona ntlawa lowu nga na wo tala/switsongo na leswi ringanaka) - Loko ku ri na mintlawa yimbirhi leyi nga ringaneki, hi fanele ku endla yini leswaku yi ringana/fana? | <p>Swintambyana swimbirhi leswi nga na nhlayo yo hambanahambana ya vuhlalu.</p> | <p>Siku rin'we</p> |
| <p>3.2</p> <p>Minchumu ya matihelo ma3 na</p> | <ul style="list-style-type: none"> • Hlamusela, ava ku ya hi swihlawulekisi na ku pimanisa minchumu ya matihelo ma3 na swivumbeko swa matihelo ma2 <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Ava minchumu yo hambanahambana ku ya hi sayizi - Ava na ku pimanisa tibuloko to aka hi tona to hambanahambana ku ya sayizi (letikulu na letintsongo) - Ava tibuloko ku ya hi swivumbeko leswi fanaka <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <p>Ava vadyondzi hi mintlawa ya ntlhanu. Nyika ntlawa wun'wana na wun'wana swivumbeko swo hambanahambana.</p> <ul style="list-style-type: none"> - Vadyondzi va ava swivumbeko ku ya hi: <ul style="list-style-type: none"> o Muhlovo o Swivumbeko (Hambloko vadyondzi va nga tivi swivumbeko). o Sayizi - Tirhisa ntlangu wa makhadi lowu tlakusaka mihlovo, sayizi na swivumbeko. | <p>Minchumu yo hambanahambana leyikulu na leyitsongo etiliasini xik. Bolo, xipopana, movha yo tlangisa, buloko ya lego, sw. na sw.</p> <p>Tibuloko to aka na tibolo ta tisayizi to hambanahambana</p> <p>Swivumbeko swa logi kumbe swivumbeko swin'wana na swin'wana leswi nga kona swa muhlovo/lovo leswi nga kona.</p> | <p>Siku rin'we</p> |
| <p>3.3</p> <p>Swivumbeko swa matihelo ma2</p> | <ul style="list-style-type: none"> - Tirhisa ntlangu wa makhadi lowu tlakusaka mihlovo, sayizi na swivumbeko. | <p>Swivumbeko swa logi kumbe swivumbeko swin'wana na swin'wana leswi nga kona swa muhlovo/lovo leswi nga kona.</p> | |

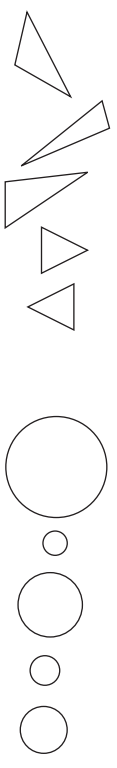
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etilasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki)</p> | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokmhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>1.1 Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku dyondzisa ro sungula nhlamuselo ya nomboro 3 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 3. Hlayela emahliweni na le ndzhaku ku fika ka 3 Hlayela 1-7 hi ku swi bela enhlokweni</p> <p>Ku tiyisa minongoti ya “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 3</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a tianga xigubu kumbe vuyimbeleri. Loko vuyimbeleri byi yima, va vumba mintlawa yinharhu - Vutisa vadyondzi leswaku l vamani lava swirho swa ndyangu wa ka vona swi nga swi3 - Vadyondzi va yima hi nxaxamelo; mudyondzisi a vutisa leswaku i mani wa vunharhu eka nxaxamelo? <p>Ava vadyondzi hi ±5 wa mintlawa</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Handzula tipheji tinharhu eka xiletelo xa thelefoni xa khale. - Va phutsaphutsa mapheji lamanharhu ma va tibolo tinharhu to tiya. Ku endlela leswaku tihelo lero ri tolovela, tirhisa ntsena voko leri u ri tirhisaka ngopfu. - Pfula tibolo u ti phutsaphutsa nakambe. - Hlayela tibolo hinkwato endzhaku ka loko tibolo tinharhu ti phutsaphutsiwele hinkwato. - Loko ku hlayeriwa hoxani tibolo letinharhu eka basikiti leyi vekiweke exikarhi ka ntlawa. <p>Ngingiriko lowu wu nga pfanganisiwa na Na Dyondzo ya Vutiori eka Dyondzo ya Swikili swa ta Vutomi</p> | <p>Tinsimu ta tinomboro na swinsin'wana.</p> <p>Vadyondzi hi voxwe. Swo hlayela hi swona</p> <p>Buku ya tinomboro ta tiqingho ya khale Basikiti</p> | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kombisa minchumu yi3 etillasini - Va tlakusa tintiho ti3. - Veka minchumu yi3 etafuleni. Vadyondzi un'wana na un'wana a ya etafuleni ku hlayela nchumu wun'wana na wun'wana. Mudyondzi a khumba nchumu wun'wana na wun'wana loko a ri karhi a hlayela. A endla tano na le ka minchumu leyin'wana. - Lemuka nhlayiso wa tinomboro hi ku byela vadyondzi va paka swo hlayela hi swona swinharhu kumbe nchumu wun'wana na wun'wana hi ti ndlela to hambana xik.  | <p>Swo hlayela hi swona kumbe minchumu yo karhi</p> | <p>Siku rin'we</p> |
| | <p>Loko ku hlayeriwa, sayizi, xiyimo, kumbe muxaka wo karhi wa swilo a swi na nkucetelo eka nomboro ya minchumu leyi hlayeriwaka.</p> <p>Xikombiso :</p> <ul style="list-style-type: none"> - Lulamisa tikunupu ti3, tipenisele ti3, tihupisi ti3, Vadyondzi va3 sw. na sw - Swi hlayeli hi nxaxamelo wo hambana xik. Swi hlayeli swi hangalakile, swi ri kusuhi na kusuhi, hi ntila kumbe swi pakelanile ku ya henhla. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Kombisa xifaniso xa poto ra nsimbhi ra milenge yinharhu - Hlayela milenge ya rona - Vadyondzi a va ehlekete hi xin'wana na xin'wana lexi nga na milenge yinharhu. - Kombisa khadi ra swifaniso leri nga na minchumu yi3. - Vadyondzi va hlayela nomboro leyi yelanaka na swo hlayela hi swona. - Va endla leswi fanaka hi makhadi ya mathosi. - Vadyondzi va yelanisa khadi ra swifaniso na ra mathonsi | <p>Makhadi ya swikombakombana ya swifaniso</p> <p>Makhadi ya swikombakombana ya mathonsi</p> <p>Swo hlayela hi swona</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Xifaniso xa Minchumu yi3</p>  </div> | |

| <p>Vhiki 13</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
| <p>1.3</p> <p>Mimfungo ya tinomboro na mavito ya tinomboro</p> <p>• Ku tiva mimfungo ya tinomboro na ku lemuka mavito ya tinomboro leti ngenhisaka 3</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 3. Hlayela emahiweni na le ndzhaku ku fika ka 3</p> <p>Ku tiyisisa minongoti ya “swo tala” na “switsongo”</p> <p>Phokotela mavoko ko tala YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 3</p> <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <ul style="list-style-type: none"> - Nyika mudyondzi un'wana na un'wana tikhuyubu ti3 ta yunifikisi - Mudyondzisi a kombisa khadi ra thonsi, xifaniso, mfungho kumbe vito ra nomboro leri ngenhisaka nomboro ya 1 ku fika ka 3. - Vadyondzi va hlayela nomboro yo karhi va veka nomboro leyi fanaka ya tikhuyubu ta yunifikisi etintihweni ta vona. | <p>Tikhuyubu ta yunifikisi</p> <p>Makhadi ya tinomboro lama ngenhisaka nomboro ya 1 ku fika ka 3</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa minchumu yi3</div> <div style="text-align: center;">  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">3</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">nharhu</div> </div> | <p>Siku rin'we</p> |
| <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2.</p> <p>Pfumelela vadyondzi va :</p> <ul style="list-style-type: none"> - Kombisa makhadi ya swikombakombana lawa ma nga na tinomboro to hambana ta swifaniso. - Kombisa khadi ra xikombakombana leri nga na mfungho wa nomboro 3. - Yelanisa mfungho wa nomboro 3 na nomboro ya minchumu na ya mathonsi. - Yelanisa vito ra nomboro na khadi ra mfungho wa nomboro na nomboro ya mathonsi - Nyika mudyondzi un'wana na un'wana khadi ra tinomboro leti ngenhisaka 1 ku fika ka 3. Mudyondzisi a tlakusa khadi ra thonsi kumbe xifaniso. Vadyondzi va tlakusa nomboro leyi fanaka/yelanaka. | <p>Makhadi ya swikombakombana ya swifaniso swo hambanahambana eka rin'wana na rin'wana.</p> <p>Khadi ra xikombakombana leri nga na mfungho wa nomboro 3</p> <p>Khadi ra xikombakombana ra mathonsi ma3</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa minchumu yi3</div> <div style="text-align: center;">  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">3</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">nharhu</div> </div> | |

| Vhiki 13 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | Nkumbetelo wa Nkarhi |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | |
| <p>1.7</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ku ololoxa swiphiko leswi kombisiweke swo hlanganisa na ku susa na tinhlamulo ta ku fika ka 3 hi nomo <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 3. Ku hlayela emahiweni na le ndzhaku ku fika ka 3.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> 1. Mudyondzisi a vita vadyondzi va 2 emahlweni. 2. Vadyondzi va va hlaya. Mudyondzisi a vita un'wana 1 kutani a vutisa: I vadyondzi vangani hinkwavo? 2 na 1 → 3. (Mudyondzisi a ku: 2 na 1 swi endla 3) 3. Mudyondzisi a vita vadyondzi va 3 emahlweni. Va va hlayela. A therisa vadyondzi va 2. I vadyondzi vangani lava nga sala? 3 hi susa 2 → 1 <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Nyika mudyondzi un'wana na un'wana swo hlayela hi swona swi3. Loko mudyondzisi a va rungulela xitori, vadyondzi va paka swo hlayela hi swona.</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> 1. Lulama u na malamula ma2 kutani Miyelani a n'wi nyika rin'wana ri 1. I malamula mangani lawa Lulama a nga na wona sweswi? 2 na 1 → 3 (Mudyondzisi a ku: 2 na 1 swi ku nyika 3). 2. Ku na rhavi ri 1 emurhini kutani man'wana ma2 ma hluka. I marhavi mangani ma nga le murhini sweswi? 1 na 2 → 3. <p>Swikombiso:</p> <ol style="list-style-type: none"> 1. Nkawa yi na mabanana ma3 yi dya 1. I mabanana mangani yi nga sala na wona? 3 hi susa 2 → 1. 2. Ku na maapula ma2 emurhini wa maapula. Ku wa 1. I maapula mangani ma nga sala emurhini? 2 hi susa 1 → 1. | <p>Tinsimu ta tinomboro na swinsin'wana.</p> <p>Switulu</p> <p>Swo hlayela hi swona swi3 swa mudyondzi un'wana na un'wana</p> | <p>Siku rin'we</p> |

| <p>Vhiki 13</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>2.1</p> <p>Tipatironi ta Xijometiri</p> <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku tumbuluxa tipatironi leti vuyelelaka ta wena n'wini hi ku tirhisa minchumu ya mathelo ma2 Ku dyondza hi ku tirhisa swirho <p>Vadyondzi va tshama hi xirhendzevutana. Va yimbelela tipatironi ta marito</p> <p>Xikombiso:</p> <p>Dyambu, rikupakupa, Dyambu, rikupakupa</p> <p>Banana, apula, pyere, banana, apula, pyere</p> <p>Nisako, Ntshembho, Miyi, Ntsako, Ntshembho, Miyi</p> <p>Tshwuka, wasi, Tshwuka, wasi s.w. sw.</p> <p>Waka, waka, eh, eh, waka, waka, eh, eh</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlengeleta minchumu yi3 leyi fanaka etlilasini xik. Tikhirayoni ti3 - Hlengeleta yin'wana minchumu yi3 leyi fanaka etlilasini xik. Tibuloko ta lego ta3 - Vadyondzi va tumbuluxa tipatironi ta vona vini va tirhisa minchumu yimbirhi xik. - Khirayoni yinwe, buloko ya lego yin'we, khirayoni yin'we ... - Tikhirayoni timbirhi, buloko ya Lego yin'we, tikhirayoni timbirhi, buloko ya Lego yin'we.... - Pfumelela vadyondzi ku tumbuluxa tipatironi hi tindlela to hambanahambana. - Cincana minchumu leyi na vanghana va vona kutani va vuyelela nghingiriko lowu fanaka. | <p>Siku rin'we</p> <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tikhirayoni</p> <p>Swo namarheta</p> <p>Minchumu yin'wana na yin'wana</p> |

| Vhiki 13 | Nkumbetelo wa Nkarhi | Nkumbetelo wa Nkarhi |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki)</p> | <p>Tinotsi to hlamusela</p> <p>Lemuka, kombisa na ku vula minchumu ya swivumbeko swa mathelo ma2 etiliasini ku katsa na swifaniso</p> <ul style="list-style-type: none"> - yinhlanharhu. • Ku tiyisisa vutivi lebyi kumiweke hi mavhiki ya 4 byo lemuka, komba na ku vula yinhlanharhu. <p>Ku dyondza hi ku tirhisa swirho</p> <p>Dirowa, kumbe u tirhisa ntambhu ku tumbuluxa xivumbeko lexikulu xa yinhlanharhu.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Famba va rhendzeleka eka xivumbeko va ri karhi va xiyaxiya swihlawulekisi swa yinhlanharhu. Loko va ri karhi va famba vadyondzi a va vuli va ku: "ndzi famba ekusuhi na yinhlanharhu, Mathelo ya n'we, mbirhi, nharhu kumbe n'we, mbirhi, nharhu wa tikhona (engele)" - Mudyondzisa a kombisa leswaku yinhlanharhu yi na tikhona ti3 na mathelo manharhu. - Dirowa yinhlanharhu emoyeni na/kumbe emisaveni. - Vumba yinhlanharhu hi vumba. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Lemuka na ku komba minchumu leyi nga na xivumbeko xa yinhlanharhu etiliasini. - Lemuka na ku komba minchumu leyi hi ntumbuluko yi nga na xivumbeko xa yinhlanharhu. - Veka swirhendzevutana swa tisayizi to hambanahambana eka bege yo yi khumba "Feely bag". Kombisa yinhlanharhu eka swivumbeko leswi nga kona laha hanshi. | <p>Siku rin'we</p> <p>Vumba byo itangisa</p> <p>Nchumu wa yinhlanharhu etiliasini kumbe eka mbangu</p> <p>Tiendlele makhadi ya 5 ya ri na swirhendzevutana, tiyinhlanharhu na swikwere</p>  |

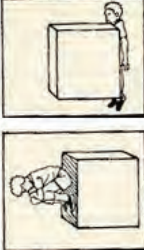
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>3.3 Swivumbeko swa mathelo ma2</p> | <p>Tinotsi to hlamusela</p> <p>Ava minchumu ya mathelo ma3 na ya swivumbeko swa mathelo ma2</p> <ul style="list-style-type: none"> - Ava minchumu yo hambanahambana ku ya hi xivumbeko na muhlovo. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Komba xivumbeko xa yinhlanharhu eswifanisweni. - Dirowa yinhlanharhu ephepheni. - Kopula yinhlanharhu eka khadi leri va nyikiweke. - Dirowa xirhendzevutana lexikulu xi rhenzela swirhendzevutana hinkwaswo ephepheni. - Endla swifaniso u tirhisa tiyinhlarhu hi nkarhi wa swa Vutshila bya swo voniwa. - Tlanga mintlangu leyi nga ta endla leswaku ku tiyisisa swivumbeko | <p>Swifaniso leswi yinhlanharhu yi nga ta kombiwa eka swona.</p> <p>Mintlangu ya makhdi leyi ndlandlamuxaka ndzemuko wa swivumbeko swo fana na “ I yini lexi nga exikwereni” Swivumbeko swa logi sw. na sw.</p> | <p>Siku rin'we</p> |

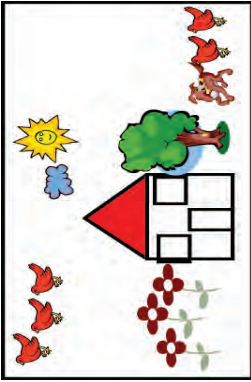
| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 14</p> <p>1.1 Ku hlayela Minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku tiyisa vutivi lebyi kumiweke lebyi nghenisaka nomboro 3 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 3. Hlayela emahlweni na le ndzhaku ku fika ka 3 Hlayela 1-7 hi ku swi bela enhlokweni</p> <p>Ku tiyisa minongoti ya “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 3</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kuma minchumu yi3 etillasini leyi nga yo tshwuka. - Endla nomboro 3 hi vumba. - Tsondzela tibolo ti3 letikulu hi vumba. - Tsondzela tibolo ti3 letintsongo hi vumba - Kuma vadyondzi vanharhu etillasini lava ambaleke muhlovo wo fana. | <p>Tinsimu ta tinomboro na swinsin'wana.</p> <p>Minchumu yo tshwuka. Vumba</p> | <p>Siku rin'we</p> |

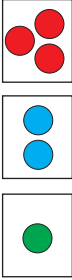
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 14</p> <p>1.7</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <p>• Oloxa swiphiko swa tinhlayo ta marito (switori swa tinhlayo) hi nomo na ku nyika tinhlamulo leti nghenisaka nomboro 3</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 3.</p> <p>Hlayela emahiwini na le ndzhaku ku fika ka 3.</p> <p>Ku tirha hi ku tirhisa swirho</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> Mudyondzisi a vitana vadyondzi va 2 emeteni kutani a vitana un'wana un'we. I vadyondzi vangani lava mudyondzisi a va vitaneke emeteni? Mudyondzisi a ku: 2 na 1 swi hi nyika 3. Ku na vana vanharhu. Un'wana na un'wana u lava khirayoni ya yena. Xana I tikhirayoni tingani leti lavekaka? Vana vanharhu va yima swin'we. Un'we a huma ekamareni. I vangani va nga sala? <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> Mudyondzisi a veka swo hlayela hi swona swi 3 etafuleni. A susa swo hlayela hi swona swi 2. I swingani swi nga sala etafuleni? Mudyondzisi a ku 3 hi susa 1 swi ku nyika 2. Fumani u na 2 wa swimanga kutani a kuma xin'wana xin'we eka Busi. I swimanga swingani leswi Fumani a nga na swona hinkwaswo? 1 na 2→3. Mudyondzisi a ku: 1 na 2 swi ku nyika 3. Loko ximanga xi1 xi ri na ncila wu1, Xana I micila yingani leyi swimanga swinharhu swi nga ta va na yona hinkwaswo? 1 na1 na 1→3 | <p>Vadyondzi</p> <p>Swo hlayela hi swona</p> | <p>Siku rin'we</p> |


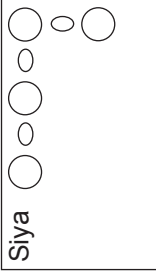
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etilasinini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 14 | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Nhlokomhaka | | | |
| 2.1 Tipatironi ta xiJometiri | <p>Hetisa patironi leyi nyikiweke ya minchumu yi2 Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Tshika vadyondzi va encenyeta patironi yo endla kunene xik. A tluatlula, a tluva, a tluva - Vadyondzi va hetisa patironi va tirhisa miri ya vona xik. Va yima kususuhuhi va cinca movoko enhlokweni, mavoko exisufini, mavoko enhlokweni... <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <ul style="list-style-type: none"> - Vadyondzi a va kopi patironi ya nchumu wo karhi xik. Vuhlalu, vuhlalu, ximhandzana, vuhlalu, vuhlalu, ximhandzana <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Mudyondzi a nyika vadyondzi swifaniso leswi tsemiweke swo hambanahambana swa minchumu leyi fanaka. (Tsema swifaniso hi nkarhi wa swa vutshila byo voniwa.) - Mudyondzi u sungula patironi yo karhi kutani vadyondzi va fanele ku kopa patironi leyi nyikiweke xik. Xifaniso xa kofi, tiya, na chukela... - Vadyondzi a va hetisi patironi hi ku dirowa: - Xiluva, tluva, xiluva.... - Xirhendzevutana xa wasi, xirhendzevutana xo tshwuka, xirhendzevutana xa wasi sw. na sw. | <p>Siku rin'we</p> <p>Minchumu yin'wana na yin'wana</p> <p>Swifaniso swa swinavetiso</p> <p>Phepha ra A4 na tikhirayoni</p> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 14 | Nkumbetelo wa Nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | Minchumu yo fana na : Swiambalo swo hambanahambana Mihandzu yo hambanahambana Swifuwo swa mapulasitiki swo hambanahambana Swivumbeko swo hambanahambana swa jometri Tibuloko to aka hi tona to hambanahambana Tibuloko ta lego to hambanahambana Minchumu ya ntumbuluko yo hambanahambana yo tanihi matluka, timhandzi, maribye sw. na sw. Tikunupu to hambanahambana, sw. na sw.. Muhlovo wo hambanahambana wa swipfalo swa mabodlhela. Tikhirayoni to hambanahambana Hlengelela swifaniso swa le ka timagazini na tifulayara. Swi tsemelele u namatheta eka makhadi. | Siku rin'we |
| 3.2 Minchumu ya matlhelo ma3 | <p>Ku ava na ku pimanisa minchumu ya matlhelo ma3 na ya swivumbeko swa matlhelo ma2 ku ya hi swihlawulekisi swo karhi</p> <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <p>Ava vadyondzi hi mintlawa ya 5.</p> <ul style="list-style-type: none"> - Mudyondzisi a hlengelela minchumu leyi ringaneke leswaku ntlawa wun'wana na wun'wana wu ta yi hlawula ku ya hi kwalomu ka swihlawulekisi swimbirhi. (swi nga ha va swi tele). - Nyika ntlawa wun'wana na wun'wana minchumu leyi nga na swihlawulekisi swimbirhi ku yi hlawula. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Ava minchumu ku ya hi ku fana ka yona na hi ku hambana ka yona. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <p>Tshika vadyondzi eka ntlawa lowu fanaka</p> <ul style="list-style-type: none"> - Pimanisa na ku hlawula swifaniso swo hambanahambana leswi hlengeletiweke hi mudyondzisi xik.swifaniso swa swiambalo swo hambanahambana, swakudya, fanichara, swifambo sw. na sw. - Vadyondzi va hetisa phepha ro tirhela hi ku yelanisa swifaniso swimbirhi leswi yelanaka xik. Xisibi xo hlantswa meno, na buraxi ya meno, xithawulana xo hlamba xikandza na xisibi. | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 14</p> <p>3.1 Xiyimo, ndzetelo na mathelo</p> | <p>Tinotsi to hlamusela</p> <p>• Xiyimo xa minchumu ya mathelo ma3 yimbirhi kumbe ku tlula leyi nga na vuxaka na mudyondzi</p> <ul style="list-style-type: none"> - Tiyisisa minongoti ya" ehnhla/ " hansa na ehnhla ka" <p>Ku dyondza hi ku tirhisa swirho</p> <p>Mudyondzi un'wana na un'wana a tshama exitulwini</p> <ul style="list-style-type: none"> - Vadyondzi va kombisa ehnhla na le hansa ka ku ya hi swileriso swa mudyondzisi xik. Tshama ehnhla ka bokisi, etlela ehansi ka bokisi kumbe tafula - Tshama ehansi ka tafula. Tikhotse u va ntsongo ku ya hi laha u nga kotaka ha kona ehansi ka tafula. - Yima ehnhla ka xitulu u titsanyusa ku ya ehnhla hi laha u nga kotaka ha kona. - Nghena endzeni ka tafula u ndziwilita mavoko ya wena eka xirhendzevutana lexikulu/lexitsongo. Ndlamlamuka u tirhisa lexikulu/xitsongo. - Veka buloko enhlokweni kutani u tlulela ehnhla ka tafula. - Hlawula nthanu wa vadyondzi u tirhisa xinsin'wana xa tinomboro. - Hlevela mudyondzi un'wana na un'wana swileriso: <ul style="list-style-type: none"> o Tshama mavoko ya wena ma ri ehansi ka milenge ya wena o Yima mavoko ya wena ma ri exisitini o Yima mavoko ya wena ma ri endzhaku ka wena o Tshama mavoko ya wena ma ri emakatteni o Yima mavoko ya wena ma hingakanya emahlweni ka wena. <p>Vadyondzi lava va yima emahlweni loko ntlawa lowun'wana hinkwawo wu va wa ha tshamile emeteni.</p> <p>Vutisa vadyondzi:</p> <ul style="list-style-type: none"> - Xana mudyondzi wosungula u endla yini? (<i>U tshama ehansi</i>) - Mavoko ya yena ma kwihl? (<i>mavoko ya yena ma le hansa ka milenge ya yena</i>) - Endla tano na le ka vadyondzi lavan'wana u tirhisa wavumbirhi, wavunharhu, vumune na wo hetelela. - Hlawula ntlawa wun'wana ku endla nghingiriko lowu fanaka. - Humesa vadyondzi ehandle va kombisa minongoti ya "ehansi ka" na "ehnhla ka" hi ku kombisa leswi va nga lo tsungulela. | <p>Vadyondzi</p> <p>Bokisi</p>  <p>Ehnhla Ehansi</p> | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku tiyisa vutivi lebyi kumiweke bya tinomboro 1,2, na 3 <p>Swanomo :Hlayela minchumu ya masiku hinkwawo ku fika ka 3 Hlayela emahlweni na le ndzhaku ku fika ka3 Hlayela 1-7 hi ku swi bela enhlokweni</p> <p>Ku tiyisa minongoti ya “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 3</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |
| <p>Ku dyondza hi ku tirhisa swirho Khutaza vadyondzi ku tikumela:</p> <ul style="list-style-type: none"> - Xirho xa1 xa miri lexi nga yaka ehenhla kumbe ehansi, xi ya eka tihelo rin'we kumbe lerin'wana hi xoxe, xik; ririmi - Swirho swi2 leswi rirhisiwaka ku tlula, xik; milenge | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Vadyondzi va va na ntwisiso wa tinomboro hi ku:</p> <ul style="list-style-type: none"> - Tirhisa tibuloko ti3 ku aka xihondzo. - Ku kuma minchumu yo tshwuka yi3 etiliasini. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2 Mudyondzisi a dirowa xifaniso xo olova.</p> <ul style="list-style-type: none"> - Mudyondzisi a vutisa swivutiso leswi yelanaka na nomboro ya minchumu leyi nga eka xifaniso xik. Xana u vona mafasitere mangani? sw. na sw. | <p>Miri ya vana Ku yimbelela na ku encenyeta risimu xik. Risimu leri yelanaka Xinsin'wana xo hlayela xik. “Swinyenyana swimbirhi, ehenhla ka murhi.”</p> | <p>Tibuloko Minchumu yo tshwuka</p>  |
| <p>1.2</p> <p>Ku hlayela emahlweni na le ndzhaku</p> | <ul style="list-style-type: none"> Tirhisa tinomboro 1, 2 na 3 eka mbangu lowu nga toloveleka <p>Swanomo : Hlayela minchumu ya masiku hinkwayo ku fika ka 3, Hlayela emahlweni na le ndzhaku ku fika eka 3</p> <p>Ku tiyisa minongoti ya “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA Phokotela mavoko katsongo. Mudyondzisi a phokotela ku ringana ka 3</p> <ul style="list-style-type: none"> - Khutaza vadyondzi ku bela enhlokweni nomboro ya yindlu ya ka vona na adirese ya xitarata. | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |

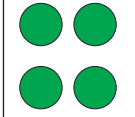
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiririko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etliliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiririko ya Matematiiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 15</p> <p>1.2 Ku hlalaya emahlweni na le ndzhaku</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2 Pfumelelela vadyondzi va:</p> <ul style="list-style-type: none"> - Lava swifaniso swo nomboro 1, 2 na 3 eka magazini na tifulayara va damarheta ephepheni. (Pfanganisa na dyondzo ya Vutshila bya swo voniwa.) - Yelanisa nomboro ya minchumu na nomboro ya mathonsi lama nga eka khadi ra xikombakombana. - Kombisa khadi ra thonsi. Vadyondzi va hoxa nomboro leyi fanaka ya tibinibege ebokisini - Tlanga ntlangu wa bodo ya vuandlalo na “ Tinyoka na malarha” na TiDomino | <p>Timagazini, swinavetiso</p> <p>Makhadi ya swikombakombana swa mathonsi</p>  <p>Tibinibege</p> <p>Ntlangu wa bodo wa “tinyoka na malarha”</p> <p>TiDomino</p> | |
| <p>Tinotsi:</p> <p>Tinomboro laha hi nga kona:</p> <ul style="list-style-type: none"> - Yindlu yin'wana na yin'wana yi na nomboro - Hinkwerhu hi na tinomboro ta thelefoni to hambanahambana - Hi vona tinomboro emafasitereni ya switolo. - Hi vona tinomboro to hambana eka minchumu yo karhi loko hi xava. - Hi vona tinomboro eka mimovha. | | | |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <ul style="list-style-type: none"> • Xaxameta na ku pimanisa nhlengelo wa minchumu ku tirhisiwa “ku tlula ka, ehansi ka” na “ringana na” ku fika ka nomboro 3 Ku dyondza hi ku tirhisa swirho Vitana vadyondzi vanharhu emahlweni. Va pfumeleli va tshama hi xirhendzvetutana. <ul style="list-style-type: none"> - Vadyondzi vambirhi a va yimi. I vangani va nga tshama ehansi? Va hlalayeni. I vangani va nga yima? Va hlalayeni. Hi yihi nomboro leyi nga tala, hi yihi nomboro leiyitsongo? - Vadyondzi vanharhu a va yimi. Va hlalayeni. Hi yihi nomboro leyi nga tala? A ku yimi un'wana un'we. Xana vadyondzi lava nga tshama va tele ku tlula lava nga yima? - Vuyelele nomboro 1 ku fika ka 3. - Hlaya vanhwanyana. Hlaya vafana. Xana vafana va tale ku tlula vanhwanyana? <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Ava vadyondzi hi mintlawa ya 5 Nyika ntlawa wun'wana na wun'wana xiphemu xa xintambyana/wulu na ±5 wa minchumu.</p> | | |

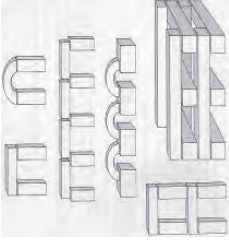
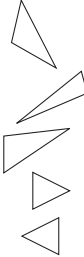
| Nkarhi lowu ringanyetiweke wo dyondzisa : | | Nkumbetelo wa Nkarhi | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Ngingiririko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasinini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiririko ya Matematiki hi vhiki) | | Switirhisiwa leswi bumabumeriweke | Siku rin'we |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Siku rin'we |
| <p>Vhiki 15</p> <p>Nhlokomhaka</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <p>Vadyondzi va endla xisaka hi wulu.</p> <ul style="list-style-type: none"> - Mudyondzisi a hlevela ntlawa wun'wana na wun'wana a va byela ku endla ntlawa wa minchumu yi3 kumbe 2 kumbe 1 "eswisakeni" swa vona. - Vadyondzi va fanele va komba ntlawa lowu nga na nchumu wo tlula n'we. - Hi wihhi ntlawa lowu nga na minchumu ya le hanshi ka 3? - Hi wihhi ntlawa lowu nga na nomboro ya minchumu leyi fanaka? | <p>Xintamyana</p> <p>5 wa minchumu hi ntlawa</p> | <p>Siku rin'we</p> |
| <p>2.1</p> <p>Tipatironi ta Xijometiri</p> | <ul style="list-style-type: none"> • Ku kopa na ku hetisa patironi leyi nyikiweke ku ya hi mihlovo, tshwuka, wasi, xitshopana. <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a endla patironi. A yi vuyelela hi ncino lowu fanaka xik. <ul style="list-style-type: none"> o Phokotela (thwatlata swithwana (tintihlo), phokotela, thwatlata swithwana o thwatlata swithwana, Phokotela, gima, thwatlata swithwana, Phokotela, gima o phokotela., thwatlata swithwana, <p>Ku tirhisa Minchumu yo khomeka ya mathelo ma3</p> <p>Mudyondzisi a nyika mudyondzi un'wana na un'wana swo hlayela hi swona kumbe swipfalo swa mabodhlela swi3 swo tshwuka, swa wasi na swa xitshopana.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Kopa patironi leyi nyikiweke eka patironi ya mudyondzisi xik. Swo tshwuka, tshwuka, wasi, xitshopana, xitshopana (vuyelela tipatironi to hambanahambana) - Hetisa patironi leyi nyikiweke xik. wasi, xitshopana, ku tshwuka ... (vuyelela tipatironi to hambanahambana) - Vadyondzi a va avi swo hlayela hi swona ku ya hi mihlovo yinharhu yo hambana. | <p>Mudyondzi un'wana na un'wana a nyikiwa swo hlayela hi swona kumbe swipfalo swa mabodhlela swi3, swo tshwuka swi3, na swa xitshopana swi3</p> | <p>Siku rin'we</p> |
| | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2.</p> <ul style="list-style-type: none"> - Nyika mudyondzi un'wana na un'wana phepha - Vadyondzi va hetisa patironi ya xivumbeko xa mathelo ma2 tanihi nkhasiso wa mathelo - Hetisa xifaniso hi nkarhi wa Vutshila bya swo Voniswa hi ku dirowa xifaniso exikarhi. | <p>Phepha ra A4 ra mudyondzi un'wana na un'wana.</p> <p>Tikhirayoni</p> | |
| | <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;"> <p>Karabo</p>  </div> <div style="border: 1px solid black; padding: 5px;"> <p>Siya</p>  </div> </div> | | |




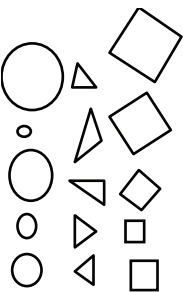
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiririko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiririko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| Vhiki 15 4.2 Vunavi bya mpfhuka | <p>Tinotsi to hlamusela</p> <p>Pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito hi mfanelo ku hlamusela vunavi bya mpfhuka :</p> <ul style="list-style-type: none"> - Leha, koma - Lehanyana, komanyana - Leha ngopfu, koma ngopfu <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzi un'we a etleli ehansi kutani la van'wana hinkwayo va veka tibuloko hi ntila ethelo ka miri wa yena. - Mudyondzisi a byela tlilasi hinkwayo /ntlawa ku endla nchumu wo karhi lowu nga koma ngopfu ku tlula wa munghana wa wena na wo leha ku leha ngopfu ku tlula wa munghana wa wena. <p>Pfumelela vadyondzi va kumisisa:</p> <ul style="list-style-type: none"> - Hi xihhi xivumbeko lexi nga leha? - Hi xihhi xivumbeko lexi nga leha ngopfu ? - Hi xihhi xivumbeko lexi nga koma? - Hi xihhi xivumbeko lexi nga koma ngopfu? <p>Pfumelela vadyondzisi va lulamisa switirhisiwa swo hambana hambana:</p> <ul style="list-style-type: none"> - Ku suka ka xo leha ngopfu ku fika eka xo koma ngopfu - Ku suka ka xo koma ngopfu ku ya ka xo leha ngopfu - Vadyondzi va pimanisa vulehi bya Minchumu yo hambanahambana. <p>Mudyondzisi a nyika vadyondzi swiphemu swa wulu kumbe xintambyana. Khutaza vadyondzi ku kumbetela va nga si pima.</p> <p>Pfumelela vadyondzi va pimana:</p> <ul style="list-style-type: none"> - Tindhloko. - Mikondzo. - mahlakala. - Mahlakala ya voko. - Tshika vadyondzi a va pimanisa ku hambana ka vulehi va ku pimanisa hi ku languta leswaku hi xihhi xiphemu xa xintambyana lexi nga leha kumbe komaxik; xintambyana xa ku pima enhlokweni ya mina xi lehe ku tlula lexi nga ka hlakala ra voko. - Tshika vadyondzi va kumisisa loko nkumbetelo wa vona wu ri wona. | Tibuloko to aka | Siku rin'we |
| | | Xintambyana Ntambhu Swituluputlupu swa malapi Tikhirayoni ta vulehi byo hambana Wulu kumbe xintambyana Vadyondzi | |

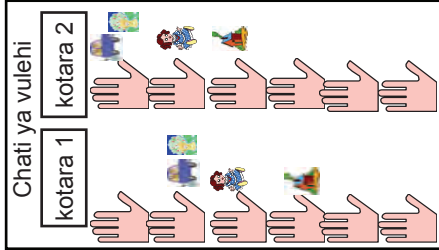
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------|
| Nhlokmhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 16</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku dyondzisa nhlamuselo ya nomboro ya 4 ro sungula <p>Swanomo :Hlayela minchumu ya masiku hinkwawo ku fika ka 4 Hlayela emahlweni na le ndzhaku ku fika ka 4 Hlayela 1-7 hi ku swi bela enhlokweni</p> <p>Ku tiyisa minongoti ya “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 4</p> <p>Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Pfumela hi tinhloko ta vona ku ringana ka 4 - Endla nomboro 4 va tirhisa miri ya vona. Vadyondzi va kumisisa leswaku l vana vangani va nga ta va lava. - Vadyondzi va pfala mathilo ya vona. Mudyondzisi a ba etafuleni ku ringana ka 4. Va pfula mathilo ya vona kutani va vula leswaku i ku ba kungani va nga ku twa. Vuyelela hi tinomboro 1 ku fika eka 4. | <p>Tinsimu to hlayela na tinsimu Miri ya vadyondzi</p> | <p>Siku rin'we</p> |

| <p>Vhiki 16</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhloknhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla nomboro ya 4 hi vumba yo tlangisa - Kuma vanghana va 4 lava nga ambalatintangu. - Kuma minchumuya 4 leyi nga ya xirhendzevutana - Pfala mathilo ya vadyondzi kutani va lemuka nomboro 1 ku fika ka 4 hi ku khumba/ku twa hi ku khumba makhadi ya tinomboro - Ndlamuxa ndzemuko wa nhlayiso wa tinomboro hi ku paka mune wa swo hlayela hi swona kumbe nchumu wun'wana na wun'wana hi tindlela to hambanahambana xik.  <p>Loko ku hlayeriwa, sayizi, xiyimo kumbe ku fanana a swi na nkucetelo eka nhlayo ya minchumu. Xikombiso:</p> <ul style="list-style-type: none"> - Lulamisa 4 wa tikunupu, 4 wa tipenisele, 4 wa tihupisi, 4 wa vadyondzi sw. na sw. - Swi hlayeli hi nxaxamelo wo hambana xik. Hlayela swi hangalakile, swi ri kusuhi na kusuhi, hi ntila kumbe swi pakiwa swi ya ehenhla. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Va lava 4 wa swifaniso va swi damarheta ephepheni - Yelanisa nomboro ya minchumu na nomboro ya mathonsi lama nga eka khadi. - Kombisa khadi ra xikombakombana leri nga na mune wa mathonsi. | <p>Vumba yo tlangisa</p> <p>Minchumu leyi nga ya xirhendzevutana</p> <p>Endla sete ya makhadi yo khomeka hi ku tsema tinomboro eka phepha ro hutha u damarheta eka swiphemu swo hambana swa khadibodo. Loko u laminata makhadi lawa: vadyondzi va nga ha ma tirhisa ku vumba nomboro ya vumba ekhadini.</p> <p>4 wa swo hlayela hi swona kumbe 4 wa Minchumu ya mudyondzi un'wana na un'wana</p> <p>Timagazini, tifulayara, swinavetiso</p> <p>Phepha ra A4 na dilu</p> <div> <p>Xifaniso xa yi</p> <p>4 Minchumu</p>  </div> |

| Vhiki 16 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------|------------------|----------|---|-----------------|--------|---|----------------------|--------|---|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Nhlokmhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi | | | | | | | | | | | | |
| <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Tirhisa nomboro ya 4 eka mbangu lowu tolovelekeke. <ul style="list-style-type: none"> - Xana nomboro ya mune yi endla u ehleketa yini? <table border="0" style="margin-left: 20px;"> <tr> <td>Movha</td> <td>-</td> <td>mune wa mavhilwa</td> </tr> <tr> <td>Xitululu</td> <td>-</td> <td>mune wa milenge</td> </tr> <tr> <td>Mbyana</td> <td>-</td> <td>mune wa swinondzwana</td> </tr> <tr> <td>Tafula</td> <td>-</td> <td>mune wa milenge</td> </tr> </table> - Ku ndlandlamuxa ku tsundzuka, khutaza vadyondzi ku bela enhlokweni tinomboro ta tiyindlu na tiadirese ta le makaya ya vona. <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <ul style="list-style-type: none"> - Nyika nkarhi wo tlanga ntlangu wa makhadi lama nga kona etlilasini <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2.</p> <ul style="list-style-type: none"> - Kombisa khadi ra mfungho wa nomboro 4 <p>Tlanga mintlangu yo fana na:</p> <ul style="list-style-type: none"> - Loko nomboro ya yindlu ya ka n'wina yi ri na nomboro ya 4 eka yona, phokotela mavoko ku ringana ka 4 - Kuma munghana loyi a nga nanomboro ya yindlu yo fana na ya wena etlilasini. (Vadyondzi va vutisa vanghana va vona nomboro ya yindlu ya ka vona) - I mani loyi a nga na nomboro ya yindlu yo tlula 4? - Komba vadyondzi khadi ra xikombakombana leri nga na mune wa mathonsi. - Komba khadi ra xikombakombana leri nga na mune wa swifaniso eka rona.. | Movha | - | mune wa mavhilwa | Xitululu | - | mune wa milenge | Mbyana | - | mune wa swinondzwana | Tafula | - | mune wa milenge | <p>Tiadirese ta le kaya ta vadyondzi</p> <p>Vadyondzi</p> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> <p>4</p> </div> <p>Ntlangu wu'nwana na wun'wana wa makhadi ya tinomboro lowu nga kona.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;"> <p>Xifaniso xa yi 4 minchumu</p> </div> <div style="text-align: center;">  </div> </div> <p>Makhadi ya swikombakombana lama nga na 4 wa swifaniso na 4 wa mathonsi.</p> | <p>Siku rin'we</p> |
| Movha | - | mune wa mavhilwa | | | | | | | | | | | | | |
| Xitululu | - | mune wa milenge | | | | | | | | | | | | | |
| Mbyana | - | mune wa swinondzwana | | | | | | | | | | | | | |
| Tafula | - | mune wa milenge | | | | | | | | | | | | | |

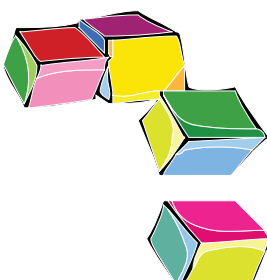
| <p>Vhiki 16 Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Nhlokmhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>3.2 Minchumu ya mathelo ma3</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • A valanga maakelo ya tibuloko Pfumelela vadyondzi va : <ul style="list-style-type: none"> - Tirhisa mune wa tibuloko to aka xiakiwa xo karhi. - Aka xivumbeko lexi nga henhla hi tibuloko ti3 na 5 wa tibuloko to hingakanya. - Tirhisa tibuloko to tala leti va nga ti lavaka ku aka xitimela. - Komba loyi a nga aka xitimela xo leha swinene. - Aka xihondzo xo leha (Xo yima dzi). - Aka xiakiwa xo andlaleka xik. Gondzo, kumbe yindlu(ku ya emathelo) - Kombisani loyi a nga aka xihondzo xo leha swinene. - Nyika vadyondzi tibuloko to aka hi tona hi nkarhi wo tlanga va tshunxekile va ya emahlweni va tiakela hi tibuloko to aka. | <p>Tibuloko to aka hi tona, xik</p>  | <p>Siku rin'we</p> |
| <p>3.3 Swivumbeko swa mathelo ma2</p> | <ul style="list-style-type: none"> • Ndlamlamuxa vuswikoti byo hambanisa exikarhi ka swivumbeko leswi nga eka mbangu wa hina, swi nga yi hi sayizi kumbe sayizi ya engele. <ul style="list-style-type: none"> - Nhlayiso wa xivumbeko (Ku nga cinci ka xivumbeko) Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi hi mintlawa yi3 va: <ul style="list-style-type: none"> - Etela ehansi va endla yinhlanharhu hi miri ya vona. Va kombisa leswaku hambiloko swivumbeko swa tiyinhlanharhu swa vona swi languteka swi hambanile, xivumbeko xi va xa ha fana. - Mudyondzisi a dirowa tiyinhlanharhu to hambana ehansi /fulurini xik.  | <p>Vadyondzi</p> <p>7 wa swirhabyana swa mudyondzi un'wana na un'wana</p> | <p>Siku rin'we</p> <p>Hlawula ntsena nghingiriko wa leswi hetisekeke leswi nga hetisekangiki na dyondzo ya ku tirhisa swirho</p> |

| Vhiki 16 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | Nkumbetelo wa Nkarhi |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Nhlokmhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| <p>3.3</p> <p>Swivumbeko swa mathelo ma2</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> - Tirhisa swirhabyana ku endla ntila wo gombonyoka.  <ul style="list-style-type: none"> - Tirhisa swirhabyana ku endla ntila wo jikaka  <ul style="list-style-type: none"> - Tirhisa swirhabyana ku endla yinhlanharhu.  | |
| | <ul style="list-style-type: none"> - Kombisa leswaku tiyinhlanharhu ta mudyondzi un'wana na un'wana a ti fani, kambe swivumbeko ka ha ri tityinhlanharhu | |
| | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Mudyondzisi a dirowa 5 wa swirhendzevutana swo hambanahambana na swikwere eka khadi ra swikombakombana xik.</p>  <p>Mudyondzisi a ava vadyondzi hi mintlawa Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Lemuka makhadi ya swikombakombana swa yinhlanharhu exikarhi ka swivumbeko leswin'wana | <p>Makhadi lama nga na 5 wa swirhendzevutana swo hambanahambana, tiyinhlanharhu na swikwere.</p> |

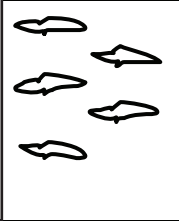
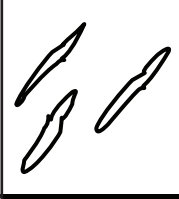
| | | | |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <p>Vhiki 16</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki)</p> | | |
| <p>Nhlokmhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Nkumbetelo wa Nkarhi</p> | |
| <p>4.2 Vunavi bya mpfhuka</p> | <p>Ku pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito hi mfanelo ku hlamusela Vunavi bya mpfhuka :</p> <ul style="list-style-type: none"> - Leha, koma - Lehanyana, komanyana - Leha ngopfu, koma ngopfu <p>Ku tiyisisa ntwisiso wa minongoti ya vunavi bya mpfhuka</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Valanga vulehi bya minchumu hi ku yi pimanisa. - Kombisa nchumu lowu nga wona wo leha ngopfu na wo koma ngopfu. - Pimanisa vulehi bya vadyondzi vambirhi u kombisa mudyondzi loyi a nga koma na loyi a nga leha. - Pimanisa vulehi bya vadyondzi vo tula ambirhi kutani u vutisa swivutiso swo fana na leswi: Hi wihhi mudyohi wo koma ngopfu, naswona hi wihhi wo leha ngopfu. - Mudyondzisi a pima vadyondzi nakambe a tirhisa chati ya vulehi ku suka eka kotara yo sungula. - Mudyondzisi a siya tirhekhodo ta kotara yo hetelela (mavoko ma ri na mimfungo ya vadyondzi/xifaniso) leswaku va ta pimanisa mimpimo leyimbirhi. - Vadyondzi va kuma loko va kurile ku sukela kotara leyi nga hundza. - I mani a nga kulangiki? - I mani loyi a nga kula ngopfu ku sukela ka kotara yo sungula? Xik. <ul style="list-style-type: none"> o Sipho u kule ku ringana na ku leha hi vunavi bya xandla. o Ku leha ka Nkateko ka ha fana | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tipenisele, ntambhu swintambayana, tiphekisi, sw. na sw.. Vuandlalo bya swandla</p> |  |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matemattiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 17</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Tiyisa vutivi lebyi kumiweke bya nhlamuselo ya nomboro ya 4 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 4 Hlayela emahiweni na le ndzhaku ku fika ka 4.</p> <p>Tiyisa minongoti ya “swo tala” na “ Switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 4.</p> <p>Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tsala nomboro 4 emoyeni va tirhisa rintiho ra vona. - Yimbelela risimu xik. 'Mune wa mabodhela ya rihlaza ma hayekiwile ekhumbini....' - Hundzuluka ku ringana ka 4. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Pfumelela vadyondzi va va na ntwisiso wa tinomboro hi ku :</p> <ul style="list-style-type: none"> - Dirowa nomboro 4 emisaveni - Kuma 4 wa minchumu ya mathelo ma3 leyi nga khungulukaka. - Aka swiphazamiso hi 4 wa swiphemu. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2.</p> <ul style="list-style-type: none"> - Mudyondzisi a hlawula 4 wa makhadi ya swikombakombana. Mudyondzisi a kombisa vito kutani ku landzela xifaniso xo nchumu wo tlangisa kumbe xiharhi. - Mudyondzi loyi ku kombisiweke vito ra yena a endla huwa ya xo tlangisa lexi endlweke. - Vuyelela ku fikela loko mavito hinkwawo ya mune ma kombisiwile. - Vutisa vadyondzi nhlayo ya mavito lama kombisiweke? <p>I swifaniso swingani swo tlangisa swa swiharhi leswi u swi voneke.</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Vhiki 17</p> <p>1.3</p> <p>Mimfungo ya tinomoro na mavito ya tinomoro</p> | <p>Tinotsi to hlamusela</p> <p>• Ku tiva mimfungo ya tinomoro na ku lemuka mavito ya nomoro ya 4</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 4 Hleyela emahiwini na le ndzhaku ku fika ka 4.</p> <p>Tiyisa minongoti ya “swo tala” na “ Switsongo”</p> <p>Phokotela mavoko ko tala YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 4.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Tsala nomoro ya mune emoyeni, ehansi, enhlaneni wa munghana wa wena, - Tlakusa mune wa tintiho - Mudyondzisi a ba xigubu. Loko xigubu xi yima, vadyondzi va vumba mune wamintlawa. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Komba vadyondzi khadi ra xikombokombana leri nga na nomoro ya 4. - Kombisa vito ra nomoro eka khadi ra xikombakombana - Yelanisa vito ra nomoro na hlayo leyi fanaka ya minchumu | <p>Tinsimu ta tinomoro na swinsin'wana</p> | <p>Siku rin'we</p> |
| | | <p>Khadi ra xikombakombana ra mfungho wa nomoro</p> <p>Khadi ra xikombakombana leri nga na vito ra nomoro mune</p> <p>Minchumu ya mathelo ma3</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">4</div> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">mune</div> </div> | |

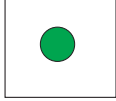
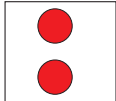
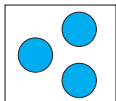
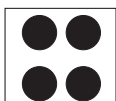
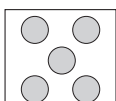
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 17 | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa Nkarhi |
| <p>Nhiokomhaka</p> <p>1.7</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <p>• Oloxa swiphiko swa tinhlayo ta marito (switori swa tinhlayo) hi nomo na ku nyika tinhlamulo leti nghanisaka nomboro ya 4</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> 1. Mudyondzisi a ku nyika tibuloko ti2 kasi a wu ri na ti2. I tingani hinkwato? 2. Loko u ri na swirhendzevutana swa wasi swi2, na 2 swo tshwuka, I swrhendzevutana swingani hinkwaswo? 3. Siphu u na 4 wa tikhirayoni kasi Mfumo u na 1 khirayoni. I mani a nga na tikhirayoni to tala? 4. Loko Vutomi a ri na 4 wa swipopana kutani a lahla 1, xana u ta va a sale na swipopana swingani? <p>Ava vadyondzi hi mintlawa.</p> <ul style="list-style-type: none"> - Nyika ntlawa wun'wana na wun'wana nhulu ya minchumu yo karhi xik. Tipenisele, tikhirayoni, tikhapu, swivumbeko. Vadyondzi a va avelani minchumu leyi va nyikiweke yona eka xirho xin'wana na xin'wana xa ntlawa (nchumu wu yimela nomboro yo karhi). - Vutisa swivutiso swo fana na leswi: "Xana yi kona minchumu leyi nga sala?" - (Mudyondzisi u fanele ku tiyisisa leswaku ku na minchumu yo tala ku tlula nhlayo ya vadyondzi entlaweni. Susa minchumu ku kombisa ku avelana loku ringanaka). |  <p>Tibuloko Tikhirayoni Swirhendzevutana swo tshwuka na swa wasi Swipopana</p> <p>Minchumu leyi ringaneleke (wun'we wa mudyondzi un'wana na un'wana tanihi, tikhirayoni, tipenisele, tikhapu, swivumbeko)</p> | <p>Siku rin'we</p> |

| <p>Vhiki 17</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa Nkarhi</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhiokomhaka</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ku xaxameta na ku pimanisa nhlengelo wa minchumu hi ku tirhisa “Ku tlula ka” “ehansi ka” “na ringana na “ ku fika eka nomboro 4 Ava vadyondzi hi mintlawa <ul style="list-style-type: none"> - Mudyondzi a nyika ntlawa wun'wana na wun'wana 4 wa swo hlayela hi swona na swiphemu swimbirhi swa wulu. <p>Tshika mintlawa yi:</p> <ul style="list-style-type: none"> - Vumba swirhendzevutana swimbirhi (sete) hi wulu. - Hi ku lerisiwa hi mudyondzisi va veka swo hlayela hi swona eka sete yin'wana na yin'wana. - Swirho swa ntlawa swi kombisa sete leyi nga na swo hlayela hi swona swo tala ku tlula lavan'wana (ku tlula ka) - Hi xihhi xirhendzevutana lexi nga na swo hlayela hi swona swi nga ehansi ka leswin'wana? (ehansi ka) - Hi xihhi xirhendzevutana lexi nga na swo hlayela leswi ringanaka (ringanaka) <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo maz</p> <p>Lulamisa sete ya makhadi ya swifaniso hi nongonoko lowu faneleke xik.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa nchumu wu1</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa minchumu yi2</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa minchumu yi3</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa minchumu yi4</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">●</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">● ●</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">● ● ● ●</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">● ● ● ● ● ●</div> </div> <p>Lulamisa sete ya makhadi ya timathonsi hi nongonoko lowu faneleke xik.</p> <ul style="list-style-type: none"> - Vutisa swivutiso swo tanihi leswi: Hi wahi makhadi lama nga na Minchumu/mathonsi yo tala? - Hi yihhi nomboro leyi tlulaka 2 sw. na sw.? | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Wulu /xintambyana</p> <p>4 wa swo hlayela hi swona</p> <p>Nkumbetelo wa Nkarhi</p> <p>Siku rin'we</p> |

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingingiriko ya Matematiki hi vhiki)</p> | | | |
| <p>Vhiki 17</p> | <p>Nkumbetelo wa Nkarhi</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Siku rin'we</p> |
| <p>Nhiokomhaka</p> <p>5.1 Ku hlangeleta na ku ava minchumu ku ya hi swihlawulekisi</p> <p>5.2 Ku hlamusela nhlangelo wa minchumu leyi aviweke ku ya hi swihlawulekisi swo karhi</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ndlandlamuxa magoza ya makhomelo ya vuxokoxoko bya mahungu <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <ul style="list-style-type: none"> - Vadyondzi va hlangeleta 9 wa swirhabiyana. - Ava swirhabiyana ku ya hi vutsongo na vukulu bya sayizi <p>Dirowa girafu leyi kombisaka vuxokoxoko bya mahungu</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <ul style="list-style-type: none"> - Endla girafu ya swifaniso hi swirhabiyana. - Vadyondzi va paka swirhabiyana eka girafu ya swifaniso ku ya hi sayizi xik. Vutsongo na vukulu | <p>Swirhabiyana leswitsongo</p>  <p>Swirhabiyana leswikulu</p>  <p>5</p> <p>3</p> <p>Ku hlava na ku hlamusela vuxokoxoko bya mahungu ya girafu</p> <ul style="list-style-type: none"> • Vulavula hi mbuyelo hi ku vutisa swivutiso xik. I swirhabiyana swingani swi kumekaka lahaya? "I swi ngani swirhabiyana leswitsongo swi kumekaka lahaya? I swingani swirhabiyana leswikulu? Hi swihi swi nga tala/switsongo?" | <p>Phepha ra girafu ya swifaniso. Mudyondzisi a endla phepha ra A4 ri va na tikholomu leti faneleke a nyika mudyondzi un'wana na un'wana.</p> |
| <p>5.3 Ku kana na ku vika hi nhlangelo wa minchumu leyi aviweke ku ya hi swihlawulekisi.</p> | | | |

| <p>Vhiki 18</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingingiriko ya Matematiiki hi vhiki)</p> | | <p>Nkumbetelo wa Nkarhi</p> |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa Nkarhi</p> |
| <p>1.1 Ku hlayela minchumu</p> | <ul style="list-style-type: none"> • Ku tiyisisa vutivi lebyi kumiweke lebyi katsaka tinomboro ta 1, 2, 3 na 4. <p>Swanomo :Hlayela minchumu ya masiku hinkwawo ku fika ka 4 Hlayela emahlweni na le ndzhaku ku fika ka 4 Hlayela 1-7 hi ku swi bela enhlokweni</p> <p>Ku tiyisisa minongoti ya “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 4</p> <p>Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tsala nomboro ya 1 emoyeni va tirhisa ritiho ra vona. - Vadyondzi va khumba tinhloko ta vona ku ringana ka mbirhi. - Qhavula vadyondzi va 4 vo hamabana - Pfala vadyondzi matihlo kutani va komba tinomboro 1 ku fika ka 4 hi ku ti khomakhoma va ringeta/va khumba makhadi ya tinomboro. <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3 Vadyondzi va :</p> <ul style="list-style-type: none"> - Dirowa nomboro 1 emisaveni. - Kuma3 wa minchumu leyi fanaka - Tlula eka eka ndhawu yoleyo ku ringana ka 2. - Aka xiphazamiso hi 4 wa swiphemu na ku tlula | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Thireyi /bokisi ra misava</p> <p>Sete ya makhadi ya tinomboro ya khomeka</p> <p>Minchumu yo karhi Vadyondzi 4 wa swiphemu swa xiphazamiso</p> | <p>Siku rin'we</p> |
| <p>1.11 Mali</p> | <ul style="list-style-type: none"> • Ku lemuka na ku kombisa mali ya swingwece ya Afrika Dzonga <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3 Lemukisa vadyondzi hi swiharhi na swimilana swo hambanahambana eka swifaniso swa mali.</p> <ul style="list-style-type: none"> - Ku tirhisa mali ku nga ha endliwa eka dyondzo ya Swikili swa ta Vutomi laha vadyondzi va tlangaka swo xaviselana. - Hi ku tlanga vadyondzi va nga titoloveta timali to hambanahambana ta swingwece. | <p>5c,10c,20c,50c,R1,00,R2,00 and R5,00 Swinwece(mali yo tlangisa kumbe mali ya ntiyiso)</p> | <p>Siku rin'we</p> |

| <p>Vhiki 18</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasi. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingiriko ya Matematiki hi vhiki)</p> | | |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa Nkarhi</p> |
| <p>1.7 Ku hlanganisa na ku susa</p> | <p>Ku ololoxa swiphiko leswi kombisiweke swo hlanganisa na ku susa hi nomo na tihlamulo to fika eka 4 hi nomo Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 4 Hlayela emahlweni na le ndzhaku ku fika ka 4 Hlayela 1-7 hi ku swi bela enhlokweni Ku tiyisisa minongoti ya “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela ku fika ka 4 Ku dyondza hi ku tirhisa swirho Swikombiso:</p> <ol style="list-style-type: none"> 1. Mudyondzisi a vitana mudyondzi 1 emahlweni ka tllasi. Kutani a vitana van'wana vadyondzi va3. Xana i vadyondzi vangani lava a nga va vitana? 2. Mudyondzisi a paka swo hlayela hi swona swi3. A engetela xin'wana xin'we. I swo hlayela hi swona swingani leswi nga etafuleni? 3. Vadyondzi va yima emahlweni ka tllasi. Mudyondzisi a byela mudyondzi un'we ku tshama ehansi. I vadyondzi vangani lava nga emahlweni ka tllasi sweswi. 4. Busi u na 4 wa tipenisele. U nyika Ntshembo 2. I tipenisele tingani leti Busi a nga sala na tona. | <p>Tinsimu ta tinomoro na swinsin'wana</p> <p>Vadyondzi Swo hlayela hi swona Tipenisele</p> <p>Tirhisa switirhisiwa swo hamabanahambana ku va na miehleketo ya ku u nga tirhisa njhani maqhingana</p> | <p>Siku rin'we</p> |

| Vhiki 18 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingiriko ya Matematihi hi vhihi) | Nkumbetelo wa Nkarhi |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Nhlomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomoro</p> <ul style="list-style-type: none"> • Xaxameta na ku pimanisa nhlengelo wa minchumu hi ku tirhisa 'ku tilula ka, ehansi ka' na "ringana na' ku fika ka nomoro 4 <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi a nyika mudyondzi wa ntlawa wun'wana na wun'wana nhlayo yo karhi ya tikhirayoni - Swirho swa ntlawa swi fanele ku komba mudyondzi loyi a nga na tikhirayoni to tala. - Hi wihi mudyondzi loyi a nga na tikhirayoni letintsongo ku tilula vadyondzi van'wana? - Hi vahi vadyondzi lava nga na nhlayo yo ringana ya tikhirayoni ? <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Lulamisa sete ya makhadi ya tinomoro lama ngenhisaka tinomoro 1 ku fika ka 5 hi mfaneko xik. | <p>Tikhirayoni</p> <p>Makhadi ya mimfungo ya tinomoro na mathonsi</p> | <p>Siku rin'we</p> |
| <p>1</p> |  | 1 |
| 2 |  | 2 |
| 3 |  | 3 |
| 4 |  | 4 |
| 5 |  | 5 |
| - | <ul style="list-style-type: none"> - A vutisa swivutiso swo tanihi leswi "Hi rihhi khadi leri nga na minchumu yo tala/mathonsi?" - Hi yihi nomoro leyikulu eka 2? sw. na sw. | |

| <p>Vhiki 18</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingiriko ya Matematiki hi vhiki)</p> | | |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa Nkarhi</p> |
| <p>2.1 Tipatironi ta xiJometiri</p> | <p>Ku kopa na ku hetisa tipatironi leti nyikiweke ta mali ya swingwece Kopa patironi leyi nyikiweke - Mudyondzisi a endla patironi a tirhisa “mali yo tlangisa” xik. 5c, 5c, 5c, 10c, 10c, 10c, 20c, 20c Tshika vadyondzi va : - Va kopa tipatironi to tala leti tumbuluxeke hi mudyondzisi Hetisa patironi leyi nyikiweke Pfumelela vadyondzi va : - Hetisa tipatironi to tala leti tumbuluxiweke hi mudyondzisi xik. o 5c, 5c, 10c, 10c,..... o 5c, 10c,..... o 10c,,20c,.....sw.sw</p> | <p>Mali yo tlangisa kumbe mali ya ntiyiso (5c,10c,20c)</p> | <p>Siku rin'we</p> |


| Vhiki 19 Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 1.1 Ku hlayela minchumu | <p>Ku tiyisisa vutivi lebyi kumiweke lebyi ngenhisaka tinomoro 1, 2, 3 na 4.</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 4 Hlayela emahlweni na le ndzhaku ku fika eka 4 Ku hlayela hi ku bela enhlokweni 1-7</p> <p>Tiyisisa nongoti wa “swo tala” na “switsongo” Phokotela mavoko ko tala YIMA Phokotela mavoko katsongo. Mudyondzisi a ba mavoko ku ringana ka 4</p> <p>Ku dyondza hi ku tirhisa swirho Mudyondzisi a tlakusa khadi ra nomoro na khadi ra mfungho wa nomoro 3 a ku ka vadyondzi: - Ndzi lava vafana vo karhi. - A tlakusa nomoro 2 a ku: Ndzi lava vanhwana vo karhi. - Vumbani mintlawa ya (a tlakusa nomoro 2). - Vuyelela ngingiriko lowu hi makhadi lama nga na tinomoro 1 ku fika 1-4</p> | <p>Tinsimu ta tinomoro na swinsin'wana.</p> <p>Makhadi ya tinomoro lama ngenhisaka nomoro 1 ku fika ka 4</p> <p>Xik.</p> <div style="border: 1px solid black; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">3</div> | Siku rin'we |
| 1.16 Menthele | <p>Menthele Mudyondzisi a tlakusa khadi ra nomoro 3 a vutisa vadyondzi: - I mani nomoro leyi? - Hi yhi nomoro leyi taka ku nga si ta 3? - Hi yhi nomoro leyi taka endzhaku ka nomoro 3? - Vuyelela hi tinomoro ta 1 ku fika 4 - Xana mi nga ndzi komba khadi ra xifaniso leri nga na nomoro leyi fanaka na leyi nga eka khadi ra mathonsi?</p> | <p>Sete ya makhadi ya swifaniso na mathonsi lama ngenhisaka nomoro 1 ku fika eka 4</p> | |

| Vhiki 19 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingingiriko ya Matematiki hi vhiki) | | |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>1.16</p> <p>Menthele</p> | <p>Minchumu leyi khomekaka ya matlhelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi a phokotela hi ncino hi ku nonoka ku yimela nomboro yo karhi. Vadyondzi va fanela ku humesa vuhlalu byo tala va byi kombisa. Xik. 4 wa vuhlalu. - Vadyondzi a va veki 1, 2, 3 kumbe 4 wa vuhlalu emahlweni ka vona - Byela vadyondzi ku yelanisa nomboro ya vuhlalu na nomboro leyi fanaka na ya khadi ra xikombakombana. Xik 4 wa vuhlalu na mfungho wa nomboro 4 - A va kumi mudyondzi loyi a nga na nomboro leyi fanaka ya vuhlalu. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangji swo khomeka swa matlhelo ma2</p> <p>Mudyondzisi a tlakusa khadi ra thonsi ra nomboro 2 a vutisa vadyondzi:</p> <ul style="list-style-type: none"> - I mathonsi mangani ma nga eka khadi? - Hi yhi nomboro leyi yimeleke hi mathonsi lawa? - Hi yhi nomboro leyi taka endzhaku ka nomboro leyi? - Ku va dirowa nomboro leyi fanaka na mathonsi lama nga emaphepheni ya vona. | <p>4 wa vuhlalu hi mudyondzi un'wana na un'wana</p> <p>Khadi ra xikombakombana xa tinomoro 1,2,3 na 4</p> <p>Makhadi ya swikombakombana swa mathonsi</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; margin: 5px;">1</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">2</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">3</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">4</div> </div> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vhiki 19 | Nkarhi lowu ringanyetiweke wo dyondzisa : | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke |
| Nhlokomhaka | Tinotsi to hlamusela | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke |
| 1.7 Ku hlanganisa na ku susa | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> - Ku oloxa swiphiko leswi kombiweke swo hlanganisa na ku susa (switori swa tinhlayo) hi tinhlamulo to fika eka 4 hi nomo <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Vitana vadyondzi va3 emahiweni. Va hlaleni - Vitana mudyondzi un'wana un'we. I vangani hinkwavo? 3 na1→4 (Nharhu na n'we swi hi nyika 4) - Tlherisela vadyondzi vanharhu emeteni. I vadyondzi vangani va nga kona sweswi. 4 u susa 3→1 <p>Ava vadyondzi hi mintlawa.</p> <p>Vutisa swivutiso swo fana na leswi:</p> <ul style="list-style-type: none"> - I tinhompfu tingani u ti vonaka entlaweni wa n'wina? - I milomo yingani? - I miri yingani?: - Exikarhi vadyondzi vambirhi, I mahlo mangani ma nga kona? - Exikarhi ka vadyondzi vambirhi, I milenge yingani yi nga kona? <p>Minchumu leyi khomekaka ya matihelo ma3</p> <p>Swikombiso</p> <ol style="list-style-type: none"> 1. Tata wa Lindiwe u na movha. Xana i mavhliwa mangani lawa movha wa yena wu nga na wona ? 2. Loko vhlwa ri 1 ri fulata ri susiwa emovheni, ku sala mavhliwa mangani? 3. Huku yi na 4 wa swihukwana. Swimbirhi swi lahleka. I swihukwana swingani swa ha riki na huku? 4. Huku yi kuma swihukwana swa yona swimbirhi leswi a swi lahlekile. I swihukwana swingani leswi huku yi nga na swona sweswi? | Siku rin'we | <p>Swo hlaleni hi swona</p> <p>Tirhisa switirhisiwa swo hambanahambana ku kuma miehleketo ya leswaku u nga tirhisa njhani maqhingano yo hambanahambana</p> <p>Swo hlaleni hi swona</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 19 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 1.4 Hlamusela, pimanisa na ku xaxameta tinomboro | <p>Ku xaxameta na ku pimanisa nhlengelo wa minchumu hi ku tirhisa “Ku tlula ka” “ehansi ka” na “ringana na” ku fika eka nomboro 4</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a veka minchumu yo hambanahambana etafuleni xikombiso, 2 wa tikhirayoni, 4 wa tibuloko leti fanaka, 2 wa mathini, 2 wa tibuku. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela nomboro ya tikhirayoni na mathini. Xana ku na tikhirayoni to tala kumbe mathini yo tala? - Hlayela nomboro ya tibuloko na tibuku. Ku na tibuloko letintsongo ku tlula tibuku? - Hlayela tibuku na tikhirayoni. Xana ku na nomboro leyi ringanaka ya Minchumu kumbe e-e? | Tikhirayoni, tibuloko, mathini, tibuku | Siku rin'we |
| | Minchumu leyi khomekaka ya mathelo ma3 | Swo hlayela hi swona | |
| | <ul style="list-style-type: none"> - Vadyondzi va tshama emeteni un'wana na un'wana a nyikwa nomboro yo karhi ya swo hlayela hi swona. - Mudyondzi un'wana na un'wana u fanele ku va na nhlayo yo hambana ya swo hlayela hi swona. - Vadyondzi va humesa swo hlayela hi swona emahlweni ka vona. Mudyondzisi a vutisa vadyondzi : <ul style="list-style-type: none"> o I mani a nga na swo hlayela hi swona swo tala? o I mani a nga na swo hlayela hi swona switsongo? o Hi vahi vadyondzi lava nga na nomboro leyi fanaka ya swo hlayela hi swona? | Mudyondzisi a nyika mudyondzi un'wana na un'wana nomboro yo hambana ya swo hlayela hi swona ku fika eka nomboro 4 | |
| 3.3 Swivumbeko swa mathelo ma2 | <p>Lemuka, kombisa na ku vula swivumbeko na swifaniso swa mathelo ma2 etlilasini</p> <ul style="list-style-type: none"> • Endla na ku hetisa xiphazamiso xa swiphemu swa 4 (Pfanganisa a na Vutshila bya swo Voniwa.) <p>Pfumelela vadyondzi va :</p> <ul style="list-style-type: none"> - Dirowa xifaniso eka phepha ra A4 - Mudyondzi a dirowa ntila endzhaku ka xidirowiwa xa mudyondzi. - Mudyondzi a tsema xifaniso hi ku landzelela mintila leyi longoloxiweke. - Mudyondzi a hetisa/aka/xiphazamiso | Swidirowiwa swa vadyondzi | Siku rin'we |


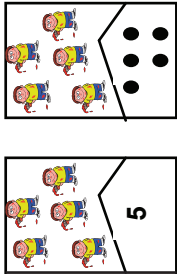


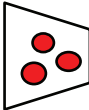


| <p>Vhiki 19</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki)</p> | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Nhlakomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>4.1</p> <p>Nkarhi</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ndlamuxa ndzemuko wa leswi humelelaka exikarhi ka swakudya swa madyambu na hi nkarhi wo etlela. (Pfanganisa na nhlakomhaka ya Vutivi bya Masungulo eka dyondzo ya Swikili swa ta Vutomi). <p>Pfumelela vadyondzi va: :</p> <ul style="list-style-type: none"> - Vulavula hi leswi va swi endlaka loko va dyile swakudya swa namadyambu. - Vulavula hi leswi nga humelela ekaya endzhaku ka nkarhi wa swakudya swa namadyambu. <p>Mudyondzisi a vutisa:</p> <ul style="list-style-type: none"> - "Xana u ta exikolweni namadyambu kumbe na mixo ke?" - Loko Pimani a ya exikolweni loko bele yi bile, xana Pimani u hlwerile kumbe a hatlisile?" - "Xana ri kwihl dyambu navusiku?" <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangji swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Vadyondzi va dirowa swifaniso swo komba swindleko swa le ndzhaku ka swakudya swa madyambu. - Endla xiphazamiso lexi nga ta humelerisa swindleko hi ndzandzelelano na/ kumbe migingiriko. | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Swifaniso leswi kombaka leswi humelelaka ku sukela hi nkarhi wa madyambu ku fikela ka wo etlela.</p>  | <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> |

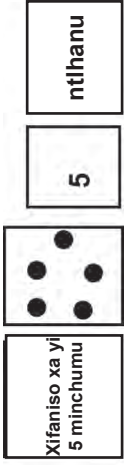
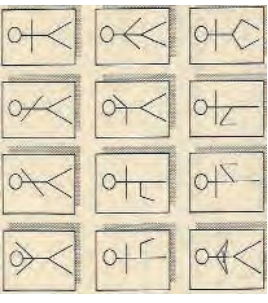
| Vhiki 20 | Tirhisa vhiki 20 ku tirhana na ntwisiso wa ku tsana na/kumbe swirhalanganyi swo dyondza leswi kumiweke. | Swilaveko swa makambelelo |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Vundzeni</p> <p>Tinomboro, Tioparexini na Vuxaka</p> | <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Pimanyeta na ku hlayela hi ku swi bela enhlokweni ku fika eka 7 (tinsimu ta tinomboro ti katsiwiile ku ndlandlamuxa minongoti ya nomboro)</p> <p>Hlayela endzhaku na le mahiweni (1-4)</p> <p>Ku twisisa minongoti ya “swo tala” na “switsongo” (Ku phokotela)</p> <p>Ku lemuka tinomboro eka mbangu lowu nga toloveka xik. Nomboro ya yindlu, adirese, rhijiisitara</p> <p>Kombisa makhadi ya swifaniso na mathonsi</p> <p>Ku tiva mimfungho ya tinomboro 1, 2, 3,4</p> <p>Ku lemuka mavito ya tinomboro mbirhi, nharhu na mune</p> <p>Ku twisisa leswaku nchumu wu yimela nomboro. (Chati ya vafuni hi nkarhi wa swakudya)</p> <p>Hambanisa exikarhi ka swo tala, switsongo, na ringana na, ku fika ka 4</p> <p>Ku lemuka swingwece swa mali swo hambanahambana swa Afrika Dzonga.</p> <p>Ku tirhisa switirhisiwa leswi khomekaka</p> <p>Ku hlamusela miehleketo ya yena n'wini hi marito na hi swo dirowiwa kumbe minchumu leyi khomekaka</p> <p>Ku ololoxa swiphigo swo hlanganisa na ku susa ku fika ka nomboro 4 hi nomo</p> |
| <p>Tipatironi, Tifankixini na Alijebura</p> <p>Ndhawu na Xivumbeko (Jometiri)</p> | <p>Tithekiniki to ololoxa swiphigo swa tinhlayo</p> <p>1.7 na 1.13</p> <p>Ku hlanganisa na ku susa</p> <p>2.1</p> <p>Tipatironi ta xiJometiri</p> <p>3.1</p> <p>Xiyimo, ndzetelo na mathelo</p> | <p>Ku kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta yena n'wini (minchumu, swivumbeko na swingwece)</p> <p>Ku twisisa xiyimo xa minchumu yimbirhi kumbe yo tala leswi fambelanaka na mudyondzi Ehenhla ka, ehansi ka</p> |

| Vhiki 20 | Tirhisa vhiki 20 ku tirhana na ntwisiso wa ku tsana na/kumbe swirhalanganyi swo dyondza leswi kumiweke. |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vundzeni | <p>Nhlokomhaka</p> <p>3.2</p> <p>Swivumbeko swa matlhelo ma2</p> <p>Swilaveko swa makambelelo</p> <p>Ku aka kwalomu ka 12 wa swiphemu swa xiphazamiso</p> <p>Ku komba vuswikoti byo hambanisa exikarhi ka minchumu leyi “nga andlaleriwa emahlweni na leyi nga andlaleriwa endzhaku” (kambela nakambe)</p> <p>Ku lemuka, kombisa na ku vula yinhlantarhu</p> <p>Ku twisisa xivumbeko xa yinhlantarhu (Nhlaysiso wa swivumbeko)</p> <p>Pimanisa nhlengelo wa minchumu yimbirhi leyi nga leha/ leha ngpfu, koma/koma ngopfu</p> <p>Hlawula minchumu hi sayizi – leha na koma</p> <p>Mihlovo - (tshwuka, xitshopana, wasi na rihlaza)</p> <p>Swivumbeko</p> <p>Ku tlanga hi ku valanga tibuloko to aka</p> <p>Ku lemuka ntila wa ndzinganiso eka mbangu wa yena.</p> <p>3.4</p> <p>Lemuka ntila wa ndzinganiso eka vona vinyi na le ka mbangu</p> <p>Ku kota ku tsemakanya ntila wa le xikarhi.</p> <p>4.1</p> <p>Ndzinganiso</p> <p>Ku twisisa masiku ya vhiki,tinguva na chati ya maxelo, (Tinsimu na swinsin'wana - kambela nakambe)</p> <p>Nkarhi</p> <p>Va tiva masiku ya vona ya ku velekiwa (Kambela nakambe)</p> <p>4.2</p> <p>Vunavi bya mpfhuka</p> <p>Ku hambanisa exikarhi ka ku leha ngopfu, koma ngopfu, leha, koma (chati ya vulehi)</p> |
| Mpimo | <p>5.1</p> <p>Ku hlengeleta na ku ava minchumu ku ya hi swihlawulekisi swo karhi</p> <p>5.2</p> <p>Ku hlamusela nhlengelo wa minchumu leyi hlawuriweke ku ya hi swihlawulekisi swo karhi</p> <p>5.3</p> <p>Ku kana na ku vika hi nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi</p> |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | <p>Ku kota ku hlengeleta, ava, hlaya na ku xopaxopa minchumu ku ya hi swihlawulekisi swo karhi</p> |

| KOTARA YA 3 GIREDI YA V | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mingiriko ya Matematiki hi vhiki) | | | |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 21</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <p>• Ku dyondzisa nhlamuselo ya nomboro ya 5 ro sungula</p> <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 5. Hlayela emahlweni na le ndzhaku ku fika eka 5. Ku hlayela hi ku bela enhlokweni 1-10</p> <p>Tiyisa ku hlayela ka odinali:</p> <p>Mudyondzisi a paka Minchumu ya 3 hi nxaxamelo. Komba nchumu wun'wana na wun'wana loko u hlayela rosungula, ravumbirhi, ravunharhu.</p> <p>Tiyisa nongoti wa “swo tala” na “switsongo”</p> <p>Phokotela mavoko ko tala YIMA</p> <p>Phokotela mavoko katsongo. Mudyondzisi a ba mavoko ku ringana ka 5</p> <p>Vutisa xivutiso xa leswaku hi kwihhi ku phokotela loku a ku tele/katsongo.</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Swinsin'wana swo hlayela na swinsin'wana, xik... A hi tshameni ka kahle hi tshinelela van'wana, nomboro 1, 2, 3, 4, 5”</p> <p>Minchumu yi3</p> | <p>Siku rin'we</p> |
| | <p>Ku dyondza hi ku tirhisa swirho</p> <p>Khutaza vadyondzi ku tikumela nomboro ya 5 hi ku:</p> <ul style="list-style-type: none"> - Phokotela mavoko ya vona ku ringana ka 5 - Va kuma leswaku i vadyondzi vangani etiliasini lava va nga na 5 wa malembe hi vukhale | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 21 | Nkumbetelo wa nkarhi | Nkumbetelo wa nkarhi | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ndlamuxa ku tsundzuka na ku khutaza vadyondzi ku bela enhlokweni tinomboro ta yindlu ya ka vona, adirese na nomoro ya riqingho A tiangamintlangu yo fana na: <ul style="list-style-type: none"> - Mudyondzisi a vula nomoro ya yindlu, adirese kumbe nomoro ya riqingho swa hlamula. - Loko mudyondzisi a endla rhijisitarata ra manghenelo a nga vutisa swivutiso swo fana na leswi: "Xana mudyondzi wa nomoro leyi 435-6256?" ya riqingho u kona namuntlha "Xana mudyondzi loyi a tshamaka eMandela Drive 123 u kona namuntlha?" - Vadyondzi va tirhisa nomoro ya mfungho wa swikombakombana ku paka nomoro ya yindlu ya ka vona kumbe nomoro ya riqingho hi ndzandzelelano hambiloko swi tsandza - A encenyeta mbulavurisano wa le ka riqingho hi riqingho ro tianga ha tona. Vadyondzi va fonela munhu wo karhi wo hlawuleka. <p>Pfanganisa na swa Vutshila byo endla (ntlangu) eka dyondzo ya Swikili swa ta Vutomi</p> | <p>Nomoro ya riqingho yi fanela ku va ya mutswari kumbe muhlayisi naswona yi nga va nomoro ya selulafoni</p> <p>Rhijisitarata ra manghenelo</p> <p>Mimfungho ya tinomoro ta makhadi ya swikombakombana kumbe tinomoro letikulu leti endlwiweke hi khadibodo</p> <p>Riqingho ro tiangisa</p> | <p>Siku rin'we</p> |
| <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Mudyondzisi a komba vadyondzi:</p> <ul style="list-style-type: none"> - Swihangalasangamuhungu swo hambana laha a nga kumaka nomoro ya 5 xik. Makhadi ya masiku ya ku velekiwa, maphephahungu, timagazini, tifulayara na sw. na sw. - Makhadi ya swikombakombanana swa 5 wa mathonsi na makhadi ya swikombakombana swa 5 wa swifaniso. - Tshika vadyondzi va yelanisa swikombakombana swa swifaniso na makhadi ya mathonsi na nomoro leyi fanaka ya swo hlayela hi swona kumbe Minchumu yo karhi. - Endla Swiphazamiso swa tinomoro leswi nga ta nghenisa nomoro ya 5 xik. | <p>Makhadi ya siku ro velekiwa</p> <p>Maphephahungu, timagazini</p> <p>Makhadi ya swikombakombana ya 5 wa mathonsi</p> <p>Makhadi ya swikombakombanana ya 5 wa swifaniso</p> <p>Minchumu</p> <p>Swo hlayela hi swona</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Xifaniso xa yi 5 minchumu</p> </div>  </div> |  | |

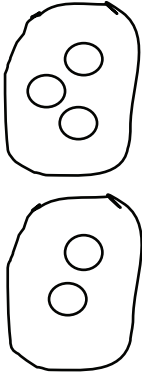
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------|
| Vhiki 21 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi | |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>1.3</p> <p>Mimfungo ya tinomboro na mavito ya tinomboro</p> | <p>Ku tiva mfungo wa tinomboro na ku tekela enhlokweni vito ra nomboro ya 5</p> <p>Swanomo : Hlayela Minchumu ya masiku hinkwawo ku fika ka 5 Hlayela emahlweni na le ndzhaku ku fika ka 5 Ku hlayela hi ku swi bela enhlokweni 1-10</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Tiliasi hinkwayo a yi tshame hi xirhendzvetutana - Nambara vadyondzi ku ya hi patironi. 1, 2, 3, 4, 5. 1, 2, 3, 4, 5. 1, 2, 3, 4, 5. - Vutisa swivutiso swo tanihi; " I mani loyi a nga ta landzela nomboro 5? "I mani a nga ta landzela nomboro 4? - Xana u xi ololoxe njhani xiphiquo lexi? - (Vadyondzi va ololoxa xiphiquo hi ku endla kunene va bvumbha nomboro leyi nga ta landzela hi ku ya emahweni va hlayela) <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <ul style="list-style-type: none"> - A tirhisa makhadi yo khomeka lama ngenhisaka tinomboro ta 1 ku fika ka 5. - Vadyondzi va pfala matihlo ya vona va khumba nomboro ya 5 hi tintiho exikarhi ka mimfungo leyi'wana ya tinomboro. <p>A nyika vadyondzi 5 wa swo hlayela hi swona na tikhapu ta pulasitiki kumbe swikhomelo swa matandza mambirhi.</p> <ul style="list-style-type: none"> - Vutisa vadyondzi: "Hi tih tindlela tin'wana to hambana leti hi nga lulamisaka ha tona swo hlayela hi swona swa nthanu eka tibasikiti timbirhi?" | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku1</p> |
| |    <p>kumbe</p> <p>sw. na sw.</p> | <p>Makhadi ya tinomboro to khomeka lama nga na nomboro 5</p> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Vhiki 21 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | | |
| 1.3 Mimfungho ya tinomboro na mavito ya tinomboro | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> o Kombisa makhadi ya swikombakombana lama nga na 5 wa swifaniso eka wona. o Kombisa makhadi ya swikombakombana lama nga na 5 wa mathonsi eka wona. o Kombisa mimfungho ya tinomboro ta 5 kun'wana na kun'wana laha yi kombisiweke kona etiliasini. o Kombisa mimfungho ya tinomboro eka makhadi ya swikombakombana. <p>Lemuka vito ra nomboro eka makhadi ya swikombakombana.</p> <ul style="list-style-type: none"> o Yelanisa nhlayo ya swo hlayela hi swona na vito ra nomboro na mfungo wa nomboro hi ku paka xo hlayela hi xona eka xifaniso xin'wana na xin'wana na khadi ya thonsi kombisa mimfungho ya tinomboro eka makhadi ya swikombakombana. | <p>Swikombakombana swa swifaniso, mathonsi, mimfungho ya tinomboro na vito ra nomboro</p> <p>Swo hlayela hi swona swa 5</p>  <p>Xifaniso xa yi 5 minchumu</p> <p>ntlhanu</p> | Siku1 |
| 3.4 Ndzinganiso | <ul style="list-style-type: none"> • Tiyisisa ntila wa ndzinganiso hi yena n'wini hi ku endla leswi nga ta khutaza ku hingakanya ntila wa le xikarhi <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tlanga va landzela murhangeri laha vadyondzi va nga ta encenyeta swiyimo leswi nga eka chati - Tlanga va landzela murhangeri laha mudyondzisi a nga ta kombisa xiyimo kutani vadyondzi va encenyeta. Katsa swiendlo leswi vadyondzi va nga ta hingakanya ntila wa le xikarhi xik. Khumba tsolo ra xinene hi voko ra ximatsi - Tlanga va landzela murhangeri laha mudyondzi a nga ta kombisa xiyimo lavan'wana hinkwavo va encenyeta. - Mudyondzisi a kombisa "Star jumps" a khutaza vadyondzi ku endla leswi fanaka. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Veka binibege eka ximatsi, xinene, emahlweni na le ndzhaku ka miri. - Tirhisa voko ra ximatsi a veka binibege eka tihelo ra xinene ra miri - Tsanyuka u hingakanya ntila wa le xikarhi - Vuyelela maendlelo lawa hi voko ra xinene. <p>Pfanganisa nghingiriko lowu na Dyondzo ya Vutiolori eka Dyondzo ya Swikili swa ta Vutomi</p> |  | <p>Siku rin'we</p> <p>Ku suka kwalaho hi nkarhi hinkwawo,hi nkarhi wo tlanga va tshunxekile na hi nkarhi wa migingiriko ya vutiolori</p> |

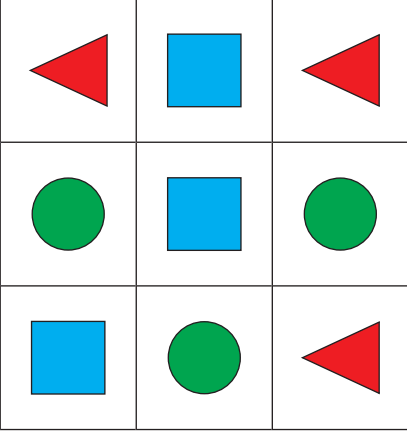
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 21 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa misingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi | |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 4.2 Vunavi bya mpfhuka | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Pimanyeta na ku pima vulehi bya minchumu yo hambana hi ku tirhisa mikondzo, mavoko, xintambyana, ximhandzana sw. na sw. <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Pimanisa vulehi bya mikondzo na mavoko ya vona. - Vadyondzi va pimanisa minchumu ku ya hi ku hi yihi yo leha no koma hi ku pimanisa hi mikondzo kumbe mavoko ya vona xik. tafula kumbe swiphemu swa hosiphayiphi leyi tshovekeke ekaya. - Pimanyeta leswaku hi wihi nchumu lowu nga leha swinene kumbe ku koma swinene xik. xindledyana xa van'wamilenge kumbe rixaxa ra switina. - Tshika vadyondzi va bvumba leswaku hi yihi yi nga leha xik.tlilasi kumbe kamara ra vadyondzisi? - Vutisa xivutiso xo "tanihi": "Hi yihi yo leha/yo leha swinene, penisele kumbe xiphemu xa xintambyana?" na sw. na sw. | <p>Minchumu leyi nga na vulehi byo hambana lebyi nga pimiwaka hi voko kumbe nkondzo xik.</p> <p>Rhula, tafula, xipfalo, rixaxa ra switina, pholi yin'we ya bolo ya milenge, tlilasi, layiburari na sw. na sw.</p> | Siku rin'we |

| Vhiki 22 Nkharhi lowu ringanyetiweke wo dyondzisa: Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi | Nkumbetelo wa nkarhi |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| <p>1.1</p> <p>Ku hlayela minchumu</p> <ul style="list-style-type: none"> • Tiyisisa vutivi lebyi kumiweke lebyi katsaka nomboro 5 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 5 A hlayela emahiwani na le ndzhaku ku fika eka 5 Ku hlayela hi ku bela enhlokweni 1-10</p> <p>Tiyisisa minongoti “swo tala na switsongo”. Phokotela mavoko ko tala YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka ntlhanu 5 A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tihisa swirho Khutaza vadyondzi ku tikumela nomboro ya 5 hi ku:</p> <ul style="list-style-type: none"> - Komba 5 wa tintiho emoyeni. - kuma 5 wa minchumu yo tshwuka, wasi, xiitshopana na rihlaza. - Kuma 5 wa minchumu leyi langutekaka tanihi xirhendzevutana, xikwere, yinhlanharhu <p>Ku tihisa minchumu yo khomeka ya mathelo ma3 Pfumelela vadyondzi va ndlandlamuxa ntwisiso wa tinomboro hi ku:</p> <ul style="list-style-type: none"> - Teka 5 wa tibuku ekhoni ya tibuku - Aka xihondzo hi 5 wa tikhuyubu ta yunifikisi kumbe tibuloko to aka hi tona. | <p>Siku rin'we</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>xik. Swinsin'wana swo hlayela na swinsin'wana, xik.</p> <p>Swinsin'wana leswi yelanaka na nghingiriko</p> <p>Swo hlayela hi swona</p> <p>Tibuku</p> <p>Tibuloko to aka hi tona kumbe tikhuyubu ta yunifikisi</p> | |

| Vhiki 22 | Nkarhi lowu ringanyetiweke wo dyondzisa: Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa migingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi | |
| <p>1.7</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ololoxa swiphiko swa tinhlayo ta marito (switori swa tinhlayo) hi nomo na ku nyika tinhlamulo leti nghanisaka nomboro 5 <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Vitana 5 wa vadyondzi emahiweni. Avelanani 5 wa eswitulu hi ku ringana hi nthanu. - Susa xitulu xin'we. Sweswi avelanani switulu hi nthanu ka n'wina. Mudyondzi un'we a sali a nga ri na xitulu. - Sungula eka 5. Hlayela endzhaku. Sungula eka 3. Hlayela u fika eka 5. Sungula eka 1. Hlayela u fika eka 4 na sw. na sw. <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> 1. Kombisa ritiho ri1 eka voko ra wena na 4 wa tintiho eka voko lerin'wana. I tintiho tingani hinkwato? 2. Tivani u na 4 wa makokisi. Mpho a n'wi nyika 1. I makokisi mangani lama Tivani a nga na wona hinkwawo? 3. Vukosi u na 5 wa maribye kutani a nyika Vutihari 5 eka wona. I maribye mangani lama Vutihari a nga na wona? 4. Nishembo u na 5 wa timhavula, a lahekela hi 2. Xana u sale na timhavula tingani? 5. Ximanga xin'we xi na tindleve timbirhi. I tindleve tingani leti swimanga swimbirhi swi nga na tona? 6. Risimu, "Ntlhanu wa mabodhlela ya rihlaza ma hayekiwa ekhumbini, "helela hi ziro" (Kombisa leswaku mabodhlela ma ve matsongo.) | <p>Swo hlayela hi swona Timhavula Risimu</p> | <p>Siku rin'we</p> | |

| <p>Vhiki 22</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa: Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> |
| <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Pimanisa nhlangelo wa minchumu yimbirhi leyi nyikiweke yi tlula ka, nga ehansi ka, ringana na, ku fika eka nomboro 5 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 5 A hlayela emahlweni na le ndzhaku ku fika eka 5 Ku hlayela hi ku bela enhlokweni 1-10</p> <p>Tiyisa minongoti ya “swo tala” na” switsongo”. Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 5. A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Mudyondzisi a veketele minchumu yo hambana etafuleni xik. 2 wa timagi, 5 wa tibuloko to fana, 4 wa mathini, 2 wa tibuku. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> Hlayela timagi na mathini. Xana ku na timagi to tala kumbe mathini yo tala? Hlayela nomboro ya tibuloko na tibuku. Xana ku nga va na tibuloko tintsongo ku tlula tibuku? Xana ku nga va ku ri na tibuloko to tala ku tlula tibuku? Hlayela tibuku na timagi. Xana nomboro ya minchumu leyi ya ringana kumbe e-e? | <p>Siku rin'we</p> |
| <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> Vadyondzi va tshama eka mete na ku endla “swisaka” swimbirhi hi tiwulu Mudyondzisi a nyika swiletelo xik. vadyondzi va vekela 2 wa swikhomelo eka xisaka xin'we na swin'wana swa 3 eka xisaka lexin'wana. Hi xihl xisaka lexi nga na swo tala? Hi xihl xi nga na switsongo? Mudyondzisi a vitana vadyondzi va 5 emahlweni. A veka nhlayo ya vuhlalu yo hambana emavokweni ya mudyondzi un'wana na un'wana. Hi rihl voko leri nga na byo tala? Hi rihl voko leri nga na lebyitsongo? <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> Mudyondzisi a kombisa makhadi mambirhi ya nhlayo yo hambana ya mathonsi na swifaniso eka swona. Vadyondzi va pimanisa makhadi ya swifaniso na ya mathonsi eka wona na ku kombisa minongoti ya swo “tlula ka”, swa le hansi ka “ na ” ku ringana na” | <p>Swiphemu swa wulu swa mudyondzi un'wana na un'wana.</p> <p>6 wa swo hlayela hi swona swa mudyondzi un'wana na un'wana.</p>  <p>Vuhlalu</p> <p>Makhadi ya swifaniso na makhadi ya mathonsi lama ngenhisaka tinomboro ta 1 ku fika eka 5</p> |

| Vhiki 22 | Nkarhi lowu ringanyetiweke wo dyondzisa: Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| <p>2.1</p> <p>Tipatironi ta xiJometiri</p> <ul style="list-style-type: none"> • Tiyisisa ku kopunula ka tipatironi leti nyikiweke <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Va tirha hi mintlawa va kopunula patironi leyi nyikiweke xik. Mudyondzi, xitulu, mudyondzi, xitulu. - Vadyondzi vambirhi, xitulu xin'we, vadyondzi vambirhi, xitulu xin'we - Yima hi nenge wun'we, yima hi nenge lowun'wana, tulatlula u ya emahlweni, tulatlula u ya endzhaku - Ku tirhisa minchumu yo khomeka ya mathelo ma3 - Mudyondzisi a tumbuluxa patironi hi ku tirhisa swo hayela hi swona na swipfalo swa mabodlhela, swo hayela hi swona, xik swo hayela hi swona, swo hayela hi swona, swipfalo swa mabodlhela. Vadyondzi va kopunula tipatironi. - Famba hi ku nonoka, nonoka, hatlisa, hatlisa. (Mudyondzisi a vulavula a ri karhi a famba) Vadyondzi va kopa patironi <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Ava vadyondzi hi mintlawa ya 5. Nyika ntlawa wun'wana na wun'wana swifaniso leswaku va ta endla tipatironi hi swona. - Vadyondzi va tumbuluxa tipatironi ta swifaniso swa vona vinyi hi ku tirhisa swifaniso leswi va nyikiweke xik. <ul style="list-style-type: none"> o lamula, Apula, Apula, lamula. o Phaphatana, Phaphatana, Nyoxi, Nyoxi. <p>Nghingiriko lowu wu nga katsiwa na Vutshila bya swo voniwa hi mathihlo eka Dyondzo ya Swikili swa ta Vutomi</p> | <p>Vadyondzi</p> <p>Switulu</p> <p>Swo hayela hi swona</p> <p>Swipfalo swa mabodlhela</p> <p>Swifaniso swin'wana na swin'wana leswi nga kumekaka xik.</p> <p>Kandziyisa swifaniso ku endlela leswaku u va na swo ringanela.</p> | <p>Siku rin'we</p> |

| Vhiki 22 | Nkarhi lowu ringanyetiweke wo dyondzisa: Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini. (Nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 wa mgingingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Swikwere ehansi/efulurini | |
| <p>3.3 Swivumbeko swa mathelo ma2</p> | <p>Lemuka na ku kombisa, na ku vula swivumbeko swa mathelo ma2 etlilasini na le ka swifaniso.</p> <ul style="list-style-type: none"> Tiyisisa vutivi lebyi kumiweke hi 6 wa mavhiki lebyi nghenisaka swikwere <p>Pfanganisa na dyondzo ya swa Vutiolori eka Swikili swa ta Vutomi.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Dirowa xikwere eka rivala ro tiangela vadyondzi va tlula exikwereni. Vadyondzi a va vuli va ku: "Ndzi tlula exikwereni— tlhelo rin'we, mathelo mambirhi, mathelo manharhu,, mathelo ya mune – mathelo hinkwawo ma fana" Vadyondzi a va etleli nhloko ya un'wana yi khumba swikunwana swa un'wana ku endla xikwere lexikulu ebyanyini/efulurini/emeteni. Ntlawa wa vadyondzi a wu etleli ehansi emeteni va endla swikwere leswitsongo. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> Ntlangu: Mudyondzisi a dirowa ndzhungelelano(giridj)eka rivala ro tiangela. A vekela swivumbeko swa ntiyiso xik. swivumbeko swa logi, kumbe xivumbeko xa swifambiso eka buloko yin'wana na yin'wana. Mudyondzisi a vula xivumbeko. Mudyondzisi a hoxa binibege eka buloko leyi fambelanaka na xivumbeko lexi vuriweke. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Vadyondzi va fanele va hambanisa exikarhi ka sayizi na minlovo yo hambanahambana ya swikwere leswi mudyondzisi a swi lulamiseke.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> Lemuka swikwere ku ya hi tisayizi to hambana hi ku vula leswaku l swikwere swi leswi nga swikulu ngopfu, hi swihi leswitsongo ngopfu, na leswi eka sayizi ya le xikarhi. Lemuka mihlovo yo hambanahambana ya swikwere. <p>Hlawula minchumu ku ya hi xivumbeko, sayizi na muhlovo</p> <ul style="list-style-type: none"> Hlawula minchumu yo hambanahambana ku ya hi muhlovo na swivumbeko. |  | <p>Binibege</p> <p>2 wa makhadibodo lamakulu ya swikwere swa xin'we ra wasi na xin'we ra rihlaza</p> <p>2 wa makhadibodo lamatsongonyana ya swikwere, xin'we xa wasi na xin'we xa rihlaza (xikarhi)</p> <p>2 wa makhadibodo lamatsongo ya swikwere leswitsongo, xin'we xa wasi na xin'we xa rihlaza</p> | |

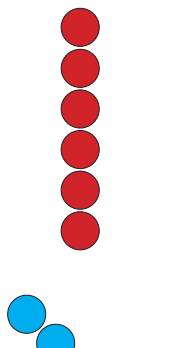
| <p>Vhiki 23</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriwekw hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Tiyisisa vutivi lebyi u byi kumeke lebyi nghenisaka tinomboro ku suka eka 1 ku fika eka 5 <p>Swanomo: Hlayela minchumu ku fika eka 5 Hlayela emahiweni na le ndzhaku ku fika eka 5 Ku hlayela hi ku bela enhlokweni 1-10</p> <p>Tiyisisa minongoti ya “swo tala” na “switsongo”. Phokotelani mavoko ya n'wina ko tala YIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 5. A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tirhisa swirho A hi tiangeni ntlangu:</p> <ul style="list-style-type: none"> - Mudyondzisi a tianga xichayachayana xik. xigubu. - Vadyondzi va rhendzeleka. - Loko xigubu xi yima ku chaya, mudyondzisi u vula nomboro ya le xikarhi ka 1 na 5. - Vadyondzi va tilulamisa hi mintlawa leyitsongo xik. mudyondzisi a vitana 3 kutani vadyondzi va tilulamisa hi mintlawa ya 3 <ul style="list-style-type: none"> • Ku tirhisa minchumu yo khomeka ya matihelo ma3 - Mudyondzisi a veketela minchumu hi nyandza etafuleni. Tshika vadyondzi va pimanyeti leswaku i minchumu yingani yi nga le ka nyandza. - Hlayela endzhaku ka swona. |
| <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> <p>Hlawula ntsena migingiriko yitsongo</p> |
| <p>Nkumbetelo wa nkarhi</p> | <p>Xigubu</p> |


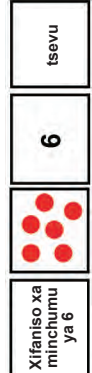
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekw hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---|---|---|---|---|--|
| Vhiki 23 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi | | | | | | |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi | | | | | | |
| 1.6 Tithekiniki to ololoxa xiphigo xa tinhlayo | <p>Ku dyondza hi ku tirhisa swirho</p> <p>A hi tiangeni ntlangu :</p> <p>Mudyondzisi a tumbuluxa lerha ra tinomboro ehansi kumbe efulurini. Tinomboro leti nga eka lerha ti yimela nomboro ya tiyindlu leti vadyondzi va tshamaka eka tona.</p> <p>Mudyondzisi a hlawula vadyondzi hi ku tirhisa xinsin'wana xo hlaiyela kutani a nyika swiletelo swo fana na leswi:</p> <ul style="list-style-type: none"> - Yima eka ziro minkarhi hinkwayo kumbe u sungula eka ziro. Kombisa leswaku ziro a nga vuli "nchumu" na leswaku ku hlaiyela ku sungula eka 1. - Hlayela u ri karhi u fambafamba minkarhi hinkwayo. - Mudyondzisi aku eka vadyondzi: "U le ka nomboro ya 2, hi yihi yindlu leyi taka endzhaku ka yindlu ya 2?" - Swiletelo swin'wana ku nga va ku: "Suka u ya eka yindlu ya nomboro ya 3. Tihlelela eka yindlu ya nomboro ya 2. Yana emahlweni eka yindlu ya 4. - Mudyondzisi a ku: "Ndzi le ka yindlu ya nomboro 3, hi yihi yindlu leyi landzelaka endzhaku ka ya mina ?" - Famba u ya ka yindlu ya nomboro ya 4. Yana emahlweni hi nomboro 1. Tihlelela endzhaku hi nomboro 2. - Yima exikarhi ka yindlu ya nomboro 3 na 5. | <table border="1"> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> </table> <p>Swinsin'wana swo hlaiyela Xik.</p> <p>"A hi tshameni kahle, hi tshinelela van'wana, Nomboro: 1, 2, 3, 4, 5,"</p> | 0 | 1 | 2 | 3 | 4 | 5 | |
| 0 | 1 | 2 | 3 | 4 | 5 | | | | |
| 1.4 Hlamusela, pimanisa na ku xaxameta tinomboro | <ul style="list-style-type: none"> • Tirhisa nomboro ya 5 eka mbangu lowu tolovelekeke <p>Loko u lava ku hluvukisa miehleketo(ku tsundzuka) khutaza vadyondzi ku:</p> <ul style="list-style-type: none"> - Bela enhlokweni nomboro ya riqingho ya manana kumbe tatana wa yena. - Bela enhlokweni adirese ya ka vona. - Riqingho/tinomboro ta selulafoni ti fanele ku vuyeleriwa hi nkarhi wa rhijisitara. | Nomboro ya riqingho ya manana kumbe Tatana na adirese ya le kaya. | Siku rin'we | | | | | | |
| 3.2 Minchumu yo khomeka ya mathelo ma3 | <ul style="list-style-type: none"> • Aka minchumu ya mathelo ma3 u tirhisa switirhisiwa leswi khomekaka <ul style="list-style-type: none"> - Vadyondzi va aka hi kopela eka swa mudyondzisi. U nyika swiletelo leswi landzelaka: - Va aka xihondzo lexi vulehi bya xona byi ringanaka na bya mina. - Va aka xihondzo lexi nga hanshi eka xa mina (xo koma ku tlula xa mina) - Va aka xihondzo lexi nga henhla eka xa mina (xo leha). - Vadyondzi va tiakela hi ku kopela eka xivumbeko lexi va nyikiweke xona tanihi xikombiso. | Tibuloko to aka hi tona/ Tibuloko ta Lego | Siku1 kutani masiku hinkwawo | | | | | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekw hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 3.1 Xiyimo, ndzetelo na mathelo | <p>Landzelela swiletelo swa mathelo swo famba kumbe swo u ti kuma u ri eka ndhawu yo karhi (Mathelo)</p> <ul style="list-style-type: none"> • Ku va na ntwisiso wa mathelo hi ku nghenisa minongoti ya “ emahlweni na endzhaku” <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> • Tanihi manghenelo, tiyisisa vutivi lebyi va byi kumeke hi vhiki ra 8. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Dirowa xirhendzevutana lexikulu,yinhlanharhu kumbe xikwere eka phepha kutani u ri veka ehansi/emefeni. - Pfumelela vadyondzi va: - susumeta ximovhana xo tlangisa ethelo ka tilayini kutani mudyondzi a vula tlhelo leri ximovhana xi fambelaka eka rona (emahlweni na le ndzhaku, ximatsini na le xineneni a tirhisa voko ku komba ximatsi na xinene) | <p>Swivumbeko leswikulu swo dirowiwa ephephehi</p> <p>Ximovhana xo tlangisa</p> | Siku 1 |
| | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Tshika vadyondzi va tokota hi nongoti wa emahlweni/endzhaku hi ku komba tlhelo ra kona eka xifaniso xik. tlhelo leri movha wu yaka eka rona, tlhelo leri munhu a fambaka eka rona. | <p>Swifaniso leswi kombaka mathelo xik. Tlhelo leri movha wu fambaka hi rona, Tlhelo leri munhu a fambelaka eka rona.</p> | |

| Vhiki 23 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekw hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | | |
| <p>4.2</p> <p>Vunavi bya mpfhuaka</p> | <p>Tinotsi to hlamusela</p> <p>Pimanyeta na ku xaxameta minchumu hi ku tirhisa ntivomarito lama hlamuselaka vulehi</p> <ul style="list-style-type: none"> • Pimanyeta vulehi bya minchumu yo hambanahambana <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Vadyondzi va tilulamisa hi ku koma na hi ku leha. Pimanisa vulehi bya vona na bya vanghana va vona. - Tlangamintlangu ya "landzela murhangeri". Lavo leha va endla swo karhi loko lavan'wana va kopa leswi va swi endlaka. A ku cincaniwe eka lavo koma ku va na loyi a rhangelaka sweswi. - Vadyondzi a va pimanise mavoko na milenge ya vona ku vona leswaku i swa mani swi nga leha ngopfu/ku koma ngopfu. <p>Kumbetela kutani u pima:</p> <ul style="list-style-type: none"> - Vadyondzi va kumbetela Minchumu leyi nga leha na leyi nga koma xik. Vulehi bya tafula kumbe xiphemu xa xintambyana. - Pimanyeta leswaku hi wihhi nchumu lowu nga leha ngopfu kumbe ku koma ngopfu xik. Penisele kumbe khirayoni. - Vadyondzi a va bvumbi leswaku hi wihhi nchumu lowu nga ta va wu lehile xik. 2 wa swimhandzana kumbe swinsimbana swinharhu swimanyisaphepha swi vekwiwe ehansi. - A vutisa swivutiso swo fana na leswi: "Hi xihhi xi nga leha /leha ngopfu, penisele kumbe xiphemu xa xintambyana? na sw. na sw. - Hi xihhi xitulu lexi nga ekule na desika ra mudyondzisi? - I tipenisele tingani leti nga ringanaka ethelweni ra desika ra mudyondzisi? - I magoza mangani lawa u faneleke ku famba wona ku ya fika enyangweni? - I mabokisi mangani ya menciisi lama nga na misava ma nga ta tata bokisi? - I tikhapu tingani to khoma matandza leti nga tala hi mati ti nga tataka nghilazi leyi hi mati? - Hi lava vadyondzi va mune na switulu swinharhu. - Xana ku pfumaleka switulu swingani ? | <p>Minchumu leyi nga na vulehi byo hambanahambana tanihi:</p> <p>Penisele, khirayoni, swiphemu swa swintambyana (xin,we xa swona xi va lexi nga tsondzeleka), tafula, tibuku, swimhandzana, swimanyisaphepha (petseka na ku tsondzeleka) sw. na sw</p> | <p>2 wa masiku</p> <p>kumbe</p> <p>Hlawula ntsena mgingiriko yitsongo.</p> | |

| <p>Vhiki 24</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <p>Ku dyondzisa nhlamuselo ya nomboro ya 6 ro sungula</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 6. Hlayela emahlweni na le ndzhaku ku fika eka 6. Ku hlayela hi ku bela enhlokweni 1-10</p> <p>Tiyisa ku hlayela ka odinali:</p> <p>Vadyondzisi va paka minchumu yinharhu hi rixaxa. A komba wun'wana na wun'wana a ri karhi a hlalela xo sungula, xa vumbirhi, xa vunharhu</p> <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala.....YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 6</p> <p>A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> |
| <p>Ku dyondza hi ku tihisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela ku fika ka 6 va ri karhi va khandziya lerha. - Hlayelani mi ya endzhaku loko va ri karhi va khandziya va ya ehansi - Dirowa nomboro ya 6 emisaveni kutani u famba/tlulatlula hi nenge wun'we. - Phokotela mavoko ku ringana ka 6. - Lemuka tinomboro ta1 ku fika eka 6 na sete ya mimfungo ya tinomboro. - Humesa nomboro ya yindlu kumbe ya thelefoni na mfungo lowukulu wa makhadi ya mimfungo | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> |
| <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> | <p>Endla sete ya wena ya mimfungo ya tinomboro leti vadyondzi va ka ti khomaka. Va nga dyondza nomboro ya malembe ya vona, Nomboro ya yindlu/ fulete, thelefoni kumbe tinomboro ta selula ta vatswari na tin'wana to tala.</p> <p>Sete leyi ya tinomboro yi nga tihisiwa ku lemuka tinomboro na ku ti paka hi nxanxamelo.</p> |


| <p>Vhiki 24</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingingiriko ya Matematiki hi vhiki)</p> | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Hlayela minchumu leyi nga etillasini. Pfumelela vadyondzi va: Vutisa swivutiso swo fana na:</p> <ul style="list-style-type: none"> - Hi yih nomboro leyi landzelaka endzhaku ka nharhu, hi yih nomboro leyi landzelaka endzhaku ka 5, sw. na sw. - Mudyondzisi a veketela minchumu hi nyandza etafuleni. Vadyondzi a va kumbeteli nhlayo ya minchumu leyi nga eka nyandza. Endzhaku ka swona yi hlayele. - Ndlandlamuxa ndzemuko wa nhlayiso wa tinomboro hi ku byela vadyondzi va paka tsevu wa swo hlayela kumbe minchumu yin'wana na yin'wana hi tindlela to hambanahambana xik. | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Hlayela minchumu leyi nga etillasini. Pfumelela vadyondzi va: Vutisa swivutiso swo fana na:</p> <ul style="list-style-type: none"> - Hi yih nomboro leyi landzelaka endzhaku ka nharhu, hi yih nomboro leyi landzelaka endzhaku ka 5, sw. na sw. - Mudyondzisi a veketela minchumu hi nyandza etafuleni. Vadyondzi a va kumbeteli nhlayo ya minchumu leyi nga eka nyandza. Endzhaku ka swona yi hlayele. - Ndlandlamuxa ndzemuko wa nhlayiso wa tinomboro hi ku byela vadyondzi va paka tsevu wa swo hlayela kumbe minchumu yin'wana na yin'wana hi tindlela to hambanahambana xik.  | <p>Minchumu leyi nga etillasini na le ka mbangu. Endla switirhisiwa leswi nga ta ku pfuna ku tirhisa maqhinga yo hambana.</p> | <p>Loko ku hlayeriwa, sayizi, xiyimo, kumbe muxaka wo karhi wa swilo a swi na nkucetelo eka nomboro ya minchumu leyi hlayeriwaka. Xikombiso:</p> <ul style="list-style-type: none"> - Lulamisa 6 wa tikunupu, 6 wa tipenisele, 6 wa tihupisi, 6 wa vadyondzi na sw. na sw. - Swi hlayeli hi nxaxamelo wo hambana xik. Swi hlayeli swi hangalakile, swi ri kusuhi na kusuhi, hi ntila kumbe swi pakelanile ku ya henhla. <p>Ava vadyondzi hi mintlawa ya tsevu. Nyika ntlawa wun'wana na wun'wana 6 wa tibuloko to aka hi tona. Pfumelela ntlawa wu:</p> <ul style="list-style-type: none"> - Hlayela tibuloko ta wona. - Aka xihondzo hi tibuloko ta wona ta 6. Khutaza vadyondzi ku hlayela "switina" loko va ri karhi va aka xihondzo. - Mudyondzisi a fambafamba hi ntlawa wun'wana na wun'wana va lebula swihondzo swa vona na nomboro ya khadi. Vadyondzi va hlayela nomboro ya swihondzo. Vuyelela leswi ko tala. - Hlawula mudyondzi a hoxa dayizi. Tiyisisa leswaku vadyondzi va ri vona dayizi leri. Vadyondzi a va hlayeli nomboro ya mathonsi u komba xihondzo lexi yelanaka na yona. <p>6 wa tibuloko to aka hi tona hi mudyondzi un'wana na un'wana</p> |

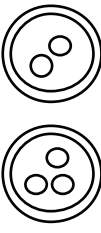

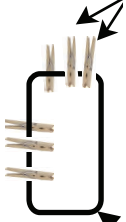
| <p>Vhiki 24</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | <p>Nkumbetelo wa nkarhi</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Siku rin'we</p> | <p>Tinsimu ta tinomoro na swinsin'wana</p> | <p>6 wa minchumu</p> |
| <p>1.3</p> <p>Mimfungho ya tinomoro na mavito ya tinomoro</p> | <p>Ku tiva mimfungho ya tinomoro na ku lemuka mavito ya tinomoro leti nghanisaka nomboro 6</p> <p>Swanomo : Hlayela minchumu hinkwawo ku fika eka 6. Hlayela emahlweni na le ndzhaku ku ringana ka 6. Tiyisisa minongoti ya “swo tala na switsongo ”.</p> <p>Phokotela mavoko ya wena ko tala.... YIMA.</p> <p>Phokotela mavoko ka tsongo. Mudyondzisi a phokotela mavoko ya yena ku ringana ka 6</p> <p>A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Dirowa nomboro ya 6 ehansi/efulurini kutani vadyondzi va famba ethelo ka yona. - Dirowa nomboro ya 6 emisaveni, emoyeni. - Endla nomboro ya 6 hi vumba - Vadyondzi a va bvumbi leswaku ku ta laveka vadyondzi vangani ku endla nomboro ya 6 hi miri ya vona. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Veketela nyandza ya minchumu etafuleni. Tiangani hi tinomoro ta 1ku fika eka 6, xik; - Vadyondzi a va pimanyete leswaku ku na minchumu yingani. - Hlayela minchumu | <p>Makhadi ya swikombakombana lama nga na mathonsi na swifaniso leswi nghanisaka nomboro 6, xik;</p>  <p>Swo hlayela hi swona kumbe minchumu ya mathelo ma3.</p>  | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Kombisa 6 wa swifaniso eka swikombakombana swo hambanahambana u swi yelanisa na nomboro leyi fanaka na swo hlayela hi swona na nomboro ya 6 - Kombisa swikombakombana leswi nga na 6 wa swifaniso u swi yelanisa na nomboro leyi fanaka ya mathonsi na swo hlayela hi swona. - Kombisa swikombakombana leswi nga na mathonsi ya 6 u swi yelanisa na mfungho wa nomboro leyi fanaka na swo hlayela hi swona. - Kombisa vito ra nomboro ya tsevu eka swikombakombana swo hambanahambana u swi yelanisa na mfungho wa nomboro ya tsevu na nomboro leyi fanaka ya swo hlayela hi swona. | |

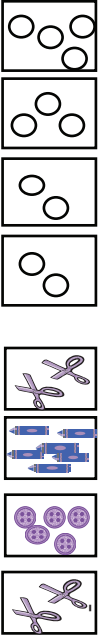
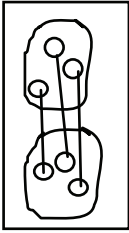
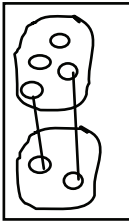

| Vhiki 24 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | | |
| <p>1.13</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Ku ololoxa swiphiko leswi boxiweke swa ku hlanganisa na ku susa hi tinhlamulo to fika eka 6 <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 6. Hlayela emahiweni na le ndzhaku ku fika eka 6. A vutisa xivutiso: "U phokotele kangani ko tala/ kutsongo."</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Swikombiso</p> <ol style="list-style-type: none"> 1. Mudyondzisi a vitana 3 wa vadyondzi emahiweni. Vadyondzi va va hlayela. Mudyondzisi a vitana van'wana va 2 a va vutisa a ku: "I vangani vadyondzi lava hinkwavo ?" 3 na 2 → 5. (Mudyondzisi a ku: 3 na 2 swi hi nyika 5) 2. Mudyondzisi a paka 2 wa switulu. A engetela hi swin'wana swa 2. Xana se i switulu swingani? 2 na 2 → 4. 3. Mudyondzisi a tlakusela voko rin'we ehenhla a ku : "Hlayelani tintiho ta mina. Loko ndzi tumbeta rintiho rin'we, U vona tintiho tingani ? 5 u susa 1 → 4. 4. Vadyondzi a va hlayeli tintiho ta le ka voko rin'we ra vona. Tumbeta rintiho rin'we; U vona tintiho tingani? 5 u susa 1 → 4 | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Vadyondzi Switulu</p> | | |
| | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Vadyondzi a va paki 6 wa swo hlayela hi swona kutani va endla leswi landzelaka:</p> <ul style="list-style-type: none"> • Mudyondzisi a nyika mudyondzi un'wana na un'wana 6 wa swo hlayela hi swona. • Mudyondzisi a nyika swiletelo vadyondzi va endla xik. Pakani swo hlayela hi swona swi 2., engetela swin'wana swi 3. • I swingani hinkwaswo? 2 na 3 → 5. • Hlayela 4 wa swo hlayela hi swona. hlayela ku suka eka 2 ku fika eka 4. Xana u na swingani sweswi? 4 na 2 → 6. • Hlayela vuhlalu hinkwabyo lebyi u nga na byona. Loko u pfalela vuhlalu byimbirhi evokweni ra wena, Xana u vona vuhlalu byingani? 6 susa 2 → 4. | <p>Vuhlalu kumbe swo hlayela hi swona.</p> | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vhiki 24 | Nhlokomhaka | Tinotsi to hlamusela | Nkumbetelo wa nkarhi |
| 1.13 | Ku hlanganisa na ku susa | <p>Ololoxa swiphiko swa tinhlayo ta marito leti nghenisaka nomboro 6 hi nomo</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 6. Hlayela emahlweni na le ndzhaku ku fika ka 6.</p> <p>Tiyisisa minongoti ya “swo tala na switsongo ”.</p> <p>Phokotela mavoko ya wena ko tala....YIMA.</p> <p>Phokotela mavoko ka tsongo. Mudyondzisi a phokotela mavoko ya yena ku ringana ka 6</p> <p>A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> | <p>Siku rin'we</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> |
| | | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> 1. Mpho u na makokisi ya 4. Nhlamulo a n'wi nyika man'wana mambirhi. I makokisi mangani lama Mpho a nga na wona hinkwawo? 2. Basani u na swipopana swi 3, Miyelani u na swipopana swi2. I mani a nga na swo tala? Xana Basani u na swo tala ku tlula Miyelani hi swingani? 3. Ku na swinyenyana swa 5 edarateni. Swi 2 swi haha. Xana ku sale swinyenyana swingani? 4. Ntshembo u na swimovhana swo tlangisa swa 6. Tivani u na swa 4. Xana swimovhana swo tlangisa swa Tivani i switsongo eka swa Ntshembo hi swingani? 5. N'wana un'we u na nhompfu yin'we. Vana vanharhu va na..... 6. N'wana un'we u na mikondzo yimbirhi. Vana vanharhu va na 7. N'wana un'we u na mavoko mambirhi. Vana vambirhi va na 8. N'wana un'we u na nomo wun'we. Vana vanharhu va na | <p>Swo hlayela hi swona</p> <p>Endla switirhisiwa leswi nga ta ku pfuna ku tirhisa maqhinga yo hambana.</p> |
| 3.2 | Minchumu yo khomeka ya mathelo ma3 | <p>Aka nchumu wa mathelo ma3 lowu endliweke hi khadi ra nkhaviso kumbe xifaniso</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla nchumu lowu endliweke hi khadi ra nkhaviso kumbe xifaniso - Vadyondzi va hulela vuhlalu ku ya hi ndzandzelelano lowu nyikiweke eka xifaniso. | <p>Tibuloko to ndlandlamuxa vuswikoti ta “Swivumbeko swa Logi”</p> <p>Switirhisiwa swin'wana na swin'wana swo aka.</p> <p>Vuhlalu, ntambhu yatintangu</p> <p>Makhadi yo hambanahambana lama dirowiweke ya kombisa ndzandzelelano wa vuhlalu</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Vhiki 25 1.1 Ku hlayela minchumu | Tinotsi to hlamusela • Ku tiyisisa vutivi lebyi kumiweke hi vhiki ra vu 24 lebyi nghenisaka nomboro ya 6 Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 6 Hlayela emahlweni na le ndzhaku ku fika eka 6 Ku hlayela hi ku bela enhlokweni 1-10 Tiyisisa minongoti ya “swo tala” na “switsongo”. Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6. A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo. | Tinsimu ta tinomboro na swinsin'wana | Siku rin'we |
| | Ku dyondza hi ku tirhisa swirho A hi tlangeni ntlangu: Mudyondzisi a veka khadibodo lerikulu ra swivumbeko swa tinomboro kumbe makhadi lama nga na tinomboro 1 ku fika eka 6 hi ndzandzelelano efulurini. Mudyondzisi a nyika vana swiletelo swo fana na leswi: - Tshama eka nomboro ya 6. - Veka xikunwana xa wena eka 3. - Tsutsuma u rhendzeleka eka nomboro ya 2 ku ringana kanharhu. - Tlulatlula ehenhla ka nomboro ya 1. - Endzhaku mudyondzisi u ta hangalasa makhadi ya Mimfungho ya tinomboro kutani a nyika swiletelo leswi fanaka na leswi nga laha henhla. | Sete ya makhadibodo ya mimfungho ya tinomboro. U nga ha penda na le ka swiphemu swa tipulasitiki to tsindziyela kumbe khadibodo | |
| | Ku tirhisa minchumu yo khomeka ya matihelo ma3 Pfumelela vadyondzi va: - Hlayela minchumu le tillasini leyi nga ta nghenisa tinomboro ta 1 ku fika eka 6. - Mudyondzi a veketela minchumu yo karhi hi nyandza etafuleni. Vadyondzi a va kumbeteli nhlayo ya minchumu leyi nga eka nyandza. Endzhaku ka swona a va yi hlayeli. | | |


| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>1.3</p> <p>Mimfungo ya tinomboro na mavito ya tinomboro</p> | <p>Tinotsi to hlamusela</p> <p>• ku lemuka na ku kombisa mavito na mimfungo leyi nghenisaka nomboro 6</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 6 Hlayela emahlweni na le ndzhaku ku fika eka 6 Tiyisisa minongoti ya “swo tala” na” switsongó”.</p> <p>Phokotelani mavoko ya n'wina ko talaYIMA</p> <p>Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6.</p> <p>A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Komba vadyondzi makhadi ya swikombakombanana xa mathonsi ya tsevu kutani u xi yelanisa na nomboro leyi fanaka ya swo hlayela hi swona. - Tlanga mintlangu leyi kombisaka mfungho wa nomboro exikarhi ka yin'wana u wu yelanisa na nomboro leyi fanaka na swo hlayela hi swona. - Tlanga mintlangu leyi kombisaka vito ra nomboro yo karhi kutani u yi yelanisa na nomboro ya swo hlayela hi swona. - Tlanga mintlangu leyi yelanaka na nomboro ya swo hlayela hi swona na vito ra nomboro, mfungho wa nomboro na makhadi ya swifaniso. - Kandziyisa nomboro ya 6 hi khirayoni. | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Minchumu yo karhi kumbe swo hlayela hi swona</p> <p>Swikombakombana leswi nga na mfungho wa tinomboro na vito ra nomboro.xik.</p> | <p>Siku rin'we</p> |
| | |  | |


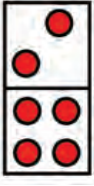
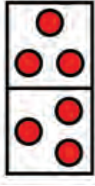
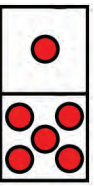
| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku xaxameta na ku pimanisa nhlangelo wa Minchumu hi ku tirhisa “ku tlula ka/ ehansi ka” na “ringana na” ku fika eka nomboro 6 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 6 Hlayela emahiweni na le ndzhaku ku fika eka 6 Tiyisa minongoti ya “swo tala” na “switsongo”.</p> <p>Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6. A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> <p>Hlawula ntsena mgingiriko yitsongo</p> |
| | <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Mudyondzisi a veka tihupisi timbirhi efulurini. A vitana vadyondzi va 3 va yima eka “xisaka” xin'we na va 2 eka “xisaka” lexin'wana. Hi xihl “xisaka” lexi nga na vadyondzi vo tala eka xona? <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> Vadyondzi va tshama emeteni va endla “swisaka” hi wulu. Mudyondzisi a nyika swiletelo xik. Vadyondzi va veke la 2 wa swo hlayela hi swona eka “xisaka” na 4 eka “xisaka” lexin'wana. Hi xihl “xisaka” lexi nga na swo hlayela swo tala? Hi xihl “xisaka” lexi nga na swo le hansi (leswitsongo)? “Hi xihl “xisaka” lexi nga na swo tala/swo tala ngopfu? Vuyelela u ri karhi u tirhisa tinomboro ku fikela eka 6. Mudyondzisi a tirhisa xipfalo xa xikhomelo xa ayisikhirimu. A phekisa tiphekisi ta swiambalo tinharhu ethlelo ra le henhla ra xipfalo na tinharhu eka tlhelo lerin'wana ra xinene ra xipfalo. Hi yihl nomboro ya tiphekisi yi tlulaka leyin'wana, kumbe ta ringana? <p>Vadyondzi va nga endla nghingiriko lowu va ri hi ntlawa, ntlawa wun'wana na wun'wana wu ri na xipfalo xa wona na tiphekisi ta swiambalo.</p> | <p>2 wa tihupisi</p>  <p>Swiphemu sw i2 swa wulu swa mudyondzi un'wana na un'wana Swo hlayela hi swona</p>   <p>Xipfalo xin'wana na xin'wana xa xikhomelo xa xikwere</p> <p>Tiphekisi ta swiambalo</p> | |

| <p>Vhiki 25</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhiokomhaka</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a kombisa makhadi yo hambana lama nga na nhlayo yo hambanahambana ya mathonsi na swifaniso eka wona.  <ul style="list-style-type: none"> - Vadyondzi a va pimanisi makhadi ya swifaniso na mathonsi va kombisa minongoti ya "ku tlula ka" "ehansi ka" na "swi ringana na". <p>Vadyondzi va dirowa swisaka swimbirhi ephepheni. Va leteriwa ku paka swo hlayela hi swona va tlhela va yelanisa swo hlayela hi swona exisakeni xin'wana na xin'wana hi khirayoni .</p> <p>Ndlandlamuxa minongoti yo fana na ku avelana loku ringanaka .xik.</p>  <p>Ntlawhata tinomboroxiheri leti tinhlamulo ta kona ti katsaka leswi salaka, xik.</p>  | <p>Tinotsi to hlamusela</p> <p>Switirhisiwa leswi bumabumeriweke</p> <p>Makhadi ya swifaniso na ya mathonsi</p> <p>Phepha ra A4 na tikhirayoni</p> <p>Swo hlayela hi swona</p> |
| <p>3.3</p> <p>Swivumbeko swa mathelo ma2</p> <p>Lemuka, kombisa na ku vula swivumbeko na swifaniso swa mathelo mambirhi etillasini</p> <ul style="list-style-type: none"> • Ku endla na ku hetisa xiphazamiso xa 5 xa wena n'wini <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Dirowa xifaniso eka phepha A4 paper. - Mudyondzisi a dirowa mintila endzhaku ka xifaniso. - Mudyondzisi a tsema xifaniso eka mintila leyi nyikiweke. - Mudyondzi a hetisa xiphazamiso xa yena. | <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> <p>Switirhisiwa leswi bumabumeriweke</p> <p>Khirayoni</p> <p>Phepha ra A4</p> <p>Swikero</p> <p>Mvhllopho kumbe bege yo tiendlela ya ku veka xiphazamiso (petsa phepha ra A4 u namarheta mathelo)</p>  |


| <p>Vhiki 25</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|-----|------|-------|--------|-----|------|-------|--------|--|------|-------|--|--|--|-------|--|--|--|-------|--|---|---|---|---|
| <p>Nhlokomhaka</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>5.1</p> <p>Ku hlingeleta na ku ava minchumu ku ya hi swihlawulekisi</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Nhlayo ya maletere eka mavito ya vadyondzi Ku oloxa xiphiqo xa tinhlayo: Andlala xiphiqo eka vadyondzi: "Xana mavito ya maletere ya 6 ma tiveka ngopfu ke? Xana hi nga swi kuma njhani? I vuxokoxoko bya njhani lebyi faneleke ku kumiwa?" <p>Ku hlingeleta vuxokoxoko bya mahungu</p> <ul style="list-style-type: none"> - Vadyondzi va hlavela nhlayo ya maletere eka mavito ya vona ku suka eka lebulu ya mavito leyi mudyondzisi a yi endleke. - Mudyondzisi a tiakusela ehenhla khadi ra nomboro leyi fambelanaka na nhlayo ya maletere eka mavito ya mudyondzi, a va vutisa a ku: "I mani a nga na 4 wa maletere eka vito ra yena", a tiakusile khadi ra mfungho wa nomboro 4. Vuyelela tinomboro hinkwato. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>5.2</p> <p>Ku hlamusela nhlengelo wa minchumu leyi hlawuriweke ku ya hi swihlawulekisi swo karhi</p> | <p>Dirowa girafu</p> <ul style="list-style-type: none"> - Mudyondzisi a dirowa tafula leri landzelaka a tiakusele tinomboro ehenhla: <table border="1"> <thead> <tr> <th>3 wa maletere</th> <th>4 wa maletere</th> <th>5 wa maletere</th> <th>6 wa maletere</th> </tr> </thead> <tbody> <tr> <td>Ann</td> <td>Fumi</td> <td>Mfumo</td> <td>Basani</td> </tr> <tr> <td>Sam</td> <td>Mark</td> <td>Aidon</td> <td>Kulani</td> </tr> <tr> <td></td> <td>Maja</td> <td>Sarah</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Caleb</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Naila</td> <td></td> </tr> <tr> <td>2</td> <td>3</td> <td>5</td> <td>2</td> </tr> </tbody> </table> | 3 wa maletere | 4 wa maletere | 5 wa maletere | 6 wa maletere | Ann | Fumi | Mfumo | Basani | Sam | Mark | Aidon | Kulani | | Maja | Sarah | | | | Caleb | | | | Naila | | 2 | 3 | 5 | 2 |
| 3 wa maletere | 4 wa maletere | 5 wa maletere | 6 wa maletere | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ann | Fumi | Mfumo | Basani | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sam | Mark | Aidon | Kulani | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Maja | Sarah | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Caleb | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Naila | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 3 | 5 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>5.3</p> <p>Ku kanela na ku vika hi nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi.</p> | <p>Ku hlava na ku hlamusela tafula</p> <ul style="list-style-type: none"> - Hi yih nomboro yo toloveleka ya maletere eka mavito lawa? - I mavito mangani ma nga na maletere yo hundza 5? - I mavito mangani ma nga na maletere ya le hanshi ka 5? | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Vhiki 26 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | | |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>• Ku tiyisa vutivi lebyi kumiweke byi katsaka tinomboro ta 1 ku fika ka 6</p> <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 6 Hlayela emahliweni na le ndzhaku ku fika eka 6</p> <p>Tiyisa minongoti ya “swo tala” na” switsongo”. Phokotelani mavoko ya n'wina ko talaYIMA</p> <p>Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6. A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tumbuluxa mimfungho ya tinomborho hi miri ya vona. - Tlakusela ehenhla nhlayo ya tintiho hi ku lerisiwa hi mudyondzisi. - Tumbuluxa mfungho wa tinomboro hi ku tirhisa swiphemu swa swintambyana kumbe vumba byo tlanga hi byona. - Khumba swivumbeko swa tinomboro ta khadibodo endzeni ka bege kutani u kombisa nomboro yin'wana na yin'wana. - Tsala Mimfungho ya tinomboro ta 1 ku fika eka 6 ehansi kumbe emoyeni sw. na sw. | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Tisete timbirhi ta xivumbeko xa tinomboro ta khadibodo eka bege leyi u nga kotaka ku khumba.</p> | | |


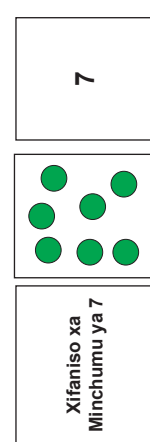
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 26 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Nhiokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela Minchumu leyi nga etillasini leyi ngenhisaka tinomboro ta 1 ku fika eka 6 - Hlayela swo hlavela hi swona ku fika eka 6. - Veketela tikhuyubu ta yunifikisi kumbe swo hlavela hi swona swo hlovohatiwa hi nxanxamelo etafuleni. - Vadyondzi va yelanisa tikhuyubu hi ku tirhisa muhlovo va tirhisa tikhuyubu ta tiyunifikisi kumbe swo hlavela hi swona. Xikombiso: | <p>Minchumu leyi nga etillasini</p> <p>Swo hlavela hi swona swo hlovohatiwa; kumbe tikhuyubu ta yunifikisi</p> | <p>Siku run'we</p> |
| <p>1.3</p> <p>Mimfungho ya tinomboro na mavito ya tinomboro</p> | <p>Ku tiva mimfungho ya tinomboro na ku lemuka mavito ya tinomboro leti ngenhisaka 1 ku fika ka 6</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 6 Hlayela emahlweni na le ndzhaku ku fika eka 6</p> <p>Tiyisa minongoti ya “swo tala” na” switsongo”.</p> <p>Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6. A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>A hi tlangeni ntlangu:</p> <ul style="list-style-type: none"> - Mudyondzisi a tsala vito ra nomboro eka tlhelo rin'we ra khadi kutani a tsala mfungho wa nomboro eka tlhelo lerin'wana ra khadi leriya a ngenhisaka tinomboro ta 1 ku fika eka 6 (endla tisetse yitsongo) - Vadyondzi va “hlava” vito ra nomboro na ku bvumba mfungho wa nomboro. - Va hundzuluxa khadi va tilulamisa hi voxe. | <p>Endla mintlawa ya vulehi byo hambanahambana. Vadyondzi va yelanisa ku ya hi nhlayo</p>  <p>Endzhaku ka khadi</p> <p>Emahlweni ka khadi</p> <p>tsevu</p> <p>6</p> <p>Makhadi lawa ya ngenhisaka tinomboro ta 1-6 na vito ra nomboro eka tlhelo rin'we na mimfungho ya tinomboro eka tlhelo lerin'wana. (endla tisetse tintsongo leswaku mudyondzi un'wana na un'wana a ta va na khadi ra yena)</p> | <p>Siku rin'we</p> |

| Vhiki 26 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | | |
| <p>1.7</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku ololoxa swiphiko swa tinhlayo ta marito (switori swa tinhlayo) eka mbangu na ku nyika tinhlamulo hi yexe leti nghenisaka nomboro 6 <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 6 Hlayela emahiweni na le ndzhaku ku fika eka 6 Tiyisa minongoti ya “swo tala” na” switsongo”. Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6. A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ol style="list-style-type: none"> Nyika mudyondzi un'wana na un'wana phepha ra A4 leri nga na ntila lowu dirowiweke thwixi eka rona na 6 wa swo hlayela hi swona. Xik;  Vadyondzi a va hoxi swo hlayela hi swona hi vukheta eka phepha va tihela va hlamusela ndlela leyi swi nga wa hi yona. Xik;  4 na 2 →6 (4 na 2 swi ku nyika 6)  3 na 3 →6 Vuyelela na tinomboro 1 na 5.  5 na 1 →6 Ku ololoxa xiphiko xa tinhlayo: Nyika tinhlamulo ta wena n'wini. 5. Endla tano na le ka swiphiko swo susa. | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> | |
| | | <p>6 wa swo hlayela hi swona swa mudyondzi un'wana na un'wana</p> <p>Phepha ra A4 leri nga na ntila exikarhi wo sukela ehenhla wu ya ehansi</p> | | |

| <p>Vhiki 26</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhiokomhaka</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>4.4 Vutato/vundzeni/vholumo</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Tivisa minongoti ya ku pima vundzeni hi ku pimanisa leswi swikhomelo swo hambanahambana swi nga tarisa xiswona. Xik; <ul style="list-style-type: none"> - “a ku na nchumu, tele” - “ku tiula ka/ehansi ka” - Swo tala, swi tsongo <p>Tivisa vundzeni eka vadyondzi hi ku va vutisa leswaku hi xihhi xikhomelo lexi nga na swo tala.</p> <p>Vadyondzi va tala ku endla mpimanyeto wa vulehi ku tiula wa vundzeni.</p> <p>Xikombiso: Iko va vutisiwa hi lexi nga na swo tala eka xikhomelo xo leha kumbe xikhomelo xo koma, vadyondzi vo tala va ta hlawula xo leha hambilo lexo koma ku ri xona lexi nga khoma swihalaki swo tala..</p> <p>Ku dyondza hi ku tirhisa swirho “Ku tiula ka/ehansi ka”</p> <ul style="list-style-type: none"> - Tirhisa xikhomelo xin'we tanihi mpimo lowu ringanisiweke xik: khapu ya yogati. Nyika vadyondzi swikhomelo swo hambanahambana. - Pfumelela vadyondzi va: - Kuma swikhomelo leswi khomaka “swo tala” na leswi nga na leswi nga “ehansi ka” mpimo lowu vekiweke, xik. khapu ya yogati. “Hi xihhi xikhomelo lexi nga tala? Hi xihhi xikhomelo lexi nga na leswitsongo.” <p>Nyika vadyondzi lepula na bakiti leri nga na misava leswaku va ta nusa misava va yi chela eka magi.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela leswaku i malepula mangani ya misava ya layekaka ku tata magi. Xikambisiso lexi nga endliwa xi ya xi tika hi ku nyika vadyondzi swikhomelo swo tiula xin'we xik; khapu, nghilazi ya pulasitiki na jeke leyitsongo. - Vuyelela ngingingiriko lowu u tirhisa tikhapu. | <p>Siku rin'we</p> <p>Hlawula ntsena mgingingiriko yitsongo.</p> <p>Mati (hi nkarhi wo tlanga hi mati)</p> <p>Misava (hi nkarhi wo tlanga hi misava egojini)</p> <p>Nkarhi wa kahle wa ku ndlandlamuxa nongoti wa vundzeni i nkarhi wo tlanga hi mati na misava.</p> <p>Swikhomelo swo hambanahambana hi swivumbeko na tisayizi</p> <p>Khapu ya yogati</p> <p>Bakiti leri nga na misava Magi Lepula</p> |


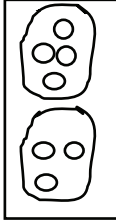
| <p>Vhiki 26</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
| <p>3.1 Xiyimo, ndzetelo na mathelo</p> | <p>Phegibodo ya mudyondzi un'wana na un'wana kumbe ya mintlawa leyi tirhaka swin'we. Makhadi lama nga dirowiwa tipatironi</p>  |
| <p>Tinotsi to hlamusela</p> <p>Hlamusela nchumu wun'we kumbe ku tlula wa mathelo manharhu lama nga na vuxaka</p> <ul style="list-style-type: none"> • Ndhawu ya minchumu yimbirhi kumbe ku tlula leyi nga na vuxaka na yin'wana <p>Ku tirhisa Minchumu yo khomeka ya mathelo ma3</p> <p>Ntirho wa pegibodo:</p> <p>Vadyondzi a va sunguli va tiva voko ra xinene endzhaku ku landzela voko ra ximatsi, kutani mavoko hinkwawo ma veka tiphegi eka bodo.</p> <ul style="list-style-type: none"> - Mudyondzisi a byela vadyondzi laha va faneleke va veka kona tiphegi. <p>Eka rixaxa ra le henhla Eka rixaxa ra le hansa Etlhelweni ra ximatsi Eka tihelo ra xinene Exikarhi</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla swivumbeko hi tiphegi leti nga hlovohatiwa eka bodi ya tiphegi. - Mudyondzisi a tumbuluxa patironi yo olova hi tiphegi eka phegibodo ya yena kutani vadyondzi va encenyeta tipatironi eka phegibodo ta vona. - Vadyondzi va encenyeta patironi leyi nga dirowiwa ekhadini. | <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> |

| Vhiki 27 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki) | | Nkumbetelo wa nkarhi |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku dyondzisa nhlamuselo ya nomboro ya 7 ro sungula <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 7. Hlayela emahliweni na le ndzhaku ku fika ka 7 Hlayela hi ku swi bela enhlokweni 1-10</p> <p>Tiyisa ku hlayela ka odinali:</p> <p>Mudyondzisi a paka 3 wa minchumu hi nxaxamelo. A komba nchumu wun'wana na wun'wana a ri karhi a hlayela, xo <i>sungula</i>, xa <i>vumbirhi</i>, xa <i>vunharhu</i>, xa <i>vumune</i></p> <p>Tiyisa minongoti ya "swo tala" na "leswitsongo"</p> <p>Phokotela mavoko ya wena ko tala...YIMA</p> <p>Phokotela mavoko ya wena katsongo. Mudyondzisi a phokotela mavoko ya yena ku ringana ka 7.</p> <p>A vutisa xivutiso: "U phokotele kangani ko tala/ kutsongo."</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Mudyondzisi a ava vadyondzi hi mintlawa. Nyika ntlawa wun'wana na wun'wana wa tibolo leti endliweke hi maphephahungu Vadyondzi a va hoxe tibolo ebasikitini. Va fanele va hlayela ehenhla loko va ri karhi va hoxa tibolo. Hlayela leswaku mudyondzisi u bile tafula kangani kutani mi n'wi encenyeta. Va hlayela swigingi loko vadyondzi va ri karhi va ehla eswitepisini, va tlulela endzeni ka hupisi va tlhela va huma. Kandziya ehansi hi nkondzo u fambisana na ku ba ka xigubu. | <p>Tinsimu ta tinomoro na swinsin'wana</p> <p>Tibolo ta maphephahungu Tibasikiti</p> | <p>Siku rin'we</p> |

| Vhiki 27 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki) | | Nkumbetelo wa nkarhi |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <p>Mudyondzisi a veka nhulu ya tibuloko to aka hi tona ehansi exikarhi ka fuluru. A nyika swiletelo swo fana na leswi:</p> <ul style="list-style-type: none"> - Teka tibuloko ta 3 eka nyandza leyi. - Teka tibuloko ta 4 eka nyandza kutani u tlerisa2, na sw. na sw. - Mudyondzisi a veka Minchumu yo karhi hi nyandza etafuleni. A byela vadyondzi ku kumbetela nhlayo ya Minchumu leyi nga etafuleni. Endzhaku ka swona va yi hlayela. - Va ndlandlamuxa ndzemuko wa nhlayiso wa tinomboro hi ku endla vadyondzi va paka nkombo wa swo hlayela hi swona kumbe Minchumu yin'wana na yin'wana hi tindlela to hambanahambana xik.  <p>Loko ku hlayeriwa, sayizi, xiyimo, kumbe muxaka wo karhi wa swilo a swi na nkucetelo eka nomboro ya Minchumu leyi hlayeriwaka,</p> <p>Xikombiso:</p> <ul style="list-style-type: none"> - Lulamisa 7 wa tikunupu, 7 wa tipupisi, 7 wa tihupisi, 7 wa vadyondzi na sw. na sw. - Swi hlayeli hi nxaxamelo wo hambana xik. Swi hlayeli swi hangalakile, swi ri kusuhi na kusuhi, hi ntla kumbe swi pakiwe ku ya henhla. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <p>A hi tlangeni ntlangu:</p> <ul style="list-style-type: none"> - Mudyondzisi a dirowa kumbe ku namarheta xifaniso ethlelo ka khadi a thela a dirowa mathonsi eka tlhelo lerin'wana lama ngenhisaka nomboro 1 ku fika eka 7 (endla tisetse to talanyana). - A nyika mudyondzi un'wana na un'wana khadi rin'we ra sete yin'wana na yin'wana. - Vadyondzi va hlayela nomboro ya swifaniso eka khadi - Va hundzuluxa khadi kutani va hlayela nomboro ya mathonsi. - Mudyondzisi a tlakusela khadi rin'we leri nga na mathonsi ehenhla. - Vadyondzi va yelanisa nomboro ya mathonsi eka makhadi ya vona na ra mudyondzisi. - Mudyondzisi a tlakusela ehenhla sete ya makhadi ya yena lama nga na mfungho ya nomboro. - Vadyondzi va yelanisa makhadi ya vona na mfungho wa nomboro ya mudyondzisi. - Mudyondzi loyi a nga na khadi leri nga rona a nga yima a hlayela nomboro ya swifaniso ehenhla. | <p>Tibuloko to aka kumbe ta Lego</p> | <p>Tisetse tintongo ta swifaniso, makhadi ya swikombakombana swa Mimfungho ya tinomboro na mathonsi lama ngenhisaka tinomboro 1-7</p>  |


| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|---|---|---|---|---|---|--|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi | | | | | | | | |
| Vhiki 27 1.13 Ku hlanganisa na ku susa | • Ololoxa swiphiko leswi boxiweke swo hlanganisa na ku susa leswi nghanisaka nomboro ya 7 hi nomo Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 7 Hlayela emahiwini na le ndzhaku ku fika eka 7 Tiyisa minongoti ya “swo tala” na” switsongo”. Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 7 A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.” | Tinsimu ta tinomboro na swinsin'wana | Siku rin'we | | | | | | | | |
| 1.6 Tithekiniki to ololoxa xiphiko xa tinhlayo | Ku dyondza hi ku tirhisa swirho - Tirhisa lerha ra tinomboro leri nga vekiwa ehansi ri (hingakanya) - Minkarhi hinkwayo sungula eka 0. Hlayela u ri karhi u fambafamba Mudyondzisi a vutisa: - Hi yih nomboro leyi kumekaka exikarhi ka 4 na 6? Vadyondzi va tolovela ku tirhisa lerha ra tinomboro. - Hi tih tinomboro leti kumekaka exikarhi ka 2 na 5? - Tirhisa ntokoto na miehleketo ya wena ku endla leswaku vadyondzi va tiva nhlamuselo ya 7 hi ku yi dyondza va tirhisa miri ya vona. Ku tirhisa minchumu yo khomeka ya mathelo ma3 Nyika mudyondzi un'wanana na un'wana 7 wa vuhlalu kumbe swo hlayela hi swona Vutisa swivutiso swo fana na: - Susa 1 ya xo hlayela hi xona u veka ethelo (eximatsini). Loko hi engetela xo hlayela hi xona eka lexi nga eximatsini,xana hi ta va na swingani? - 1 na 1→2 (Mudyondzisi a vula a ku: 1 na 1 swi endla 2) - Susa 4 wa swo hlayela hi swona u swi yisa eximatsini. Loko hi engetela swin'wana 2 eka swo hlayela leswi nga eximatsini, xana hi na swingani sweswi? 4 and 2→6 - Loko u ri na 5 wa swo hlayela hi swona kutani u susa 2, xana ku sala tingani? | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> </table> Vuhlalu kumbe swo hlayela hi swona | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | |

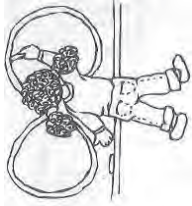
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>1.11 Mali</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku lemuka na ku kombisa mali ya maphepha ya Afrika Dzonga <ul style="list-style-type: none"> - Tirhisa mali ya phepha xik. R10, R20, R50, R100, R200 - Lemukisa vadyondzi hi swiharhi swo hambanahambana leswi nga eka timali ta maphepha. - Va tlanga hi ku xava na ku xaviselana ekhoneneni ya yindlu. | <p>Swikombiso swa ntiyiso swa R10, R20 na R50 ya maphepha (kumbe u tirhisa mali yo tlangisa)</p> | <p>Siku rin'we</p> |
| <p>1.9 Ku ntlawahata na ku avelana loku yisaka eka avanyiso</p> | <ul style="list-style-type: none"> Oloxa swiphiko swa tinhlayo ta marito (switori swa tinhlayo) hi nomo na ku nyika tinhlamulo eka mbangu leti ngenhisaka <ul style="list-style-type: none"> - Ku avelana ku ringana, - Ku ntlawahata tinomboroxiheri na - Tinhlamulo leti ku nga ta sala 7 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 7 Hlayela emahlweni na le ndzhaku ku fika eka 7</p> <p>Tiyisa minongoti ya “swo tala” na “switsongo”. Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6 A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> <p>Hlawula yin'we kumbe yimbirhi ya misingiriko yo tirhisa swirho: misingiriko yo hetiseka kumbe yo ka yi nga hetisekanga</p> |

| <p>Vhiki 27</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nhiokomhaka</p> <p>1.9</p> <p>Ku ntlawahata na ku avelana loku yisaka eka avanyiso</p> | <p>Ku dyondza hi ku tirhisa swirho Vumba swintlawantlawana swa vadyondzi: Swikombiso:</p> <ol style="list-style-type: none"> Vadyondzi a va endlimintlawana ya 2, 3, 4, 5 na 6. Hlayelani leswaku i vangani entlaweni. Dirowa xivumbeko lexikulu emisaveni. Vadyondzi va endla ntlawa wa, xik., 4 wa vadyondzi endzeni ka xivumbeko Hi nkarhi wa swakudya mudyondzisi a nga vula a ku: mi nga famba hi mintlawana ya mune mi ya hlamba mavoko, ematshan'wini yo vula leswaku "mune wa vadyondzi a va fambi va ya hlamba mavoko ya vona." Hlawula 7 wa vadyondzi u tirhisa swinsin'wana swo hlayela. Vadyondzi lava va 7 a va tiendli tinyenyana na murhi wo ka wu nga ri wa ntiyiso, va tirhisa swo khandziya hi swona switulu na matafula. Mudyondzisi a rhumela swinyenyana swa 2 eka murhi " wo encenyeta " (2 wa vadyondzi va khandziya eka swo khandziya hi swona). Xin'wana xinyenyana xi famba xi ya emurhini. I swinyenyana swingani swi nga emurhini? Ku sale swingani ehansi?" Tihela u vumbamintlawana ya vadyondzi u tirhisa tinomboro 1 ku fika eka 7 <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3 Swikombiso:</p> <ol style="list-style-type: none"> Mudyondzisi a nyika vadyondzi swo hlayela hi swona. Tshika vadyondzi va endla sete ya swo hlayela hi swona swa 4. Endla sete yin'wana ya 3. "Xana u na swo hlayela swingani eka sete ya swo hlayela hi swona?" Vadyondzi a va diriwi swirhendzevutana swimbirhi ephepheni hi ku lerisiwa hi mudyondzisi, vadyondzi va paka swo hlayela hi swona eka tsete timbirhi ku va na swo tala eka xin'we. Vutisa swivutiso swo fana na leswi: "Hi yihi sete leyi nga na swo tala/ leswitsongo?" | <p>Endla switirhisiwa leswi nga ta ku pfuna ku tirhisa maqhingana yo hambana.</p> <p>Switirhisiwa swo khandziya kumbe matafula na switulu</p>  <p>Swo hlayela hi swona</p> <p>Xiphemu xa phepha na khirayoni swa mudyondzi un'wana na un'wana.</p> <p>Swo hlayela hi swona</p>  | |

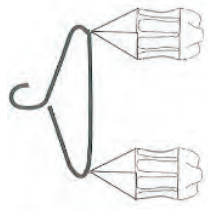
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Vhiki 27 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Nhlokomhaka</p> <p>4.4 Vutato/vundzeni/vholumo</p> | <p>Tinotsi to hlamusela</p> <p>Pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito hi mfanelo ku hlamusela: a) Vundzeni b) A ku na nchumu, tele, ehansi ka, ku tula ka, swo tala, switsongo. • Ku tiyisisa vutivi lebyi kumiweke hi vhiki ra vu 26 lebyi nghenisaka vundzeni Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 7 Hlayela emahlweni na le ndzhaku ku fika eka 7 Hlayela hi ku swi bela enhlokweni ku suka eka 1-10 Tiyisisa minongoti ya “swo tala” na” switsongo”. Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6 A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Lulamisa swikhomelo swimbirhi ku fika ka swinharhu swo hambanahambana swo ka swi nga ri na nchumu ku ya hi matalelo ya swona. Hi marito man'wana, hi xihhi xikhomelo lexi nga na swo tala/switsongo? Vadyondzi va nga kumbetela hi ku chela tikhapu ta mati eka swikhomelo swo ka swi nga ri na nchumu kutani va hlayela leswaku hi xihhi xi nga teka tikhapu to tala. Engetela nomboro ya swikhomelo swo ka swi nga ri na nchumu ku endlela leswaku swi ya swi tika. - Vadyondzi va nga teka mpimo wa khapu lexi fanaka ku pima na ku komba nomboro ya tikhapu ta rhayisi kumbe tinyawa kumbe misava leti nga lavekaka ku tata swikhomelo leswi tirhisiweke laha henhla. - Xaxameta muxaka lowu fanaka wa swikhomelo, Xik. mabakiti egojini ra misava) ku suka eka leritsongo ku ya eka lerikulu. - Nyika vadyondzi swikhomelo swo hambanahambana(tisayizi to hambanahambana na swivumbeko) na ku vutisa swivutiso swo tanihi: <ul style="list-style-type: none"> o “Hi ku vona ka wena, xana hi xihhi xikhomelo lexi nga na mati/misava yo tala? o Loko u chela mati ku suka eka xikhomelo xo karhi ku ya eka xin'wana, bvumba loko u ta xi tata. - Vadyondzi a va tikumeli leswaku ku humelele yini hi xikhomelo lexi nga tatiwa hafu hi mati loko leswitsongo swi tatiwe hafu loko ku engeterwa Minchumu leyitsongo xik. Engetela swiribyaribana leswi nga basa, tibuloko ta lego, tibuloko ta mapulasikiti xik. Vadyondzi va tianga ntlangu wo bvumbha xikhomelo lexi nga na swo tala kutani va kamba mbuyelo ku vona loyi a winaka (Mudyondzisi a kombisa leswaku minchumu lexi papamaka a yi na nkucetelo eka vuhenhla bya mati.) | <p>Mati (hi nkarhi wo tianga hi mati) Misava (hi nkarhi wo tianga hi misava egojini) Nkarhi wa kahle wa ku ndlandlamuxa nongoti wa vundzeni i nkarhi wo tianga hi mati na misava. Tinsimu ta tinomboro na swinsin'wana Swikhomelo swo hambanahambana ku ya hi swivumbeko na tisayizi</p> | <p>2 wa masiku Kumbe u hlawula 2 wa misingiriko eka yinharhu</p> |
| | | <p>Khapu Rhayisi Tinyawa Mabakete ya tisayizi to hambanahambana ku suka emisaveni Swikhomelo swo hambanahambana ku ya hi swivumbeko na tisayizi Mati Misava Minchumu yo basa yo fana na swiribyana, tibuloko ta Lego na ta pulasitiki</p> | |



| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiiki)</p> | | | <p>Nkumbetelo wa nkarhi</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>1.1 Ku hlayela minchumu</p> | <p>Tiyisisa vutivi lebyi dyondziweke lebyi ngenhisaka nomoro ya 7 Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 7 Hlayela emahlweni na le ndzhaku ku fika eka 7 Tiyisisa minongoti ya “swo tala” na” switsongo”. Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 7 A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Ku vitaniwa vadyondzi vambirhi va ya emahlweni. Vadyondzi lavan'wana va va hlayela. Vadyondzi lavambirhi va tlakusa mfungho wa nomoro lowu fambelanaka. - Vitana mudyondzi un'we nakambe. Vadyondzi lavan'wana va va hlayela. Mudyondzi un'we a tlakusela mfungho wa nomoro ya 3 ehenhla lowu yelanaka na nomoro ya vona. - Yana mahlweni ku fikela loko vadyondzi va fika eka 7 <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Veka 7 wa mathini hi nxaxamelo xik. | <p>Tinsimu ta tinomoro na swinsin'wana</p> <p>Makhadi ya mimfungho ya tinomoro leti ngenhisaka tinomoro ta 1 ku fika eka 7</p> <p>7 wa mathini lama namarhetiweke Mimfungho ya tinomoro eka wona. Mbewu kumbe maribye</p> <p>Tikhirayoni na magi</p> | <p>Siku rin'we</p> |
| | <p>1 2 3 4 5 6 7</p> <p>Vadyondzi a va veke mbewu/xitina eka thini ro sungula, timbewu/switina swimbirhi eka thini ra vumbirhi, timbewu tinharhu eka thini ra vunharhu, va ya emahlweni ku fika loko timbewu/switina swi fika eka 7 wa mathini, tanihi loko swi kombisiwile ehandle ka thini.</p> <p>Teka tikhirayoni leti tataka xandla (ti exikarhi ka 10 na 15) u ti hoxa eka magi. Vutisa vadyondzi va bvumba nomoro ya tikhirayoni leti nga endzeni ka magi. Va kanerisana hi nhlamulo ya vona.</p> <p>Kombisa leswaku ku hlayeriwa njhani hi ku humesa hi yin'we u ti longoloxa ehansi.</p> | | |

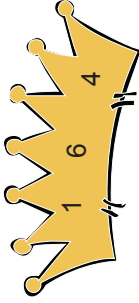

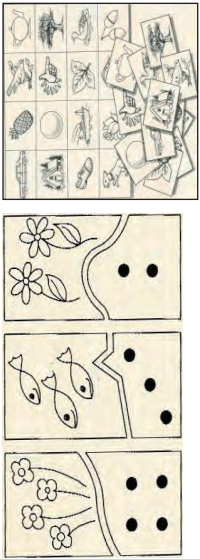
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Tinotsi to hlamusela</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Vhiki 28</p> | <p>Siku rin'we</p> |  | <p>1.3</p> <p>Mimfungo ya tinomboro na mavito ya tinomboro</p> <ul style="list-style-type: none"> • Lemuka mimfungo ya tinomboro na mavito ya tinomboro leti katsaka nomboro ya 7 Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2 <p>Tlangani ntlangu:</p> <ul style="list-style-type: none"> - Vadyondzi va tshama hi xirhendzevutana. Veka khadi ra nomboro ri languta ehansi emahlweni ka mudyondzi un'wana na un'wana. (Ku nga va nomboro ya mfungho, vito ra nomboro, khadi ra mathonsi kumbe khadi ra xifaniso kumbe khadi leti nga na tinomboro ta 1 ku fika eka 7) - Dyondzisa vadyondzi ku hundzisela eka vadyondzi van'wana hi ku ma hundzuluxa ma languta ehansi efulurini/khapete. - Vadyondzi va yimbelela: "Nomboro ya xihundla, Swi nga va njhani? "Languta hi ku hatlisa" - Vadyondzisi va languta hi ku hatlisa eka makhadi ya vona. - Mudyondzisi a tlakusela ehenhla khadi ra yena ra nomboro. - Vadyondzi lava nga na nomboro leyi fambelanaka na ya mudyondzisi' a tlakusela khadi ra yena ehenhla a ku: "Ndzi ta tlakusela khadi ra mina ehenhla leswaku un'wana na un'wana a ta ri vona." |
| <p>3.2</p> <p>Minchumu yo khomeka ya mathelo ma3</p> | <p>Siku rin'we na ku ya emahlweni</p> | <p>Tibuloko to ndlandlamuxa vuswikoti ta "Swivumbeko swa Logi" Tibuloko "to tlhonthiha miehieketo" Xitirhisiwa xin'wana na xin'wana xo aka hi xona Phegibodo</p> <p>Swirhendzevutana swo hambanahambana leswikulu na leswitsongo, tynhlanharhu na swikwere ephepheni. Swikero, dilu</p> | <p>Aka minchumu ya mathelo ma3 u tirhisa switirhisiwa leswi khomekaka</p> <ul style="list-style-type: none"> • Kopa xivumbeko xo huma eka khadi ra xifaniso kumbe ra nkhaviso Ku tirhisa minchumu yo khomeka ya mathelo ma3 - Mudyondzi a endla xivumbeko lexi fanaka na xifaniso. - Kopa xivumbeko eka xifaniso u tirhisa bodo ya tiphegi. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Ndlandlamuxa nghingiriko lowu wu ya eka dyondzo ya Vutshila bya swo Voniwa</p> <ul style="list-style-type: none"> - Nyika mudyondzi un'wana na un'wana phepha leti nga na swirhendzevutana leswikulu na leswitsongo, yinhlanharhu na swikwere. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tsema swivumbeko va endla xivumbeko xa mathelo ma2 ephepheni va namatheta. - Sasekisa xifaniso hi swo dirowiwa. |

| <p>Vhiki 28</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etilasiini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>3.4</p> <p>Ndzinganiso</p> <p>Tinotsi to hlamusela</p> <p>• Ndlandlamuxa vuswikoti byo hingakanya ntila wa le xikarhi</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla nhluto wa vutivi lebyi kumiweke khale, khumba swirho swa miri hi ku lerisiwa. Tlanga hi ku olova: "Simon u ri: Khumba....." - Nyika swin'wana swileriso laha vadyondzi va faneleke ku tula ntila wa le xikarhi tanihi ku: "Khumba tsolo ra wena hi nhompfu. Khumba katla ra wena hi ndleve, Khumba tsolo ra wena ra ximatsi hi nkondzo wa wena wa xinene. Khumba xikokola xa wena hi voko rin'we na sw. na sw. | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Ntlangu: "Simon u ri, khumba.....swa wena."</p> |
| <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Dirowa swirhendzevutana leswikulu eka xitsalelo - Dirowa mintila yo oloka eka xitsalelo. Tiyisisa leswaku mudyondzi u hingakanya ntila wa yena wa le xikarhi. - Eka xitsalelo, dirowa ntila wu suka eka thonsi rin'we ku ya eka lerin'wana leri hambaneke. - Dirowa nhungu hi ku hingakanya eka xitsalelo. Tirhisa mpfuka wukulunyana ku endlela leswaku mudyondzi a hingakanya ntila wa le xikarhi. <p>(Mudyondzi a tirhisa ximatsi na xinene)</p> | <p>Vadyondzi va dirowa eka xitsalelo</p>  |
| <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <p>Pfanganisa na dyondzo ya Vutshila bya swo Voniwa</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Penda maphepha mambirhi ya maphephahungu ku suka eka ximatsi na xinene. | <p>Maphepha mambirhi ya maphephahungu ya mudyondzi un'wana na un'wana</p> <p>Pende na burachi</p> |

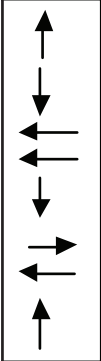

| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematihi hi vhiiki)</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <p>Vhiki 28</p> <p>Nhlokomhaka</p> <p>4.3</p> <p>Ntiko</p> | <p>Pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito hi mfanelo ku hlamusela:</p> <ul style="list-style-type: none"> - Ntiko Xik.: vevuka, tika, vevuka ngopfu, tika ngopfu • Tivisa nongoti wa ntiko <p>Ku pima ntiko swi vula leswaku chumu wo karhi wu tika ku fika kwihi.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Vadyondzi a va bvumbi ntiko wa minchumu yo karhi :</p> <ul style="list-style-type: none"> - Khoma minchumu leyi landzelaka: wun'we eka voko rin'wana na rin'wana leswaku va ta kota ku kumbetela ku hi wihl lowu tikaka kumbe lowu vevukaka xik. <ul style="list-style-type: none"> o Xitina na buloko. o Xitlangiso xa movha xa pulasitiki na xa nsimbi. o Thini ra kofi na phepha ra xihambukelo. o Bolo leyikulu ya rhabara na bolo ya khirikete. <p>Vadyondzi va tala ku bvumba nchumu lowu nga wukulu ku va ku ri wona wu nga na ntiko wa le henhla loko va bvumba ntiko wa minchumu yimbirhi.</p> <ul style="list-style-type: none"> - Tivisa xikalo xa ndzinganiso xik. Kala Minchumu leyi ku kuma loko vadyondzi va hlamule swona. - Vutisa swivutiso swo fana na : “Hi wihl nchumu lowu tikaka/vevukaka? Vadyondzi a va kumi minchumu yo karhi etillasini leyi va ehleketaka leswaku ya tika/vevuka ku fana na minchumu leyi va nga yi kala. - Endla leswaku xikalo xi va kona hambli hi nkarhi wo tianga leswaku vadyondzi va ta ya emahlweni na nghingiriko lowu wa ku kala. - Vekani xikalo “ekhoneni ya yindlu” leswaku vadyondzi va vona leswaku i tibuloko ta Lego tingani leti nga na ntiko wo fana na, xik; apula. | <p>Minchumu ya mathelo ma3 ya sayizi na ntiko wo hambanahambana xik.; Tibuloko ta Lego, swo tiangisa, tibuloko to aka hi tona, mathini, swikhomelo na sw. na sw.</p> <p>Xikalo xa ndzinganiso</p> <p>U nga titumbuluxela xikalo xa wena :</p> <ul style="list-style-type: none"> - Kuma hangara ya pulasitiki - Swikhomelo swimbirhi leswitsongo swa majarini kumbe mabodlhela ya pulasitiki ya Coke na xintambyana. - Boxa mimbhovo yimbirhi emathelo lamambirhi ya swikhomelo swa majarini/mabodlhela ya coke. - Khungelela swikhomelo/mabodlhela emakumu ka mathelo mambirhi ya hangara – u ta va na xikalo. - Hayeka hangara eka xipikiri kumbe xo huka kutani vadyondzi va sungula ku kala. - Komba vadyondzi leswaku hangara yi fanela ku ringanana nkarhi hinkwawo loko va lava ku kala. | <p>Siku rin'we</p> <p>Hlawula ntsena mgingiriko yimbirhi kumbe yinharhu</p> |



| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | | | <p>Nkumbetelo wa nkarhi</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>1.1 Ku hlayela minchumu</p> | <p>Tiyisa vutivi lebyi dyondziweke lebyi nghenisaka tinomboro ta 1-7 Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 7 Hlayela emahlweni na le ndzhaku ku fika eka 7 Hlayela hi ku swi bela enhlokweni ku suka eka 1-10 Tiyisa minongoti ya “swo tala” na” switsongo”. Phokotelani mavoko ya n'wina ko tala YIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 6 A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3 Pfumelela vadyondzi va: - Hlengelela swirhabiyana. Swi hlayiseni etililasini mi ta thlela mi swi tirhisa. - Tirhisa swirhabiyana ku tsala mfungho wa nomboro 5</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |
| <p>Pfumelela vadyondzi va: • Tirhisa sete ya makhadi ya swikombakombana swa wena leswi nga na tinomboro ta 1-7. • Dirowa nomboro ya minchumu hi ku leteriwa hi mudyondzisi, xik.; dirowa 2 wa swirhendzevutana. • Hlayela u suka eka nomboro leyi nyikiweke, xik.; mudyondzisi a vula nharhu. Mudyondzi u ta hlayela ku ya emahlweni... mune, ntihanu, tsevu. • Hi nkarhi wa ku dya mudyondzisi a nga vutisa a ku: I vadyondzi vangani va nga na masangweji ya xinkwa xa buraweni? I vangani va nga na masangweji ya xo basa? Xana i vadyondzi vo tala lava va nga na masangweji ya xinkwa xo basa? Hi swi swi nga tala/ switsongo? • Mudyondzisi a veka minchumu yo karhi hi nhulu etafuleni. Vadyondzi va kumbetela leswaku i minchumu yingani yi nga eka nhulu. Endzhaku va yi hlayela.</p> | <p>Swirhabiyana</p>  | <p>Makhadi ya swikombakombana swa swifaniso na mathonsi leswi nghenisaka tinomboro ta 1-7. Makhadi ya swikombakombana ya mimfungho ya tinomboro na mavito leswi nghenisaka tinomboro ta 1-7, xik.;</p>  <p>Phepha na khirayoni</p> | |

| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematihi hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>3 5 2</p> <p>Makhadi lamakulu ya mimfungo ya tinomboro</p> <p>Swidlodlo leswi ringaneke swa tinomboro leswi endluweke hi makhadibodo swi tsariwe tinomboro eka swona.</p>  |
| <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> | <p>Phepha na khirayoni</p> <p>Sete ya makhadi yo tlula yin'we leyi nghanisaka tinomboro 1-7 xik.</p>  |
| <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Lemuka mimfungo ya tinomboro na mavito ya tinomboro leti nghanisaka 1 ku fika ka 7 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 7 Hlayela emahiweni na le ndzhaku ku fika eka 7 Tiyisa minongoti ya "swo tala" na "switsongo". Phokotelani mavoko ya n'wina ko talaYIMA Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 7 A vutisa xivutiso: "U phokotele kangani ko tala/ kutsongo."</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Vekela khadi ra mfungo lowukulu wa nomboro etililasini kumbe laha ku tlangeriwaka kona ehandle. - Thyana ndhawu u ku: "i ndhawu ya tinomboro" vadyondzi va vuriwa "Tihosi /tinkosikazi ta tinomboro". Veka xidlodlo enhlokweni ya mudyondzi un'wana na un'wana lexi endluweke hi khadibodo, ku tsariwe tinomboro eka xona. - Nyika vadyondzi swileriso swo fana na leswi: <ul style="list-style-type: none"> o Hinkwavo lava nga ambala swo tshwuka a va tluhi ka 2. o Vana hinkwavo lava nga na misasi yo leha a va tlatluli hi swikunwana ku fika ka 6. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2 Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Dirowa nhlayo yo karhi ya mathonsi hi ku leteriwa hi mudyondzisi xik: mathonsi ma2. Vuyelela tinomboro ku suka eka 1 ku fika eka 7 - Va na na tsete to tala ta makhadi ya mimfungo ya tinomboro na mavito ya tinomboro. Nyika mudyondzi un'wana na un'wana khadi. Mudyondzisi a tlakusela khadi ra yena ehenla kutani vadyondzi lava nga na yo yelana na ya mudyondzisi va tlakusa ya vona. - Xiringanyeto: pfumelela vadyondzi va tiendlela makhadi ya vona. - Tlanga ntlangu wa ku yelanisa tinomboro na makhadi ya swikombakomana ya mavito ya tinomboro.  |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiririko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etilasinini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiririko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 29</p> <p>1.7</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku ololoxa swiphiko leswi boxiweke swo hlanganisa no susa hi nomo hi tihlamulo to fika eka 7 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 7</p> <p>Hlayela emahiwani na le ndzhaku ku fika eka 7</p> <p>Tiyisa minongoti ya “swo tala” na” switsongo”.</p> <p>Phokotelani mavoko ya n'wina ko talaYIMA</p> <p>Phokotelani mavoko ya n'wina ka tsongo. Mudyondzisi a phokotela ku ringana ka 7</p> <p>A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Tlhelela eka vhiki ra 24 na 27 ku kuma miehleketo. - Tirhisa miehleketo na vutivi bya wena ku endla leswaku vadyondzi va tiva nhlamuselo ya nomboro 7 hi ku tirhisa swirho swa miri wa vona. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Tlhelela eka vhiki 24 na 7 - Tirhisa miehleketo na vutivi bya wena ku endla leswaku vadyondzi va tiva nhlamuselo ya nomboro 7 va tirhisa minchumu ya mathelo ya 3 hi ndlela leyi khonwisaka. | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Swo hlayela hi swona</p> | <p>Siku rin'we</p> |

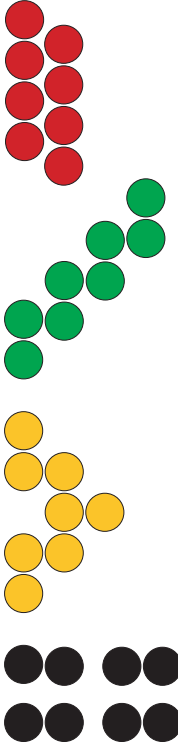

| <p>Vhiki 29</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Xitsalelo</p> <p>Khadi ra xikombakombana ra nseve wun'we. Hundzuluxa khadi ra xikombakombana ri komba mathelo yo hambanahambana</p> <p>Chati ya miseve (phositara ya miseve yi komba mathelo yo hambanahambana)</p>  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>3.1</p> <p>Xiyimo, ndzetelo na mathelo</p> | <p>Tinotsi to hlamusela</p> <p>Landzelela swiletelo swa mathleno swo famba kumbe swo ya eka ndhawu yo karhi (mathelo)</p> <ul style="list-style-type: none"> • Ndlandlamuxa ntwisiso wa mathelo hi ku tirhisa swikombakombana swa miseve na chati ya miseve <p>Ku dyondza hi ku tirhisa swirho</p> <p>Tshika vadyondzi va famba va ya eka mathelo ya hambanahambana:</p> <ul style="list-style-type: none"> - Enyangweni, - Efasitereni, - Ekhoneri yo veka tibuku na sw. na sw. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Dirowa nomboro ya nhungu yi hingakanya exitsalelweni. Tiyisisa leswaku vadyondzi va hingakanya ntila wa le xikarhi, xik;  | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Pfumelela vadyondzi hi un'we un'we kumbe hi swintlawana:</p> <ul style="list-style-type: none"> - Languta khadi ra xikombakombana na ku fambisa voko ra yena eka tlhelo leri kombiweke hi nseve na ku vulavula loko a ri karhi a endla leswi, xik.; loko mudyondzi a humesa voko ra yena u fanele a vula a ku: "xinene". - Ku ya ehenhla na le hansi mudyondzi a nga ha tirhisa voko. - Kombisa mathelo eka chati ya miseve. - Namarheta nkandziyiso wa minkondzo eka tlhelo ro ya enyangweni. <p>Theminofoji:</p> <p>Henhla/hansi; ndzeni/handle; mahlwani/ndzhaku ; mahlwani ka /endzhaku; henhla ka/hansi ka;</p> <p>Tlhelo leri/tlhelo lerin'wana; kusuhi na ; ximatsi na xinene</p> |

| <p>Vhiki 29</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>4.3 Ntiko</p> <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Tiyisa vutivi lebyi dyondziweke eka vhiki ra 28 lebyi nghenisaka ntiko wo vevuka ngopfu/ tika ngopfu <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Pimanisa ntiko wa swikhomelo swo fana swa kwalomu ka nharhu ku fika ka ntlanu (xik. 400g wa mathini yo ka ma nga ri na nchumu) swi ri na ntiko wo hambana wa misava. - Veketela ku ya hi ntiko wa wona ku suka eka xo vevuka ngopfu ku fika eka xo tika ngopfu. Endzhaku ka sweswo xikalo xa ndzinganiso xi nga tirhisa ku kamba loko vadyondzi va endle swona. - <i>Xiringanyeto:</i> <ul style="list-style-type: none"> o Kambisisa ku kuma leswaku i swipikiri swingani leswi nga ringanisiwaka ku kuma ntiko lowu fanaka. Minchumu yin'wana na yin'wana yi nga ha tirhisiwa. <p>Mudyondzisi a veka swilo swa ntiko wo hambanahambana eka swikhomelo leswi swi pfariweke xik. Swikhomelo swimbirhi swa chizi; xin'we xi va na buloko lexin'wana xi va na bolo ya thenisi.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Vadyondzi va ringeta ku hambana ka ntiko wa minchumu yimbirhi kutani va bvumba lowu vevukaka na lowu tikaka ngopfu. - Tirhisa xikalo xa ndzinganiso ku kuma nhlamulo leyi nga yona. - Tlhonthlha vadyondzi va kuma minchumu leyi nga na ntiko lowu fanaka etiliasini. <p>Goji ra misava na ndhawu yo tlangela eka yona ya mati i tindhawu ta nkoka leti nga tirhisiwaka ku tiyisa minongoti yo fana na vevuka/ tika/ tika ngopfu hi ku tirhisa swikhomelo swa tisayizi to hambanahambana tanihi xikalo xa ndzinganiso, misava yo oma no tsakama.</p> <p>XIYA LESWI: Tshama na vadyondzi loko mi vulavula, kanerisana na ku hlamuselana.</p> | <p>Siku rin'we</p> <p>Mathini yo pfumala nchumu ya sayizi leyi fanaka</p> <p>Xikalo xa ndzinganiso</p> <p>Minchumu yo fana na tibuloko ta Lego</p> <p>Minchumu leyi nga na ntiko wo hambanahambana tanihi swipikiri</p> <p>Swikhomelo swimbirhi swa chizi; xin'we xi ri na buloko loko lexin'wana xi ri na bolo ya thenisi.</p> <p>Goji ra sava</p> <p>Bavhu ra mati ro tlangela, xikhomelo</p> |

| Vhiki 30 | Tirhisa vhiki 40 ku tirhana na ntwisiso wa ku tsana na/kumbe swirhalanganyi swo dyondza leswi kumiweke. | Swilaveko swa makambelelo |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vundzeni | Nhlakomhaka | <p>1.1</p> <p>Ku hlayela minchumu</p> <p>Pimanyeta na ku hlayela hi ku swi bela enhlokweni ku fika eka 7. (tinsimu ta tinomoro na swinsin'wana ti katsiwele ku ndlandlamuxa nongoti wa nomoro.)</p> <p>Hlayela endzhaku na le mahiwani (1-7)</p> <p>Ku tiva leswaku i ku phokotela ku ngani ku nga tala/ehansi,ko tala ngopfu/loku tsongo</p> <p>Lemuka na ku kombisa tinomoro eka mbangu lowu nga toloveleka xik. vukhale,rhijisitara</p> <p>Kombisa swifaniso swa tinomoro na makhadi ya mathonsi ku suka eka 7</p> <p>Tiva mimfungo ya tinomoro 5, 6, 7</p> <p>Ku lemuka mavito ya tinomoro ntlanu, tsevu na nkombo</p> <p>Hambanisa exikarhi ka swo tala, ehansi, ringana, swo tala ngopfu na switsongo ku fika eka 7</p> <p>Ku lemuka muhlovo na swiharhi swo hambanahambana eka mali ya maphepha ya Afrika Dzonga</p> <p>Tirhisa switirhiswa swo khomeka</p> <p>Hlamusela miehleketo ya wena hi marito na hi ku dirowa kumbe hi minchumu leyi khomekaka</p> <p>Oloxa swiphigo swa ku hlanganisa na ku susa ku fika eka 7 hi nomo</p> |
| Tinomoro, Tioparexini na vuxaka | <p>1.6</p> <p>Tithekiniki to oloxa swiphigo swa tinhlayo</p> <p>1.7</p> <p>na 1.13</p> <p>Ku hlanganisa na ku susa</p> | <p>Ku kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta wena n'wini hi ku tirhisa swifaniso</p> <p>Ku tiva xiyimo xa minchumu mimbirhi kumbe ku tlula leyi nga na vuxaka</p> <p>-emahlweni ka, ndzhaku ka, henhla ka, henhla, ehansi,kusuhi na, xikarhi, ximatsi na xinene.</p> <p>Ku endla swileriso swa phegibodo</p> <p>Ku tiva matlhelo eka chati ya miseve.</p> <p>Ku aka hi xikombiso lexi nyikiweke</p> <p>Kopa muako ku suka eka nkhaviso kumbe khadi ra xifaniso</p> <p>Kota ku aka xiphazamiso xa kwalomu ka 18 wa swiphemu</p> <p>Ku lemuka, kombisa na ku vula mavito ya swikwere</p> <p>Ku twisisa ku nga cinci ka swivumbeko leswi dyondziweke ku fika sweswi. (Nhlayiso wa swivumbeko)</p> |
| Tipatironi, Tifankixini na Alijebura | <p>2.1</p> <p>Tipatironi ta xiJometiri</p> | <p>Pimanyeta na ku pima vulehi/ vunavi bya mpfhuka wa minchumu yo hambanahambana.</p> |
| Ndhawu na Xivumbeko | <p>3.1</p> <p>Xiyimo, ndzetelo na matlhelo</p> | <p>Ku twisisa minongoti ya “vevuka, tika, vevuka ngopfu, tika ngopfu “</p> |
| Mpimo | <p>3.2</p> <p>Minchumu ya matlhelo ma3</p> <p>3.3</p> <p>Swivumbeko swa matlhelo ma2</p> <p>4.2</p> <p>Vunavi bya mpfhuka</p> <p>4.3</p> <p>Ntiko</p> <p>4.4</p> <p>Vundzeni/ Vutatato/vholumo</p> | <p>Ku twisisa minongoti ya “ a ku na nchumu, tele, ku tlula ka, ehansi ka”</p> |

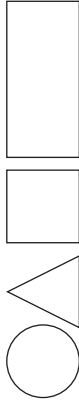
| | | |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <p>Matirhiselo ya vuxokoxoko bya Tinhlayo</p> | <p>5.1 Ku hlengeleta na ku ava minchumu ku ya hi swihlawulekisi swo karhi</p> <p>5.2 Ku hlamusela nhlengelo wa minchumu leyi hlawuriweke ku ya hi swihlawulekisi swo karhi</p> <p>5.3 Ku kanela na ku vika hi nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi</p> | <p>Ku kota ku hlengeleta, hlawula, dirowa, hlaya na ku hlamusela (xopaxopa) minchumu ku ya hi swihlawulekisi swo karhi.</p> |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|

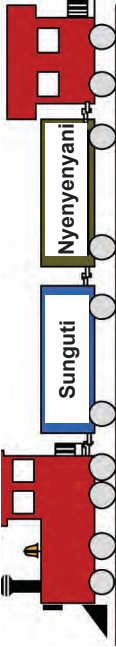
| KOTARA YA 4 MATEMATIKI GIREDI YA V | | | | | | | | | | | | |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|
| Vhiki 31 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etiliasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | | | | | | | | | |
| Nhlokomhaka | Tinotsi to hlamusela | | | | | | | | | | | |
| 1.1 | <p>Tivisa nhlamuselo ya nomboro 8</p> <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 8. Hlayela ku ya emahliweni na le ndzhaku ku fikeka 8. Hlayela hi ku bela enhlokweni 1-10.</p> <p>Tivisa ku hlayela hi va mbirhi u tirhisa swinsin'wana swo hlayela</p> <p>Tiyisa ku hlayela ka odinali: Vadyondzisi va paka mune wa minchumu hi nongonoko. Va komba nchumu un'wana na un'wana va ri karhi va hlayela xo sungula, xa vumbirhi, xa vunharhu, xa vumune.</p> <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka nhungu. A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> | Siku rin'we | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p><i>Swinyanya swimbirhi, ehenhla ka murhi, haha Mphephu, haha Tsakani.</i></p> <p><i>Mbirhi, mune, tsevu, nhungu,</i></p> | | | | | | | | | |
| | <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela magoza ya nhungu va ri karhi va fambafamba etiliasini - Komba tintiho ta nhungu. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tirhisa lerha ra tinomboro leri nga hingakanyiwa ehansi - Tiyisa leswaku vadyondzi va sungula eka 0 (ziro). - Lemuka mimfungho ya tinomboro loko va ri karhi va famba eka ntila wa nomboro. - Va famba ehenhla ka dingo va ri karhi va hlayela hi ncino | | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> </table> <p>Sete ya makhadi ya swikombakombana swa mimfungho ya tinomboro 1 ku fika ka 8.</p> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |

| <p>Vhiki 31</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
| <p>1.3</p> <p>Mimfungo ya tinomboro na mavito ya tinomboro</p> | <p>Lemuka mimfungo ya tinomboro na mavito ya tinomboro</p> <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela minchumu leyi nga etillasini leyi ngenisaka tinomboro 1-8. - Hlayela swo hlayela hi swona ku fika nomboro ya 8. - Ndlamuxa ndzemuko wa nhlayiso wa nomboro hi ku va vadyondzi va paka nhungu wa swo hlayela hi swona kumbe nchumu wun'wana na wun'wana hi tindlela to hambana, xik.  <p>Loko ku hlayeriwa, sayizi, xiyimo, kumbe muxaka wo karhi wa swilo a swi na nkucetelo eka nomboro ya Minchumu leyi hlayeriwaka,</p> <p>Xikombiso:</p> <ul style="list-style-type: none"> - Lulamisa 8 wa tikunupu, 8 wa tipenisele, 8 wa tihupisi, 8 wa vadyondzi na sw. na sw. - Swi hlayeli hi nxaxamelo wo hambana xik. Swi hlayeli swi hangalakile, swi ri kusuhi na kusuhi, hi ntla kumbe swi pakiwe ku ya henhla. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tlanga mintlangu hi ku yelanisa nomboro ya swo hlayela hi swona na vito ra nomboro, mfungo wa nomboro, makhadi ya mathonsi na swifaniso leswi nga na nomboro ya 8. - Kandziyisa nomboro ya 8 hi khirayoni. | <p>Sete ya minchumu ya 8 etillasini</p> <p>minchumu yo karhi kumbe swo hlayela hi swona.</p> <p>8 wa swo hlayela hi swona kumbe 8 wa minchumu</p> <p>Khadi ya xikombakambana leyi nga na mimfungo ya tinomboro na mavito ya tinomboro, mathonsi na swifaniso, xik.,</p>  <p>Tikhirayoni</p> <p>Swo hlayela hi swona</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 31</p> <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Tirhisa nomboro ya 8 eka mbangu lowu nga toloveleka <p>Swanomo Hlayela minchumu ya masiku hinkwawo ku fika eka 8. Hlayela ku ya emahlweni na le ndzhaku ku fikeka 8.</p> <p>Tiyisa ku hlayela hi va mbirhi u tirhisa swinsin'wana swa tinomboro</p> <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 8.</p> <p>A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Endla nomboro ya 8 hi tintiho ta vona. - Vumba nomboro hi swiphemu swa ximhandzana kumbe vumba byo tiangisa. - Tsala mimfungo ya tinomboro eka thireyi leyi nga na misava. - Veka makhadi ya mimfungo leyikulu ya tinomboro hi ku landzelelana efulurini ku fika eka 8. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Mudyondzisi a nyika mudyondzi un'wana na un'wana 8 wa tinyawa na khadi ra xikombakombana xa 8 wa mathonsi eka xona.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Paka nyawa eka thonsi rin'wana na rin'wana leri nga eka khadi ya xikombakombana. - Hlayela tinyawa. - Yelanisa khadi ra xikombakombana ra mathonsi na ra vito ra nomboro na swo hlayela hi swona. | <p>Tinsimu leti nga na tinomboro na swinsin'wana swa ncino</p> <p>Xintamyana / wulu kumbe vumba.</p> <p>Thireyi leyi nga na misava</p> <p>Sete ya makhadi ya mimfungo ya tinomboro letikulu</p> <p>8 wa tinyawa ta mudyondzi un'wana na un'wana.</p> <p>Khadi ra xikombakombana ra mathonsi, ra mavito ya tinomboro na swo hlayela hi swona</p> <div style="display: flex; justify-content: center; align-items: center; gap: 10px;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">8</div> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">Nhungu</div> </div> | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 31 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | | |
| 3.3 Swivumbeko swa mathelo ma2 | <p>Lemuka, kombisa na ku vula swivumbeko swa mathelo ma2 etillasini na le ka swifaniso</p> <ul style="list-style-type: none"> - yinhlamune • Ku dyondzisa ro sungula yinhlamune <p>Ku dyondza hi ku tirhisa swirho Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Vumba swivumbeko hi miri ya vona xik., 6 wa vadyondzi va vumba yinhlamune hi miri ya vona. - Vumba yinhlamune va tirhisa tintiho ta vona. - Endla yinhlamune hi swiphemu swa wulu kumbe vumba. - Famba ehandle ka xivumbeko xa yinhlamune. Loko va ri karhi va famba vadyondzi va vula va ku: "ndzi famba kusuhi na yinhlamune – tihelo rin'we ro leha, rin'we ro koma, tihelo rin'wana ro leha, rin'wana ro koma." - Khumba swivumbeko. Tirhisa sayizi leyikulu ya swivumbeko kumbe veka swivumbeko swo hambanahambana endzeni ka bege leyi u nga kotaka ku khumba hi yona. Va na na sete ya makhadi yo yelana ya swivumbeko. Mudyondzi a khumba xivumbeko endzeni ka bege a tlhela a yelanisa na makhadi. - Dirowa xivumbeko xa yinhlamune emoyeni, ehansi/ efulurini (choko) eku heteleleni ephepheni. | <p>Siku rin'we</p> <p>Ntlangu wa makhadi lowu endlaka u tekela enhlokweni swivumbeko.</p> <p>Wulu kumbe vumba.</p> <p>"Bege leyi u nga kotaka ku khumba hi yona" yi ri na swivumbeko swa jometri.</p> <p>Sete ya makhadi yo fananisa lama nga dirowiwa swivumbeko eka wona.</p> <p>Phepha ra A4 na khirayoni.</p> | |



| Vhiki 31 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | | |
| | <p>Ava minchumu ya matihelo ma3 na ya swivumbeko swa matihelo ma2 ku ya hi sayizi, muhlovo na swivumbeko</p> <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Vadyondzi a va languti minchumu ya yinhlamune etlilasini.</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <ul style="list-style-type: none"> - Lemuka swivumbeko swa yinhlamune eka swifaniso. - Lemuka swivumbeko hinkwaswo leswi dyondziweke ku fikela sweswi hi swifaniso. <p>Ava minchumu ya matihelo ma3 na swivumbeko swa matihelo ma2 ku ya hi sayizi, muhlovo na swivumbeko</p> <ul style="list-style-type: none"> - Ava minchumu leyi hlengetiweke ku ya hi sayizi, muhlovo na swivumbeko | <p>Minchumu ya yinhlamune etlilasini</p> <p>Swivumbeko hinkwaswo leswi dyondziweke ku fikela sweswi:</p> <p>Swifaniso swo hambanahambana leswi nga na swivumbeko eka swona</p> |  | |



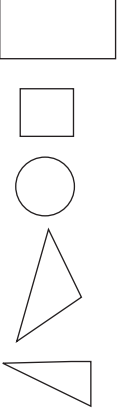
| <p>Vhiki 31</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-------------|-------------|------------|-------------|-----------|--------|-------|--------|--------|--------|-------|--|--------|-------|-------|-----|-----|------|--|--------|--------|-----|--------|-------|--|--|--------|---|---|---|---|---|--|
| <p>Nhikomhaka</p> <p>5.1</p> <p>Ku hlengeleta na ku ava minchumu ku ya hi swihlawulekisi</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Nkumbetelo wa nkarhi</p> <p>Chaty ya masiku ya ku velekiwa</p>  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>5.2</p> <p>Ku hlamusela nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi</p> | <p>Tinotsi to hlamusela</p> <p>Tiyisisa minongoti ya vuxokoxoko hi ku hlengeleta u tlhela u hlawula Minchumu eka mbangu ku ya hi swihlawulekisi leswi boxiweke, xikombiso, masiku yak u velekiwa ya vadyondzi</p> <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <p>Hlengelela na ku ava vuxokoxoko bya tinhlayo</p> <ul style="list-style-type: none"> - Tirhisa chaty ya masiku ya ku velekiwa, kuma leswaku i masiku ya vamani ya ku velekiwa hi nhweti yihi. - Vadyondzi va pfuneta ku endla girafu ku komba leswaki i nhweti yihi leyi nga na masiku ya ku velekiwa yo tala. - Mudyondzisi a dirowa girafu ya tinhweti ta lembe ta 12. - Hi ku pfuneta hi mudyondzisi, vadyondzi va funga girafu ku ya hi nhweti ya ku velekiwa ya mudyondzi un'wana na un'wana. <table border="1"> <thead> <tr> <th>Sunguti</th> <th>Nyenenyani</th> <th>Nyenvankulu</th> <th>Dzivamsoko</th> <th>Mudyaxithi</th> <th>Khotavixika</th> <th>Mawuwvani</th> </tr> </thead> <tbody> <tr> <td>Teboho</td> <td>David</td> <td>Nelson</td> <td>Kabelo</td> <td>Selina</td> <td>Thabo</td> <td></td> </tr> <tr> <td>Puleng</td> <td>Bongi</td> <td>Jacob</td> <td>Pat</td> <td>Liz</td> <td>Jane</td> <td></td> </tr> <tr> <td>Palesa</td> <td>Claire</td> <td>Tim</td> <td>Thandi</td> <td>Titus</td> <td></td> <td></td> </tr> <tr> <td>Mapule</td> <td>3</td> <td>0</td> <td>3</td> <td>3</td> <td>2</td> <td></td> </tr> </tbody> </table> <p>Khadi leri nga na mavito ya vadyondzi</p> <p>Dirowa 12 wa tikhologo ephopheni. Kombisa hi khadi ra vito tinhweti leti vadyondzi va tiangelaka masiku yo velekiwa ha wona. Tirhisa ± 3 wa maphepha ya A2 lama dirowiweke 12 wa tikhologo.</p> | Sunguti | Nyenenyani | Nyenvankulu | Dzivamsoko | Mudyaxithi | Khotavixika | Mawuwvani | Teboho | David | Nelson | Kabelo | Selina | Thabo | | Puleng | Bongi | Jacob | Pat | Liz | Jane | | Palesa | Claire | Tim | Thandi | Titus | | | Mapule | 3 | 0 | 3 | 3 | 2 | |
| Sunguti | Nyenenyani | Nyenvankulu | Dzivamsoko | Mudyaxithi | Khotavixika | Mawuwvani | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Teboho | David | Nelson | Kabelo | Selina | Thabo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Puleng | Bongi | Jacob | Pat | Liz | Jane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Palesa | Claire | Tim | Thandi | Titus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mapule | 3 | 0 | 3 | 3 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>5.3</p> <p>Ku kana na ku vika hi nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi.</p> | <p>Vadyondzi va pimanisa nomboro ya masiku yo velekiwa eka tinhweti to hambanahambana.</p> <p>Mudyondzisi a vutisa swivutiso swo fana na leswi:</p> <ul style="list-style-type: none"> - "I nhweti yihi yi nga na masiku yo tala ya ku velekiwa?" - "I nhweti yihi yi nga na masiku ya ku velekiwa matsongo?" - "Hi tihhi tinhweti leti nga na masiku ya ku velekiwa yo fana?" - "Hi tihhi tinhweti leti ku nga na vafana vo tala lava tiangelaka masiku ya vona ya ku velekiwa?" - Hi tihhi tinhweti leti ku nga na vanhwanyana vo tala lava tiangelaka masiku ya vona ya ku velekiwa? <p>Vadyondzi va kana swiboho leswi landzelaka:</p> <ul style="list-style-type: none"> - Sunguti yi na masiku ya ku velekiwa yo tala. Mune wa vadyondzi va tiangelaka masiku ya vona ya ku velekiwa hi Sunguti. - Ku hava lava tiangelaka masiku ya ku velekiwa hi Nyenyankulu. Ko va na nhweti yi 1 ntsena laha ku nga riki na vadyondzi lava tiangelaka masiku ya ku velekiwa. - Tin'wana tinhweti ti na tinomboro leti fanaka ta masiku ya ku velekiwa. Hi tihhi tin'hweti ta kona? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------|
| Vhiki 32 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> • Tiyisisa vutivi lebyi dyondziweke eka vhiki ra 31 lebyi nghanisaka nomboro ya 8 <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 8. Hlayela ku ya emahliweni na le ndzhaku ku fikeka 8. Hlayela hi ku bela enhlokweni 1-10.</p> <p>Tiyisisa ku hlayela hi va mbirhi u tihisa swinsin'wana swa tinomboro</p> <p>Tiyisisa minongonoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 8.</p> <p>A vutisa xivutiso: “U phokotele kangani ko tala/ kutsongo.”</p> <p>Ku dyondza hi ku tihisa swirho</p> <p>A hi tlangeni ntlangu:</p> <ul style="list-style-type: none"> - Mudyondzisi a chaya xichayachayana xik. xigubu - Vadyondzi va rhendzelekarhendzeleka. - Loko xigubu xi yima, mudyondzisi u ta vula nomboro ya le xikarhi ka 1 na 8 Kutani vadyondzi va tilulamisa hi mintlawa leyitsongo xik. mudyondzisi a vula 8 kutani vadyondzi va tilulamisa hi mintlawa ya 8. - Kombisa 8 wa tintiho eka mavoko ya wena mambirhi. - Vumba tsete na vadyondzi. Dirowa swirhendzevutana leswikulu emisaveni. Vadyondzi a va vumbimintlawa ya 8 endzeni ka swirhendzevutana.mintlawa leyi ya vadyondzi ya 8 yi nga endla mintirho yo karhi swin'we exikarhi ka siku, xik; tlanga ekhoneni, va ya eka ndzhawu ya swa vutshila na sw. na sw. | <p>Tinsimu ta tinomboro na swinsin'wana</p> <p>Xigubu</p> | <p>Siku rin'we</p> |


| Vhiki 32 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | | |
| <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tirhisa swo hlayela hi swona ku lemuka nomboro leyi taka ku nga si fika 8 na leyi taka endzhaku ka 5. Hi yih nomboro leyi nga exikarhi ka 6 na 8 - Hlayela Minchumu hi tswimbirhimbirhi: <ul style="list-style-type: none"> o Phere yatintangu o Phere ya masokisi o Phere ya mahlo o Phere ya masuruvele o Phere ya tindleve o Phere ya milenge <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Loko mudyondzisi a teka rejisitara a vutisa a ku: "Xana hi wih mudyondzi loyi a nga na nomboro ya yindlu kumbe adirese.....? Mudyondzi u fanele a angula hi ku kombisa leswaku "u kona". - Swi endle nakambe hi siku leri landzelaka u vutisa nomboro ya thelefoni kumbe tinomboro ta selulafoni. | <p>Swo hlayela hi swona</p> <p>Phere ya tintangu, masokisi, masuruvele</p> <p>Makhadi lama nga na tinomboro ta thelefoni na tiadrese ta vadyondzi.</p> | | |

| <p>Vhiki 32</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.7</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <p>Ololoxa swiphiko swa marito leswi nghanisaka nomboro ya 8 hi nomo (switori swa tinhlayo)</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a pfuna vadyondzi ku endla ntlawa wa 6 na wun'wana ntlawa wa vadyondzi va 2. - Hlanganisa mintlawa leyimbirhi ku endla ntlawa wun'we. - Vutisa vadyondzi leswaku i vadyondzi vangani lava nga eka ntlawa lowu hlanganisiweke? 6 na 2→8.(Mudyondzisi a vula a ku: 6 na 2 swi hi nyika 8) - Endla ntlawa wa vadyondzi va 8. Susa vadyondzi va3 eka ntlawa loutsongo. I vadyondzi vangani lava nga sala eka ntlawa lowukulu? 8 hi susa 3→5. - Hlawula vadyondzi vambirhi u tirhisa xinsin'wana xo hlayela. - Veka 4 wa swirhabyana emavokweni ya mudyondzi un'we na 4 wa swirhabyana emavokweni ya mudyondzi lo un'wana. I swirhabyana swingani sweswi? 4 na 4 →8. <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <p>Nyika mudyondzi un'wana na un'wana 8 wa swirhabyana.</p> <ul style="list-style-type: none"> - Tshidi u na 6 wa swirhabyana, munghana wa yena u na 2 wa swirhabyana. I swirhabyana swingani leswi va nga na swona? 6 na 2→8. - Tintswalo u na 8 wa swirhabyana. U lahle swirhabyana swimbirhi. Xana Tintswalo u sale na swirhabyana swingani? 8 hi susa 2→6. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a veka swifaniso swa 2 eka bodo ya fulanele. A engetela swifaniso swin'wana swa 5. Xana ku na swifaniso swingani sweswi? 2 na 5→7. - Veka 8 wa swivumbeko eka bodo ya fulanele. Susa 5. Xana ku sale swingani? 8 hi susa 5□3. <p>Switirhisiwa leswi bumabumeriweke</p> <p>Mintlawa ya vadyondzi</p> <p>Swirhabyana</p> <p>Swinsin'wana swo hlayela:</p> <p>Swirhabyana</p> <p>Xinsin'wana:</p> <p><i>A hi tshameni ka kahle hi tshinelela van'wana, nomboro n'we, nomboro2, nomboro3, nomboro4, nomboro5</i></p> <p><i>A hi tshameni ka kahle hi tshinelela van'wana nomboro6 nomboro7, nomboro8, nomboro9, nomboro10</i></p> <p>Swirhabyana</p> <p>Swifaniso/ swivumbeko swa bodo ya fulanele</p> |

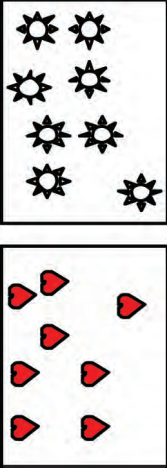
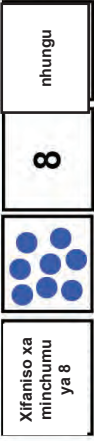
| Vhiki 32 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | Nkumbetelo wa nkarhi |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi | |
| <p>2.1</p> <p>Tipatironi ta xiJometiri</p> | <p>Ku kopa na ku ndlandlamuxa patironi ya swo twiwa</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Vadyondzi va fambisana na ku ba ka vuyimbeleri hi miri wa vona hinkwawo, xik.;</p> <ul style="list-style-type: none"> - Famba, famba, tlula, tlula.... - Tlula hi nenge wun'we, Tlula hi nenge wun'we, Tlula hi milenge yimbirhi, Tlula hi milenge mimbirhi..... <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Pfanganisa na Vutshila byo Endla (vuyimbeleri) eka Dyondzo ya Swikili swa ta Vutomi</p> <p>Vadyondzi va fambisana na ku ba ka vuyimbeleri hi mavoko ya vona ntsena va thlela va khumba na mindzhumbi ya vona, xik.,</p> <ul style="list-style-type: none"> - Phokotela, phokotela, bana mavoko, bana mavoko (phokotela mavoko na ku ba mavoko emindzhumbini). - Mudyondzisi a endla makhadi yo kombisa ncino kutani vadyondzi va encenyeta hi ku wu phokotela (tirhisa mavoko ku phokotela na mikondzo ku gima ehansi) xik., <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">  TT TT TT TT TT </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">  TT TT TT TT TT </div> </div> <ul style="list-style-type: none"> - Phokotela, phokotela, gima ehansi, gima ehansi... - Phokotela, huwelela, phokotela, huwelela..... | <p>Xo tlanga CD lexi nga na vuyimbeleri</p> <p>Swingecengece swa le mirini</p> | <p>Siku rin'we</p> | |

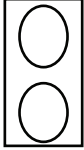
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 32</p> <p>3.3 Swivumbeko swa mathelo ma2</p> | <p>Lemuka, kombisa na ku hlamusela swivumbeko swa mathelo ma2 etillasini</p> <ul style="list-style-type: none"> Ku tiyisa vutivi bya yinhlamune <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> Endla/ vumba swivumbeko hi miri ya vona, xik., 4 wa vadyondzi va vumba yinhlamune. Vumba yinhlamune va tirhisa tintiho ya vona. Vumba yinhlamune va tirhisa 6 wa swimhandzana swa menci.  <ul style="list-style-type: none"> Endla/ vumba yinhlamune hi swiphemu swa wulu kumbe vumba. Famba ehandle ka xivumbeko xa yinhlamune. Khumba swivumbeko. Veka swivumbeko swo hambanahambana endzeni ka bege leyi u nga kotaka ku khumba hi yona. Va na na sete ya makhadi lama yelanaka leyi dirowiweke swivumbeko eka yona. Mudyondzi a khumba xivumbeko endzeni ka bege a tlhela a yelanisa ni makhadi. Dirowa xivumbeko xa yinhlamune emoyeni, ehansi/ efulurini eku heteleleni ephepheni. | <p>Ntangu wa makhadi lowu ndlandlamuxaka ndzemuko wa swivumbeko.</p> <p>Menci</p> <p>Wulu kumbe vumba.</p> <p>“Bege leyi u nga kotaka ku khumba hi yona” yi ri na swivumbeko swa jometiri</p>  <p>Katsa swivumbeko leswikulu na leswitsongo na tiyinhlantarhu to hambanahambana eka bege yo khumba hi yona xik,</p>  <p>Sete ya makhadi yo fananisa lama nga na swivumbeko eka wona.</p> <p>Phepha ra A4 na khirayoni.</p> | <p>Siku rin'we</p> |

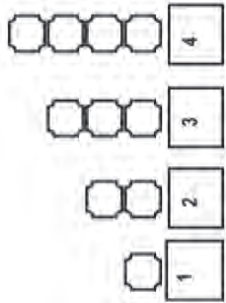
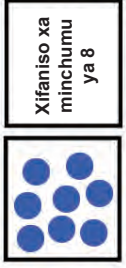
| Vhiki 32 Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nhiokomhaka | Tinotsi to hlamusela |
| <p>3.3</p> <p>Swivumbeko swa mathelo ma2</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Pfumelela vadyondzi va lava minchumu ya yinhlamune etlilasini. <p>Tlangani ntlangu: "I yini leswi kayivelaka?"</p> <ul style="list-style-type: none"> - Veka nomboro ya swivumbeko swa mathelo ya 2 (ku nga vi swivumbeko swo tula ka 5) ephepheni exikarhi ka khapete, xik, swivumbeko leswi humaka eka ntlangu wa Logi. - Kanela xivumbeko xin'wana na xin'wana na vadyondzi. - Nyika vadyondzi nkarhi wo bela enhlokweni tinxaka ta swivumbeko leti nga ephepheni. - Vadyondzi va pfala mahlo ya vona. - Mudyondzisi a susa xivumbeko xa yin'we. - Vadyondzi va fanele va pfula mahlo ya vona va kombisa xivumbeko lexi kayivelaka. - Vuyelela maendlelo lama. - Khutaza ku antswisa ka swivumbeko swa jometiri hi ku nyika makhadi yamintlangu yo hambanahambana ku fana na "i yini xi nga exikwerheni" kumbemintlangu yin'wana na yin'wana leyi nga kona. |
| <p>3.3</p> <p>Swivumbeko swa mathelo ma2</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Minchumu ya yinhlamune etlilasini.</p> <p>Swivumbeko swo hambanahambana, xik., swivumbeko swa Logi</p> |

| <p>Vhiki 32</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>3.1</p> <p>Xiyimo, ndzetelo na mathelo</p> <p>Hlamusela xiyimo xa minchumu yimbirhi kumbe ku tlula ya mathelo ma3 lama nga na vuxaka</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Yima exikarhi ka minchumu yimbirhi kumbe vadyondzi - Yima kusuhi na nhwana wa rhoko ya wasi. - Yima kusuhi na mufana wa masandhasi ya buraweni. - Famba exikarhi ka mabokisi - Kasa u rhendzeleka hi tafula. - Kasa ehansi ka xitulu. - Veka xitulu emahlweni ka wena. - Veka xitulu endzhaku ka wena. - Yima ehenhla ka xitulu xa wena. - Tshama efulurini - Veka xitulu ehenhla ka wena. - Veka xitulu kusuhi na wena. - Veka xitulu ethelo ra wena wena ra ximatsi/xinene | <p>Switirhisiwa leswi bumabumeriweke</p> <p>2 wa switulu</p> |
| <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Vadyondzi a va hetisi xiphazamiso lexi nga na swifaniso swa swiharhi na vanhu. - Hulela vuhlatu hi ku ya hi swiletelo swa mudyondzisi xik. hulela vuhlatu byo tshwuka. Hulela bya rihlaza vuhlatu na sw. na sw. - Hulela vuhlatu ku ya hi ndzandzelelano wa xifaniso lexi nyikiweke. <p>Tirhani hi mintlawa leyitsongo. Mudyondzisi a nyika mudyondzi un'wana na un'wana pegibodo na tiphegi to tata voko.</p> <p>Nyika swiletelo leswi landzelaka:</p> <ul style="list-style-type: none"> - Vekela tiphegi timbirhi ekhoneni ya le ehenhla evokweni ra ximatsi. - Vekela phegi yin'we ya rihlaza exineneni xa phegi yo tshwuka. - Vekela phegi ya wasi ehansi ka phegi ya rihlaza na sw. na sw. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Dirowa vanhu kumbe swiharhi swo pfumala mavoko kumbe milenge kutani u byela vadyondzi ku hetisa. | <p>Swiphazamisamiehleketo</p> <p>Vuhlatu byo hulela</p> <p>Phegibodo</p>  |
| <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> | <p>Maphepha yo tirhela eka wona lama nga na swo dirowiwa.</p> |


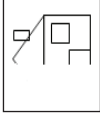
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Tiyisisa vutivi lebyi kumiweke eka mavhiki ya 31 na 32 lebyi katsaka tinomboro ta 1-8 <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 8. Hlayela emahlweni na le ndzhaku ku fika ka 8. Hlayela hi ku swi bela enhlokweni ku suka eka 1-10 Tiyisisa ku hlayela hi va mbirhi u tirhisa swinsin'wana swa tinomboro</p> <p>Tiyisisa ku hlayela ka odinali: Vadyondzisi va paka minchumu ya 8 hi nongonoko. Komba nchumu wun'wana na wun'wana toko u ri karhi u hlayela <i>xosungula</i>, xa <i>vumbirhi</i>, xa <i>vunharhu</i>, xa <i>vumune</i>, xa <i>vuntlharu</i>.</p> <p>Tiyisisa minongoti ya “swo tala” na “ switsongo” Phokotela mavoko ko tala YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela ku ringana ka 8. A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> |
| <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Vadyondzi va tirhisa miri ya vona ku endla mimfungho ya tinomboro. Mudyondzisi a endla tinomboro hi switirhisiwa leswi vadyondzi va nga kotaka ku swi khumba xik. vumba/xintambyana Yimbelela swinsin'wana swa tinomboro/tinsimu | <p>Mimfungho leyikulu ya tinomboro leti endliweke hi phepha ro hutha.</p> |
| <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> Tirhisa minchumu yo fana na tibuloko na swiharhi swa tipulasitiki. Swi hlayeli, swi hlawuli ku ya hi swihlawulekisi swa swona, veka nhungua hi nxaxamelo. <p>Ava vadyondzi hi mintlawa. Veka nhulu ya swiharhi swa tipulasitiki exikarhi ka ntlawa wun'wana na wun'wana. Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> Tirha hi tiphere emintlaweni ya vona va bvumba nomboro ya swiharhi leswi nga eka nhulu. Phere yin'wana na yin'wana yi teka khadi ra nomboro yi yelanisa na leyi va yi bvumbeko. Hlayela nomboro xidzi ya swiharhi leswi. Phere yin'wana na yin'wana yi nga nyikiwa nyeleti yo vekela emombyeni tanihi ndlela yo va ndhuhuzela. Endla hi ku vuyelela va veka nomboro yo hambana ya swiharhi exikarhi ka mete. | <p>Swihari swa tipulasitiki na tibuloko</p> <p>9 wa swiharhi swa tipulasitiki</p> <p>Sete yintsongo ya makhadi ya mimfungho ya tinomboro.</p> <p>Swinyeletana swo va ndhuhuzela</p> |

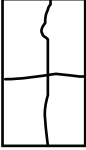
| <p>Vhiki 33</p> <p>Nhlokomhaka</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiririko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiririko ya Matematiki hi vhiki)</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.3</p> <p>Mimfungo ya tinomboro na mavito ya tinomboro</p> | <p>Lemuka na ku kombisa mimfungo ya tinomboro na mavito ya tinomboro lama nghenisaaka tinomboro ta 1-8</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Yelanisa mfungo wa nomboro na xifaniso lexi faneleke. - Vadyondzi va fanele va twisisa leswaku ntlawa wa minchumu yo karhi yi nga va na nhlayo leyi fanaka. | <p></p> | <p>Makhadi ya swikombakombana ya swifaniso na mimfungo ya tinomboro</p> <p>Swo hlayela hi swona</p> <p></p> <p>Sete ya makhadi ya tinomboro lama nghenisaaka tinomboro ta 1-8</p> | <ul style="list-style-type: none"> - Vadyondzi va fanele ku kombetela eka nchumu wolowo loko va hlayela. - Vadyondzi va fanele va kota ku yelanisa nchumu wo karhi xik. mbilu yin'we na dyambu rin'we - Yelanisa makhadi ya swikombakombana swa,swifaniso, ya mathonsi, mimfungo ya tinomboro mavito ya tinomboro na nomboro leyi fanaka ya swo hlayela hi swona. |

| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Vhiki 33</p> | <p>Nkumbetelo wa nkarhi</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>Nhlokomhaka</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku xaxameta na ku pimanisa nhlengelo wa minchumu hi ku tirhisa “ku tlula ka/ ehansi ka” na “ringana na” ku fika eka nomboro 8 <p>Swanomo: Hlayela minchumu ya masiku hikwawo ku fika eka 8. Hlayela u ya emahlweni na le ndzhaku ku fika ka 8.</p> <p>Tiyisisa ku hlayela hi va mbirhi u tirhisa swinsin'wana swa tinomboro</p> <p>Tiyisisa minongoti ya “swo tala” na “ switsongo”</p> <p>Phokotela mavoko ko tala YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela ku ringana ka 8.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Mudyondzisi a veka 8 wa tibuloko etafuleni. Handle ko ti hlayela vadyondzi va fanele ku pimanayeta (kumbetela) nomboro ya tibuloko. Mudyondzisi a vutisa a ku: <ul style="list-style-type: none"> o “Xana ku nga va ku ri na tibuloko to tila ka 3?” o Vadyondzi va kamba nhlamulo ya vona hi ku hlayela tibuloko. o “Xana a mi bvumbele kusuhi?” <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> Endla mintlawa ya mune ya vadyondzi. Nyika ntlawa wun'wana na wun'wana 8 wa swo hlayela hi swona; na pheji leyi nga dirowiwa swirhendzevutana swimbirhi. Thyana swirhendzevutana u ku i “swisaka” Hi ku leteriwa hi mudyondzisi vadyondzi va hoxa swo hlayela hi swona eka xisaka xin'wana na xin'wana va tlhela va vula leswaku ku na swingani? Vadyondzi va pimanisa swisaka na ku kumisisa leswaku hi xihl xisaka lexi nga na swo hlayela swo ” tlula ka...,”ehansi ka”, swo fana” kumbe swo ringana na nhlayo ya swo hlayela hi swona“ | <p>Siku rin'we</p> <p>Tinsimu ta tinomboro na swinsin'wana swa ncino</p> <p>Tibuloko</p> <p>Swo hlayela hi swona</p> <p>Pheji ya A4 ley nga dirowiwa ” swisaka”</p>  |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Ava vadyondzi hi mintlawa</p> <ul style="list-style-type: none"> - Nyika ntlawa wun'wana na wun'wana tikhuuyubu ta yunifikisi to tala na sete ya makhadi ya mimfungo leyi nga na tinomboro ta 1 ku fika ka 8 - Mintlawa a yi aki swihondzo yi tlhela yi lebula xihondzo xin'wana na xin'wana hi tinomboro ta tikhiyubu leti tirhisiweke, xik.,  | <p>Tikhuyubu ta yunifikisi</p> <p>Makhadi ya mimfungo ya tinomboro 1-8</p> <p>Swikombakombana swa mathonsi na swifaniso.</p>  | |
| <p>1.13</p> <p>Ku hlanganisa na ku susa</p> | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a va komba makhadi mambirhi lama nga na nhlayo ya mathonsi yo hambanahambana na swifaniso. - Vadyondzi a va pimanise makhadi ya swifaniso na mathonsi ku komba “ku tlula ka”, “ehansi ka” na “ringana na”. | | |
| | <ul style="list-style-type: none"> • Ku ololoxa swiphiso leswi nyikiweke swo hlanganisa no susa hi nomo ku fika eka nomboro 8 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 8.</p> <p>Hlayela ku ya emahlweni na le ndzhaku ku fika eka 8.</p> <p>Tiyisa ku hlayela hi va mbirhi u tirhisa swinsin'wana swa swa tinomboro</p> <p>Tiyisa minongonoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 8</p> <p>A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |

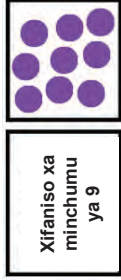

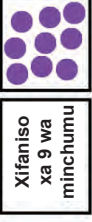
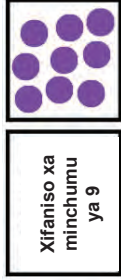

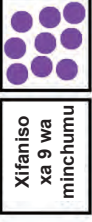
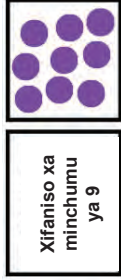

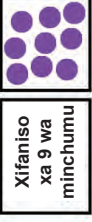
| <p>Vhiki 33</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.13</p> <p>Ku hlanganisa na ku susa</p> <p>Tinotsi to hlamusela</p> <p>Ku dyondza hi ku tirhisa swirho</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> Mudyondzisi a vitana vadyondzi va3 emahlweni. Vadyondzi va va hlayela. Mudyondzisi a vitana van'wana va2 kutani a va vutisa a ku: "I vadyondzi vangani hinkwavo?" 3 na 2 → 5. (Mudyondzisi a ku: 3 na 2 swi endla 5) Mudyondzisi a paka switulu swi 2. A engetela swin'wana swi 2. I switulu swingani swi nga kona sweswi? 2 na 2 → 4. Mudyondzisi a tlakusa voko rin'we ehenhla. Kutani a ku: "hlayelani tintiho ta mina. Loko ndzi tumbeta khudzu ra mina, I tintiho tingani mi ti vonaka? 5 hi susa 1 → 4. Vadyondzi a va hlayeli tintiho eka xandla xa vona xin'we. Tumbeta khudzu ra wena. I tintiho tingani leti u ti vonaka? 5 hi susa 1 → 4. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Vadyondzi va paka 6 wa swo hlayela hi swona kutani va endla leswi landzelaka:</p> <ul style="list-style-type: none"> Mudyondzisi a nyika mudyondzi un'wana na un'wana 6 wa swo hlayela hi swona. A nyika swiletelo kutani vadyondzi va hlamula, xik, pakani 2 wa swo hlayela hi swona, engetela swin'wana swi 3. I swingani hinkwaswo? 2 na 3 → 5. Hlayela 4 wa swo hlayela hi swona. Hlayela swi 2 ku suka eka 4. Xana u na swingani sweswi? 4 na 2 → 6. Hlayela vuhlalu hinkwabyo lebyi u nga na byona. Loko u pfaleta vuhlalu byimbirhi evokweni ra wena, I vuhlalu byingani lebyi salaka? 6 hi susa 2 → 4. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangji swo khomeka swa mathelo ma2</p> <p>Endla Swiphazamiso swa tinomboro kutani u pfumelela vadyondzi ku swi valanga.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">6</div> <div style="border: 1px solid black; padding: 5px;">3</div> <div style="border: 1px solid black; padding: 5px;">9</div> <div style="border: 1px solid black; padding: 5px;">7</div> <div style="border: 1px solid black; padding: 5px;">2</div> <div style="border: 1px solid black; padding: 5px;">9</div> </div> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Minchumu yo karhi na/kumbe swo hlayela hi swona</p> <p>Swiphazamiso swa tinomboro</p> |

| <p>Vhiki 33</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokohaka</p> <p>3.3</p> <p>Swivumbeko swa mathelo ma2</p> | <p>Tinotsi to hlamusela</p> <p>Ku lemuka, kombisa na ku hlamusela swivumbeko swa mathelo ma2 eka swifaniso</p> <p>Ntwiso wa swo voniwa</p> <ul style="list-style-type: none"> • Kombisa swiphemu eka leswi heleleke <p>Ku dyondza hi ku tirhisa swirho</p> <p>Mudyondzisi a hlamusela nchumu wo karhi a vutisa vadyondzi leswaku l yini, xik.,</p> <ul style="list-style-type: none"> - 'Ndzi ehleketa nchumu wun'wana wo tshwuka, wu na mune wa mavhiliwa, mune wa swipfalo na fasitere leri pfulaka naswona wu endla mpfumawulo wa "vhum". Nghingiriko lowu wu nga endliwa hi mintlawa tanihi mphikizano – ntlawa wun'we wu hlamusela, ntlawa lowun'wana wu vhumba nchumu wa kona. - Hlamusela munhu kutani u byela vadyondzi va n'wi komba munhu loyi. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Komba mudyondzi xifaniso a xi languta. Kutani u xi susa u n'wi byela a hlamusela vuxokoxoko bya leswi a swi tsundzukaka. - Teka xifaniso xin'wana ni xin'wana u xi tsemelela hi swiphemu. Veka swiphemu swa swifaniso ebokisini, kutani u byela vadyondzi ku lava swiphemu swo swifaniso leswi kayivelaka. - Dirowa swifaniso swo ka swi nga hetisekangi ephepheni kutani u byela vadyondzi va swi hetisa. |
| <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Siku rin'we</p> |
| <p>Swiphemu swa swifaniso leswi tsemeleriweke</p> <p>Swo dirowiwa swo ka swi nga hetisekangi</p> | <p>Xifaniso xin'wana na xin'wana</p> <p>Swiphemu swa swifaniso leswi tsemeleriweke</p> <p>Swo dirowiwa swo ka swi nga hetisekangi</p>   |

| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriweke hi mudyondzisi etililasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>3.4 Ndzinganiso</p> <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku endla ndzemuko wa leswaku miri wu na tlhelo ra ximatsi na xinene leri nga kotaka ku fambafamba ri ri roxe Ku dyondza hi ku tirhisa swirho <ul style="list-style-type: none"> - Vekela rhekerhe eka hlakala ra voko ra xinene ra mudyondzi un'wana na un'wana. - Yimbelala risimu ra ku kombisa ku endla: "ndzi nghenisa nkondzo wa mina wa ximatsi endzeni" <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tlhandleka voko ra xinene etinhlokweni ta vona. - Khumba tsole ra ximatsi hi xikokola xa vona xa xinene. - Khumba katla ra vona ra xinene hi voko ra ximatsi na sw. na sw. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Nyika mudyondzi un'wana na un'wana buloko yo aka hi yona.</p> <p>Vadyondzi a va tshami eka khapete va :</p> <ul style="list-style-type: none"> - Veka buloko eka tlhelo ra vona ra xinene/ ximatsi - Eka katla ra ximatsi/ xinene. - Eka tsole ra ximatsi/ xinene. - Eka nkondzo wa ximatsi/ xinene, na sw. n sw. | <p>Siku rin'we</p> <p>Tinsimu to komba ku endla/ swinsin'wana swa ncino xik., "ndzi nghenisa nkondzo wa mina wa ximatsi endzeni"</p> <p>Buloko ya mudyondzi un'wana na un'wana</p> |
| <p>3.1 Xiyimo, ndzetelo na mathelo</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzi un'wana na un'wana a nyikiwa phepha na khirayoni. - Vadyondzi va dirowa ntla exikarhi ka phepha ku suka ehenhla ku ya ehansi na wun'wana exikarhi ku suka eximatsini ku ya exineneni. - Mudyondzisi a nyika swiletelo: <ul style="list-style-type: none"> o Veka ritlho ra wena exikarhi ka xihambano. o Dirowa xirhendzevutana hi le henhla eximatsini xa buloko o Dirowa yinhlantarhu hi le hansi ka buloko exineneni. o Dirowa xikwere eka hi le henhla ka buloko exineneni. o Dirowa yinhlamune hi le hansi ka buloko eximatsini. - Kanela phositara ya xifaniso. Vadyondzi va hlamula swivutiso leswi va pfumelelaka ku hlamusela (handle ko komba) swiyimo swa minchumu leyi nga eka swifaniso. | <p>Phepha</p>  |

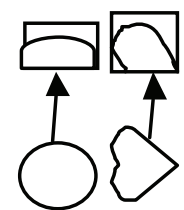
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------|
| <p>Vhiki 34</p> <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Dyondzisa ro sungula nhlamuselo ya nomboro ya 9</p> <p>Swanomo: Hlayela minchumu ya masiku hinkwawo ku fika eka 9. Hlayela ku ya emahiweni na le ndzhaku ku fikeka ka 9</p> <p>Tiyisisa ku hlayela hi va mbirhi hi ku tirhisa swinsin'wana swa tinomboro</p> <p>Tiyisisa ku hlayela ka odinali:</p> <p>Mudyondzisi a paka 6 wa minchumu hi nxaxamelo. A komba nchumu un'wana na un'wana a ri karhi a hlayela <i>n'we, mbirhi, nharhu, mune, ntlanu, tsevu.</i></p> <p>Tiyisisa minongonoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 9.</p> <p>A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>2 wa masiku</p> |
| | <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela ku fika ka 9 va ri karhi va khandziya switepisi - Dirowa nomboro 9 emisaveni/ efulorini/ ehansi kutani u famba ehenhla ka yona. - Phokotela mavoko ku ringana ka 9. - Lemuka tinomboro ta 1 ku fika ka 9 na sete ya mimfungo ya tinomboro leyikulu. - Tirhisa miehleketo ya wena u endla leswaku vadyondzi va tiva nhlamuselo ya 9 hi miri ya vona. | <p>Sete ya mimfungo ya tinomboro leyikulu.</p> | |

| <p>Vhiki 34</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|------------------------------------|
| <p>Nhlokomhaka</p> <p>1.6</p> <p>Tithekiniki to ololoxa xiphigo xa tinhlayo</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Mudyondzisi a tumbuluxa ntila wa tinomboro kumbe lerha efulurini kumbe ehansi</p> <ul style="list-style-type: none"> - Mudyondzisi a nyika swiletelo swo fana na leswi: - Yima eka ziro minkarhi hinkwawo kumbe u sungula eka ziro. - Hlayela u ri karhi u famba minkarhi hinkwayo. - Famba u ya eka nomboro ya 5. Thelela endzhaku eka nomboro ya 2. Yana emahlweni eka nomboro ya 8. - Famba eka nomboro ya 8. Famba ka 1 u ya emahlweni. Famba ka 2 u thelela endzhaku. - Hi yih nomboro leyi taka endzhaku ka 3? - Hi yih nomboro leyi rhangelaka 7? - Endla ndzemuko wa nhlayo wa tinomboro hi ku endla vadyondzi va paka 9 wa swo hlayela hi swona kumbe minchumu yin'wana na yin'wana hi tindlela to hambana, xik.  <p>Loko ku hlayeriwa nhlayo ya minchumu ya karhi a yi khumbeki hi sayizi kumbe xiyimo kumbe ku fanana kumbe yi ri ya muxaka wun'we. Xikombiso:</p> <ul style="list-style-type: none"> - Lulamisa 9 wa tikunupu, 9 wa tipensele, 9 wa tihupisi, 9 wa vadyondzi, na sw. na sw. - Swi hlayele hi nxanamelu wo hambana, xik, hlayela swi hangalakile, swi ri kusuhi, swi ri hi ntila kumbe swi pakiwe ku ya ehenhla. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Tirhisa nomboro ya 9 eka mbangu lowu tolovelekeke.</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Fananisa xikombakombana xa xifaniso lexi fanaka na nomboro ya mathonsi. <p>Paka nomboro leyi fanaka ya swo hlayela hi swona.</p> | | | | | | | | | | |
| <p>Switirhisiwa leswi bumabumeriweke</p> <p>Lerha ra tinomboro</p> <table border="1"> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> </tr> </table> | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | <p>Nkumbetelo wa nkarhi</p> |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |

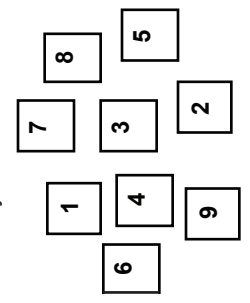
| <p>Vhiki 34</p> <p>Nhlokomhaka</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematihi hi vhiki)</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1.3</p> <p>Mimfungho ya tinomboro na mavito ya tinomboro</p> | <p>• Lemuka mimfungho ya tinomboro na mavito ya tinomboro</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Veka minchumu ya 5 hi nxanxamelo. - Vadyondzi a va yi langute - Vadyondzi va languta ethelo kutani mudyondzisi a susa nchumu wun'we. - Vadyondzi va fanele ku vula leswaku hi wihini nchumu lowu susiweke. - Siva nchumu lowu, u vuyelela maendlelo lama hi ku ya emahlweni u susa minchumu yi2 na yin'wan. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlawula mfungo wa nomboro ya 9 na vito ra nomboro eka swikombakombana leswi nga kona. - Veka swikombakombana swa mimfungho ya tinomboro efulurini hi nxaxamelo lowu faneleke. - Veka swikombakombana swa mimfungho ya tinomboro swi hangalakile. <p>Ava vadyondzi hi mintlawa leyitsongo. Mudyondzisi a nyika ntlawa wun'wana na wun'wana sete ya makhadi ya mimfungho ya tinomboro.</p> <p>Nyika vadyondzi swiletelo, xik.;</p> <ul style="list-style-type: none"> - Khumba nomboro ya 4, veka xikokola xa wena eka nomboro ya 8, tshama eka nomboro ya 3, tsutsuma u rhendzeleka eka nomboro ya 5 ku ringana ka 5, na sw. n sw. - Tlanga mintlangu u yelanisa nomboro ya swo hlayela hi swona na vito ra nomboro na mfungo wa nomboro, mathonsi na makhadi ya swifaniso. - Tiyisa leswaku mfungo wa nomboro na vito ra nomboro swi yelana na nomboro leyi fanaka na minchumu. | <p>5 wa minchumu (ku tsundzuka leswi voniweke)</p> <p>Swo hlayela hi swona</p>  <p>Tisete tintsongo leti nga na makhadi ya tinomboro 1-9</p>  <p>Makhadi ya swikombakombana swa mi fungo ya tinomboro na mavito ya tinomboro, mathonsi, na swifaniso, xik.;</p>  <p>Swo hlayela hi swona</p> | <p>5 wa minchumu (ku tsundzuka leswi voniweke)</p> <p>Swo hlayela hi swona</p>  <p>Tisete tintsongo leti nga na makhadi ya tinomboro 1-9</p>  <p>Makhadi ya swikombakombana swa mi fungo ya tinomboro na mavito ya tinomboro, mathonsi, na swifaniso, xik.;</p>  <p>Swo hlayela hi swona</p> | <p>5 wa minchumu (ku tsundzuka leswi voniweke)</p> <p>Swo hlayela hi swona</p>  <p>Tisete tintsongo leti nga na makhadi ya tinomboro 1-9</p>  <p>Makhadi ya swikombakombana swa mi fungo ya tinomboro na mavito ya tinomboro, mathonsi, na swifaniso, xik.;</p>  <p>Swo hlayela hi swona</p> |

| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
| <p>3.1 Xiyimo, ndzetelo na mathelo</p> | <p>Landzelela swilelelo swa mathelo kumbe swo ku yisa eka ndhawu yo karhi</p> <ul style="list-style-type: none"> Ku va na ntwisiso wa mathelo Ku dyondza hi ku tirhisa swirho <ul style="list-style-type: none"> - Dirowa yinhlantarhu leyikulu kumbe swikwere ehansi kumbe efulurini. - Vadyondzi va famba ethelo ka xivumbeko va ri karhi va huwelela loko va hundzulukelo eximatsini kumbe exineneni, va tlhela va komba hi mavoko ya vona. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Dirowa yinhlantarhu leyikulu, kumbe xikwere ephepheni kutani u ri veka efulurini. Pfumelela mudyondzi un'we a:</p> <ul style="list-style-type: none"> - Susumeta ximovhana xo tlangisa ethelo ka mintila. - Vadyondzi lavan'wana hinkwavo va tshambuluta mavoko ya xinene kumbe ximatsi eka tlhelo leri fambelanaka va vula va ku <i>xinene kumbe ximatsi</i>. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlamusela minchumu yo karhi hi tindlela to hambana,xik.; xipopana (emahlweni/ endzhaku), yindlu (emahlweni/ endzhaku), emahlweni kumbe endzhaku ka xikolo, movha (emahlweni/ endzhaku) ku ya hi leswaku u yime kwihi. - Vadyondzi va hlamusela leswi va swi vonaka, xik.; loko ku ri na nsinya emahlweni ka yindlu va hlamusela laha nsinya wu nga kona. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Pfumelela vadyondzi va tiv nongoti wa le mahlweni/ endzhaku hi ku kombisa tlhelo eka swifaniso. | <p>Siku rin'we</p> <p>Swivumbeko leswikulu swo dirowiwa eka phepha</p> <p>Ximovhana xo tlangisa</p> <p>Xipopana Yindlu Movha</p> <p>Swifaniso leswi kombaka kahle mathelo, xik.; tlhelo leri movha wu kongomaka eka yona, tlhelo leri munhu a fambelaka eka rona.</p> |


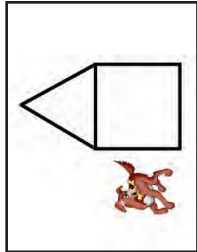
| <p>Vhiki 34</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematihi hi vhihi)</p> | <p>Nkumbetelo wa nkarhi</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhiokomhaka</p> <p>3.3</p> <p>Swivumbeko swa matlhelo ma2</p> <p>Tinotsi to hlamusela</p> <p>Lemuka, kombisa na ku vula swivumbeko leswi nga etlilasi na le ka swifaniso kutani swi hlawuriwa ku ya hi swihlawulekisi</p> <ul style="list-style-type: none"> • Tiyisisa vutivi bya xirhendzevutana, xikwere na yinhlamune <p>Ku dyondza hi ku tirhisa swirho</p> <p>Vadyondzi a va tirhe hi vambirimbirh vai.</p> <ul style="list-style-type: none"> - Dirowa xivumbeko enhlaneni wa munghana hi rintoho. Mudyondzi loyi un'wana u fanele ku lemuka xivumbeko. <p>Ku tirhisa minchumu yo khomeka ya matlhelo ma3</p> <p>Nyika swivumbeko swa jometiri swa tisayizi na ku bumbula ko hambanahambana. Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Ava swivumbeko swa jometiri ku ya hi, xik.; swirhendzevutana, yinhlamune, xikwere na yinhlamune. - Ava swivumbeko swa jometiri ku ya hi sayizi - Ava swivumbeko swa jometiri ku ya hi muhlovo <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tsema swivumbeko leswi boxiweke laha henhla ephephehi. Katsa swivumbeko leswikulu na leswitsongo na tiyinhlamune to hambanahambana. - Ava swivumbeko hi ku hambanahambana ka swona swin'we. - Lulamisa xifaniso lexi nga na swivumbeko leswi tsemeleriweke va swi tirhisa hi nkarhi wa swa vutshila. | <p>Siku rin'we</p> <p>Swivumbeko swo hambanahambana</p> <p>Phepha leri nga na swirhendzevutana, tiyinhlamune, swikwere na tiyinhlamune, xik.;</p>  <p>Katsa swivumbeko leswikulu na leswitsongo na tiyinhlamune to hambanahambana, swik.;</p>  |

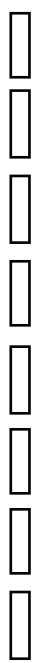
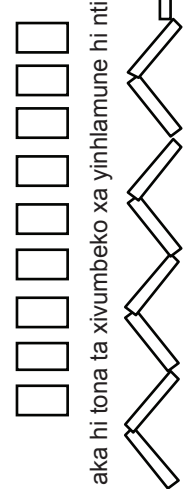

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | | | | |
| <p>Vhiki 34</p> | <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Nkumbetelo wa nkarhi</p> | |
| <p>3.4</p> | <p>Ndzinganiso</p> | <p>Ku lemuka leswaku ku na ndzingano eka minchumu yo karhi Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <ul style="list-style-type: none"> - Languta minchumu ya nfiyiso leyi kombisaka ndzinganiso. (tihelo lerin'wana ri fana na lerin'wana, xik.; phaphatana, tluka na xiluva, sw. na sw.) - Vadyondzi na mudyondzisi va hlingeleta swifaniso leswi nga na swivumbeko swo ringana, xik.; xivumbeko xa yindlu leyi pendiweke, tithayili, swo khoma swiluva, na pharaxuti. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangji swo khomeka swa matihelo ma2</p> <ul style="list-style-type: none"> - Mudyondzi u tsema xivumbeko xa mbilu kumbe xo vekela xiluva eka phepha leri petsiweke hafu a ri sasekisa hi nkarhi wa swa vutshila bya swo voniwa. | <p>Switirhisiwa leswi bumabumeriweke</p>   <p>Phepha leri nga petsiwa hafu</p> | <p>Siku rin'we</p> |

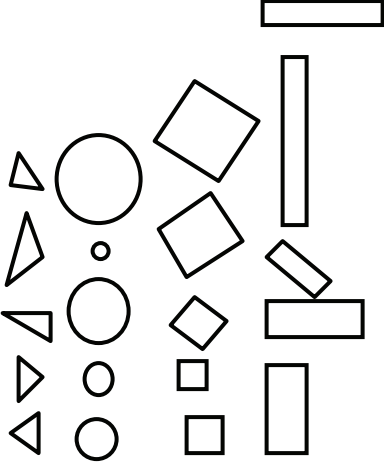
| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------|-----------------------------|
| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | | | |
| <p>Vhiki 35</p> | <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Nkumbetelo wa nkarhi</p> |
| | | <p>Switirhisiwa leswi bumabumeriweke</p> | |

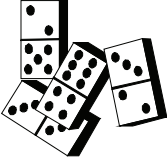
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etiliasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 35</p> <p>1.1 Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Tiyisisa vutivi lebyi kumiweke hi mavhiki ya 34 lawa ma katsaka nomboro ya 9 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 9. Hlayela ku ya emahliweni na le ndzhaku ku fikeka ka 9 Hlayela hi ku vuyelela 1-10 Tiyisisa ku hlayela hi ximbirimbirhi u tirhisa swinsin'wana swa tinomboro</p> <p>Tiyisisa minongoti ya “swo tala na switsongo” Phokotela mavoko ko tala..... YIMA. Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 9 A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> | <p>Tinsimu ta tinomboro na tinsimu</p> | <p>Siku rin'we</p> |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Ku dyondza hi ku tirhisa swirho A hi tiangeni ntlangu: Mudyondzisi a veka khadibodo leyikulu ya swivumbeko swa tinomboro kumbe makhadi lama nga na tinomboro ta 1 ku fika eka 9 kumbe hi ndzandzelelano efulurini. Mudyondzisi a nyika vana swileriso swo fana na leswi:</p> <ul style="list-style-type: none"> - Tshama eka nomboro ya 6. - Veka xikunwana eka nomboro 3. - Tsutsuma u rhendzeleka eka nomboro ya 2 ku ringana kanharhu. - Tlula henhla ka nomboro ya 1. - Endzhaku ka nkarhi mudyondzisi a nga hangalasa makhadi ya Mimfungho ya tinomboro. <p>Tirhisa tinomboro eka mbangu lowu nga toloveleka Ku tirhisa minchumu yo khomeka ya matihelo ma3 Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlayela minchumu leyi nga etiliasini - Hlayela swo hlayela hi swona. - Mudyondzisi a veka minchumu yo karhi hi nhulu etafuleni. Va kumbetela leswaku l minchumu yingani leyi nga eka nhulu. Endzhaku ka swona va yi hlayela. | <p>Khadibodo lerikulu ra sete ya makhadi ya mimfungho ya tinomboro. U nga tlhela u yi penda eka swiphemu swa mapulasitiki yo tsindziyela kumbe tibodo to tsindziyela.</p>  | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Tlanga mintlangu yo yelansa nhlayo ya swo hlayela hi swona, vito ra nomboro, mathonsi na makhadi ya swifaniso. - Tiyisa leswaku mfungho wa nomboro na vito ra nomboro swi yelana na nhlayo ya Minchumu yoleyo - Kandziyisa nomboro ya 9 hi khirayoni. | <p>Makhadi ya swikombakombana lama nga na mfungho wa nomboro na vito ra nomboro, mathonsi na swifaniso xik.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Xifaniso xa Minchumu ya 9</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">9</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">kaye</div> </div> <p>Swo hlayela hi swona, Tikhirayoni</p> | |
| <p>1.7</p> <p>Ku hianganisa na ku susa</p> | <ul style="list-style-type: none"> • Ku ololoxa xiphigo xa rito hi nomo (switori swa tinhlayo) eka mbangu lowu nghenisaka tinomboro ta 1 na 9 <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Rungula xitori xa murhi lowu nga na xinyenyana xin'we ehenhla ka wona. Ku fika xin'wana xinyenyana. I swinyenyana swingani leswi nga kona sweswi. Vadyondzi va encenyeta xitori hi timasiki. 1 na 1 swi hi nyika 2. <p>Vuyelela xitori ku fikela laha ku va ka na swinyenyana swa kaye</p> | <p>Xifaniso xa murhi lowukulu</p> | <p>Siku rin'we</p> |
| | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Munghana un'we u na 8 wa swo hlayela hi swona xik. Swiharhi swa mapulasitiki na munghana wa yena a va na 1. I swiharhi swingani swa mapulasitiki leswi va nga na swona hinkwaswo? 8 na 1 → 9 | <p>9 wa swo hlayela hi swona</p> | |
| | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Nyika mudyondzi un'wana na un'wana phepha ro tirhela eka rona leri nga na xifaniso xa nsinya. Vadyondzi va vekela xo hlayela hi xona xin'we emurhini. Va ya emahlweni va engetela xo hlayela hi xona xin'we hi nkarhi. | <p>Phepha ro tirhela eka rona leri nga na murhi na swo hlayela hi swona.</p> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 35</p> <p>3.1 Xiyimo, ndzetelo na mathelo</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku hlamusela minchumu yimbirhi leyi nga na vuxaka. <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzi a byela munghana ku yima exikarhi ka minchumu yimbirhi/vadyondzi. - Mudyondzi a byela munghana ku yima kusuhi na nhwana loyi a nga ambala rhoko ya wasi. - Mudyondzi a byela munghana ku yima kusuhi na mufana wa masandhazi ya buraweni. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> • Hayeka ntambu exikarhi minchumu yimbirhi. • Vadyondzi va hayeka swiambalo ku ya hi swileriso swo karhi xik. - "Hayeka hembhe ethelweni ra ximatsi ra darata yo aneka" - "Hayeka rhoko ethelweni ra xinene ra hembhe " - Hayeka xidukwana kusuhi na ... sw. na sw." - "Hayeka maburuku exikarhi ka ... sw. na sw." <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> • Dirowa xifaniso xa yindlu ku ya hi swileriso xik. - Dirowa lwangu hi lehenhla ka pheji - Dirowa makhumbi ya yindlu exikarhi ka pheji sw. na sw. - Dirowa mbyana evokweni ra ximatsi ra yindlu. <p>Phepha a ri fanelanga ku va rikulu ngopfu, ku endlela leswaku swivumbeko leswi swo hambanahambana swi khomanana ku vumba xifaniso xa yindlu.</p> |  <p>Phepha Khirayoni</p> | <p>Siku rin'we</p> |
| | |  | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Vhiki 35 | Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 3.3 Swivumbeko swa mathelo ma2 | <p>Tinotsi to hlamusela</p> <p>Ku lemuka, kombisa na ku vula swivumbeko swa mathelo ma2 etlilasi na le ka swifaniso:</p> <ul style="list-style-type: none"> - Nhlaysi wa xivumbeko • Ku tiyisa vutivi lebyi kumiweke bya yinhlamune <p>Nhlaysi wa xivumbeko i vuswikoti byo hambanisa swivumbeko leswi nga eka mbangu wa hina, swi nga yi hi sayizi kumbe tisayizi ta engele</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Ava vadyondzi hi mintlawa.</p> <ul style="list-style-type: none"> - Nyika ntlawa wun'wana na wun'wana 9 tibuloko to aka hi tona ta rekthengula ta tisayizi to hambanahambana. <p>Vadyondzi a va :</p> <ul style="list-style-type: none"> - Hlawuli tibuloko to aka ta xivumbeko xa rekthengula ku ya hi sayizi leyi fanaka hi mintlawa. - Hlayela nhlayo ya tibuloko to aka. <p>Mudyondzisi a nyika swileriso leswi landzelaka:</p> <ul style="list-style-type: none"> - Veka tibuloko ta xivumbeko xa yinhlamune hi ntila wo ololoka.  <ul style="list-style-type: none"> - Veka tibuloko ta xivumbeko xa yinhlamune ti languta ehenhla.  <ul style="list-style-type: none"> - Veka tibuloko to aka hi tona ta xivumbeko xa yinhlamune hi ntila wo jikajika. <ul style="list-style-type: none"> - Mudyondzisi a nyika mudyondzi un'wana na un'wana xiphemu xa wulu. Vadyondzi va endla xivumbeko xa yinhlamune hi wulu.  | <p>Siku rin'we</p> <p>Kumbe u hlawula yin'wana ya mgingiriko</p> <p>Ntlawa wun'wana na wun'wana wu kuma 9 wa tibuloko ta xivumbeko xa yinhlamune ta tisayizi to hambanahambana.</p> <p>Xiphemu xa wulu</p> | <p>Nkumbetelo wa nkarhi</p> |
| | <p>Mudyondzisi a kombisa leswaku tiyinhlamune ta vadyondzi ti hambanile kambe xivumbeko xa fana, hinkwato i tiyinhlamune.</p> | | |

| <p>Vhiki 35</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | | | <p>Nkumbetelo wa nkarhi</p> |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|
| <p>Nhiokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | | |
| <p>3.3 Swivumbeko swa mathelo ma2</p> | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a humesa 20 wa makhadi ya swikombakombana swo hambanahambana, rin'we ri va na nthanu wa tiyinhlamharhu, swirhendzevutana, swikwere na tiyinhlamune swo hambanahambana.  <p>Mudyondzisi a ava vadyondzi hi mintlawa. Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlawula makhadi ya swikombakombana ya yinhlamune eka swivumbeko leswin'wana. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlawula swifaniso leswi nga na swiluva exikarhi ka swifaniso leswi nga na mirhi na matluka sw. na sw. | <p>20 wa makhadi ya swikombakombana swo hambanahambana, rin'we ri va na nthanu wa tiyinhlamharhu, swirhendzevutana, swikwere na tiyinhlamune.</p> | | |

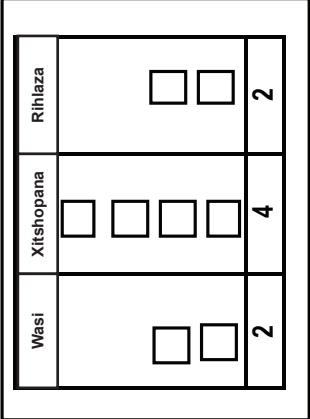
| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 1.1 Ku hlayela minchumu | <p>Ku tiyisisa vutivi lebyi kumiweke lebyi ngenhisaka tinomboro 1 ku fika eka 9</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 9. Hlayela ku ya emahlweni na le ndzhaku ku fikela ka 9</p> <p>Tiyisisa ku hlayela hi ximbirimbirhi u tirhisa swinsin'wana swa tinomboro.</p> <p>Tiyisisa minongonoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 9.</p> <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <ul style="list-style-type: none"> - Veka minchimu leyi nga ta ngenhisa tinomboro ta 1 ku fika eka 9 emintlaweni kutani ku hlayeriwa minchumu leyi hi ku huwelela. - Tlanga tinomboro ta le ka makhadi ya dominiyo | <p>Tinsimu ta tinomboro na swinsin'wana</p>  <p>Minchumu leyi nga etililasi . Tinomboro ta le ka makhadi ya dominiyo</p> | Siku rin'we |
| | <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <p>Nyika mudyondzi un'wana na un'wana khadi ra xifaniso, thonsi, mfungho wa nomboro kumbe vito ra nomboro.</p> <p>Vadyondzi va landzelela swileriso swa mudyondzisi.</p> <ul style="list-style-type: none"> - Vadyondzi va tshama hi xirhendzevutana. - Mudyondzisi a vita nomboro xik. 9. Vadyondzi lava nga na khadi ra xifaniso, thonsi, mfungho wa nomboro na vito ra nomboro leyi yimelaka 9, a famba hi xirhendzevutana, a ri karhi a vula a ku : “ Ndzi na kaye” - Vuyelela na le ka letin'wana tinomboro. - Loko un'wana na un'wana a vile na nkarhi wo “va” nomboro, vita tinomboro hi ndzandzelelano. - Vadyondzi va yima va tlakusela makhadi ya vona ehenhla loko nomboro ya vona yi vitaniwa. - A vona loko vadyondzi va kota ku tilulamisa hi ku landzelana ku suka eka 1 ku fika ka 9. - A vona loko vadyondzi va kota ku lulamisa makhadi hinkwawo lama yimelaka nomboro ya 1,2, na 3 ku fika eka nomboro 9 swin'we. | <p>Sete ya makhadi ya tinomboro yo ringanela leyi ngenhisaka tinomboro to sukela ka 1 ku fika ka eka 9 ya n'wana un'wana na un'wana etililasi ku kuma khadi ra swikombakombana.</p> | |

| <p>Vhiki 36</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | <p>Nkumbetelo wa nkarhi</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Tinotsi to hlamusela</p> | <p>• Pimanisa nhlengelo wa leswi nyikiweke swimbirhi loko swi :</p> <ul style="list-style-type: none"> - tlula ka - Ehansi ka (switsongo) - Ku ringana na (swa fana) <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi a nyika minchumu yo hambanahambana yo tanihi matluka, maribye, swipfalo swa mabodhlela, tikhirayoni, tibuloko, sw. na sw. <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Hlawula ku ya hi swihlawulekisi "mintlawa" xik. Maribye hinkwawo eka ntlawa wun'we - Hlayela nhlayo ya minchumu eka "ntlawa" wun'wana na wun'wana. - U ri karhi u kombisa leswaku i "ntlawa" wihi wu "tlulaka ka" nga "hansi ka" na ku "ringana na". <p>Tisete leti nga na tinomboro to fika eka 9:</p> <ul style="list-style-type: none"> - Vadyondzi va tshama emetini va endla "swisaka" swimbirhi hi wulu. - Mudyondzisi a nyika vadyondzi swileriso swo veka swo hlayela hi swona swi2 eka xisaka xin'we na 4 eka xisaka lexin'wana. - A vutisa swivutiso swo fana na leswi: "hi xihhi xisaka lexi nga na "ku tlula ka", " ehansi ka" na "ringana na" nhlayo ya swo hlayela hi swona?" xik. "xisaka" na2 wa swo hlayela hi swona leswi nga ehansi ka "xisaka" lexi nga na 4 wa swo hlayela hi swona. | <p>Swiphemu swimbirhi swa wulu swa mudyondzi un'wana na un'wana.</p> <p>9 wa swo hlayela hi swona swa mudyondzi un'wana na un'wana.</p> |




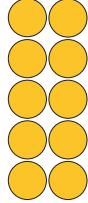
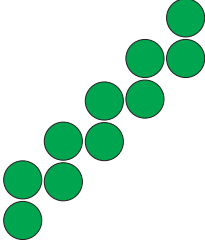










| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------|
| Vhiki 36 | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Nhlokomhaka | | | |
| 1.13 Ku hlanganisa na ku susa | <p>Ku ololoxa swiphiqo leswi boxiweke swa ku hlanganisa na ku susa leswi ngenhisaka tinomboro ta 1 ku fika eka 9 hi nomo</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 9. Hlayela ku ya emahlweni na le ndzhaku ku fikeka ka 9</p> <p>Tiyisa ku hlayela hi va mbirhi u tirhisa swinsin'wana swa tinomboro</p> <p>Tiyisa ku hlayela hi odinali: Vadyondzisi va paka 6 wa minchumu hi nxanxamelo. Va komba nchumu un'wana na un'wana va ri karhi va hlayela n'we, mbirhi, nharhu, mune, ntlhanu, tsevu.</p> <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 9.</p> <p>A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> | <p>Risimu ra tinomboro na swinsin'wana swa ncino</p> | <p>Siku rin'we</p> |
| | <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a vita mudyondzi 1 a ya emahlweni - Mudyondzisi a veka nhlayo yo hambanahambana ya vuhlalu (ku fika ka 9) emavokweni ya mudyondzi un'wana na un'wana xik. 4 eka voko rin'we na 5 eka lerin'wana. - Mudyondzisi a lulamisa vadyondzi h imintlawa ya kaye. - Vadyondzi va tshama efulurini. - Mudyondzisi a kombela vadyondzi va2 va yima. - Mudyondzisi a vutisa: “I vadyondzi vangani va nga tshama efulurini?” | <p>Vuhlalu kumbe swo hlayela hi swona</p> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 36</p> <p>1.13</p> <p>Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Vadyondzi va tshama emetini.</p> <ul style="list-style-type: none"> - Mudyondzi un'wana na un'wana a amukela 8 wa vuhlalu lebyi vekiweke eka khapu leyi nga na sosara. - Teka 6 wa vuhlalu eka khapu u byi veka eka sosara. Teka byin'wana byi 3 u engetela eka vuhlalu lebyi nga eka sosara. I vuhlalu byingani byi nga eka khapu? 6 na 3→9. - Teka 4 wa vuhlalu eka khapu ya pulasitiki u byi veka eka sosara. I vuhlalu byingani byi nga eka khapu? 8 susa 4 eka 4→0. - Susa 4 wa vuhlalu eka sosara u yisa eka khapu. I byingani lebyi nga sala eka sosara? 8 u susa 4 □ 4. - Susa 5 wa vuhlalu eka sosara u yisa eka khapu. I byingani byi nga sala eka sosara? 8 u susa 5 □ 3. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Ava vadyondzi hi mintlawa. Nyika ntlawa wun'wana na wun'wana sete ya makhadi ya swikombakombana ya swifaniso</p> <ul style="list-style-type: none"> - Hlayela 6 wa swifaniso leswi nga eka swikombakombana swa makhadi. Loko u engetela khadi ra xikombakombana leri nga na 2 wa swifaniso Xana u ta va na swingani sweswi? 6 na 2 →8. - Hlayela 8 wa Minchumu leyi nga eka khadi ra xifaniso. Loko u pfala 3, i swingani leswi u swi vonaka? 8 susa 3→ 5. - Paka nhlayo leyi fanaka ya swo hlayela hi swona. | <p>Endla swin'wana swo yelana na swona loko u nga ri na tona tikhapu na tiosara.</p> <p>Tisete tintsongo ta swifaniso swa swikombakombana.</p> | |
| <p>2.1</p> <p>Tipatironi ta xijometiri</p> | <ul style="list-style-type: none"> • Encenyeta patironi ya huwa <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a ava vadyondzi hi mintlawa yinharhu. A hlevela na ku kombisa ntlawa wun'wana na wun'wana mpfumawulo wa movha lowu va nga ta wu endla. - Ntlawa wun'wana na wun'wana wu endla mpfumawulo lowu wu nyikiweke wona loko mudyondzisi a va komba. - Woosh, brrrrm, zonk / Woosh, brrrrm, zonk. | <p>Xifaniso xa mimovha yinharhu yo hambanahambana kumbe michini.</p> | <p>Siku rin'we</p> |

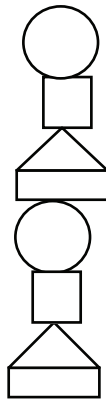
| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki) | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 36 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| Nhlokomhaka | Tinotsi to hlamusela | | |
| <p>5.1</p> <p>Ku hlengeleta na ku ava minchumu ku ya hi swihlawulekisi swo karhi</p> | <p>Tiyisisa nongoti wa makhomelo ya vuxokoxoko bya mahungu</p> <p>Ku tirhisa mnchumu yo khomeka ya mathelo ma3</p> <p>A hi tiangeni ntlangu:</p> <p>Ava hi mintlawa u hlawula muhlovo wa vumba byo tlangisa bya vhiki leri landzelaka.</p> <ul style="list-style-type: none"> - Xiphiko lexi faneleke ku oloxiwa i xa ku kumisisa muhlovo wa vumba byo tlangisa bya vhiki leri landzelaka. <p>Hlengeleta vuxokoxoko bya minchumu u ava ku ya hi swihlawulekisi swa yona.</p> <ul style="list-style-type: none"> - Tirhisa minchumu ya ntiyiso to endla girafu yo fana na tibuloko, tikhuyubu to pakelana, Lego kumbe tibuloko ta Duplo leti yimelaka muhlovo wa vumba lowu kunguhatiweke ku endliwa xik. Wasi,xitshopana, na rihlaza. - Mudyondzi un'wana na un'wana a hlawula buloko yin'we leyi yimelaka muhlovo wa vumba bya yena byo tlangisa bya vhiki. <p>Dirowa Girafu</p> <ul style="list-style-type: none"> - Tibuloko ti pakiwe ku ya hi muhlovo wa tona eka phositara. | <p>Wasi, xitshopana na Lego ya rihlaza, kumbe tibuloko ta yunifiki (a ku tirhisiwe muhlovo wun'we ntsena)</p> | Siku rin'we |
| <p>5.2</p> <p>Ku hlamusela nhlengelo wa minchumu leyi hlawuriweke ku ya hi swihlawulekisi swo karhi</p> | <p>Ku hlanya na ku hlamusela tafula</p> <ul style="list-style-type: none"> - Ku ya hi muhlovo lowu vadyondzi va wu hlawuleke wa vumba byo tlangisa bya vhiki lowu nga ta va wa xitshopana. | | |
| <p>5.3</p> <p>Ku kanela na ku vika hi nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi</p> |  | | |

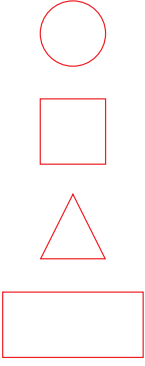
| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 37</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tiyisa ro rungula nhlamuselo ya nomboro ya 0 (ziro)</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 10 u sungula ka ziro Hlayela u ya emahiwani na le ndzhaku ku fika eka 10 u sungula eka ziro.</p> <p>Tiyisa ku hlayela hi va mbirhi u tirhisa tinsimu ta tinomboro</p> <p>Tiyisa ku hlayela hi odinali: Mudyondzisi a paka 6 wa minchumu hi nxaxamelo. A komba nchumu un'wana na un'wana va ri karhi va hlayela n'we, mbirhi, nharhu, mune, ntlhanu, tsevu.</p> <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala.....YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 10</p> <p>A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> <p>Mudyondzisi a kombisa leswaku ziro a yi vuli “nchumu” naswona ku hlayela ku sungula eka 1.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a komba vadyondzi vito ra nomboro ya ziro. - Vadyondyi va kombisa xirho xa miri lexi nga vumbaka ziro xik. o Nomo wa vadyondzi o tintiho ta vadyondzi | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |
| | <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi a veke xo hlayela hi xona eka voko rin'we eka lerin'wana a nga vekhi nchumu. - A pfula voko ra yena rin'we a komba vadyondzi xo hlayela hi xona xin'we, kutani a pfula lerin'wana a komba vadyondzi leswaku a ku na nchumu. - Nghingiriko lowu nga endliwa na hi ku tirhisa vona vadyondzi. <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangji swo khomeka swa matihelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a komba vadyondzi makhadi ya swikombakombana lama nga hava nchumu na mfungho wa nomboro ya 0. | <p>Swo hlayela hi swona</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <input style="width: 30px; height: 30px; border: 1px solid black;" type="text"/> <input style="width: 30px; height: 30px; border: 1px solid black; text-align: center; border-radius: 50%; background-color: #ccc;" type="text" value="0"/> </div> | <p>Siku rin'we</p> |





| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Nhiokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 37</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <p>Dyondzisa ro sungula nhlamuselo ya nomboro ya 10</p> <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika eka 10 u sungula ka ziro. Hlayela u ya emahlweni na le ndzhaku ku fika eka 10 u sungula eka ziro.</p> <p>Hlayela hi ku swi bela enhlokweni 0-10</p> <p>Tiyisa ku hlayela hi va mbirhi u tirhisa tinsimu ta tinomboro</p> <p>Tiyisa ku hlayela hi odinali: Mudyondzisi a paka 6 wa minchumu hi nxanxamelo. A komba nchumu un'wana na un'wana va ri karhi va hlayela n'we, mbirhi, nharhu, mune, ntlhanu, tsevu.</p> <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 10</p> <p>A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> <p>Hlawula ntsena mgingingiriko yitsongo</p> |
| | <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Vumba nomboro ya 10 hi ximibirhimbirhi hi miri ya vona (4 wa vadyondzi). - Hlayela ku fika eka 10 va ri karhi va fambisana na mpfumawulo wa xigubu. - Tlakusa 10 wa tintiho. - Dirowa nomboro 10 esaveni/fulurini /va famba ehenhla ka yona. - Tlula ku ringana ka 10. - Veka tinomboro to tsemiwa ta khadibodo eka bege leyi va nga kotaka ku khumba/ khoma leswi nga endzeni. - Kuma sete ya makhadi ya swikombakombana leswi nga na swifaniso swa tinomboro xik. Tibolo timbirhi ekhadini leri nga na nomboro 2. Mudyondzi a “khumba” nomboro ebegeni a yelanisa na makhadi. | <p>Tinomboro ta makhadibodo leti tsemiweke</p> <p>Makhadi ya swikombakombana ya mimfungo ya tinomboro.</p> | |













| <p>Vhiki 37</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | | <p>Nkumbetelo wa nkarhi</p> |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | |
| <p>1.1 Ku hlayela minchumu</p> | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Pfumelela vadyondzi va :</p> <ul style="list-style-type: none"> - Humesa tinomoro ta vona ta thelefoni va tirhisa makhadi lamakulu ya mimfungo ya tinomoro. Va lemukise hi hi ziro leyi yimeleke nomboro 10 - Endla ndzemukiso wa nhlayo wa tinomoro hi ku endla vadyondzi va paka ntlhanu wa swo hlayela hi swona kumbe minchumu yin'wana na yin'wana hi tindlela to hambana xik. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <p>Loko u hlayela, nhlayo ya minchumu a yi kuceteriwi hi sayizi ya yona, kumbe xiyimo, kumbe ku va yi ri ya muxaka wun'we. Xik:</p> <ul style="list-style-type: none"> - Longoloxa 10 wa tikunupu, 10 wa tipenisele, 10 tihupisi, 10 wa vadyondzi sw. na sw. - Swi hlayeli hi nongonoko wo hambana xik. Hlayela swi hangalakile, swi ri ekusuhi, hi ntila, kumbe swi pakeriwile. | <p>Makhadi lama nga na tinomoro ta thelefoni ta vadyondzi</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> | |

| <p>Vhiki 37</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | <p>Nkumbetelo wa nkarhi</p> | <p>Switirhisiwa leswi bumabumeriweke</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------|
| <p>Nhlokomhaka</p> <p>2.1</p> <p>Tipatironi ta xijometiri</p> | <p>Tinotsi to hlamusela</p> | <p>• Tlangu ntlangu wa patironi – “Tsheretshere” Pfanganisa na Dyondzo ya swa Vutiolori eka dyondzo ya Swikili swa ta Vutomi</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Rhendzeleka ekamareni. Hi ku fungha kumbe loko vuyimbeleri byi yima, mudyondzisi a vita vito ra xivumbeko. Vadyondzi va vumba xivumbeko xexo hi tintiho ta vona. Va nga thela va vumba mintlawa va vumba xivumbeko swa miri ya vona. - Dirowa patironi leyi nga laha hansa /fulurini kumbe evhurandhini ku va vadyondzi va kota ku fambafamba hi ndlela yo karhi. | <p>Xikombiso xa tipatironi leti tsariweke efulurini/ ehansi/vhurandhini</p> | <p>Siku rin'we</p> |
| <p>Kanela patironi leyi xik.</p> <ul style="list-style-type: none"> - Vutisa swivutiso swo tanihi: - "Hi xihl xivumbeko lexi landzelaka endzhaku ka rekthengele yo sungula ?" - "I xivumbeko xihl lexi landzelaka endzhaku ka xirhendzevutana xo sungula. <p>Vadyondzi va landzelela patironi hi ndlela leyi landzelaka:</p> <ul style="list-style-type: none"> - Mudyondzi a ku: "John, sungula u tlula ku nga si tlula Melissa", Mary,u nga tlula endzhaku ka Kabelo" - Tlula hi milenge hinkwawo eka rekthengele. - Tlula hi nenge wa ximatsi eka yinhlanhathu. - Tlula hi nenge wa xinene exikwereni. - Tlula hi milenge hinkwawo exirhendzevutananani u ndzuluta miri wa wena u yimile eka xona. - Hetisa patironi. | | | | |



| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Vhiki 37 | Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| 2.1 | Tipatironi ta xijometiri Ku tirhisa minchumu yo khomeka ya mathelo ma3 - Mudyondzi un'wana na un'wana a nyikiwa swivumbeko leswi landzelaka : Mudyondzisi a vumba patironi hi swivumbeko swa yena Vadyondzi va : - Encenyeta patironi ya mudyondzisi va tirhisa swivumbeko leswi nga laha henhla. - Va ti endlela tipatironi ta vona vini hi swivumbeko leswi va nyikiweke swona. | Mudyondzi un'wana na un'wana a nyikiwa swivumbeko leswi landzelaka:  | Nkumbetelo wa nkarhi |
| 3.1 | Xiyimo, ndzetelo na mathelo Landzelela swilelo swa mathelo ku famba kumbe swo ku yisa eka ndhawu yo karhi • Ku va na ntwisiso wa mathelo hi ku landzelela swilelo leswi katsaka ximatsi na xinene Ku dyondza hi ku tirhisa swirho Vadyondzi a va landzeleli swileriso swa mudyondzisi: - Languta henhla /languta hansi. - Korhama / Korhama swinene. - Tlakusa nenge wa ximatsi / Tlakusa nenge wa xinene. - Kasa u rhenzela tafula. - Famba emahlweni/Famba hi xindzhakundzhaku. - Nghenisa voko ra wena endzeni/humesa ehandle - Yima ethelo ra xinene ra xitulu / Yima ethelo ra xinene ra xitulu. - Yima emahlweni ka xitulu/ethelo ka xitulu. - Yima exikarhi ka switulu swimbirhi - Languta exineneni /languta eximatsini. - Hundzuluxa nenge wa wena wa ximatsi/Hundzuluxa nenge wa wena wa xinene. | Swilelo swo huma eka mudyondzisi: Theminojosi : Henhla/hansi Endzeni/handle Mahlweni/endzhaku thelo lerin'wana Kusuhi na Ximatsi/xinene Exikarhi ka | Siku rin'we |

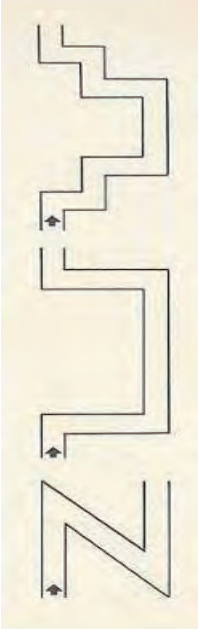
| Vhiki 37 | Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki) | Nkumbetelo wa nkarhi |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Nhlakomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke |
| | <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3 Vadyondzi a va endli leswi landzelaka eka xitsalelo:</p> <ul style="list-style-type: none"> - Dirowa swirhendzevutana kutani u ya emahlweni u rhendzeleka eka swona.  - Dirowa ntila wo ololoka wu suka eximatsini ku fika exineneni.  - Dirowa ntila wo suka ehenhia wu ya ehansi.  - Mudyondzisi a dirowa mathonsi mambirhi kutani vadyondzi va dirowa ntila exikarhi ka mathonsi lama.  | Xitsalelo |

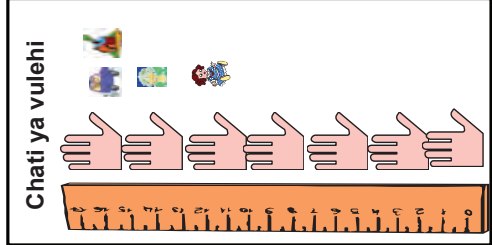
| <p>Vhiki 37</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa :</p> <p>Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------|----------|----------|----------|
| <p>Nhikomhaka</p> <p>5.1</p> <p>Ku hlangeleta na ku ava minchumu ku ya hi swihlawulekisi</p> | <p>Tinotsi to hlamusela</p> <p>Tiyisisa nongoti wa makhomelo ya vuxokoxoko bya tinhlayo</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi a kanaela na ku kumisisa leswaku mudyondzi un'wana na un'wana u tisa ku yini exikolweni. - A endla girafu ya swifaniso leyi yimelaka vadyondzi va ri karhi va famba, va ta hi thekisi, hi movha wa vatswari na lava fikaka hi bazi xik. | | | | | | | | |
| <p>5.2</p> <p>Ku hlamusela nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi swo karhi</p> | <p>Swifaniso swa magazini swa thekisi, bazi, movha na mudyondzi a famba. Loko u nga ri na swifaniso ti endlele hi ku dirowa</p> <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>2</td> <td>3</td> <td>1</td> </tr> </table> |  |  |  |  | 4 | 2 | 3 | 1 |
|  |  |  |  | | | | | | |
| 4 | 2 | 3 | 1 | | | | | | |
| <p>5.3</p> <p>Ku kanaela na ku vika hi nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi</p> | <p>- Xopaxopa mbuyelo hi swivutiso</p> | | | | | | | | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | nkumbetelo wa nkarhi |
| <p>Vhiki 38</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Tiyisa vutivi lebyi kumiweke hi vhiki ra 37 lebyi ngenisaka nomboro ya 10 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 10 Hlayela emahlweni na le ndzhaku ku fika ka 10. Ku hlayela hi ku swi bela enhlokweni 0-10</p> <p>Tiyisa ku hlayela hi va mbirhi u tirhisa tinsimu ta tinomboro</p> <p>Tiyisa ku hlayela hi odinali</p> <p>Mudyondzisi a paka 6 wa minchumu hi nxaxamelo. Komba nchumu wun'wana na wun'wana u ri karhi u hlayela <i>xo sungula, xa vumbirhi, xa vunharhu, xa vumune, xa vuntlhanu, xa vutsevu.</i></p> | | <p>Siku rin'we</p> <p>kumbe</p> <p>Hlawula ntsena migingiriko yitsongo</p> |
| | <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 10</p> <p>A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> | <p>Tinsimu ta tinomboro</p> | |
| | <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Mudyondzisi a humesa 11 (0 ku fika ka 10) wa swirhendzevutana swa lahaku tlangeriwaka kona kumbe ku tirhisa tihupisi. Tsala tinomboro ta 0 ku fika ka 10 endzeni ka xirhendzevutana. Mudyondzisi a vita nomboro kutani mudyondzi a hoxa bini bege ya yena eka xirhendzevutana lexi a vitaniweke eka xona. Tsundzuxa vadyondzi leswaku 0 a yi vuli nchumu. Loko mudyondzi a hoxa bini bege eka xirhendzevutana xa ziro u ta va a humile eka ntlangu Mudyondzi a hoxa bini bege ya yena eka xirhendzevutana lexi fambelanaka na thonsi na/ kumbe khadi ra xifaniso leri kombiweke hi mudyondzisi. Mudyondzi a hoxa bini bege ya yena eka xirhendzevutana lexi kombiweke eka khadi ra mfungho wa nomboro leyi kombiweke hi mudyondzisi A ya emahlweni hi ku tirhisa khadi ra vito ra nomboro hi ndlela leyi fanaka | <p>10 wa tibini bege</p> <p>Dirowa swirhendzevutana esaveni/ehansi kumbe efulurini kumbe va tirhisa tihupisi.</p> | |

| <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Vhiki 38 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | nkumbetelo wa nkarhi |
| <p>Nhiokomhaka</p> <p>1.3</p> <p>Mimfungho ya tinomboro na mavito ya tinomboro</p> | <p>Tinotsi to hlamusela</p> <p>Ku lemuka na ku kombisa mimfungho ya tinomboro na mavito ya tinomboro</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <p>A hi tlangeni ntlangu:</p> <ul style="list-style-type: none"> - Mudyondzisi a tsala vito ra nomboro eka tlhelo lerin'wana ra khadi a tlhela a tsala mfungho wa nomboro eka tlhelo lerin'wana. Mfungho wa nomboro eka tlhelo lerin'wana ra khadi leri ngenhisaka nomboro 0 ku fika ka 10 (tirhisa tisetse tintsongo) - Vadyondzi va "hlaya" vito ra nomboro na ku kumbetela mfungho wa nomboro. - Va hundzuluxa khadi va tilulamisa. | <p>Sete ya makhadi ya tinomboro leti ngenhisaka nomboro 0-10</p> <p>Makhadi lama ngenhisaka tinomboro 1-10 na vito ra nomboro eka tlhelo lerin'wana na mfungho wa nomboro eka lerin'wana tlhelo. (Endla tisetse tintsongo leswaku mudyondzi un'wana na un'wana a ta va na ra yena khadi)</p> | |
| <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Dyondzisa ro sungula tinomboro ta odinali - xosungula, xavumbirhi, xavunharhu, ku fika ka vutsevu.... xo hetelela</p> <p>Nongoti lowu wu tumbuluxiwa kahle hi ku famba ka nkarhi hi ku tirhisa na ku lebula swijimo swa ntumbuluko tanihleswi swi humelerisaka xiswona etlilasi xik. Ku fola layini ro ya ehandle. Siya i wo sungula, Helen i wa vumbirhi...</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Vadyondzisi va tsutsuma rheyisisi. I mani a nga fika ro sungula, I mani a fikeke ra vumbirhi, I mani fikeke ro hetelela? <p>Tlangu ntlangu – “Hi xih xi nga xona”?</p> <ul style="list-style-type: none"> - Byela nthanu wa vadyondzi ku tshama hi nxaxamelo eka nthanu wa switulu.. - Mudyondzisi a ku: “Ndzi ehleketa hi un'we wa vadyondzi lava” “ Mudyondzi u ambale jezi yo tshwuka.” - Sungula hi mudyondzi loyi a tshameke emahlweni, a famba hi nxaxamelo, a khumba mudyondzi un'wana na un'wana a vutisa: I xo sungula, xa vumbirhi, xa vunharhu ... vadyondzi? <p>Vadyondzi va 5 va yima eswitepisini ehandle. Mudyondzisi a veka khadi ra mfungho wa nomboro ya nkahoxeko ehansi ka n'wana un'wana na un'wana eswitepisini.</p> <p>Ndzi kombeni mudyondzi loyi a yimeke:</p> <ul style="list-style-type: none"> - Eka xitepisi xo sungula. - Xitepisi xa vumbirhi. - Xitepisi xa vunharhu sw.sw <p>Mudyondzi loyi a nga eka xitepisi xo sungula a khoma khadi ra mfungho wa nomboro ntsena loko vadyondzikulobye va hlamurile. Yana emahlweni u fika eka nomboro 6.</p> | <p>Siku rin'we</p> <p>Nthanu wa switulu</p> <p>Sete ya mfungho wa tinomboro leti ngenhisaka tinomboro 1 ku fika eka 10</p> <p>Tiendele swo yelana na swona loko ku ri hava lerha.</p> | |

| Vhiki 38 Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | nkumbetelo wa nkarhi |
| 1.7 Ku hlanganisa na ku susa | <p>• Ku ololoxa swiphiko swa rito (switori swa tinhlayo) leswi ngenhisaka nomboro ya 10 hi nomo</p> <p>Swanomo : : Hlayela minchumu ya masiku hinkwawo ku fika ka 10 Hlayela emahlweni na le ndzhaku ku fika ka 10.</p> <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala.....YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 10 A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> <p>Swikombiso:</p> <ol style="list-style-type: none"> 1. A ku ri na 5 wa vanhwana ekamareni. Ku nghena van'wana va 5. Xana I vangani va nga kona sweswi? 5 na 5 → 10. 2. Hlayela 7 wa swo hlayela hi swona. Engetela swimbirhi. Engetela xin'we. I swingani hinkwaswo? 7 na 2 na 1 → 10. 3. A ku ri na 10 wa swo hlayela hi swona etafuleni. Ku sale 4 ntsena. Xana ku susiwe swingani? 10 u susa 6 → 4. 4. U na 10 wa timavuri. Susa 3. Xana ku sala tingani? 10 u susa 3→7 5. U endle 10 wa makhekhe. U xavise 2 wa makhekhe. Xana u salele hi mangani? | | Siku rin'we |
| 3.1 Xiyimo, ndzetelo na mathelo | <p>• Ku landzelela swiletelo swa mathelo kumbe swo ku yisa etlilasi</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a byela vadyondzi ku yima endzhaku ka tilasi (nyangwa wu kombisa emahlweni ka tilasi) - Mudyondzisi a byela vadyondzi ku yima ethelo rin'we ra tilasi/ ethelo lerin'wana ra tilasi. - Mudyondzisi a byela vadyondzi ku yima emahlweni ka tilasi. <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <p>Mipfumawulo yi na nhlamuselo.</p> <p>Vadyondzi va yingisela:</p> <ul style="list-style-type: none"> - Bele - Xitswiriri - Xichayachayana xa vuyimbeleri. - Bananisa tibuloko timbirhi | | Siku rin'we |
| | | <p>Swo hlayela hi swona</p> <p>bele Xitswiriri Xichayachayana xa vuyimbeleri Tibuluko timbirhi ta mapulanga</p> | |

| <p>Vhiki 38</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>3.1</p> <p>Xiyimo, ndzetelo na matihelo</p> <p>Tinotsi to hlamusela</p> <p>Vadyondzi va pfala mahlo ya vona va lemuka mpfumawulo wa bele, kumbe xitswiriri kumbe xichayachayana xa vuyimbeleri..</p> <ul style="list-style-type: none"> - Vadyondzi va pfala mahlo va kombisa laha mpfumawulo wu humaka kona. Va nga sungula va hoxa bini bege eka thielo leri huwa yi taka hi kona kutani endzhaku va vula laha huwa yi taka hakona xik. Emahlweni ka tiliasi, ekusuhi na khona ya buku sw. na sw. - Mudyondzi a lerisa 4 wa vadyondzi ku yima hi thielo ra khumbi ra tiliasi, 4 wa vadyondzi eka mune wa matihelo ya tiliasi, un'wana na un'wana ari na xichayachayana xo hambana (bele, xitswiriri, xichayachayana xa vuyimbeleri na tbuloko timbirhi) - Mudyondzi a komba hi voko ra yena vadyondzi lava faneleke ku ba huwa hi xichayachayana xik. bele ntsena. - Tiliasi hinkwayo yi komba laha mpfumawulo wu taka hi kona hi ku komba thielo ra kona xik. Ra bele. - Ku tiyisisa nongoti wa ximatsi na xinene, ttherisa vadyondzi vambirhi lava yimeke emahlweni na le ndzhaku ka tiliasi va thhelela eka ntlawa hinkwawo. - Vuyelela ngingiriko lowu fanaka u pakanisa eka thielo leri mpfumawulo wu taka hi le ka rona ra ximatsi na xinene ethelo ra tiliasi. - Vadyondzi va ku: " ximatsi" loko mpfumawulo wu huma eka thielo ra ximatsi na "xinene" loko mpfumawulo wu huma thielo ra xinene. | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Bele Xitswiriri Xichayachayana xa vuyimbeleri Tbuluko timbirhi ta mapulanga</p> |
| <p>Ku tirhisa minchumu yo khomeka ya matihelo ma3</p> <ul style="list-style-type: none"> - Vadyondzi va tirhisa buloko xik. Susa buloko ekusuhi na xitulu <ul style="list-style-type: none"> o Fambisa xi ya endzhaku / Fambisa xi ya emahlweni. o Yima ethelo ra xinene ra xitulu / Yima ethelo ra ximatsi ra xitulu. - Yima exikarhi ka switulu swimbirhi. - Hlawulatintangu ku ya hi ku i ya ximatsi na xinene <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matihelo ma2</p> <p>Vadyondzi va hetisa phepha ro tirhela eka rona va tirhisa khirayoni ku dirowa ntila exikarhi xik.</p>  | <p>Phepha ro tirhela na khirayoni</p> |

| <p>Vhiki 38</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etiliasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>nkumbetelo wa nkarhi</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
| <p>4.2</p> <p>Vunavi bya mpfhuka</p> | <p>Chati ya vulehi</p> <p>Thepi yo pima</p>  |
| <p>Tinotsi to hlamusela</p> <p>Ku pimanisa na ku xaxameta minchumu hi ku tirhisa ntivomarito hi mfanelo ku hlamusela vulehi</p> <ul style="list-style-type: none"> • Pima vulehi bya vadyondzi ni thepe yo pima hi yona <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Languta eka kotara yo sungula na ya vunharhu laha vulehi bya vadyondzi byi pimiweke hi mavoko ku tirhisiwa chati ya vulehi - Pima ku leha ka vadyondzi nakambe - Mudyondzisi a veka thepi yo pima ekusuhi na swifaniso swa mavoko eka chati ya vulehi. - Vulehi bya vadyondzi byi tihela byi pimiwa. - Lemukisa vadyondzi leswaku ku tirhisiwa xo pima lexi ringanisiweke naswona leyi hi yona leyi manana a yi tirhisa loko a endla marhoko. - Sweswi a va ha lehanga ku ringana 10 wa mavoko kambe hi ku leha ka mitara, mitara yin'we yi ringana na 10cm hi ku leha. - Vadyondzi va nga pimanisa vulehi bya vona. I mani wo leha ngopfu/ wo koma ngopfu etiliasini? <p>Ku tirhisa minchumu ya swivumbeko swo khomeka swa mathelo ma3</p> <ul style="list-style-type: none"> - Vadyondzi va etlela efulurini, lavan'wana va vekela tibuloko to aka (to ringana) hi ntila ethelo ka miri wa mudyondzi. - Mudyondzisi a nyika xileriso: "Endla xo karhi lexi nga leha/koma ku tilula xa munghna wa wena." | |


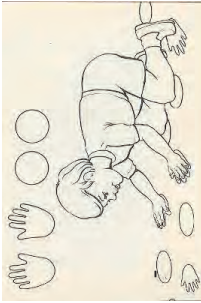
| <p>Vhiki 39</p> <p>Nkharhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasin (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Tiyisisa nhlamuselo ya 10 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 10 Hlayela emahliweni na le ndzhaku ku fika ka 10. Ku hlayela hi ku swi bela enhlokweni 0-10</p> <p>Tiyisisa ku hlayela ka odinali.</p> <p>Mudyondzisi a paka 6 wa minchumu hi nxaxamelo. Komba nchumu wun'wana na wun'wana u ri karhi u hlayela xo sungula, xa vumbirhi, xa vunharhu, xa vumune, xa vuntlhanu, xa vutsevu.</p> |
| <p>Tiyisisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 10</p> <p>A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Tinsimu ta tinomboro na swinsin'wana</p> |
| <p>Ku dyondza hi ku tirhisa swirho</p> <p>Pfumelela vadyondzi va:</p> <ul style="list-style-type: none"> - Vula xinsin'wana xa tinomboro u tirhisa tintiho ta khume - Hlayela leswaku mudyondzisi u be ka ngani etafuleni kutani u n'wi encenyeta. - Phokotela mavoko ku ringana ka 10. - Hlayela hi ku landzelela ku ba ka xigubu loko vadyondzi va rhelela eswitepisini, va tula va nghena va huma eka hupisi. - Bana ehansi u fambisana na ku ba ka xigubu. - Khume wa vadyondzi va yima exirhendzevutananani ku ri na basikiti exikarhi un'wana na un'wana a ri na bini bege. Vadyondzi a va hoxi tibini bege ebasikitini, va ya emahliweni ku fika eka 10. Vadyondzi va hlayela va ri karhi va huwelela loko va hoxa. Vuyelela nghingiriko lowu ku fikela laha vadyondzi va veke na xiawe hinkwawo. | <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> <p>Bini bege na basikiti</p> |

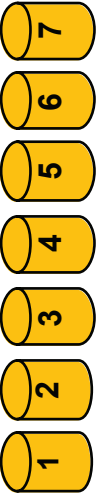
| <p>Vhiki 39</p> <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasinini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 migingiriko ya Matematiki hi vhiki)</p> | <p>Nkumbetelo wa nkarhi</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa mathelo ma2</p> <p>Ava vadyondzi hi mintlawa leyitsongo.</p> <p>Mudyondzisi a nyika vadyondzi xiphazamiso (phazili) xa tinomboro.</p> <p>Vadyondzi va tikumela na ku lavisa hinkwaswo leswi nga kotekaka.</p> <p>Vadyondzi va nga hoxa madayizi ku kumisisa nomboro ya xiphazamiso lexi a va nga 'xi akaka.</p> |
| <p>6</p> <p>6 wa swifaniso</p> <p>Mbirhi</p> <p>2</p> <p>ntlhanu</p> <p>5</p> <p>5 wa Minchumu</p> <p>1 2 3 4 5</p> <p>3 2 1</p> <p>4 3 2 1</p> | <p>Switirhisiwa leswi bumabumeriweke</p> <p>Endla xiphazamiso lexi nghenisaka tinomboro ta 1 ku fika eka 10.</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 misingiriko ya Matematiki hi vhiki) | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 39</p> <p>1.13 Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <ul style="list-style-type: none"> Ku tiyisisa ku hlanganisa na ku susa hi tinhlamulo leti fikaka eka 10 <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 10 Hlayela emahlweni na le ndzhaku ku fika ka 10.</p> <p>Tiyisisa ku hlayela hi va mbirhi u tihisa swinsin'wana swa ncino.</p> <p>Tiyisisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala..... YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 10 A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> <p>Ku dyondza hi ku tihisa swirho</p> <ul style="list-style-type: none"> Mudyondzisi a vitana 5 wa vadyondzi emahlweni, a ya emahlweni a engetela hi un'we ku fika ka 10. Vadyondzi va hlaya hi ku huwelela. <ul style="list-style-type: none"> 5 na 1 → 6. (Huwelela: ntlhanu na n'we swi hi nyika tsevu) 6 na 1 → 7. 7 na 1 → 8. 8 na 1 → 9. 9 na 1 → 10. Mudyondzisi a tihisa vadyondzi endzhaku kutani vadyondzi va hlayela ku suka endzhaku. <ul style="list-style-type: none"> 10 u susa 1 → 9 9 u susa 1 → 8 10 u susa 2 → 8 | <p>Tinsimu ta tinomboro na swinsin'wana</p> | <p>Siku rin'we</p> |
| | <p>Ku tihisa minchumu yo khomeka ya matihelo ma3</p> <p>Vadyondzi va tshama emeteni. Mudyondzi un'wana na un'wana a va na swo hlayela hi swona swa 10 na xipfalo xa pulasitiki.</p> <p>Vadyondzi a va landzeleli swileriso leswi:</p> <ul style="list-style-type: none"> Paka 6 wa swo hlayela hi swona eka xipfalo xa wena. Engetela 4. I swingani hinkwaswo? 6 na 4 → 10 Paka 10 ya swo hlayela hi swona. Susa 5. Xana ku sale swingani? na sw. na sw. | <p>10 wa swo hlayela hi swona swa mudyondzi un'wana na un'wana</p> <p>Swipfalo swa pulasitiki xik. xipfalo xa xikhomelo (khontheni) xa ayisikhirimu.</p> | |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Vhiki 39</p> <p>1.13 Ku hlanganisa na ku susa</p> | <p>Tinotsi to hlamusela</p> <p>Minchumu yo ka yi nga hetisekangi ya swivumbeko kumbe swifaniso swa matihelo ma2</p> <ul style="list-style-type: none"> - Hlayela 8 wa minchumu leyi nga eka khadi ra xifaniso. Loko wo engetela khadi ra xifaniso leri nga na 2 wa minchumu, I yi ngani leyi u nga na yona sweswi? - 8 na 2 → 10. Paka nhlayo ya swo hlayela hi swona leyi fanaka. - Hlayela 10 wa minchumu leyi nga eka khadi ra xifaniso. Loko u pfala 3 wa minchumu, xana u vona yingani? 10 u susa 3. 10 u susa 3 → 7. Paka nomboro ya swo hlayela hi swona leyi fanaka. | <p>Makhadi ya swifaniso ya swikombakombana leswi nghanisaka tinomboro 1 ku fika 10</p> <p>Swo hlayela hi swona</p> | |
| <p>1.4 Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <ul style="list-style-type: none"> • Pimanisa nhlangelo wa swimbirhi leswi nyikiweke ku kuma lexi: - tlulaka ka - nga ehansi ka (switsongo) - ringana na (fana na) <p>Swanomo : Hlayela minchumu ya masiku hinkwawo ku fika ka 10</p> <p>Hlayela emahiweni na le ndzhaku ku fika ka 10. Tirhisa swinsin'wana swa tinomboro na swinsin'wana.</p> <p>Tiyisa ku hlayela hi va mbirhi u tirhisa swinsin'wana swa tinomboro.</p> <p>Tiyisa minongoti ya “swo tala na switsongo”</p> <p>Phokotela mavoko ko tala.....YIMA.</p> <p>Phokotela mavoko katsongo. Mudyondzisi a phokotela mavoko ku ringana ka 10</p> <p>A vutisa xivutiso xa leswaku u phokotele kangani ko tala/ kutsongo.</p> <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> - Mudyondzisi a veka 6 wa vadyondzi endzeni ka hupisi na 4 wa vona eka hupisi leyi'wana. - Mudyondzisi a vutisa: Xana ku na vadyondzi vo tala, vatsongo kumbe nomboro leyi fanaka ya vadyondzi eka hupisi yin'wana na yin'wana? - ” Vadyondzi va komba hupisi leyi nga na “ ku tlula ka” “ ehansi ka” na “ fana na” nomboro ya vadyondzi. | | <p>Siku rin'we</p> <p>2 wa tihupisi</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingingiriko ya Matematiki hi vhiki) | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 1.4 Hlamusela, pimanisa na ku xaxameta tinomboro | <p>Tinotsi to hlamusela</p> <p>Switirhisiwa leswi khomekaka swo hetiseka swa matlhelo ya 3</p> <ul style="list-style-type: none"> - Veka 10 wa swo hlayela hi swona, 6 wa swo hlayela hi swona na 4 wa swona etafuleni. - Handle ka ku hlayela kumbetela nomboro ya swo hlayela hi swona/tibuloko etafuleni. - Mudyondzisi a vutisa: "Xana ku na swo hlayela hi swona swo tlula 7?" "xana swi nga va swi ringana, swo tlula ka, swo va hansi ka, swo va switsongo ka, swi ringanerile, a swi ringanaka." - Mudyondzisi a ku : "Kamba nhlamulo ya wena hi ku hlalaya swo hlayela hi swona." "Xana nkumbetelo wa wena a wu ri kusuhi?" <p>Ku tirhisa swivumbeko kumbe swifaniso swo ka swi nga hetisekangi swo khomeka swa matlhelo ma2</p> <ul style="list-style-type: none"> - Mudyondzisi a kombisa makhadi mambirhi lama nga na nomboro ya mathonsi yo hambanahambana na swifaniso eka wona. - Vadyondzi va pimanisa makhadi lama nga na swifaniso na mathonsi na ku kombisa minongoti ya ku tlula ka", ehansi ka, na ringana na. | Swo hlayela hi swona | |
| | | Makhadi mambirhi lama nga na nomboro ya mathonsi na swifaniso hambanahambana. | |

| <p>Vhiki 39</p> | <p>Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etlilasi (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki)</p> | |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Nhlokomhaka</p> | <p>Tinotsi to hlamusela</p> | <p>Switirhisiwa leswi bumabumeriweke</p> |
| <p>3.1 Xiyimo, ndzetelo na mathelo</p> | <p>Hlamusela minchumu yimbirhi kumbe ku tlula ya mathelo ma3</p> <ul style="list-style-type: none"> Tiyisa Ximatsi na Xine <p>Ku dyondza hi ku tirhisa swirho</p> <ul style="list-style-type: none"> Mudyondzisi a veka nkandziyiso wa mikondzo ya xine na ximatsi etlilasi hinkwayo.  <ul style="list-style-type: none"> Vadyondzi va kasa hi voko na tsolo leri fanaka va famba hi nkarhi wun'we. Famba ehenla ka yona xikombiso loko va ya eka xikotola/bavhu ro hlambela.  <p>Mudyondzisi a boha xiphemu xa wulu yo tshwuka eka xandla xa xine na ximatsi xa mudyondzi un'wana na un'wana.</p> <p>Mudyondzisi a nyika swileriso.</p> <ul style="list-style-type: none"> Tlakusa nenge wa ximatsi. Veka nkondzo wa wena wa xine exitulwini. Khumba tsolo ra ximatsi hi xikokola xa wena xa xine. Koka ndleve ya wena ya ximatsi hi voko ra wena ra xine. Veka voko ra xine eka katla ra wena ra ximatsi na voko ra wena ra ximatsi eka katla ra wena ra xine hi nkarhi wun'we. Tivukarhi (U hingakanya ntila wa le xikarhi). | <p>Nkumbetelo wa nkarhi</p> <p>Siku rin'we</p> <p>Phepha ra nkandziyiso wa mikondzo ya "ximatsi" na "xine"</p> <p>Xiphemu xa wulu yo tshwuka.</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Ngingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etililasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------|
| Vhiki 39 | Nkumbetelo wa nkarhi | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| <p>Nhiokomhaka</p> <p>3.1 Xiyimo, ndzetelo na mathelo</p> | <p>Tinotsi to hlamusela</p> <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Mudyondzisi a veka 7 wa mathini etafuleni. - Vadyondzi va vula leswaku hi yihi nomboro leyi nga eka ximatsi xa nomboro 3, hi yi nomboro leyi nga exineneni xa nomboro 6, hi yihi nomboro leyi nga exikarhi ka 3 na 6. - Hi yihi nomboro leyi sungulaka na leyi hetelelaka.  <ul style="list-style-type: none"> - Mudyondzisi a veka 3 wa swipopanaswimovhana leswi nga na swiambalo kumbe muhlovo lowu hambanisekaka etafuleni: - A vutisa swivutiso swo tanihi: <ul style="list-style-type: none"> o Hi xihhi xipopana/movha wun'we lowu nga eka ximatsi? o Hi xihhi xipopana /movha lowu nga exineneni? o Hi xihhi xipopana /movha lowu nga exikarhi? o Hi xihhi xipopana/movha wo sungula/hetelela? <p>Minchumu yo ka yi nga hetisekangi ya swivumbeko kumbe swifaniso swa mathelo ma2</p> <ul style="list-style-type: none"> - Hi nkarhi wa swa Vutshila bya swo Voniwa vadyondzi va endla minkandziyiso hi pende va tirhisa voko ra ximatsi na ra xinene. - Tsema u damarheta ephepheni u kombisa nkondzo wa ximatsi na xinene. | <p>Mathini lawa ma nomboriweke</p> <p>Swipopana kumbe swimovhana swinharhu</p> | |
| <p>2.1 Tipatironi ta xJometiri</p> | <ul style="list-style-type: none"> • Tumbuluxa patironi ya wena n'wini <p>Ku tirhisa minchumu yo khomeka ya mathelo ma3</p> <ul style="list-style-type: none"> - Vadyondzi va sungula ku kopa tipatironi eka tipatironi leti nyikiweke. - Eku heteleleni vadyondzi va ta tumbuluxa tipatironi ta vona vini na ku ti hlamusela.  | <p>Swivumbeko na makhadi ya tipatironi</p> | <p>Siku rin'we</p> |

| Nkarhi lowu ringanyetiweke wo dyondzisa : Nghingiriko wun'we wo kunguhatiwa lowu rhangeriwekehi mudyondzisi etillasini (nkarhi wo endla swo karhi) wa ± 30 wa timinete hi siku (± 5 mgingiriko ya Matematiki hi vhiki) | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------|
| Nhlokomhaka | Tinotsi to hlamusela | Switirhisiwa leswi bumabumeriweke | Nkumbetelo wa nkarhi |
| 2.1 Tipatironi ta xiJometiri | Ntirho wa phegibodo Pfumelela mudyondzi a sungula ku tirhisa voko ra yena ra xinene ku landzela ra ximatsi, ku landzela mavoko hinkwawo ku veka tiphegi eka phegibodo. - Mudyondzisi a byela vadyondzi laha va faneleke ku veka tiphegi ta vona. <ul style="list-style-type: none"> o Eka nxaxamelo wa le henhla o Eka nxaxamelo wa le hansa o Etihelo ra ximatsi. o Etihelo ra xinene. o Exikarhi. Pfumelela vadyondzi va: <ul style="list-style-type: none"> - Va endla swivumbeko eka phegibodo hi tiphegi ta mihlovohlovo. - Mudyondzisi a endla patironi yo olova hi tiphegi leti nga eka phegibodo ya yena kutani vadyondzi va kopa eka tiphegibodo ta vona. | Tiphegibodo Tipatironi leti vadyondzi va nga ta kopa eka tona. | |

| Vhiki 40 | Tirhisa vhiki ra vu 40 ku tirhana na ku tsana ka ku twisisa na/kumbe swirhangalanyi swo dyondza leswi kumiweke. | Swilaveko swa makambelelo |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Vundzeni</p> <p>Tinomboro, Tioparexini na Vuxaka</p> | <p>Nhlokomhaka</p> <p>1.1</p> <p>Ku hlayela minchumu</p> | <p>Pimanyeta na ku hlayela hi ku swi bela enhlokweni ku fika eka 10. (tinsimu ta tinomboro ti katsiwiile ku tumbuluxa nongoti wa nomboro.)</p> <p>Hlayela endzhaku na le mahiweni (0-10)</p> <p>Hlayela hi va mbirhi (tinsimu ta tinomboro na swinsin'wana)</p> <p>Twisisa minongoti ya “swo tala na switsongo” (ku phokotela)</p> <p>Twisisa leswaku i ku phokotela kwihi ku nga tala/ kuntsongo</p> <p>Kombisa makhadi ya swifaniso swa tinomboro kumbe tidoto ku suka eka 0 -10</p> <p>Tiva Mimfungho ya tinomboro 8, 9, 10 na 0 na</p> <p>Ku lemuka mavito ya tinomboro nhungu, kaye na khume na ziro</p> <p>Hetisa ndzandzelelano wa tinomboro ku suka eka 1-10.</p> <p>Lemuka na ku kombisa tinomboro leti nga eka mbangu lowu nga toloveleka xik: vukhale, rhijisitara.</p> <p>Hambanisa exikarhi ka swo tala, leswitsongo, ringana na, swo tala ngoptu, swo ka swi nga ri ehansi ka nomboro 10</p> <p>Twisisa tinomboro ta odinali – xosungula, xa vumbirhi, xa vunharhu, xa vumune, xa vuntlanu na xa vutsevu.</p> <p>Ku tirhisa switirhisiwa leswi khomekaka</p> |
| | <p>1.4</p> <p>Hlamusela, pimanisa na ku xaxameta tinomboro</p> | <p>Hlamusela miehleketo ya wena hi marito na hi swo dirowiwa kumbe switirhisiwa leswi khomekaka.</p> <p>Ku ololoxa swiphiko swa ku hlanganisa na swiphiko swo susa leswi ngenhisaka tinomboro to fika ka10</p> |
| <p>Tipatironi na Tifankixini</p> | <p>1.6</p> <p>Tithekiniki to ololoxa xiphiko xa tinhlayo</p> <p>1.7 / 1.13</p> <p>Ku hlanganisa na ku susa</p> <p>2.1</p> <p>Tipatironi ta xiJometiri</p> | <p>Ku kopa, ndlandlamuxa na ku tumbuluxa patironi to twiwa ta vona vini.</p> <p>Twisisa ntlangu “tsheretshere”</p> |
| <p>Ndhawu na Xivumbeko (Jometiri)</p> | <p>3.1</p> <p>Xiyimo, ndzetelo na matihelo</p> <p>3.2</p> <p>Minchumu ya matihelo ma3 na</p> <p>3.3</p> <p>Swivumbeko swa matihelo ma2</p> <p>3.4</p> <p>Ndzinganiso</p> <p>4.2</p> <p>Vunavi bya mpfuka</p> | <p>Ku tiva minongoti ya kusuhi, xikarhi ka na xikarhi, ximatsi na xinene.</p> <p>Twisisa minongoti ya : emahiweni na le ndzhaku, henhla na le hansi, ximatsi na xinene.</p> <p>Ku kota ku aka xiphazamiso xa swiphemu leswi nga ri ki ehansi ka 24</p> <p>Ku lemuka na ku kombisa xirhendzevutana yinhlanharhu, xikwere na yinhlamune</p> <p>Lemuka ndzingano wa mintila eka minchumu.</p> <p>Ku twisisa leswaku minchumu yo karhi yi nga pimiwa hi ku tirhisa thepe yo pima.</p> |
| <p>Mpimo</p> | | |

| | | |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <p>Matirhiselo ya vuxokoxoko bya Tinhlayo</p> | <p>5.1</p> <p>Ku hlengeleta na ku ava minchumu ku ya hi swihlawulekisi swo karhi</p> | <p>Ku kota ku hlengeleta, ava ku ya ya hi swihlawulekisi, dirowa, hlaya na ku xopaxopa minchumu ku ya hi swihlawulekisi.</p> |
| | <p>5.2</p> <p>Ku hlamusela nhlengelo wa minchumu leyi hlawuriweke ku ya hi swihlawulekisi swo karhi</p> | |
| | <p>5.3</p> <p>Ku kanela na ku vika hi nhlengelo wa minchumu leyi aviweke ku ya hi swihlawulekisi</p> | |

XIYENGE XA 4: MAKAMBELELO

4.1 MANGHENELO

Makambelelo i ku yisa emahlweni, maendlelo lama kunguhatiweke ya ku kombisa, ku hlengeleta na ku hlamusela mahungu mayelana na matirhelo ya vadyondzi hi ku tirhisa tindlela to hambanahambana ta makambelelo. Ya katsa magoza ya mune:

- Ku tumbuluxa na ku hlengeleta vumbhoni bya matirhelo
- Ku hlela vumbhoni lebyi
- Ku rhekhoda leswi kumiweke
- Ku tirhisa mahungu lawa ku twisisa kutani ku pfuniwa mudyondzi eka ku ndlandlamuka ka yena hi xikongomelo xo antswisa madyondzelo na madyondziselolo

Makambelelo ya fanele ku va ya nkamafundza (makambelelo yo dyondza) na ya mafundzha (makambelelo yo dyondza). Eka makambelelo hi mambirhi, xivikontsundzuxo xi fanele ku nyikiwa nkarhi na nkarhi eka vadyondzi ku kurisa ntokoto wo dyondza

Eka Xiyimo xa Masungulo, maqhinga lamakulu ya makambelelo ya mafundza na ya nkamafundza i ku valanga hi mudyondzisi, nkanelo hi makambelelo ya Swanomo, ku kombisa hi ku endla na ku rhekhoda hi ku tsala. Makambelelo ya le ka giredi ya Vuamukelo (giredi ya V) ya fanele ku tata makambelelo ya Swanomo na yo kombisa hi ku endla.

4.2 MAKAMBELELO YA NKAMAFUNDZA KUMBE MAKAMBELELO YA SIKU NA SIKU

Makambelelo yo dyondza i maendlelo yo yisa emahlweni ku hlengeleta mahungu mayelano na vuswikoti bya mudyondzi. Leswi swi tlhela swi vuriwa makambelelo ya nkamafundza. I ku monithara ku humelela ka mudyondzi ka siku na siku. Leswi swi endlwa hi ku valanga, minkanerisano, ku kombisa hi ku endla, ku burisana ka le tlilasini ka nkamafundza, sw.na.sw.. Makambelelo a ya fanelanga ku hambanisiwa na migingiriko yo dyondza leyi humelelaka etlilasini. Makambelelo ya nkamafundza ya nyika nkarhi eka mudyondzisi ku monithara ku humelela ka mudyondzi na ku va nyika swiletelo siku na siku. Makambelelo ya nkamafundza ya tirhisiwa ku:

- Ku nyika xivikontsundzuxo
- Ku letela makunguhatelo ya madyondziselolo

Eka minkarhi yin'wana, mudyondzi a nga tshama na nongonoko wo kambela kumbe a tirhisa xedulu yo xiyisisa tanihi ndlela yo rhekhoda ku humelela ka vadyondzi. Minkarhi yin'wana, vadyondzi kumbe mudyondzisi a nga maka xitoloveto swa vadyondzi. Hambiswiritanao, makambelelo ya nkamafundza a ya rhekhodiwi tanihi ntirho wa mafundza lowu nga tirhiwa hi vadyondzi. Mbuyelo wa makambelelo ya nkamafundza a wu tirhisiwi ku pasisa no nyika xitifikhethi eka mudyondzi.

4.3 MAKAMBELELO YA MAFUNDZA

Mintirho hinkwayo yo kambela leyi endlaka nongonoko wo kambela wa lembe yi tekiwa yi ri ya Makambelelo ya Mafundza. Mintirho ya Makambelelo ya Mafundza ya makiwa na ku rhekhodiwa swa mafundzha hi mudyondzisi ku tirhisiwa eka ku pasisa no nyika xitifikhethi xa mudyondzi. Makambelelo ya mafundza ya nyika mudyondzisi ndlela yo olova yo hlela leswi vadyondzi va humelerisaka swona eka giredi na le ka dyondzo yo karhi.

Mudyondzisi a nga xiya ntsena vadyondzi va 10 hi nkarhi, kutani mintirho ya makambelo ya mafundzha yi nga endlwa eka mintlawa leyintsongo nakona yi nga teka masikunyana ku kambela tlilasi hinkwayo. Minchumu na switirhisiwa hinkwaswo lewi vadyondzi va talaka ku swi tirhisa swi fanele ku tshama swi ri karhi swi kumeka (swi-hlayelo, tichati ta tinomboro, sw. na sw.).

Tindlela ta makambelelo leti tirhisiwaka ti fanele ti fambelana na malembe na levhele ya matwisiselo ya vadyondzi.

Makambebelelo ya mafundza ya fanele ya ngenhisa vunavi bya swa miehleketo na vuswikoti bya vadyondzi. Matumbuluxela kumbe masetelo ya mintirho leyi ya fanele ku fikelela vundzeni bya dyondzo hi tindlela to hambanahambana.

Tindlela to hambanahambana ta makambebelelo (ku valanga, ku kambelelo hi Swanomo, yo kombisa hi ku endla na yo tsala) ya fanele ku tirhisiwa ku nyika mudyondzi un'wana na un'wana nkarhi wo kombisa leswi a nga swi endlaka. Leswi swi endlwa hikuva vadyondzi van'wana va kota ku komba hi ku olova leswi va swi tivaka hi tindlela tin'wana ta makambebelelo. Xikombiso,

- Vadyondzi van'wana Ihlawula va kombaka ku tikeriwa eka ku hlaya va kahle eka Matematiki.
- Vadyondzi van'wana va nga va va nga ri eka xiyimo xa kahle xa vuswikoti eka ririmi ro dyondza no dyondzisa.

Mintirho yo kambela eka Matematiki yi fanele yi katsa migingiriko na switoloveto leswi swi nga katseki swa ririmi nakona swi nga lawuleki hi ku hlaya, ku komba vuswikoti bya ntiyiso bya vadyondzi.

Hambiswiritano, ku fanele ku tekeriwa enhlokweni leswi swi kamberiwaka. Vutivi byin'wana na vuswikoti byi nga kamberiwaka kahle hi tindlela to karhi ta makambebelelo. Tindlela to hambana ta makambebelelo ti fanerile eka minongoti na vuswikoti leswi swi nga fanela eka tinhlokomhaka to hambana eka mintlawo yo hambana ya malembe. Swa pfuna ku tirhisa nongonoko wo xiyisisa ku kambela vadyondzi eka tigiredi ta le hansa. Tirhubiriki ti nga tirhisiwa ku hlela vuswikoti bya vadyondzi byo ololoxa swiphiko.

4.4 NONGONOKO WA MAKAMBELELO YA MAFUNDZA

Mintirho ya makambebelelo ya mafundza eka Matematiki yi katsa ku tlula nhlokomhaka yin'we eka Matematiki. Mintirho yo hlela ya lembe yi fanele ku katsa swiyenge hinkwaswo swa vundzeni na tinhlokomhaka kambe a hi hinkwaswo eka kharikhulamu leswi swi faneleke ku kamberiwaka hi mafundza kumbe ku nyika xiviko xa mafundza. Tinomboro, Matirhelo na Vuxaka bya tinomboro swi endlaka 60% ya Matematiki eka tigiredi ta R. Leswi swi vula leswaku 60% ya mintirho yo kambela ya mafundza eka kotara yin'wana na yin'wana na le ka lembe hinkwaro yi fanele ku kongomiswa eka Tinomboro, Matirhelo na Vuxaka bya tinomboro.

Ntirho wun'wana na wun'wana wa mafundza wo kambela a wu faneli ku voniwa wu ri ntirho wa xiendleko xa siku rin'we kumbe xikambelwana. Swihlawulekisi swin'wana swa ntirho swi nga kamberiwaka hi nkarhi wun'we, kambe yin'wana yi nga kamberiwaka hi minkarhi yo hambana. Xikombiso, loko vadyondzi va ri eku kamberiweni ka vuswikoti byo hlayela hi ku tlulatlula, vuswikoti bya vona bya ku endlaka leswi landzelaka byi nga kamberiwaka eka xitoloveto xin'we kumbe nkarhi wun'we.

- Ku hetisa mindzandzelelano yo hlayela
- Ku hlaya na ku tsala mimfungho ya tinomboro
- Ku hlayela.

Hambiswiritano, loko ntirho wo kambela wu ri na ku ololoxa xiphiko hi ku ntlawahata kumbe ku hlawula na ku kambela vuswikoti bya vadyondzi bya ku pima vundzeni, swi nga tala ku humelela leswaku swiyenge leswi swa Matematiki swi kamberiwaka eka minkarhi yo hambana.

4.5 KU RHEKODA NA KU VIKI

Ku rhekhoda i maendlelo laha mudyondzisi a tsalaka levhele ya matirhelo ya mudyondzi eka ntirho wo karhi wo kambela. Ya komba ku humelela ka mudyondzi eka ku fikelela vutivi hi laha byi andlariweke hakona eka Kharikhulamu na xitatimende xa Pholisi yo kambela. Tirhekhodo ta matirhelo ya vadyondzi ti fanele ku nyika vumbhoni bya ku humelela ka mudyondzi eka giredi yoleyo na ku lulamela ka yena ku ya eka giredi leyi landzelaka. Tirhekhodo ta matirhelo ya mudyondzi ti fanele ku tlhela ti tirhisiwa ku tiyisisa magoza ya vadyondzisi na vadyondzi eka ku dyondza na ku dyondzisa.

Ku viki i maendlelo yo tivisa matirhelo ya mudyondzi eka vadyondzi, vatswari, swikolo, na va'wana Ihlawula va nga na xiave eka ku dyondza na ku dyondzisa. Matirhelo ya mudyondzi ya nga vikiwa hi tindlela to hambanahambana. Leswi swi katsa makhadi ya swiviko, tinhlengeletano ta vatswari, masiku yo endzela swikolo, mbhurisano exikarhi

ka mudyondzisi na mutswari, ku fonelana, mapapila, mapapila ya mahungu ya tlilasi kumbe ya xikolo, sw.na.sw. Vadyodzisi eka tigarede hinkwato va fanele ku vika hi tipesente eka dyondzo yin'wana na yin'wana. Tilvhele to hambanahambana ta matirhelo na tibende ta tipesente leti ti fambelanaka na tona ti kombisiwile laha hansi:

Tikhodi na tipesente to rhekhoda no vika

| Khodi yo pima | Nhlamuselo ya vuswikoti | Phesente |
|---------------|--------------------------------------|----------|
| 7 | Vuswikoti bya le henhla ngopfu | 80 – 100 |
| 6 | Vuswikoti bya le henhla | 70 – 79 |
| 5 | Vuswikoti byo amukeleka | 60 – 69 |
| 4 | Vuswikoti byo eneta | 50 – 59 |
| 3 | Vuswikoti byo enelanyana | 40 – 49 |
| 2 | Vuswikoti bya le hansi | 30 – 39 |
| 1 | Vuswikoti byo ka byi nga fikelelangi | 0 - 29 |

4.6 KU ANGARHELA

Xitsariwa (Dokumente) lexi xi fanele ku hlayiwa xikan'we na:

4.6.1 *National policy pertaining to the programme and promotion requirements of national Curriculum statement Grades R-12; and*

4.6.2 The policy document, *National Protocol for Assessment Grades R-12*

4.7 XIKOMBISO XA MINTIRHO YO KAMBELA YA GIREDI YA V

Swikombiso swa minongonoko yo kambela swi nyikiwile laha hansi. Xikongomelo i ku pfuna vadyondzisi ku pulana na ku tirhisa makambeleo ya mafundza hi ndlela leyi yaka emahlweni.

| GIREDI YA V | | | | |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|
| Nongonoko wo kamba Makambeleo ya kotara ya 1 | | | | |
| Swiyenge swa vundzeni bya dyondzo | Vundzeni bya dyondzo | Swilaveko | √ kumbe x | Mavonelo |
| Tinomboro, Tioparexini na Vuxaka | Ku hlayela | Pimanyeta na ku hlayela hi ku swi bela enhlokweni ku fika eka 5 (tinsimu ta tinomboro ti katsiwile ku ndlandlamuxa minongoti ya nomboro) | | |
| | Ndzemuko wa nomboro | Ku lemuka tinomboro eka mbangu lowu nga toloveleka xik. vukhale, rhijisitara | | |
| | | Ku twisisa tinomboro ta odinali (xik. Hi nkarhi wa xihambukelo) | | |
| | Ntwisiso wa tinomboro | Ku twisisa leswaku nchumu wu yimela nomboro. (Chati ya vapfuni hi nkarhi wa swakudya) | | |
| | Kombisa na ku hlamusela tinomboroxiheri | Lemuka xifaniso xa nomboro na makhadi lama nghanisaka nomboro ya n'we | | |
| Ku tiva mfungho wa nomboro 1 Ku lemuka vito ra nomboro n'we | | | | |
| Ku ololoxa swiphiqu swa tinhlayo | Ku tirhisa switirhisiwa leswi khomekaka | | | |
| | Ku hlamusela miehleketo ya wena hi marito na hi ku dirowa kumbe hi switirhisiwa leswi khomekaka | | | |
| Tipatironi, Tifankixini na Alijebura | Kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta wena n'wini. | Ku komba tipatironi eka mbangu | | |
| | | Ku kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta yena n'wini | | |

| GIREDI YA V | | | | |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|
| Nongonoko wo kamba Makambebelelo ya kotara ya 1 | | | | |
| Swiyenge swa vundzeni bya dyondzo | Vundzeni bya dyondzo | Swilaveko | √ kumbe x | Mavonelo |
| Ndhawu na Xivumbeko (Jometiri) | Lemuka, komba na ku vula swivumbeko swa mathelo ma3 | Ku lemuka, komba na ku vula mavito ya tibolo Lemuka, komba na k uvula mavito ya mabokisi | | |
| | Ku lemuka, komba na ku vula swivumbeko/ swifaniso swa mathelo ma2 | Lemuka, kombisa na ku vula mfungho wa mavito ya yena, tintangha ta yena na vito ra tilasi | | |
| | | Aka xiphazamisa miehleketo lexi nga riki ehansi ka 6 wa swiphemu. | | |
| | | Komba vuswikoti byo hambanisa exikarhi ka” swa le mahlweni na swa le ndzhaku” | | |
| | Swivumbeko swa xiJometiri | Komba na ku lemuka xirhendzevutana | | |
| | | Komba na ku lemuka yinhlanharhu | | |
| | | Kombisa na ku lemuka xikwere | | |
| | Hlamusela, hlawula na ku pimanisa minchumu ya mathelo ma3 ku ya hi: | Pimanisa nhlengelo wa minchumu yimbirhi leyi nyikiweke loko yi ri yikulu, yikulu ngopfu, yitsongo na yitsongo ngopfu Hlawula minchumu hi: Sayizi - kulu na tsongo, Muhlovo – Mihlovo ya masungulo tshwuka, xitshopana, wasi) Xivumbeko – xirhendzevutana, yinhlanharhu na xikwere Minchumu leyi khungulukaka Minchumu leyi rhetetaka | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | Ku lemuka ntila wa ndzinganiso eka: | Ku lemuka ntila wa ndzinganiso eka wena n’wini | | |
| Vuxaka bya ndhawu: Xiyimo xa minchumu yimbirhi kumbe ku tlula leyi nga na vuxaka na mudyondzi. Mathelo | Ku tiva emahlweni/ndzhaku Ku tiva ehenhla ka, ehansi Ku tiva endzeni/ehandle Ku tiva henhla, hansi | | | |
| | | | | |
| | | | | |
| | | | | |
| Mpimo | Nkarhi | Ku tirhisa marito yo fana na nhlikanhi, vusiku, ku vonakala na munyama, mpundzu, ndzhenga, madyambu ku hlamusela nkarhi wa siku | | |
| | | Ku xaxameta swiendleko swa vutomi bya masiku hinkwawo (Nongonoko wa siku na siku) | | |
| | | Ku komba na ku lemuka masiku ya vhiki, tinguva na maxelo | | |
| | | Ku tiva masiku ya yena ya ku velekiwa | | |
| | Vunavi bya mpfhuka | Ku hambanisa exikarhi ka leha, lehanyana, leha ngopfu, koma, komanyana, koma ngopfu | | |
| Matirhiselo ya Vuxokoxoko bya Tinhlayo | Ku hlengeleta, ava, dirowa, hlaya na ku hlamusela (xopaxopa) Minchumu ku ya hi swi hlawulekisi | Ku kota ku hlengeleta, ava, dirowa, hlaya na ku hlamusela (xopaxopa) minchumu ku ya hi swihlawulekisi | | |

KU PIMA KA MAKUMU:

| GIREDI YA V | | | | |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|
| Nongonoko wo kamba Makambelelo ya kotara ya 2 | | | | |
| Swiyenge swa vundzeni bya dyondzo | Vundzeni bya dyondzo | Swilaveko | √ Kumbe x | Mavonelo |
| Tinomboro, Tioparexini na Vuxaka | Ku hlayela | Pimanyeta na ku hlayela hi ku swi bela enhlokweni ku fika eka 7 (tinsimu ta tinomboro ti katsiwile ku ndlandlamuxa minongoti ya nomboro) | | |
| | | Hlayela endzhaku na le mahlweni (1-4) | | |
| | | Ku twisisa minongoti ya “swo tala” na “switsongo” (Ku phokotela) | | |
| | Ndzemuko wa nomboro | Ku lemuka tinomboro eka mbangu lowu nga toloveleka xik. Nomboro ya yindlu, adirese, rhijisitara | | |
| | Komba na ku hlamusela tinomboroxiheri | Kombisa makhadi ya swifaniso na mathonsi | | |
| | | Ku tiva Mimfungho ya tinomboro 1, 2, 3,4 | | |
| | | Ku lemuka mavito ya tinomboro mbirhi, nharhu na mune | | |
| | Ntwisiso wa tinomboro | Ku twisisa leswaku nchumu wu yimela nomboro. (Chati ya vapfuni hi nkarhi wa swakudya) | | |
| | | Hambanisa exikarhi ka swo tala, switsongo, na ringana na, ku fika ka 4 | | |
| | | Ku lemuka swingwece swa mali swo hambanahambana swa Afrika Dzonga. | | |
| | Ku ololoxa swiphigo swa tinhlayo | Ku tirhisa switirhisiwa leswi khomekaka | | |
| | | Ku hlamusela miehleketo ya yena n’wini hi marito na hi swo dirowiwa kumbe Minchumu leyi khomekaka | | |
| Ku ololoxa swiphigo swo hlanganisa na ku susa ku fika ka nomboro 4 hi nomo | | | | |
| Tipatironi, Tifankixini na Alijebura | Kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta yena n’wini. | Ku kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta yena n’wini (Minchumu, swivumbeko na swingwece) | | |
| Ndhawu na xivumbeko (Jometiri) | Lemuka, komba na k uvula swivumbeko swa matlhelo ma2 | Ku aka kwalomu ka 12 wa swiphemu swa xiphazamiso | | |
| | | Ku komba vuswikoti byo hambanisa exikarhi ka Minchumu leyi “nga andlaleriwa emahlweni na leyi nga andlaleriwa endzhaku” (kambela nakambe) | | |
| | Swivumbeko swa xiJometiri | Ku lemuka, kombisa na ku vula yinhlantarhu | | |
| | | Ku twisisa xivumbeko xa yinhlantarhu (Nhlayiso wa swivumbeko) | | |
| | Hlamusela, ava ku ya hi swihlawulekisi swo karhi na ku pimanisa minchumu ya matlhelo ma3 ku ya hi: | Pimanisa nhlengelo wa Minchumu yimbirhi leyi nga leha/ leha ngpfu, koma/koma ngopf | | |
| | | Hlawula Minchumu hi sayizi – leha na koma | | |
| | | Mihlovo - (tshwuka, xitshopana, wasi na rihlaza) | | |
| | | Swivumbeko | | |
| | Aka minchumu ya matlhelo ma3 hi ku tirhisa switirhisiwa swo khomeka | Ku tlanga hi ku valanga tibuloko to aka | | |
| | Lemuka ntila wa ndzinganiso eka: | Lemuka ntila wa ndzinganiso eka wena n’wini na le ka mbangu | | |
| | | Ku kota ku hingakanya ntila wa ndzinganiso | | |
| | Vuxaka bya ndhawu | Ku twisisa xiyimo ya minchumu yimbirhi kumbe ku tlula leyi nga na vuxaka na mudyondzi | | |
| | Ehenhla ka, | | | |

| GIREDI YA V | | | | |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------|----------|
| Nongonoko wo kamba Makambeleo ya kotara ya 2 | | | | |
| Swiyenge swa vundzeni bya dyondzo | Vundzeni bya dyondzo | Swilaveko | √ Kumbe x | Mavonelo |
| Mpimo | Nkarhi | Ku twisisa masiku ya vhika, tinguva na chati ya ta maxelo (Tinsimu na swinsin'wana – kambela nakambe) | | |
| | | Ku tiva masiku yo velekiwa ya yena n'wini (Kambela na kambe) | | |
| | Vunavi bya mpfhuka | Hambanisa exikarhi ka leha ngopfu, koma ngopfu Chati ya vulehi) | | |
| Matirhiselo ya vuxokoxoko bya Tinhlayo | Hlengelela, ava ku ya hi swihlawulekisi swo karhi, dirowa, hlaya na ku hlamusela vuxokoxoko bya tinhlayo | Ku kota ku hlengelela, ava, dirowa, hlaya na ku hlamusela (xopaxopa) minchumu ku ya hi swihlawulekisi swo karhi,i | | |

KU PIMA KA MAKUMU:

| GIREDI YA V | | | | | |
|----------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--|
| Nongonoko wo kamba makambeleo ya kotara ya 3 | | | | | |
| Swiyenge swa vundzeni bya dyondzo | Vundzeni bya dyondzo | Swilaveko | √ Kumbe x | Mavonelo | |
| Tinomboro, Tioparexini na Vuxaka | Ku hlayela | Pimanyeta na ku hlayela hi ku swi bela enhlokweni ku fika eka (swinsin'wana swa tinomboro leswi leswi nghenisaka ndlandlamuxo wa minongoti) | | | |
| | | Hlayela endzhaku na le mahlweni (1-7) | | | |
| | | Ku tiva leswaku i ku phokotela ku ngani ku nga tala/ ehansi,ko tala ngopfu/loku tsongo | | | |
| | Ndzemuko wa tinomboro | Lemuka na ku kombisa tinomboro eka mbangu lowu nga toloveleka xik. vukhale,rhijisitara | | | |
| | Komba na ku hlamusela tinomboroxiheri | Kombisa swifaniso swa tinomboro na makhadi ya mathonsi ku suka eka 7 | Tiva mimfungo ya tinomboro 5, 6, 7 | | |
| | | | Ku lemuka mavito ya tinomboro ntlhanu, tsevu na nkombo | | |
| | | | Hambanisa exikarhi ka swo tala, ehansi, ringana, swo tala ngopfu na switsongo ku fika eka 7 | | |
| | Ntwisiso wa tinomboro | Ku lemuka muhlovo na swiharhi swo hambanahambana eka mali ya maphepha ya Afrika Dzonga | Ku lemuka muhlovo na swiharhi swo hambanahambana eka mali ya maphepha ya Afrika Dzonga | | |
| | | | Tirhisa switirhisiwa swo khomeka | | |
| | | | Hlamusela miehleketo ya wena hi marito na hi ku dirowa kumbe hi minchumu leyi khomekaka | | |
| Ku ololoxa swiphiqu swa tinhlayo | Ololoxa swiphiqu swa ku hlanganisa na ku susa ku fika eka 7 hi nomo | Ololoxa swiphiqu swa ku hlanganisa na ku susa ku fika eka 7 hi nomo | | | |
| | | | | | |
| Tipatironi, Tifankixini na Alijebura | Kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta wena n'wini. | Ku kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta wena n'wini hi ku tirhisa swifaniso | | | |

| GIREDI YA V | | | | |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------|
| Nongonoko wo kamba makambelelo ya kotara ya 3 | | | | |
| Swiyenge swa vundzeni bya dyondzo | Vundzeni bya dyondzo | Swilaveko | √ Kumbe x | Mavonelo |
| Ndhawu na xivumbeko (Jometiri) | Lemuka, komba na ku vula mavito ya swivumbeko/ swifaniso swa matlhelo ma2 | Kota ku aka xiphazamiso xa kwalomu ka 18 wa swiphemu | | |
| | Swivumbeko swa xiJometiri | Ku lemuka, kombisa na ku vula mavito ya swikwere Ku tswisisa ku nga cinci ka swivumbeko leswi dyondziweke ku fika sweswi. (Nhlayiso wa swivumbeko) | | |
| | Aka minchumu ya matlhelo ma3 hi ku tirhisa switirhisiwa leswi khomekaka | Ku aka hi xikombiso lexi nyikiweke Kopa muako ku suka eka nkhasiso kumbe khadi ra xifaniso | | |
| | Vuxaka bya ndhawu | Ku tiva xiyimo xa minchumu yimbirhi kumbe ku tlula leyi nga na vuxaka -emahlweni ka, ndzhaku ka, henhla ka, henhla, ehansi, kusuhi na, xikarhi, ximatsi na xinene. Ku endla swileriso swa phebodo | | |
| | Matlhelo | Ku tiva matlhelo eka chati ya miseve | | |
| | Mpimo | Vunavi bya mpfhuka | Pimanyeta na ku pima vunavi bya mpfhuka wa minchumu yo hambanahambana | |
| Ntiko | | Ku twisisa minongoti ya “vevuka, tika, vevuka ngopfu, tika ngopfu” | | |
| Vholumo | | Ku twisisa minongoti ya “ a ku na nchumu, tele, ku tlula ka, ehansi ka” | | |
| Matirhiselo ya vuxokoxoko bya Tinhlayo | Hlengelela, ava ku ya hi swihlawulekisi swo karhi, dirowa, hlaya na ku hlamusela vuxokoxoko bya tinhlayo | Ku kota ku hlengelela, ava, dirowa, hlaya na ku hlamusela (xopaxopa) minchumu ku ya hi swihlawulekisi swo karhi. | | |

KU PIMA KA MAKUMU:

| GIREDI YA V | | | | |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| Nongonoko wo kamba makambeleo ya kotara ya 4 | | | | |
| Swiyenge swa vundzeni bya dyondzo | Vundzeni bya Dyondzo | Swilaveko | √ Kumbe x | Swilaveko |
| Tinomboro, Tioparexini na Vuxaka | Ku hlayela | Pimanyeta na ku hlayela hi ku swi bela enhlokweni ku fika eka 10. (tinsimu ta tinomboro ti katsiwile ku tumbuluxa nongoti wa nomboro.) | | |
| | | Hlayela endzhaku na le mahlweni (0-10) | | |
| | | Hlayela hi va mbirhi (tinsimu ta tinomboro na swinsin'wana) | | |
| | | Twisisa minongoti ya “swo t ala na switsongo” (ku phokotela) | | |
| | | Ku twisisa leswaku i ku phokotela kungani ku nga tala/ kutsongo, tala ngopfu/ku tsongo ngopfu. | | |
| | Ndzemuko wa tinomboro | Lemuka na ku kombisa tinomboro leti nga eka mbangu lowu nga toloveleka xik: vukhale, rhijisitara. | | |
| | Komba na ku hlamusela tinomboroxiheri | Ku komba nomboro ya swifaniso na makhadi ya mathonsi ku suka eka 0-10 | | |
| | | Tiva mimfungho ya tinomboro 8, 9, 10 na 0 na | | |
| | | Ku lemuka mavito ya tinomboro nhungu, kaye na khume na ziro | | |
| | Ntwisiso wa tinomboro | Hambanisa exikarhi ka swo tala, leswitsongo, ringana na, swot ala ngopfu, swo ka swi nga ri ehansi ka nomboro 10 | | |
| Twisisa tinomboro ta odinali – xosungula, xa vumbirhi, xa vunharhu, xa vumune, xa vuntlhanu na xa vutsevu. | | | | |
| Ku ololoxa swiphigo swa tinhlayo | Ku tirhisa switirhisiwa leswi khomekaka | | | |
| | Hlamusela miehleketo ya wena hi marito na hi swo dirowiwa kumbe switirhisiwa leswi khomekaka. | | | |
| | Ku ololoxa swiphigo swa ku hlanganisa na swiphigo swo susa leswi ngenhisaka tinomboro to fika ka10 | | | |
| Tipatironi, Tifankixini na Alijebura | Kopa, ndlandlamuxa na ku tumbuluxa tipatironi ta yena n'wini. | Kopa, ndlandlamuxa na ku tumbuluxa tipatironi to twiwa ta yena n'wini | | |
| | | Twisisa ntlangu wa “tsheretshe” | | |
| Ndhawu na xivumbeko (Jometiri) | Lemuka, komba na ku vula mavito ya swivumbeko swa matlhelo ma2 | Ku kota ku aka xiphazamiso xa swiphemu leswi nga ri ki ehansi ka 24 | | |
| | Swivumbeko swa xiJometiri | Ku lemuka na ku kombisa xirhendzevutana yinhlanharhu, xikwere na yinhlamune | | |
| | Lemuka ntila wa ndzinganiso | Lemuka ndzingano wa mintila eka minchumu. | | |
| | Vuxaka bya ndhawu | Ku tiva minongoti ya kusuhi, xikarhi ka na xikarhi, ximatsi na xinene. | | |
| | | Ku kota ku endla ntirho wa phegibodo wa xiyimo xa le henhla | | |
| Matlhelo | Ku twisisa minongoti ya: emahlweni na le ndzhaku, henhla na hansi, vuhenhla na vuhansi, ximatsi na xinene. | | | |
| Mpimo | Vunavi bya mpfhuka | Ku twisisa leswaku minchumu yo karhi yi nga pimiwa hi ku tirhisa thepe yo pima. | | |
| Matirhiselo ya vuxokoxoko bya Tinhlayo | Hlengeleta, hlawula ku ya hi swihlawulekisi swo karhi, dirowa, hlaya na ku hlamusela vuxokoxoko bya tinhlayo | Ku kota ku hlangeleta, hlawula ku ya hi swihlawulekisi, dirowa, hlaya na ku xopaxopa minchumu ku ya hi swihlawulekisi. | | |

KU PIMA KA MAKUMU:

