

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

PEGELO YA PHOLISI YA KHARIKHULAMO LE TLHATLHOBO

MOPHATO R

DIPALO

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ISBN: 978-1-4315-0433-6

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

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KGAOLO 1: MATSENO LE LEMORAGO

1.1 LEMORAGO

Pegelo ya Kharikhulamo ya Bosetšhaba Mephato R - 12 (NCS) e tshalosa pholisi ya kharikhulamo le thathobo mo dikolong ka tlhomamo.

Go tokafatsa tiragatso e, Pegelo ya Kharikhulamo ya Bosetšhaba e ne ya mametlelelwa ka dimametlelelo tse di tla diragadiwang ka Ferikgong 2012. Tokomana e le nngwe e e sobokantsweng ya Pholisi ya Kharikhulamo le Tlathhobo ya serutwa se sengwe le se sengwe, e ne ya kwalwa go emisetsa Dipegelo tsa Dirutwa, Dikaedi tsa Lenaneothuto le Dikaedi tsa Tlathhobo ya Dirutwa Mephato ya R - 12 tsa bogologolo.

Pegelo ya Kharikhulamo ya Bosetšhaba ya Mephato R - 12 e e tlabolotsweng: Pholisi ya Kharikhulamo le Tlathhobo (Ferikgong 2012) e emisetsa Pegelo ya Kharikhulamo ya Bosetšhaba Mephato ya R - 9 (2002) le Pegelo ya Kharikhulamo ya Bosetšhaba Mephato ya 10 - 12 (2004).

1.2 THADISO

- (a) *National Curriculum Statement Grades R - 12 (Ferikgong 2012)* e emela pegelo ya pholisi ya go ithuta le go ruta mo dikolong tsa Aforika Borwa mme e na le tse di latelang:
- (i) Pegelo ya Pholisi ya Kharikhulamo le Tlathhobo ya serutwa sengwe le sengwe sa sekolo se se amogetsweng;
 - (ii) Pegelo ya Pholisi ya, *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12*; le
 - (iii) Pegelo ya Pholisi ya, *National Protocol for Assessment Grades R - 12 (Ferikgong 2012)*.
- (b) The *National Curriculum Statement Grades R - 12 (Ferikgong 2012)* e emela dipegelo tse pedi tsa kharikhulamo ya bosetšhaba tsa ga jaana, tsona ke:
- (i) *Revised National Curriculum Statement Grades R - 9, Government Gazette No. 23406 of 31 May 2002*, le
 - (ii) *National Curriculum Statement Grades 10 - 12 Government Gazettes, No. 25545 of 6 October 2003 and No. 27594 of 17 May 2005*.
- (c) Dipegelo tsa kharikhulamo tsa bosetšhaba tse di akanngwang go ka dirisiwa mo ditemanapotlana tsa (a) le (b) di na le dipegelo tsa pholisi tse di latelang tse di tla khutlisiwang ka tatelano ke *National Curriculum Statement Grades R - 12 (Ferikgong 2012) mo pakeng ya go tloga ka 2012-2014*:
- (i) Lekala la Thuto/Lenaneo la Serutwa, Dikaedi tsa Lenaneothuto, Dikaedi tsa Tlathhobo ya Dirutwa tsa Mephato R - 9 le Mephato 10 - 12;
 - (ii) Pegelo ya Pholisi ya *National Policy on assessment and qualifications for schools in the General Education and Training Band d*, e e tlhamilweng sešwa mo *Government Notice No. 124 in Government Gazette No. 29626 of 12 February 2007*;
 - (iii) Pegelo ya Pholisi ya the *National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF)*, e e tlhamilweng sešwa mo *Government Gazette No.27819 of 20 July 2005*;

- (iv) Pegelo ya Pholisi ya *An addendum to the policy document, the National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF)*, e e mabapi le barutwana ba ba nang le ditlhokego tse di kgethegileng, e e phasaladitsweng mo *Government Gazette, No.29466* of 11 December 2006, e akareditswe mo pegelong ya pholisi ya *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12*; le
- (v) Pegelo ya Pholisi ya *An addendum to the policy document, the National Senior Certificate: A qualification at Level 4 on the National Qualifications Framework (NQF)*, e e mabapi le *the National Protocol for Assessment (Grades R - 12)*, e e tllhamilweng sešwa mo *Government Notice No.1267* in *Government Gazette No. 29467* of 11 December 2006.
- (c) Pegelo ya Pholisi ya *National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R - 12*, le dikarolo tse di mo Pholiseng ya Khaikhulamo le Tlhatlhubo jaaka e akanngwang mo Dikgaolong 2, 3 le 4 tsa pegelo e, tse di agang melao le boleng jwa *National Curriculum Statement Grades R - 12*. Ka jalo go ya ka karolo 6A ya *South African Schools Act, 1996 (Act No. 84 of 1996)*, e aga motheo o Tona ya Thuto ya Motheo e ka tlhomamisang dipoelo tse di lekaneng tsa boleng, gammogo le thulaganyo le tsamaiso ya tlhatlhubo ya diphitlhelelo tsa barutwana e e ka dirisiwang mo dikolong tsa botlhe le mo dikolong tse di ikemetseng ka nosi.

1.3 MAITLHOMO A KAKARETSO A KHARIKHULAMO YA AFORIKA BORWA

- (a) *Pegelo ya Kharikhulamo ya Bosetšhaba Mephato R - 12* e tllhagisa kitso, dikgono le meetlo e e tshwanelwang ke go ithutiwa mo dikolong tsa Aforika Borwa. Kharikhulamo e ikaelela go netefatsa gore barutwana ba bona le go diragatsa kitso le dikgono ka ditsela tse di nang le bokao mo matshelong a bona. Mo ntlheng e, kharikhulamo e godisa kakanyo ya go tsepamisa kitso ka bokao jwa tikologo, e ntse e sisimoga (tsibogela) botlhokwa jwa lefatshe ka bophara.
- (b) Pegelo ya Kharikhulamo ya Bosetšhaba Mephato R - 12, e arabela maikaelelo a:
- go tlamela barutwana, go sa kgathalesege lemorago la ikonometri ya loago, lotso, bong, bokgoni jwa mmele kgotsa bokgoni jwa botlhale, le kitso, dikgono le meetlo tse di tlhokegang go ikgotsofatsa le botsayakarolo jo bo nang le bokao mo loagong jaaka baagi ba naga e e gololosegileng;
 - e tlamela phitlhelelo ya thuto e e kwa godimo;
 - go kaela phetogelo ya barutwana go tswa go thuto ya ditheo go ya go lefelo la tiro; le
 - go tlamela bathati ka tshedimosetso e e lekaneng ya dikgono tsa morutwana.
- (c) Pegelo ya Kharikhulamo ya Bosetšhaba Mephato R - 12 e ikaegile ka metheo e e latelang:
- *Phetogo ya loago*; e netefatsa gore go sa lekalekaneng mo go tsa thuto go go fetileng go a siamisiwa, le gore ditšhono tse di lekalekanang tsa thuto di neelwa baagi botlhe;
 - *Go ithuta go go tlhaga gape go tseneletse*, go rotloetsa molebo o o tlhaga e le o o tseneletseng mo thutong, boemong jwa go rutiwa ga go neelwa dinnete go se tlhaga e bile go sa tsenelela;
 - *Kitso e e kwa godimo le dikgono tse di kwa godimo*; bonnye jwa maemo a kitso le dikgono tse di tshwanetseng go fitlhelelwa mo mophatong o mongwe le o mongwe di totobaditswe le go beelwa seemo se se kwa godimo, seemo se se fitlhelegang mo dirutweng tsotlhe;

- *Tsweletso*; diteng le bokao jwa mophato o mongwe le o mongwe di supa tsweletso go tloga go e e bonolo go fitlha go e e gwethang tlhaloganyo;
- *Ditshwanelo tsa botho, boakaretsi, bosiamisi jwa tikologo le loago*; go tsenyeletsa melawana le ditlwaelo tsa bosiamisi jwa tikologo le loago le ditshwanelo tsa botho jaaka di tlhlosiwa mo Molaotheong wa Aforika Borwa. Pegelo ya Kharikhulamo ya Bosetšhaba Mephato R - 12. (Ka kakaretso) e bosisi mo dintlheng tsa dipharologano di tshwana le lehuma, go tlhoka tekatekano, lotso, bong, puo, kgolo, bogole le dintlha tse dingwe.
- *Go totobatsa botlhokwa jwa tsamaiso ya kitso ditso*; go lemoga ditiragalo (hisetori) le boswa jo bo humileng jwa naga e jaaka dintlha tse di botlhokwa tse di nonotshang meetlo e e leng teng mo Molaotheong; le
- *Go ikanyega, boleng le nonofo*; go tlamela thuto e e ka bapisiwang le ya dinaga tse dingwe ka boleng, go anama le boteng

(d) Pegelo ya Kharikhulamo ya Bosetšhaba Mephato R - 12 e ikaelela go tlhagisa barutwana ba ba kgonang go:

- lemoga le go rarabolola mathata gape ba tsaya ditshwetso ba akanya ka tsenelelo e bile ba na le boitlhamedi.
- dira ka katlego ba le bosii, kana ba na le ba bangwe e le karolo ya setlhopha;
- ithulaganya, go itsamaisa le go tsamaisa ditiro tsa bona ka boikarabelo le ka nonofo.
- kgobokanya, sekaseka, rulaganya le go tlhatlhoba tshedimosetso ka tsenelelo;
- tlhaeletsana ka nonofo ba dirisa dikgono tsa pono, matshwao kgotsa dikgono tsa puo mo mekgweng e e farologaneng;
- dirisa saense le thekenoloji ka nonofo le ka tsenelelo ba supa boikarabelo mo tikologong le mo boitekanelong jwa ba bangwe; le
- bontsha go tlhaloganya lefatshe jaaka thulaganyo ya ditsamaiso tse di amanang ka go lemoga gore dikaelo tsa tharabololo ya mathata ga di tlhagelele di le tsosi.

(e) Boakaretsi bo tshwanetse go nna karolokônôkônô ya thulaganyo, ipaakanyo le go ruta mo sekolong se sengwe le se sengwe. Se, se ka diragala fa fela barutabana botlhe ba na le tlhaloganyo e e edileng ya go lemoga le go arabela dikgoreletsi tsa go ithuta le go rulaganyetsa dipharologano.

Ntlhagolo mo go tsamaiseng boakaretsi ke go netefatsa gore dikgoreletsi di a lemogiwa le go arabelwa ke ditlhopha tsotlhe tsa tshegetso mo loagong lwa sekolo, go akaretsa barutabana, ditlhopha tsa tshegetso tsa dikgaolothuto, ditlhopha tsa tshegetso tse di mo ditheong, batsadi le dikolo tse di kgethegileng jaaka ditikatikwe tse di tswelang morafe mosola ka kakaretso. Go arabela dikgoreletsi mo phaposiborutelong, barutabana ba tshwanetse go dirisa ditogamaano tse di farologaneng tsa dipharologano tsa kharikhulamo jaaka tse di akareditsweng mo Dikaeding tsa Go Ruta le Go Ithuta ga Boakaretsi tsa Lefapha la Thuto ya Motheo (2010). (*Department of Basic Education's Guidelines for inclusive teaching and learning (2010)*).

1.4 KABO YA NAKO

1.4.1 Kgato ya Motheo

(a) Nako ya go ruta ya dirutwa tsa Kgato ya Motheo tse di kailweng mo lenaneong le le fa tlase:

SERUTWA	MOPHATO R (DIURA)	MEPHATO 1-2 (DIURA)	MEPHATO 3 (DIURA)
Puo ya Gae	10	7/8	7/8
Puo Tlaleletso ya Ntlha		2/3	3/4
Dipalo	7	7	7
Dikgono tsa Botshelo	6	6	7
Kitso ya Tshimologo	(1)	(1)	(2)
Boithamedi mo go tsa Botsweretshi	(2)	(2)	(2)
Thuto ya Ikatiso ya Mmele	(2)	(2)	(2)
Thuto ya boitekanelo jwa motho le loago	(1)	(1)	(1)
GOTLHE	23	23	25

(b) Nako ya go ruta ya Mephato R, 1 le 2 ke diura di le 23 mme ya Mophato 3 ke diura di le 25.

(c) Diura di le 10 mo dipuong di abetswe Mephato R-2 mme diura di le 11 ke tsa Mophato 2. Bogolo jwa diura di le 8 le bonnye jwa diura di le 7 di abetswe Puo ya Gae, bonnye jwa diura di le 2 le bogolo jwa diura di le 3 di abetswe Puotlaleletso mo mephatong R-2. Mo mophatong wa 3 bogolo jwa diura di le 8 le bonnye jwa diura di le 7 di abetswe Puo ya Gae fa bonnye jwa diura di le 3 le bogolo jwa diura di le 4 di abetswe Puotlaleletso ya Ntlha.

(d) Mo serutweng sa Dikgono tsa Botshelo, Kitso ya Tshimologo e abetswe ura e le 1 mo mephatong ya R-2 le diura di le 2 jaaka go kailwe ka diura tse di mo masakaneng mo mophatong wa 3.

1.4.2 Kgato ya Magareng

(a) Nako ya go ruta ya dirutwa tsa Kgato ya Magareng tse di kailweng mo lenaneong le le fa tlase:

SERUTWA	DIURA
Puo ya Gae	6
Puo Tlaleletso ya Ntlha	5
Dipalo	6
Disaense tsa Tlhago le Thekenoloji	3,5
Disaense tsa Loago	3
Dikgono tsa Botshelo	4
Boithamedi mo go tsa Botsweretshi	(1,5)
Thuto ya Ikatiso ya Mmele	(1)
Thuto ya boitekanelo jwa motho le loago	(1,5)
GOTLHE	27,5

1.4.3 Kgato e Kgolwane

Nako ya go ruta ya dirutwa tsa Kgato ya Kgolwane tse di kailweng mo lenaneong le le fa tlase:

SERUTWA	DIURA
Puo ya Gae	5
Puo Tlaleletso ya Ntlha	4
Dipalo	4,5
Disaense tsa Tlhago	3
Disaense tsa Loago	3
Thekenoloji	2
Disaense tsa Botsamaisi le Ikonomi	2
Tebanyo le Botshelo	2
Botsweretshi le Setso	2
GOTLHE	27,5

1.4.4 Mephato 10-12

(a) Nako ya go ruta ya dirutwa tsa Mephato 10 - 12 tse di kailweng mo lenaneong le le fa tlase:

SERUTWA	KABO YA NAKO MO BEKENG (DIURA)
Puo ya Gae	4.5
Puo Tlaleletso ya Ntlha	4.5
Dipalo	4.5
Tebanyo le Botshelo	2
Bonye jwa dirutwa dingwe le dingwe fela tse tharo di tlhophiwa go tswa mo Setlhopheng sa B <u>Mamettlelelo B. Mananeo B1-B8</u> a pegelo ya pholisi ya <i>National policy pertaining to the programme and promotion requirements of the National Curriculum Statement Grades R – 12</i> , e le mabapi le go ya ka mabaka a a botswang pele go dumelanwa ka ona mo ditemaneng tsa 28 tsa pegelo ya pholisi e e bolelwang.	12 (3x4h)

Nako e e abilweng ya beke e ka dirisediwa bonnye dirutwa tsa NCS tse di tlhokegang jaaka go kailwe fa godimo, e bile e se ke ya dirisediwa dirutwa dipe tsa tlaleletso tse di okeditsweng mo lenaneong la dirutwa. Fa morutwana a ka eletsa go oketsa dirutwa, nako e e okeditsweng e abelwe go rutiwa ga dirutwa tse.

KGAOLO 2: DITLHALOSO, MAIKAELELO, DIKGONO LE DITENG

2.1 MATSENO

Kgaolo 2 ya Thuto ya Dipalo tsa Kgato Motheo mo Pegelong ya Polisi ya Bosetšhaba ya Kharikhulamo le Tlhatlhobo e neela barutabana ka tlhaloso ya dipalo, maikaelelo a a tsepameng, dikgono tse di tsepameng, tsepamiso mo diteng tsa serutwa, bokete jwa diteng tsa serutwa, didiriswa tsa tsa dithutiso tsa dipalo tse di atlegenesitsweng thuto ya kgato ya motheo, dikaelothuto tse di tshitshintsweng go thusa barutwana ba nang le mathata a go ithuta dipalo, dipalo-tlhogo le go godisa thuto ya bokgoni jwa go ithuta dipalo mo Mophatong wa R.

2.2 DIPALO KE ENG?

Dipalo ke puo e e dirisang matšhwao le mokwalopalo o o tlhalosang botsalano jwa ditlhakapalo, thuto tekatekanyo le dikerafo. Ke tirwana ya botho e e akaretsang go lebelela, go bapisa le go batlisisa dipaterone le boleng botsalano jwa dilo tse di bonagalang le tsa loago le fa gare ga didiriswa tsa dipalo ka botsona. E thusa go aga mekgwa ya go akanya e e latelanang le go nagana ka tshekatsheko, nepagalo le tharabololo ya dipalo tse di abelanang le go tsaya ditshwetso.

2.3 MAIKAELELO A A TOTOBETSENG

Maikaelo a go rutiwa le go ithuta dipalo a tsepamedisitswe mo go ageng tse di latelang mo morutwaneng:

- Tshekatsheko temoso ya botsalano jwa dipalo e dirisitsweng jang mo loagong, tikologong, tsa setso le mo botsalanong jwa tsa ikonomi.
- Go itshepa le bokgoni go lebagana le maemo a dipalo kwa ntle ga go kgorelediwa ke letshogo la dipalo
- Moya wa gonna le lerato la dipalo
- Kanaanelo le bontle jwa dipalo
- Temogo ya gore dipalo ke karolo ya botsweretshi ya botho
- Kgopolo tlhaloganyo e e tseneletseng e e tla dirang gore dipalo di nne le bokao
- Kamogelo ya kitso e e totobetseng le dikgono tse di tlhokagalang go
 - dirisa dipalo ka tsela e e bonagalang, mo loagong le mo mathateng a dipalo
 - ithuta diteng tsa serutwa se se maleba
 - Go ithutela pele mo dipalong

2.4 DIKGONO TSE DI TOTOBETSENG

Go godisa dikgono tsa botlhokwa tsa dipalo morutwana o tshwanetse go

- godisa tiriso ya puo ya dipalo
- godisa tlotlofoko ya dipalo, kgopolopalo le go tlhakanya le dikgono tsa go dira dipalo
- ithuta go reetsa, go buisana, go nagana ka tatelano le go dirisa kitso ya dipalo e e ithutilweng
- ithuta go batlisisa, go lokolola, go Bapisa le go ranola tshedimosetso
- ithuta go botsa le go rarabolola dipalo

- Aga boitemogelo mo karolong e e botlhokwa e dipalo di e tshamekang mo maemong bonnete a matshelo a rona, go akaretsa kgolo ya morutwana ka boene

2.5 TSEPAMO MO DITENG TSA SERUTWA

Dipalo mo kgatong ya motheo o di akaretsa diteng tsa dirutwa di le tlhano. Diteng tsa serutwa sengwe le sengwe di abelana ka kamogelo ya dikgono tse di totobetseng. Lenaneo le le fa tlase le supetsa tsepamo mo diteng tsa serutwa ga mmogo le tsepamo e e totobetseng mo diteng tsa dirutwa tsa thuto ya kgato motheo

Lenaneo 2.1 Tsepamo mo diteng tsa dipalo tsa thuto kgato motheo

KITSO YA DITENG TSA DIPALO		
Diteng tsa serutwa	Tsepamo mo diteng ka kakaretso	Tsepamo e e totobetseng mo diteng tsa kgato ya thuto motheo
Dipalo, diopereishene le botsalano	<p>Kgodiso mo bokaong jwa dipalo e akaretsa</p> <ul style="list-style-type: none"> • bokao jwa dipalo tse di farologaneng • Botsalano mo dipalong tse di farologaneng • Kamano bogolo ya dipalo tse di farologaneng • ditsela tse di farologaneng tsa tshwantshiso ya dipalo • Kgono ya go dira ka dipalo 	<p>Palo tekanyo e e godisiwang go ya kwa bokhutlong jwa mophato wa 3 e akaretsa palotlalo ya bonnye jo bo ka nang ka 1000 le dipalophatlho tse di tshwanang. Mo kgatong, palokgopolo ya barutwana e godisiwa ka go dira ka go bala didiriswa tse di kgobokantsweng, kgaogano le go kopanya bogotlhe ba tsona, o bala o tlodisa ka tsela tse di farologaneng, rarabolola dipalo tsa mafoko le go aga le go tlhatlhamolola dipalo</p> <ul style="list-style-type: none"> • Go bala go godisa bokgoni jwa barutwana jwa go itse kgoplopalo, dipalo tsa tlhogo, phopholetso, go tlhakanya le temogo ya dipaterone • Kgodiso ya kgopolopalo e thusa barutwana go ithuta ka ga dipharologantshe tsa dipalo le kgodiso ya ditogamaano tsa go dira tlhakanyo bonolo • Go rarabolola dipalo go ya ka maemo go naya barutwana bokgoni jwa go buisana ka dikakanyo tsa bona ka molomo le go di kwala ba dirisa ditshwantsho le matshwao • Barutwana ba aga kutlwisiso mo diopereisheneng tsa go tlhakanya, go tlosa, go atisa le go arola • Barutwana ba godisa kgopolo ya dipalophatlho ka go ranolola dipalo tse di akaretsang go aroganya didiriswa le go dirisa ditshwantsho. Dipalo di tshwanetse go akaretsa di tharabololo tse di neelang ka disala tsa palotlalo kgotsa dipaophatlho. Go aroganya go seka ga akaretsa fela go bona dikarolo mo selong se se feletseng mme gape le go bona dikarolo mo didirisiweng tse di kgobokantsweng. Mo kgatong e, ga go a solofelwa gore ba itse go bala le go kwala matshwao a dipalophatlho.

KITSO YA DITENG TSA DIPALO		
Diteng tsa serutwa	Tsepamo mo diteng ka kakaretso	Tsepamo e e totobetseng mo diteng tsa kgato ya thuto motheo
Dipaterone, tiriso le Alejebera	<p>Alejebera ke puo ya go batlisisa le go tihaeletsa dipalo ka bontsi, e kgona le go atlosediwa mo thutong ya ditiriso le dikamano tse dingwe tse di fa gare ga dilo tse di fetofetogang. Mo karolong bogare jwa diteng tsa serutwa, morutwana a ka fitlhelela dikgono tse mo tirisong ya Alejebera. E tsepamedisitswe gape mo:</p> <ul style="list-style-type: none"> • tthalosong ya dipaterone le kamano ka tiriso ya matshwao, kerafo le lenaneo, le • Tshupetso le go lokolola dilo tsa tlwaelo le phetogo mo dipateroneng, le kamano e e kgotlosang morutwana go dira ponelopele le go rarabolola dipalo 	<p>Mo kगतong e, barutwana ba dira</p> <ul style="list-style-type: none"> • popego palo ga mmogo (sekao go bala o tloedisa) • Dipaterone tsa thutatekano (sekao ditshwantsho) <p>Barutwana ba tshwanetse go dirisa didiriswa tse di bonalagalng, ditshwantsho le dipopego tsa matshwao go kopolola, go atolosa, tthaosa le go bopa dipaterone,</p> <p>Go kopolola dipaterone go thusa barutwana go bona tatelano gore paterone e dirilwe jang.</p> <p>Go atolosa paterone go thusa morutwana go lekola gore a ba tthalogantse tatelano ya paterone</p> <p>Go tthalosa paterone go thusa morutwana go godisa dikgono tsa bona tsa puo.</p> <p>Tsepamiso mo tatelanong ya dipaterone e ala motheo mokgodisong ya dikgono tsa go nagana tsa Alejebera.</p> <p>Popegopalo e tshhegetsatsa kgodiso ya kgopolopalo le bokao jo bo agilweng mo dipalong, diopereishene le botsalano</p> <p>Dipaterone tsa thutatekano di akaretsa tatelano ya mela, dipopego le didiriswa mme gape le dipaterone tsa mo lefatsheng. Mo dipateroneng tsa thutatekano barutwana ba dirisa kitso ya bone ya boalo le popego.</p>
Boalo le popego	<p>Thuto ka ga boalo le popego e tsweletsa go tthaloganyana le go ananeela dipaterone, nepagalo ya tsona, phitlhelelo le bontle jwa dipopego tsa tlhologo le tsa setso. E tsepamedisitswe mo</p> <ul style="list-style-type: none"> • pharologantsho, botsalano • Kitsiso, maemo le • Diphetogo mo tekatekanyong ya dipopego pedi le didiriswa tekatekanyo tharo 	<p>Mo kगतong e, barutwana ba tsepamedisiwa mo didirisiweng tsa tekatekanyong tharo (3-D), dipopego tekatekanyo tlhakore pedi (2-D), maemo le dikaelo.</p> <ul style="list-style-type: none"> • Barutwana ba utolola dipharologantsho tsa didiriswa tsa tekatekanyo tharo (3-D) le dipopego tekatekanyo tlhakore pedi (2-D) ka go di tlhpa, ba di rulaganya, tthalosa le go naya maina a tsone • Barutwana ba Bapisa dipopego lego aga ka didiriswa • Barutwana ba lemoga le go tthalosa dipopego le didiriswa tse di tshwanang le dipopego tsa dipalo mo tikologong. • Barutwana ba tlhlosa maemo a didiriswa, a bone le a ba bangwe ba dirisa tlotlofoko e e maleba • Barutwana ba la tela le neela ka dikaelo
Go lekanya	<p>Go lekanya go tsepamedisitswe mo tlhponng le tirisong ya diyuniti tse di maleba le difomula go lekanyetsa pharologantsho ya ditirafalo, dipopego, didiriswa mo tikologong. E nyalana ka tthamalalo le lefatshela morutwana la bonetetshi, bothekeniki le ekonomi, di kgonisa morutwana go</p> <ul style="list-style-type: none"> • dira phopholetso e e nang le bokao • Tsitsiboga mo go neeleng mabaka a go lekanya le dipholo 	<ul style="list-style-type: none"> • Mo kगतong e, kgopolo ya barutwana ya go lekanya e godisiwa ka go dira ka ponagalo ka didiriswa tse di farologaneng le dipopego, go ithuta dipharologantsho tsa boleleele, mothamo, bokete, boalo le nako • Barutwana ba lekanya dipharologantsho tsa dipopego le didiriswa ba dirisa ditsela tse di sa tlhomamang tse di malaba jaaka diatla, dikgato le ditshelo jalo jalo • Barutwana ba Bapisa dilekanyo tse di farologaneng ka go dirisa mafoko a tshwantshiso jaaka moleleele go/ mokhutswana go, e boima thata/ e bofefo thata jalo jalo • Barutwana ba itsesiwe go diyuniti tse di tlhomameng jaaka digerama, dikilogerama, dimilimetara, diletara, disentimetara, dimetara. <p>Ditirwana tse di amanang le nako di tshwanetse go rulaganngwa go lemosa barutwana go tthaloganyana tsamao ya nako pele ga a bala letsatsi ka nako.</p>

KITSO YA DITENG TSA DIPALO		
Diteng tsa serutwa	Tsepamo mo diteng ka kakaretso	Tsepamo e e totobetseng mo diteng tsa kgato ya thuto motheo
Go dira ka dipalo tsa tshedimosetso	<p>Ka go ithuta dipalo tse di dirang ka tshedimosetso, morutwana o godisa dikgono tsa go</p> <ul style="list-style-type: none"> • Kgobokanya, • Rulaganya, • le go supetsa, • Lokolola le go ranolola tshedimosetso e e neetsweng 	<p>Go rutiwa le go ithuta dipalo tsa tshedimosetso mo kgatong ya motheo go tsepamedisitswe mo go tlhopheng didiriswa le tshedimosetso ka ditsela tse di farologaneng, go ikaegile ka ditebego tse di farologaneng tsa didiriswa kgotsa tshedimosetso</p> <ul style="list-style-type: none"> • Go solofelwa gore barutwana ba ranole le go aga dikerafa tse di dirisediwang ditshwantsho le kerafonoko e e supetsang nyalano ka bongwe-ka-bongwe mo tshedimosetsong e e neetsweng.

2.6 BOLENG JWA DITENG TSA SERUTWA

Boleng jwa diteng tsa serutwa sa dipalo e neela ka tshimologo ya mesola e mebedi: ga ntlha boleng bo neela ka kaelo ya nako e e tlhokagalang go ruta ka botlalo diteng tse di mo serutweng se sengwe le sengwe;sa bobedi boleng bo neela ka kaelo mo go kgaoganyeng diteng tsa serutwa mo tlatlhobong.Boleng jwa diteng tsa serutwa ga bo tshwane mo mophatong mongwe le mongwe wa kgato ya motheo.

Lenaneo 2.2 Boleng jwa diteng tsa serutwa mo thutong ya kgato motheo

BOLENG JWA DITENG TSA SERUTWA			
Diteng tsa serutwa	Mophato 1	Mophato 2	Mophato 3
Dipalo, diopereishene le dikgolagano*	65%	60%	58%
Dipaterone, tioriso le Alejebera	10%	10%	10%
Popego le boalo (Jeometeri)	11%	13%	13%
Go lekanya	9%	12%	14%
Go dira ka dipalo tsa tshedimosetso	5%	5%	5%
	100%	100%	100%

*Go bothokwa gore tsepamo e nne mo dipalong, diopereishene le botsalano mo mophatong wa R. Letlelela barutwana go fetsa mo kgatong ya motheo ba tshwanetse gore ba bo ba tlhomame go tshloganya bokao jwa dipalo le go Motlotlo ka diopereishene. Maikaelelo ka gore barutwana ban ne le bokgoni le go itshepa fa ba dira dipalo le go tlhakanya. Ka lebaka le, nako e e abetsweng dipalo, diopereishene le botsalano e okeditswe. Tiro ka bontsi e tshwanetse go tsepamedisiwa mo dopateroneng tsa dipalo go tiisa bokgoni jwa barutwana go dirisa dipalo

2.7 DIPALO MO THUTONG YA KGATO MOTHEO

Thuto ya kgato motheo e golaganya botshelo jwa ngwana jwa tshimologo ya sekolo le botshelo kwa ntle ga sekolo, mo letlhakoreng le lengwe dipalo kgopolo tse di rutiwang mo mephatong e e latelang di a golagangwa. Mo mephatong ya ntlha bana ba tshwanetse go tshagisediwa maitemogelo a dipalo a a ba nayang ditshono tse dintsi tsa go dira, go Motlotlo le go rekota dikakanyo tsa bone tsa dipalo.

Kgoboko ya nako e e dirisediwang dipalo e na le tsenelelo mo kgodisong ya barutwana ya dikgopolo tsa dipalo le dikgono tsa bone. Ditirwana tse barutwana ba tshwanetseng go di dira gareng ga tse dingwe, ga e se go ba dira e ka re ba a dira mme fela ke gore ditirwana tse, di tsepamedisiwe mo dipalong jaaka go kailwe mo kharikhulamong.

2.7.1 Ditaelokaedi tse di tshitshintsweng tsa taolo ya phaposi

Nako yotlhe e e beetsweng go ruta dipalo mo letsatsing le le nosi, e tshwanetse go lebelelwa jaaka pakathuto e le nngwe. Ka nako ya pakathuto ya dipalo, tse di latelang di tshwanetse go diragala:

- **Tirwana ya phaposi yotlhe**
 - Dipalo tsa tlhogo
 - Tiiso ya dikgopolo
 - Taolo ya phaposi (kabelano ya ditirwana tsa barutwana ka nosi)
- **Go ruta ditlhopha tse dinnye**
 - Go bala
 - Kgodiso ya kgopolopalo (ka ditirwana tsa motlotlo le tiragatso)
 - Go rarabolola dipalo (ka ditirwana tsa motlotlo le tiragatso)
 - Rekota ka go kwala
 - Godisa ditogamaano tsa go tlhakanya (ka ditirwana tsa motlotlo le tiragatso)
 - Dipaterone
 - Boalo le popego
 - Go lekanya
 - Go dira ka dipalo tsa tshedimosetso
- **Tiro e e itirelwanng ke barutwana**

Barutwana ba ikatisa le go tiisa kgodiso ya dikgopolo mo thutong ya phaposi le mo ditlhopheng tse dinnye.

Ditirwana tsa phaposi yotlhe: Tsepamo e tla dirwa bogolo segolo mo dipalong tsa tlhogo, tiiso ya dikgopolo le kabelano ya ditirwana tse barutwana ba di dirang ba le nosi mo metsotsong e le 20 ka letsatsi mo tshimologong ya thuto ya dipalo. Ka nako e, gape morutabana o dira le barutwana botlhe mo phaposing go tlhomamisa le go rekota leina la letsatsi, letlha, barutwana ba leng teng le be ba lofileng, le maemo a bosa. Dipalo tsa tlhogo di akaretsa tshimologo ya dipalo tsa tlhogo jaaka” palo morago ga/pele ga 8 ke, 2 gantsi/gannye go feta 8 ke, 4+2; 5+2; 6+2 jalo jalo. Ka nako e, morutabana o kgona go dira dikgopolo tse di boimanyana. Se se leng botlhokwa gape ke gore morutabana a neele barutwana tirwana e e ba akaretsang botlhe ga mmogo le ditirwana tse di dirwang ke barutwana ka bongwe ka bongwe, a ntse a tswetse ka tiro e e tsepamedisitsweng setlhopha se se nnye kwa sekhutlwaneng sa go ruta.

Setlhopha se sennye se se tsepamedisitsweng dithutiso: di nna mosola fa morutabana a ruta setlhopha se sennye sa barutwana (8-12), ba ba nang le bokgoni jo bo tshwanang mo dipalong/metsheng kgotsa fa lenaneo la dipalo, fa barutwana ba bangwe ba dira ditirwana tse ba dirang ba ikemetse. Morutabana o dira tiro ka go Motlotlo le tiro e e diragatswang (practical) le barutwana, go dira ditirwana tse di tshwanang le go bala, go fopholetsa, kgodiso ya kgopolopalo le ditirwana tsa tharabololo ya dipalo ga mmogo le ditirwana tse di malebana le dipaterone, boalo le popego, go lekanya le dipalo tsa go dira ka tshedimosetso go tshwanetse go rulaganyetswe.

Gore o kgone go tiisa go ithuta, tiro e e kwalwang (buka ya go dira, dikai papetlana ya tirwana, dikarata tsekedimo tsa tiro) o tshwanetse go tsaya karolo mo ditirong tsa ditlhopha mo go kgonagalang teng. Barutwana ba tshwanetse go nna le didiriswa tsa go kwala (dibuka tsa dithutiso tsa phaposi jalo jalo) ditirwana tsa go ranola dipalo. Nako ya ditiro tsa ditlhopha di tshwanetse go neela barutwana tšhono ya go buisana le morutabana le barutwana ba tshwanetse go rotloedwa go tlotla, go diragatssa le go rekota dikakanyo tsa bone tsa dipalo.

Barutabana ba tshwanetse go tlhokomela gore ba seka ba nyatsa barutwana ba bonya, ba tshwanetse go newa tšhono ya go dira tiro ya nako telele. Go bonolo go nyalanya maemo o tiro e e boima go barutwana ba setlhopha sa bokgoni jo bo tshwanang. Le fa go ntse jalo, ditlhopha tsa bokgoni jo bo tlhakaneng di ka dira

sentle mo tirong ya go aga, fo lekanya le dira dipaterone kgotsa go dira ditirwana tsa go tlhopa kgotsa go tshameka metshameko

Ditirwana tse barutwana ba di itirelang: fa morutabana a ntse a tswetse le setlhopho se se tsepamedisitsweng mo dithutong tsa kwa sekhutlwane, barutwana ba bangwe ba tshwanetse gore ba dire ditiro tse di farologaneng tsa dipalo tse tsepamedisitsweng mo go tiiseng dikgopolo le dikgono tse di setseng di rutilwe ka nako ya dithuto tse di tsepamedisitsweng ditlhopho tse dinnye. Ditirwana tse barutwana ba di itirelang di tshwanetse go farologanngwa go neelana ka bokgoni jwa maemo a a farologaneng. Ditirwana tse, di ka nna tsa akaretsa

- ditirwana tse di kwalelwang mo bukeng ya tiro
- papetlana ya tirwana/dikarata tsekedimo tsa tiro ya go bala, tiriso ya dipalo, dipalo tse di bothofo (dipalo tsa mafoko)
- metshameko ya dipalo jaaka ludo, ditomino, diphasele tsa jiki saw
- Ditiro tse di akaretsang go aga, go tlhola, go dira dipaterone kgotsa go lekanya

Pakathuto ya dipalo e tshwanetse go neelana ka tshegetso ya barutwana ba itemogelang dikgoreletsi /mathata.

Ditirwana tse barutwana ba itirelang tsone ga mmogo le tsa dithuto tse di tsepamedisitsweng ditlhopho tse dinnye kwa sekhutlwane, di tshwanetse go lebelelwa (tse di diragatswang, le tsa motlotlo), di tshwaiwe le go tlhokemelwa (tse di kwadilweng) ke morutabana jaaka karolo ya tlhatlhobo e e sa tlhomamang le e e tlhomameng.

Go latedisiwa ga dikarabo tsa barutwana (tsa puisano, motlotlo, tse di dirisegang, tse di kwalwang) mo maemong a ba ithutang le go rutiwa mo go ona, di bontsha morutabana go tlhatlhoba ka tsela e e tswelang, go lekola tswelopele ya barutwana le go rulaganya tshegetso go ya ka dikgoreletsi tse ba itemogelang mo go ithuteng

2.7.2 Barutwana ba ba itemogelang dikgoreletsi mo go ithuteng

Go bothokwa go akaretsa barutwana ba itemogelang mathata mo thutong e e tletseng ditiro tsa phaposi. Dikao tse di dirisang dithusa-thuto tse di bonagalang di tshwanetse go dirisiwa sebaka se se leele gonne fa di tla tlogelwa ka bonko di ka baka tsielego le poelomorago mo thutong ya barutwana. Barutwana batshwanetse go neelwa nako e telele go:

- Feleletsa ditirwana tlhatlhobo le ditiro tsa phaposi
- Iponela bokgoni jwa go akanya (ditogamaano tsa bona).

Ditirwana tse di feditsweng, palo ya tsona e lekanyetswe go barutwana kwa ntle ga go sa eletlhoko se barutwana ba se itseng le bokgoni jwa bona bo sa lebelelwa .

2.7.3 Dipalo tsa tlhogo

Dipalo tsa tlhogo di tsaya karolo e kgolo mo kharikhulamong ya thuto ya motheo. Dintlha tsa Kgokagano ya dipalo le lenaane la katiso la dipalo tsa mophato mongwe le mongwe, tse barutwana ba solofetsweng go di itse kgotsa go di gakologelwa ka bonako di neetswe mo lenaaneng. Mo tlaletsong, dipalo tsa tlhogo di ka dirisiwa ka phethelelo go thusa thata kgodisa kitso ya dipalo tse di kgolwane ka go dirisa mokgwa wa go bala o tlola le go bala o ya kwa godimo le kwa tlase mo palo sepagamo (number ladder) Sekao 796. Oketsa ka 7. Ke 803. Fokotsa ka 5 Ee ke 798. Oketsa ka 10... oketsa gape ka 2.....oketsa ka 90.....fokotsa ka 5 jalo jalo. Se, se ka thusa barutwana go dira molapalo wa dipalo tsa tlhogo.

Dipalo tsa tlhogo ka jalo di tlhagelela thata mmogo mo go baleng le mo dikarolong tsa kgodiso ya kgopolo palo tse di amanang le ditlhogo tsa dipalo le dipaterone. Se, se kgona go diragala gape fa o ruta ditirwana tsa go lekanya le dipalo tse di dirang ka tshedimosetso, fa go dirwa dipalo tsa tlhogo, morutabana ga a tshwanela go pateletsa barutwana go dira dipalo tsa tlhogo tsa go tlhakanya tse ba ka se di kgoneng. Didiriswa tsa go kwalela le dipadisa di tshwanetse go nna teng ka dinako tsotlhe mo barutwaneng ba ba di tlhokang.

2.8 MOPHATO WA R

Thuto ya go ithuta dipalo e tshwanetse go ikaega ka melawana ya tsenyaletso le motshameko yo o ikaegileng ka go ithuta. nna e e gokaganeng le go ithuta o tshameka. Morutabana o tshwanetse go nna matlhagatlhaga ka go nna mogokaganyi boemong jwa go nna motsamaisi wa thuto mo phaposing. Mogokaganyi o neela ka ditšhono tse di itiragalelang fela ka nako ya ditirwana tse di ikaegileng ka ngwana jaaka metshameko o o lokolosegileng mo sekhutlwane sa motshameko wa megopolo kgotsa lefelo la go aga diboloko, sekhutlwana sa go tshameka ka mmu le metsi ga mmogo le ditirwana tse di eteletsweng pele ke morutwana, tse di tsepamedisitsweng mo dikgopolong tsa dipalo jaaka go ithuta go bala, go nna le kgolo le kitso ya dipalo, boalo le dipopego, dipaterone, nako le temogo e e totobetse ya dipalo. Mmala ka nosi ga se karolo ya dipalo mme e ka thusa go godisa ditirwana tsa kgopolo palo jaaka go tlaola, kgobokanyo ka ditlhopha le pharologantsho

Dikarolo tsotlhe tsa mophato wa R, o akaretsa maemo a tikologo ya phaposi, tiragatso ya go ruta le ithuta, di tshwanetse go godisa kgolo ya ngwana ka bogotlhe. Kgolo e, e e tshamekang karolo e e botlhokwa mo dipalong tsa pele e akaretsa kgolo godisiwa ka go dirisa dikgang khutswe, dipina, diraeme, metshame ya menwana le metshameko ya metsi, ditshamekisi tsa go ithuta tse di akaretsang metshameko e e tshamekelwang mo lepolankeng, go aga le metshameko ya go utpolola (boima, nako, mothamo, go lekanya jalo jalo), metshameko ya megopolo, metshameko ya kwa ntle, le ya mo patlelong. Mefuta e mentsi ya metshameko e ka akaretsa dintlha ka kitso e ntsi ya dipalo sekao go meta fa o apaya, go bala fa reka dilwana kwa lebenkeleng.

Ka mafoko a mangwe, thutego mo dipalong tsa tshimologo le dikgopolo tse nyalanang le dipalo, di tshwanetse gore jaaka di siametse thuto, di ikamanye go melawana ya go ithuta e e latelang e ngwana e golang mo kगतong tse tharo tsa go ithuta, maina a dikgato tse ke a: jalo go anya kitso ya dipalo le megopolo yotlhe e e tsenyeletsang dipalo di tshwanetse tsa ikaege ka theo (motheo) ya thuto e e reng fa bana ba ithuta ba tsamae ka dikgato tse tharo tse di latelang tse:

- Kgato ya maitemogelo ka tsamaiso ya mmele (maitemogelo ka dikgopolo tsa mmele le dirwe tsa kutlo)
- Kgato ya go dira ka dikgonngwa/dipopego (Tekatekanyo ya popego tharo, dirisa diboloko tse di farologaneng, matlhare le didiriswa tse dingwe mo tikologong)le
- Tshwantshiso boemedi jwa pene le pampiri (tshwantshiso ya dikgonngwa tse di sa felelang o dirisa ditshwantsho, nyalano ya dikarata tsekedimo)

Mo ngwageng wa mophato wa R, lenaanethuto le bidiwa lenaneo la letsatsi le letsatsi (**Lebelela Tihakapalo 1**) mme e dirilwe ka dikarolo tse tharo:

- Ditiro tse di kaelwang ke morutabana
- Ditiro tsa tlwaelo le
- Ditiro tsa boitshimololeli tsa bana le metshameko e e golololesegileng

Tlhakapalo 1: Lenaneo la letsatsi le letsatsi la mophato R
(Gotloga ± 7:30 – 13:00)

KGOROGO LE NAKO YA GO TSHAMEKA	
Metsotso	Ditumediso Matsalo Bukakwadiso Dikgang Karata tsekedimo ya maemo a bosa
36	Ditiro tse di kaelwang ke morutabana Dipalo, Puogae, Dikgono tsa botshelo
Metsotso	<ul style="list-style-type: none"> • Ditiro tsa bokati (letsatsi le letsatsi: Tirokgolo 1 + 2/3 Ditiro tsa tlaleletso • Metshameko ya boikgethelo • Phepafatso mo phaposing
50	
Metsotso	DITIRO TSE DI KAELWANG KE MORUTABANA
30	Dipalo; Puo ya gae; Dikgono tsa botshelo
Metsotso	NAKO YA NTLWANA BOITHOMELO
10	Dipalo, Puogae, Dikgono tsa botshelo
Metsotso	NAKO YA DILAPOLOSI
20	Dipalo, Puogae, Dikgono tsa botshelo
Metsotso	Metshameko ya boikgethelo le Phepafatso
60	
Metsotso	NAKO YA NTLWANA BOITHOMELO
10	Dipalo, Puogae, Dikgono tsa botshelo
Metsotso	DITIRO TSE DI KAELWANG KE MORUTABANA
30	Dipalo, Puogae, Dikgono tsa botshelo
Metsotso	SETORI/DIKGANGE: tsatsi le letsatsi
30	
Boikhutso/Nako ya tidimalo le kgaogano	

Dipalo Puo ya gae
Dikgono tsa botshelo

• Ditiro tsa bokati (letsatsi le letsatsi: Tirokgolo 1 + 2/3 Ditiro tsa tlaleletso

• Metshameko ya boikgethelo

• Phepafatso mo phaposing

- Metshameko ya boithlomo
- Motshameko-tiragatso
- Motshameko-kago
- Ditshamikisi tsa thuto
- Ditshamekisi
- Metshameko ya thaloganya
- Malepa
- Sekhutlo sa go buisa
- Nako ya tidimalo
- Sekhutlo sa tidimalo

- Metshameko ya metsi
- Motshameko wa mmu
- Tiragatso
- Dikgwele
- Sekoporomae
- Ditshamikisi tsa maotwana
- Ditshamikisi tsa thuto
- Ikatiso ya jankele
- Ditaere
- Thuto ya tatiso ya mmele
- Metshameko

DIPALO

- Ditiro tse di tswang mo pegelong ya polisi ya kharihulamo ya thatlhobo . (Dipalo)
- Ditiro tsa mmimo le dipina
- Ditro tsa thaloganyo
- Raeme tsa go bala
- Puisano ka setlhogo
- Ditekelelo tsa bonetetshi
- Metshameko ya boikgethelo
- Ditiro tsa ka gale

PUOGAE

- Ditiro tse di tswang mo CAPS (Puogae)
- Dikgang
- Tiragatso
- Dibuka/Ditshwantsho
- Go bala ditshwantsho
- Puisano ka setshwantsho
- Metshameko ya thaloganyo
- Positara ya batsadi
- Lokwalo la batsadi
- Dikgang
- Maboko/Diraeme
- Mmino/Dipina/Diraeme
- Theipi
- Puisano ka setlhogo
- Ditiro tsa metsamao wa batho
- Ditiro tsa gale
- Metshameko ya boikgethelo

DIKGONO TSA BOTSHELO

- Ditiro tse di tswang mo CAPS (Dikgono tsa botshelo)
- Ditiro tsa metsamao ya batho
- Dipina le mmimo
- Maboko le diraeme
- Puisano ka setlhogo
- Matsalo
- Ditiro tsa gale
- Metshameko ya boikgethelo

Kgatelelo mo tsamaong ya ngwaga, e tshwanetse go nna mo tatelong ya lenaneo la letsatsi le letsatsi go tswelletsa go ithuta tshimologo ya kitso ya dipalo ka mokgwa wa go ithuta o tshameka. Sekao ditiro tse di kaelwang ke morutabana thutotong ya dipalo, di neelana ka ditshono ka nako ya go dula le barutwana mo sedikong. Bontsi jwa ditiro ka nako ya go dula le barutwana mo sekeleng, di tshwanetse go tsepamedisiwa mo go ithuteng dipalo. Nako ya mo mosong fa bana ba dumediwa le fa lenaneo le tshwaiwa go bona ba bas a tlang sekolong, ke nako e neelanang ka tshono ya go tshameka ka dipalo, sekao go bala. Nako tse dingwe tsa go dula le bana mo sekeleng jaaka nako ya dipalo, perceptual motor mosakos, nako ya go itshikinya, nako ya mmimo le nako ya bonetetshi di neelana gape ka nako go itsepamisa mo dipalong.

Kgatelelo ya dipalo e ka dirwa ka nako ya ditirwana tsa botsweretshi jwa boithamede, sekao o ka dirisa dipopego tsa thutatekano jaaka disekele le dikhutlo-nne go dira kholaje kgotsa o bapisa paterone ya go foreima setshwantsho. Karata tsekedimo ya maemo a bosa, khalentara le nako ya malatsi a botsalo di ka neela ka ditshono tsa go utolola dikgopolo tsa dipalo. Ke kitso ya morutabana le boithaopi tse di ka godisang bokgoni jwa go ithuta .

- Ditiro tsa tlwaelo, ke dinako tse bana ba tsayang karolo ka matlhagatlhaga jaaka nako ya ja, nako ya go fitlha, nako ya go ya gae le nako ya go ya kwa ntlwaneng boithomelo, di ka nna tsa tsepamedisiwa mo dipalong. Bana ba ba apereng diaparo tse dikhibidu, sekao ba ye ntlwaneng boithomelo pele (mmala le palokemotatelano) ngwana mongwe le mongwe o newa dijo le sementsishi (bongwe ka bongwe nyalelano), Pinky o tla rata sementsishi ya bobedi, Pule ga a sa tlhole a batla gape. Se se se re isa mo go supeng le go diriseng nako ya go rut, ka mantswe a mangwe go nna mogokaganyi mo go ithuteng
- Ka nako ya motshameko o o gololosegileng morutabana a ka tswelletsa thuto ya dipalo tsa tshimologo ka go rulaganya lefelo la go tshameka motshameko o o gololosegile ka tsela e e maleba. Motshameko ya kwa ntle jaaka go palama mo polankeng kgotsa go palama baesekele go ka tswelletsa go ithuta dintlha kgolo tsa tlotlofoko ya dipalo jaaka godimo/tlase kwa tlase/kwa godimo, bonako/bonya, godimo/ fa fatshe jalo jalo. Go yshameka ka mmu le metsi go ka godisa go tlhaloganya dikgopolo jaaka boima, bolumu le mothamo. Ditirwana tse tsotlhe tse, di ka tswelletsa dikgono tse di botlhokwa, tse di ka nngang le karolo e e botlhokwa mo katlegong ya go ithuta kwa dikolong tsa dithuto tse di tlhomameng tsa serutwa sa letheresi le numeresi. Dikai tsa dikgono tse ke:
 - Kgodiso mo go tlhaloganyeng maemo a gago mo boalong sekao kwa morago, mo pele ga, ka fa tlase ga, go bapa le sedirisa (sekao se, se ka golagangwa le boemo jwa bolengpalo mo dipalong) le
 - Tshupokaelo le tshupo kwalo (di ka golagangwa go dipalo le popego ya ditlhaka le go bala go tswa kwa molemeng go ya kwa mojeng)

Tiragatso e neetsweng fa godimo, e kaetsa mokgwa wa dithuto tsa mophato wa R tse di tswelletsang tharabololo ya dipalo, kakanyo ka tatelano le neelano ya mabaka, ga mmogo le thuto ka ga boagi ka gonne di tsepamedisitswe mo go ithuteng le ba bangwe le dipuisano. Ka go dirisa dinako tsa go ruta barutabana ba ka rotloetsa bana go nagana ka ditshwetso tsa bona le go nna le ponelopele mo di kgonagalong sekao a fopholetse gore a setshelo se se diriseditsweng go tshela metsi se ka dirisediwa go tshela metsi a mantsi go feta a setshelo se sengwe.

Ka go dirisa ditshitshinyo tse di thusang le go laletsa ngwana go nagana ka ga thefosano ya maemo a a le ditsela tsa go rarabolola dipalo, morutabana a ka rotloetsa bana go nagana kwa teng thata ka ga mabaka le go bona mabaka a a siameng ka boikgethelo jo ba bo dirang. Ka tsela e, kgodiso ga e dirwe mo dipalong fela mme gape le mo ngwaneng ka bogotlhe le mosola wa pegelo ya polisi ya kharikhulamo ya tlhatlhobo o tlišiwa mo tirisong.

Tiragatso ya mekgwa ya tlhatlhobo mo mophatong wa R, e tshwanetse go dirwa ka tsela e e sa tlhomamang ebile bana ba seka ba patelediwa go kwala "teko". Ke ka lebaka le o, tlhatlhobo e sa akarediawang mo mophatong wa R pegelo ya pholisi ya kharikhulamo ya tlhatlhobo. Tirwana nngwe le nngwe ya e e dirisediawang tlhatlhobo e tshwanetse go rulagangwa ka matsetseleko gore o kgone go akaretsa dikgono tse di farologaneng

Gantsi mo mophang wa R, tlhatlhobo e dirwa ka go lebelela bana, morutabana a rekota dipholo tsa tlhatlhobo a dirisa lenaneo la go lekola. Ka ga moo, fa ngwaga o tsewetse morutabana o kgona go bona setshwano se se feletseng sa ngwana, se feletse ka dikgwetlho le maatla a a godileng mo nakong e e telele. Se se go naya tšhono ya go thusa ngwana yo o itemogelang dikgwetlho tse le gore o oketse maatla a gagwe.

O seka wa letlelela porogerama e rulagantsweng ka tsela e e tiileng, e e tlhomamisitsweng mo melaong ya kgale ya go ithuta, ka gonne ga e oketse ditšhono tsa go ithuta dipalo mo ngwaneng wa mophato wa R. Mophato wa R o seka wa rutiwa ka tsela ya mophato wa 1. Phaposi e, e na le dipharologantsho tse di ikaegileng ka gore ngwana o o dira jang gore a nne le bokao go ya ka dingwaga tse a leng mo go tsona le gore o bona jang kitso, dikgono, boleng le maitsholo a a mo letlelelang go oketsa ditshono tse a di newang mo dingwageng tsa thuto ya gagwe e e tlhomameng.

2.9 DIDIRISWA TSE DI ATLENEGISITSWENG TSA DIPALO TSA PHAPOSİ YA KGATO MOTHEO

- Dipadisa
- Taese e tonna
- Letlhomeso le legolo(foraima)la go bala
- Karata tsekedimo ya boleele
- Pousetara ya 1-100 le 101-200 ya gerete ya dipalo tsa go bala
- Melapalo e e farologaneng(Tse di tsepameng le tse di rapeletseng)
- Sete ya dikarata tsa dipalo
- Tšhelete a go tshameka disente le tšhelete dipampiri a motshameko
- Khalentara ya ngwaga eo
- Tshupanako e tonna
- Sekale sa boima
- Diboloko tsa go aga
- Seloko sa go bopa
- Mabokose a a farologaneng a dipopego tse di fapaneng le bogolo di tlišwa go tswa kwa gae.
- Mabolole a dipolasitiki a a farologaneng le ditshelo tsa go tlhalosa le go bapisa methamo/dibolumu.
- Dikai tse di siameng tsa kgolokwe (bolo) le bokose la khutlonnetsepa (lebokose), kubiki (cube), setopo (cone), piramiti (pyramid) le sennere (cylinder) tse, morutabana o di bopa ka boene.
- Palo ya dikhutlonne tsa dipolasitiki le mabokose, dikhutlonnetsepa tse di farologaneng, didiko, dikhutlotharo tsa bogolo jo bo farologaneng.
- Metshameko ya dipalo, sekao, luto (ludo), morabaraba wa dinoga le lere (snake and ladder), malepatshwantsho (jigsaw puzzle), ditomino (dominoes), metshameko wa malepa ka tlhale (tangrams)
- Di botlhokwa go mophato wa R le 1.
- Boalo jwa motlhaba le motshameko wa metsi.
- Didiriswa tsa go palama, lekanetsa, go akgwa le kgati.
- Lebenkele la motshameko ka dilwana tse di rekwang ka tšhelete ya motshameko.
- Metshameko e farologaneng e e maleba, jaaka “Khutlonne ke eng?”
- Diboloko

KGAOLO 3: TLHALOSO YA DITENG TSE DI TOTOBETSENG

3.1 MATSENO

Mo Sekgamung sa Thuto-Kakaretso le Katiso sa mephato ya R-9, go na le dikarolo tsa diteng tsa serutwa sa Dipalo di le tlhano:

- Dipalo, Matshwao le Dikgolagano
- Dipaterone, Diopereishene le Alejebera
- Boalo le Popego
- Tekanyo
- Go dira ka dipalo tsa tshedimosetso

Diteng tsa serutwa sengwe le sengwe di kgaogantswe ka ditlhogo tsa dipalo, sekao, nngwe ya ditlhogo mo karolong ya Boalo le jeometri) mo Kgatong ya Motheo, ke ka ga tekatekanyopedi/matlhakorepedi (2-D). Dikgopolo le dikgono di totobaditswe mo setlhogong sengwe le sengwe. Kgaolo ya 3 ya Dipalo tsa Kgato ya Motheo ya Pegelo ya Pholisi ya Kharikhulamo le Tlhatlhabo e totobatsa le go tlhalosa diteng tse di tlhokegang tsa dipalo.

3.2 TOTOBATSO YA DITENG GO BONTSHA TSWELELOPELE

Manaane a thadiso ya kgato a bontsha dikgopolo le dikgono tse di totobetseng le tsweletso go tswa mo mophatong wa R go ya go wa 3. Manaane a thadiso ya kgato a bontsha tsweletso ya dikgopolo le dikgono go ralala dikgwed-itharo di le nne mo ngwageng.

Le gale, mo ditlhogong tse di rileng dikgopolo le dikgono di a tshwana mo mephatong e mebedi kgotsa e meraro e e latelanang. Tlhaloso ya diteng e tla neela dikaelo tse di bontshang gore tswelolepele e tshwanetse e dirwe jang mo mabakeng a a tshwanang le a. Ka moo, totobatso ya diteng e tshwanetse go buisiwa mmogo le tlhaloso ya diteng

Thadiso ya Kgato ya Motheo e bontsha tsweletso ya dikarolo tsa diteng; Dipalo, Matshwao le Dikgolagano, Dipaterone, Ditiriso le Alejebera, Boalo le Popego, Tekanyo le Go dira ka Dipalo tsa Tshedimosetso go tswa go mophatong wa R-3 jaaka e tlhagisitswe mo manaaneng a a fa tlase:

THADISO YA KGATO YA MOTHEO

1. DIPALO, DIOPEREISHENE LE DIKGOLAGANO

Kgatelopele mo Dipalong, Diopereishene le Dikgolagano

- Kgatelopele e kgolo ya Dipalo, Diopereishene le Dikgolagano e diragala ka ditseta di le tharo:
 - Tlhatlhamano ya dipalo e a oketsega
 - Mefuta e e farologaneng ya dipalo e a itsisiwe
 - Ditogamaano tsa palelo di a fetoga
- Fa tlhatlhamano ya dipalo ya dipalelo e oketsega go fitlha mo mophatong wa 3, barutwana ba tshwanetse go bontsha bokgoni jo bo lekaneng mo ditogamaanong tsa dipalelo.
- Mathata a a mo tirisong a tshwanetse go tsaya tsia tlhatlhamano ya dipalo tsa mophato mmogo le bokgoni jwa barutwana jwa go balela.

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
KGODISO YA PALOKGOPOLO: Bala o dirisa dipalotlalo				
1.1 Bala didiriswa	Bala didiriswa tse di kgonngwang Fopholetsa le go bala ka botshepegi, ka bonnye didiriswa go fitlha ka 10 letsatsi le letsatsi.	Bala didiriswa tse di kgonngwang Fopholetsa le go bala ka botshepegi, ka bonnye didiriswa go fitlha ka 50 letsatsi le letsatsi. Go bala ka ditlhopha go rotloediwe.	Bala didiriswa tse di kgonngwang Fopholetsa le go bala ka botshepegi, ka bonnye go fitlha ka 200 letsatsi le letsatsi. Go bala ka ditlhopha go rotloediwe.	Bala didiriswa tse di kgonngwang Fopholetsa le go bala ka botshepegi, ka bonnye go fitlha ka 1000 letsatsi le letsatsi. Go bala ka ditlhopha go rotloediwe.
1.2 Bala go ya pele le kwa morago	Go balela-pele le go balela morago ka bongwe go tloga ka 1 go fitlha ka 10. Dirisa dipalo tsa dipina le diraeme.	Go balela-pele le go balela morago ka bongwe go tloga ka palo nngwe le nngwe e e mo magareng ga 0 go fitlha ka 100 Go balela-pele ka: <ul style="list-style-type: none"> • bolesome (10s) go tloga ka katiso nngwe le nngwe ya bolesome e mo magareng ga 0 le 100 • bothano (5s) go tloga ka katiso nngwe le nngwe ya bothano e e mo magareng ga 0 le 100 • bobedi (2s) go tloga ka katiso nngwe le nngwe ya bobedi magareng ga 0 le 100 	Go balela-pele le go balela morago ka: <ul style="list-style-type: none"> • bongwe (1s) go tloga ka palo nngwe le nngwe e e mo magareng ga 0 le 200 • bolesome (10s) go tloga katiso nngwe le nngwe ya bo 10 e e mo magareng ga 0 le 200 • bothano (5s) go tloga ka palo nngwe le nngwe ya katiso ya 5 e e mo magareng ga 0 le 200 • bobedi (2s) go tloga ka palo nngwe le nngwe ya katiso ya 2 e e mo magareng ga 0 le 200 • boraro (3s) go tloga ka palo nngwe le nngwe ya katiso ya 3 e e mo magareng ga 0 le 200 • bone (4s) go tloga ka palo nngwe le nngwe ya katiso ya 4 e e mo magareng ga 0 le 200 	Go balela-pele le go balela morago ka: <ul style="list-style-type: none"> • bongwe (1s) go tloga ka palo nngwe le nngwe e e mo magareng ga 0 le 1000 • bolesome (10s) go tloga ka palo nngwe le nngwe ya katiso ya 10 e e mo magareng ga 0 le 1000 • bothano (5s) go tloga ka palo nngwe le nngwe ya katiso ya 5 e e mo magareng ga 0 le 1000 • bopedi (2s) go tloga ka palo nngwe le nngwe ya katiso ya 2 e e mo magareng ga 0 le 1000 • botharo (3s) go tloga ka palo nngwe le nngwe ya katiso ya 3 e e mo magareng ga 0 le 1000 • bonne (4s) go tloga ka palo nngwe le nngwe ya katiso ya 4 e e mo magareng ga 0 le 1000 • bo 20, bo 25, bo 50, bo 100 go fitlha bonnye ka 1000.

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
KGODISO YA PALOKGOPOLO: Kemedi ya palotlalo				
	Bua le go dirisa mainapalo mo tirisong e e tlhwaelegileng.			
1.3 Matshwaopalo le mainapalo	<p>Lemoga, tthaola le go buisa dipalo</p> <ul style="list-style-type: none"> Lemoga, tthaola le go buisa matshwaopalo go tloga ka 1 go fitlha 10 Lemoga, tthaola le go buisa mainapalo go tloga ka 1 go fitlha 10 	<p>Lemoga, tthaola le go buisa matshwaopalo</p> <ul style="list-style-type: none"> Lemoga, tthaola le go buisa letshwaopalo go tloga ka 1 go fitlha 100 Kwala letshwaopalo go tloga ka 1 le go fitlha 20 Lemoga, tthaola le go buisa mainapalo go tloga ka 1 go fitlha 10 Kwala leinapalo go tloga ka 1 go fitlha 10 	<p>Lemoga, tthaola le go buisa matshwaopalo</p> <ul style="list-style-type: none"> Lemoga, tthaola le go buisa matshwaopalo go tloga ka 0 go fitlha ka 200 Kwala matshwaopalo go tloga ka 0 go fitlha ka 100 Lemoga, tthaola le go buisa leinapalo go tloga ka 0 go fitlha ka 100 Kwala leinapalo go tloga ka 0 go fitlha 100. 	<p>Lemoga, tthaola le go buisa dipalo</p> <ul style="list-style-type: none"> Lemoga, tthaola le go buisa matshwaopalo go tloga ka 0 go fitlha ka 1000 Kwala matshwaopalo go tloga ka 0 go fitlha ka 1000 Lemoga, tthaola le go buisa mainapalo go tloga ka 0 go fitlha ka 1000 Kwala leinapalo go tloga ka 0 go fitlha 1000.
KGODISO YA KGOPOLOPALO: Tihalosa, bapisa le go rulaganya dipalotlalo				
1.4 Tihalosa, bapisa le go rulaganya dipalo	<p>Tihalosa, bapisa le go rulaganya kgobokanyo ya didiriswa go fitlha ka 10</p> <ul style="list-style-type: none"> Tihalosa palotlalo go fitlha ka 10 Bapisa dilo tse pedi tse o di neilweng o boelele gore ke efe e leng kgolo, nnye go, e kgolo go, e e lekanang le, e ntsi, tse mmalwa go fitlha ka 10 Rulaganya didiriswa tse di kgobokantsweng tse di fetang tse pedi go tloga go e nnye go ya go e kgolo go fitlha 10. 	<p>Tihalosa, bapisa le go rulaganya didiriswa go fitlha ka 20</p> <ul style="list-style-type: none"> Tihalosa le go bapisa didiriswa tse di kgobokantsweng go ya ka bontsi, bonnye le tse di tshwanang Tihalosa le go rulaganya didiriswa tse di kgobokantsweng go tloga ka tse dintsi go ya go tse di mmalwa le go tloga go tse mmalwa go ya go go tse dintsi. 		

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
1.4 Tlhalosa, bapisa le go rulaganya dipalo	Dirisa lebaditatelano go bontsha tatelano, lefelo kgotsa maemo: Godisa temoso ka ga lebadi tatelano sekao: ya nthla, ya bobedi, ya boraro go fitlha go ya borataro le ya bofelo.	Tlhalosa, bapisa le go rulaganya dipalo go fitlha ka 20 <ul style="list-style-type: none"> Tlhalosa le go bapisa palotlalo go ya ka e nnye go, e kgolo go le e ntsi go, le e lekanang le. Tlhalosa le go rulaganya dipalo go ya ka bonnye go fitlha ka bogolo le bogolo go fitlha ka bonnye. Dirisa lebaditatelano go bontsha thulaganyo, lefelo le maemo: Baya didiriswa mo moleng go tloga ka ya nthla go ya go ya lesome kgotsa ya nthla go fitlha ka ya bofelo sekao: ya nthla, ya bobedi, ya boraro..... Bo lesome.	Tlhalosa, bapisa le go rulaganya dipalo go fitlha 99 <ul style="list-style-type: none"> Tlhalosa le go bapisa palotlalo go fitlha 99 ka go dirisa bonnye go, kgolo go, ntsi go le e lekanang le. Tlhalosa le go rulaganya dipalo go fitlha ka 99 go tloga go e nnye go fitlha kwa go e kgolo le e kgolo go fitlha go e e nnye Dirisa lebaditatelano go bontsha thulaganyo, lefelo kgotsa maemo Baya didiriswa ka ya nthla go fitlha ka ya bosome-a-mabedi kgotsa ya nthla go fitlha ka ya bofelo sekao: ya nthla, ya bobedi, ya boraro.....ya bosomeamabedi.	Tlhalosa, bapisa le go rulaganya dipalo go fitlha 999 <ul style="list-style-type: none"> Tlhalosa le go bapisa palotlalo go fitlha 999 ka go dirisa nnye go ,kgolo go le e lekana le. Tlhalosa le go rulaganya palotlalo go fitlha ka 999 go tloga ka e nnye go fitlha ka e kgolo le e kgolo go fitlha go e nnye. Dirisa lebaditatelano go bontsha thulanyo, lefelo kgotsa maemo Dirisa, buisa le go kwala lebaditatelano o akaretse khutshwafatso (ya nthla, ya bobedi, ya boraro go fitlha ka ya bosomeamararo-nngwe)
KGODISO YA KGOPOLOPALO: Bolengkemedi				
1.5 Bolengkemedi		Simolola go lemoga bolengkemedi ba bonnye ba palopedi go fitlha ka 20 <ul style="list-style-type: none"> Tlhatlhamolola palomonopedi mo dikatisong tsa 10 le bongwe. 	Lemoga bolengkemedi ba bonnye ba palopedi go fitlha 99 <ul style="list-style-type: none"> Tlhatlhamolola palomonopedi go fitlha ka 99 mo dikatisong tsa 10 le bongwe. Tlhaola le go bolela bolengpalo jwa palo nngwe le nngwe. 	Lemoga bolengpalo jwa palotharogo fitlha ka 999 <ul style="list-style-type: none"> Tlhatlhamolola palomonotharo go fitlha ka 999 mo dikatisong tsa 100, dikatiso tsa 10 le bongwe/ diyuniti Tlhaola le go neela boleng jwa palo nngwe le nngwe.

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
GO RARABOLOLOLA MATHATA A MO TIRISONG				
1.6 Ditogamaano tsa go rarabolola dipalo	Dirisa ditogamaano tse di latelang go fitlha ka 10: <ul style="list-style-type: none"> • Didiriswa tse di kgonngwang sekao diboledi • Lere ya dipalo e e bonagalang 	Dirisa ditogamaano tse di latelang fa o rarabolola dipalo le go tthalosa ditharabololo tsa dipalo: <ul style="list-style-type: none"> • Didiriswa tse di kgonngwang sekao diboledi • Ditshwantsho go thala kang ya dipalo. • Go aga le go kgaoganya dipalo. • Go oketsa gabedi le go kgaoganya ka bogare. • Melapalo e e tshetswang ka didiriswa tse di kgonngwang 	Dirisa ditogamaano tse di latelang fa o rarabolola dipalo le go tthalosa ditharabololo tsa dipalo: <ul style="list-style-type: none"> • Dithalo kgotsa didiriswa tse di kgonngwang sekao diboledi • Go aga le go kgaoganya dipalo • Go oketsa gabedi le go kgaoganya ka bogare • melapalo • atametsa go bolesome 	Dirisa ditogamaano tse di latelang fa o rarabolola dipalo le go tthalosa tharabololo tsa dipalo: <ul style="list-style-type: none"> • Go aga le go kgaoganya dipalo • Go oketsa gabedi le go kgaoganya ka bogare. • melapalo • atametsa go bolesome
1.7 Go tihakanya le go ntsha	Rarabolola didipalofoko mo tirisong le go tthalosa tharabololo ya gago ya dipalo tse di akaretsang go tihakanya le go ntsha ka dikarabo tse di fitlhang go 10	Rarabolola dipalofoko mo tirisong le go tthalosa tharabololo ya gago ya dipalo tse di akaretsang go tihakanya le go ntsha ka dikarabo tse di fitlhang ka 20	Rarabolola dipalofoko mo tirisong le go tthalosa tharabololo ya gago ya dipalo tse di akaretsang go tihakanya le go ntsha ka dikarabo tse di fitlhang ka 99.	Rarabolola dipalofoko mo tirisong le go tthalosa tharabololo ya gago ya dipalo tse di akaretsang go tihakanya le go ntsha tsa dikarabo tse di fitlhang go 999
1.8 Tlhakanyo poeletso e e isang kwa go atiseng	Rarabolola didipalofoko mo tirisong le go tthalosa tharabololo ya gago ya dipalo tse di akaretsang go tihakanya le go poeletso ka dikarabo tse di fitlhang go 20.	Rarabolola dipalofoko mo tirisong le go tthalosa tharabololo ya gago ya dipalo o dirisa kaitiso ka dikarabo tse di fitlhang go 50.	Rarabolola dipalofoko mo tirisong le go tthalosa tharabololo ya gago ya dipalo o dirisa kaitiso ka dikarabo tse di fitlhang go 100.	Rarabolola dipalofoko mo tirisong le go tthalosa tharabololo ya gago ya dipalo o dirisa kaitiso ka dikarabo tse di fitlhang go 100.
1.9 Go kgobokanya le go kgaoganya lebiseditseng kwa go aroleng	Rarabolola le go tthalosa dipalofoko mo tirisong e e akaretsang go kgaoganya ka go lekana, go kgobokanya ka dipalotlalo go fitlha ka 10 le dikarabo tse di ka akaretsang sesala	Rarabolola le go tthalosa tharabololo ya dipalo di le mo tirisong tse di akaretsang go kgaoganya ka go lekana le go kgobokanya ka dipalotlalo tsa go fitlha ka 20 le dikarabo tse di ka akaretsang sesala.	Rarabolola le go tthalosa tharabololo ya dipalo tse di mo tirisong tse di akaretsang go kgaoganya ka go lekana le go kgobokanya go fitlha ka 50 le dikarabo tse di ka akaretsang sesala.	Rarabolola le go tthalosa tharabololo ya dipalo tse di mo tirisong tse di akaretsang go kgaoganya ka go lekana le go kgobokanya go fitlha ka 100 dikarabo tse di ka akaretsang sesala.
1.10 Kgaoganyo e telele ya palophatlo	Rarabolola le go tthalosa tharabololo ya dipalo tse di mo tirisong tse di akaretsang go kgaoganya ka go lekalekana e lebisitseng kwa tharabololong e e akaretsang dipalophatlo tse di tsamaelanang	Rarabolola le go tthalosa tharabololo ya dipalo tse di mo tirisong tse di akaretsang go kgaoganya ka go lekalekana e lebisitseng kwa tharabololong e e akaretsang dipalophatlo tse di tsamaelanang	Rarabolola le go tthalosa tharabololo ya dipalo tse di mo tirisong tse di akaretsang go kgaoganya ka go lekalekana e lebisitseng kwa tharabololong e e akaretsang dipalophatlo tse di tsamaelanang	Rarabolola le go tthalosa tharabololo ya dipalo tse di mo tirisong tse di akaretsang go kgaoganya ka go lekalekana e lebisitseng kwa tharabololong e e akaretsang dipalophatlo tse di tsamaelanang

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
1.11 Tšhelete ya papetlana	Godisa temogo ya tšhelete a papetlana le tšhelete a dipampiri a Aforika Borwa	<ul style="list-style-type: none"> Lemoga le go tithaola tšhelete a papetlana a Aforika Borwa (5c, 10c, 20c, 50c, R1, R2, R5) tšhelete a dipampiri R10, R20 Rarabolola dipalo tsa tšhelete a akaretsang palogotho le tšhelete a a salang fa o reka le go fetolela R20 go tšhelete a ditshipi ka bo 20c 	<ul style="list-style-type: none"> Lemoga le go tithaola tšhelete a papetlana a Aforika Borwa (le tšhelete a dipampiri) Rarabolola dipalo tsa tšhelete a akaretsang palogotho le tšhelete a a salang fa o reka le go fetolela R99 go tšhelete a ditshipi ka bo 90c 	<ul style="list-style-type: none"> Lemoga le go tithaola tšhelete othe a Aforika Borwa a tshipi/papetlana le a dipampiri Rarabolola dipalo tsa tšhelete a akaretsang palogotho le go fetolela diranta mo disenteng. Fetolela magareng ga diranta le disente
Palelo e e seng mo tirisong				
1.12 Dithekeniki/ Malepa (mekgwa kgotsa ditogamaano)		Dirisa ditogamaano tse di latelang go diragatsa palelo. <ul style="list-style-type: none"> Go thala kgotsa go dirisa didiriswa tse di kgonngwang sekao: dibadisi Go aga le go kgaoganya dipalo Go oketsa gabedi le go aroganya ka bogare Molapalo 	Dirisa ditogamaano tse di latelang go diragatsa palelo. <ul style="list-style-type: none"> Go thala kgotsa go dirisa didiriswa tse di kgonngwang, sekao dibadisi Go aga le go kgaoganya dipalo Go oketsa gabedi le go aroganya ka bogare Molapalo 	Dirisa ditogamaano tse di latelang go diragatsa palelo. <ul style="list-style-type: none"> Go aga le go kgaoganya dipalo Go oketsa gabedi le go aroganya ka bogare Molapalo Katametso go lesome
1.13 Go tihakanya le go ntsha/floso	Rarabolola dipalo tse di boletsweng ka go tihakanya le go ntsha mme o neele dittharabololo go fitlha ka 10	<ul style="list-style-type: none"> Tihakanya go fitlha ka Ntsha go tswa go fitlha ka Dirisa matshwao a a maleba (+, -, =, □) Ikatiso kgolagano ya dipalo tse di fitlhang go 	<ul style="list-style-type: none"> Tihakanya go Ntsha go tswa go Dirisa matshwao a maleba (+, -, =, □) Ikatiso kgolagano ya dipalo tse di fitlhang go 	<ul style="list-style-type: none"> Tihakanya go Ntsha go tswa go Dirisa matshwao a maleba (+, -, =, □) Ikatiso kgolagano ya dipalo tse di fitlhang go
1.14 Tihakanyo-poeletso e e lebisang kwa go atiseng		<ul style="list-style-type: none"> Tihakanya dipalo tse di tshwanang o di boeletsa go fitlha ka 20 Dirisa matshwao a a maleba (+, =, □) 	<ul style="list-style-type: none"> Atisa dipalo go fitlha go kale go palogotho ya Dirisa matshwao a a maleba (+, x, =, □) 	<ul style="list-style-type: none"> Atisa palo nngwe le nngwe go 2,3,4,5,10 go palogotho ya 100 Dirisa matshwao a a maleba (x, □)
1.15 Go arola				<ul style="list-style-type: none"> Arola dipalo tse di fitlhang go 100 ka 2,3,4,5,10 Dirisa matshwao a maleba (÷, =, □)

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>1.16 Dipalo tsa tlhogo</p>	<p>Dipalokgopolo: thathamano ya 10 Tirwana nngwe le nngwe e simolola ka dipalo tsa tlhogo</p> <ul style="list-style-type: none"> Go bala didiriswa letsatsi le letsatsi Go balela kwa pele le morago Go bala dipalo ka tatelano Opa diatla ga ntsi/gole gonnye ka nako Ke kopo efe ya diatla e e leng ntsi thatathata, nnye thatathata, ntsi go feta, nnye go feta. Ke palo efe e e latelang pele, morago, fa gare. 	<p>Dipalokgopolo: Tlathamano ya 20</p> <ul style="list-style-type: none"> Naya dipalo tse di mo pele le mo morago ga palo e o e neetsweng. Rulaganya sete ya dipalo e e neetsweng e e tlhophiliweng. Bapisa dipalo go fitlha go 20 mme o neele gore ke efe e e leng 1 le e e leng 2 go feta kgotsa e le nnye. <p>Gopola ka bonako:</p> <ul style="list-style-type: none"> Dintlha ka go tlhakanya le go ntsha go fitlha ka 10 	<p>Dipalokgopolo: Tlathamano ya 99</p> <ul style="list-style-type: none"> Rulaganya sete ya dipalo e e neetsweng e e tlhophiliweng. Bapisa dipalo go fitlha go 99 mme o neele gore ke efe e e leng 1, 2, 3, 4, 5 le 10 le e e fetang kgotsa e le nnye. <p>Gopola ka bonako:</p> <ul style="list-style-type: none"> Dintlha ka go tlhakanya le go ntsha go fitlha ka 20 Go tlhakanya kgotsa go ntsha dikatsanetso tsa ga 10 go tloga ka 0 go fitlha ka 100 	<p>Dipalokgopolo: Tlathamano ya 1000</p> <ul style="list-style-type: none"> Rulaganya sete ya dipalo e e neetsweng e e tlhophiliweng. Bapisa dipalo go fitlha go 1000 mme o neele gore ke efe e e leng 1, 2, 3, 4, 5 le 10 le e e fetang kgotsa e le nnye. <p>Gopola ka bonako:</p> <ul style="list-style-type: none"> Gakologelwa dintlha ka go tlhakanya le go ntsha go fitlha ka 20 Tlhakanya kgotsa ntsha dikatsanetso tsa 10 go tloga ka 0 go fitlha 100 Dintlha ka ga dikatso tsa: <ul style="list-style-type: none"> Mananeo a katso ya bo 2 e e nang le dikarabo go fitlha go 20 Mananeo a katso ya bo 10 e e nang le dikarabo go fitlha go 100 Dintlha ka ga arola dipalo: <ul style="list-style-type: none"> Dipalo tse di fitlhang ka 20 di kgona go arogangwa ka 2. Dipalo tse di fitlhang ka 100 di kgona go arogangwa ka 10. <p>Ditogamaano tsa palelo Dirisa ditogamaano tsa palelo go tlhakanya le go ntsha sentle:</p> <ul style="list-style-type: none"> Baya palo e kgolo pele gore o kgone go balela-pele kgotsa kwa morago. Molapalo Go oketsa gabedi le go aroganya ka bogare Go aga le go kgaoganya dipalo Dirisa dikgolagano magareng ga go tlhakanya le go ntsha. Dirisa dikgolagano magareng ga go atisa le go arola.

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>1.17 Dipalophatlo</p>			<ul style="list-style-type: none"> • Dirisa le go neela dipalophatlo tse di tsamaelanang le tse di sa tsamaelanang mo tirisong e e tswaelegileng e e akaretsang dihalofo, nnagwe-nneng, nngwe tharong, nngwe thatarong le nngwe tihanong. • Lemoga dipalophatlo mo popegong ya setshwantsho • Kwala dipalophatlo jaaka halofo. 	<ul style="list-style-type: none"> • Dirisa le go neela dipalophatlo tse di tsamaelanang le tse di sa tsamaelanang mo tirisong e e tswaelegileng e e akaretsang dihalofo, nnagwe-nneng, nngwe tharong, nngwe robeding, nngwe thatarong le nngwe tihanong. • Lemoga dipalophatlo mo popegong ya setshwantsho. • Simolola go lemoga dihalofo tse pedi kgotsa nngwe tharong tse pedi di bopa palotlalo e le nngwe le gore pedi-nneng e a lekalekana. • Kwala dipalophatlo jaaka halofo e le 1, pedi-tharong.

**THADISO YA KGATO YA MOTHEO
2. DIPATERONE, DITIRISO LE ALEJEBERA**

Tsweliso mo Dipateroneng, Ditiriso le Alejebera

- Mo Dipateroneng, Ditiriso le Alejebera, barutwana ba bona ditšhono tsa go:
 - Feleletsa le go atolosa dipaterone tse di tshwantshitsweng ka dipopego tse di farologaneng, le
 - Go tlaola le go tihalosa dipaterone.
- Go tihalosa dipaterone go thaya motheo mo barutwaneng ba Kgato ya Bogare go tihalosa melao ya dipaterone. Se, se tshomamsiwa mo Kgatong e Kgoiwane mo tirong ya Alejebera

DITENG	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>2.1 Dipaterone tsa Jeometeri</p>	<p>Kopolola le go atolosa Kopolola le go atolosa dipaterone tse di bonolo o dirisa didiriswa tse di kgonngwang le ditshwantsho (seka, dirisa mmala le dipopego)</p>	<p>Kopolola, atolosa le go tihalosa Kopolola , atolosa le go tihalosa ka mafoko</p> <ul style="list-style-type: none"> • dipaterone tse di bonolo tse di dirilweng ka didiriswa tse di kgonngwang • dipaterone tse di bonolo tse di tshwantshitsweng ka mela, dipopego kgotsa didiriswa <p>Bopa dipaterone tsa gago Bopa dipaterone tsa gago tsa Jeometeri</p> <ul style="list-style-type: none"> • Ka didiriswa tse di kgonngwang • ka go thala mela, dipopego kgotsa didiriswa <p>Dipaterone tse di re potapotileng Tlhaola, tihalosa ka mafoko le go kopolola dipaterone tsa Jeometeri</p> <ul style="list-style-type: none"> • mo tholegong • go tswa mo botshelong jwa matsatsi a gompieno • go tswa mo go tsa setso 	<p>Kopolola, atolosa le go tihalosa Kopolola , atolosa le go tihalosa ka mafoko</p> <ul style="list-style-type: none"> • dipaterone tse di bonolo tse di dirilweng ka didiriswa tse di kgonngwang • dipaterone tse di boima tse di ditshwantshitsweng ka mela, dipopego kgotsa didiriswa <p>Bopa le go tihalosa dipaterone tsa gago</p> <ul style="list-style-type: none"> • Ka didiriswa tse di kgonngwang • ka go thala mela, dipopego kgotsa didiriswa <p>Dipaterone tse di re potapotileng Supa, tihalosa ka mafoko le go kopolola dipaterone tsa thutotekatekanyo</p> <ul style="list-style-type: none"> • mo tholegong • go tswa mo botshelong jwa matsatsi a gompieno • go tswa mo go tsa setso 	<p>Kopolola, atolosa le go tihalosa Kopolola , atolosa le go tihalosa ka mafoko</p> <ul style="list-style-type: none"> • dipaterone tse di bonolo tse di dirilweng ka didiriswa • dipaterone tse di boima tse di ditshwantshitsweng ka mela, dipopego kgotsa didiriswa <p>Bopa le go tihalosa dipaterone tsa gago</p> <ul style="list-style-type: none"> • Ka didiriswa tse di kgonngwang • ka go thala mela, dipopego kgotsa didiriswa <p>Dipaterone tse di re potapotileng Supa, tihalosa ka mafoko le go kopolola dipaterone tsa thutotekatekanyo</p> <ul style="list-style-type: none"> • mo tholegong • go tswa mo botshelong jwa matsatsi a gompieno • go tswa mo go tsa setso
<p>2.2 Dipaterone tsa Dipalo</p>	<p>Kopolola, atolosa le go tihalosa Kopolola, atolosa le go tihalosa tatalano e e bonolo ya dipalo go fitlha go 100</p> <p>Bopa le go tihalosa dipaterone tsa gago</p>	<p>Kopolola, atolosa le go tihalosa Kopolola, atolosa le go tihalosa tatalano e e bonolo ya dipalo go fitlha go 200</p> <p>Bopa le go tihalosa dipaterone tsa gago</p>	<p>Kopolola, atolosa le go tihalosa Kopolola, atolosa le go tihalosa tatalano e e bonolo ya dipalo go fitlha go 999</p> <p>Bopa le go tihalosa dipaterone tsa gago</p>	<p>Kopolola, atolosa le go tihalosa Kopolola, atolosa le go tihalosa tatalano e e bonolo ya dipalo go fitlha go 999</p> <p>Bopa le go tihalosa dipaterone tsa gago</p>

THADISO YA KGATO YA MOTHEO
3. BOALO LE POPEGO (JEOMETERI)

Tsweliso/kgatelopele ya Boalo le Popego (Jeometeri)

Tsweliso/kgatelopele ya Boalo le Popego e fitlhelwa ka :

- go tsepama mo dipharologantshong le dipopego tse dintšhwa le didiriswa mo mophatong mongwe le mongwe, le
- go tswa mo go ithuteng puo ya maemo le go tshwantsha dikakanyo tse di farologaneng tsa didiriswa tse di tshwanang, go ya mo puisong le go sala di bala le go latela dikaelo morago mo dimmapeng tse di sa tihomamang

DITENG	MOPHATO WA R	MOPHATO 1	MOPHATO 2	MOPHATO 3
3.1 Maemo, kitsiso le dipono	<p>Puo ka ga maemo a didiriswa</p> <p>Tihalosa maemo a sediriswa se le sengwe mabapi le sediriswa se sengwe, sekao fa godimo ga, fa pele ga, fa morago, fa molemeng, fa mojeng, kwa godimo, kwa tlase, go bapa le.</p>	<p>Puo ka ga maemo a didiriswa</p> <p>Tihalosa maemo a sediriswa se le sengwe mabapi le sediriswa se sengwe, sekao fa godimo ga, fa pele ga, fa morago, fa molemeng, fa mojeng, kwa godimo, kwa tlase, go bapa le.</p>	<p>Puo ka ga maemo a didiriswa</p> <p>Tihalosa maemo a sediriswa se le sengwe mabapi le sediriswa se sengwe sekao fa godimo ga, fa pele ga, fa morago, fa molemeng, fa mojeng, kwa godimo, kwa tlase, go bapa le.</p>	
	<p>Maemo le dipono</p> <ul style="list-style-type: none"> • Lemoga le go bapisa dipono tse di farologaneng ka ga didiriswa tse di tshwanang tsa letsatsi le letsatsi 	<p>Maemo le dipono</p> <ul style="list-style-type: none"> • Lemoga le go bapisa dipono tse di farologaneng ka ga didiriswa tse di tshwanang tsa letsatsi le letsatsi 	<p>Maemo le dipono</p> <ul style="list-style-type: none"> • Lemoga le go bapisa dipono tse di farologaneng ka ga didiriswa tse di tshwanang tsa letsatsi le letsatsi • Neela leina la sediriswa sa letsatsi le letsatsi fa o bontshiwa sengwe se se sa tiwaelegang ka ga sona. • Buisa, ranola le go thala dimmapa tse di sa tihomamang, kgotsa kakanyokgolo ka ga didiriswa tse di kgobokantsweng. • Batla didiriswa mo dimmapeng. 	<p>Maemo le dipono</p> <ul style="list-style-type: none"> • Lemoga le go bapisa dipono tse di farologaneng ka ga didiriswa tse di tshwanang tsa letsatsi le letsatsi • Neela leina la sediriswa sa letsatsi le letsatsi fa o bontshiwa sengwe se se sa tiwaelegang ka ga sona. • Buisa, ranola le go thala dimmapa tse di sa tihomamang, kgotsa kakanyokgolo ka ga didiriswa tse di kgobokantsweng. • Batla didiriswa mo dimmapeng.
	<p>Maemo le dikaelo</p> <ul style="list-style-type: none"> • Latela dikaelo tsa go tsamaya mo phaphosing. • Latela ditaelo tsa go baya sediriswa se le sengwe go ya ka nyalano ya sona, sekao baya phensele ka fa morago ga lebokoso. 	<p>Maemo le dikaelo</p> <ul style="list-style-type: none"> • Latela dikaelo tsa go tsamaya mo phaphosing. 	<p>Maemo le dikaelo</p> <ul style="list-style-type: none"> • Latela dikaelo tsa go tsamaya mo phaphosing. • Neela dikaelo tsa go tsamaya mo phaphosing le mo sekolong. • Latela dikaelo go tloga mo lefelong le rileng go ya go le lengwe mo mmapeng o o sa tihomamang. 	<p>Maemo le dikaelo</p> <ul style="list-style-type: none"> • Latela dikaelo tsa go tsamaya mo phaphosing. • Neela dikaelo tsa go tsamaya mo phaphosing le mo sekolong. • Latela dikaelo go tloga mo lefelong le rileng go ya go le lengwe mo mmapeng o o sa tihomamang.

DITENG	MOPHATO WA R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>3.2 Didiriswa tsa tekanothakoretharo/matlhakoretharo (3-D)</p>	<p>Tlathamano ya didiriswa Lemoga le go neela leina la didiriswa tsa tekanothakoretharo (3-D) mo phaphosing</p> <ul style="list-style-type: none"> • Dipopego tsa bolo • Dipopego tsa mabokose <p>Diponagalo tsa didiriswa Tlhalosa, tlhaola le go bapisa didiriswa tsa tekanothakoretharo go ya ka:</p> <ul style="list-style-type: none"> • bogolo • mmala • didiriswa tse di kgokologang • didiriswa tse di relelang <p>Ditirwana tse di lebelelwang</p> <ul style="list-style-type: none"> • Dirisa didiriswa tsa tekanothakoretharo (3-D) jaaka diboloko tse di agang, didiriswa tse di latlhiweng mme di ka dirisiwa gape, jalo jalo go bopa didiriswa tse di kopaneng sekao dithawa, ,marogo jalo jalo 	<p>Tlathamano ya didiriswa Lemoga le go neela leina la didiriswa tsa tekanothakoretharo (3-D) mo phaphosing</p> <ul style="list-style-type: none"> • Dipopego tsa bolo • Dipopego tsa mabokose <p>Diponagalo tsa didiriswa Tlhalosa, tlhaola le go bapisa didiriswa tsa tekanothakoretharo go ya ka:</p> <ul style="list-style-type: none"> • bogolo • mmala • didiriswa tse di kgokologang • didiriswa tse di relelang <p>Ditirwana tse di lebelelwang</p> <ul style="list-style-type: none"> • Tlhokomela le go aga didiriswa tsa tekanothakoretharo (3-D) a dirisa didiriswa tse di kgongwang jaaka diboloko tse di agang, didiriswa tse di latlhiweng mme di ka dirisiwa gape, didiriswa tsa kago. 	<p>Tlathamano ya didiriswa Lemoga le go neela leina la didiriswa tsa tekanothakoretharo (3-D) mo phaphosing le mo ditshwantshong</p> <ul style="list-style-type: none"> • Dipopego tsa bolo (spheres) • Dipopego tsa mabokose (porisimo) • selenere • phiramiti • dikhouu <p>Diponagalo tsa didiriswa Tlhalosa, tlhaola le go bapisa didiriswa tsa tekanothakoretharo go ya ka:</p> <ul style="list-style-type: none"> • dipopego tlhakorepedi tse di bopang difatlhego tsa didiriswa tsa tekanothakoretharo (3-D) • Boalo jo bo rapaletseng kgotsa jo bo obegileng/legaba kgotsa <p>Ditirwana tse di lebelelwang</p> <ul style="list-style-type: none"> • Lebelela le go aga didiriswa tsa tekanothakoretharo (3-D) a dirisa didiriswa tse di kgongwang jaaka dipopego tsa tekanothakorepedi (2-D) tse di segolotsweng, mmu wa seloko, matlhokwa a a ntshang dijo mo menong, didiriswa tsa tekanothakoretharo (3-D) tsa Jeometeri. 	<p>Tlathamano ya didiriswa Lemoga le go neela leina la didiriswa tsa tekanothakoretharo (3-D) mo phaphosing le mo ditshwantshong</p> <ul style="list-style-type: none"> • Dipopego tsa bolo (spheres) • Dipopego tsa mabokose (porisimo) • selenere • phiramiti • dikhouu <p>Diponagalo tsa didiriswa Tlhalosa, tlhaola le go bapisa didiriswa tsa tekanothakoretharo go ya ka:</p> <ul style="list-style-type: none"> • dipopego tlhakorepedi tse di bopang difatlhego tsa didiriswa tsa tekanothakoretharo (3-D) • Boalo jo bo rapaletseng kgotsa jo bo obegileng/legaba kgotsa <p>Ditirwana tse di lebelelwang</p> <ul style="list-style-type: none"> • Lebelela le go aga didiriswa tsa tekanothakoretharo (3-D) a dirisa didiriswa tse di kgongwang jaaka dipopego tsa tekanothakorepedi (2-D) tse di segolotsweng, mmu wa seloko, matlhokwa a a ntshang dijo mo menong, didiriswa tsa tekanothakoretharo (3-D) tsa Jeometeri.

DITENG	MOPHATO WA R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>3.3 Dipopego tsa tekanyopedi (2-D)</p>		<p>Tatelano ya dipopego Lemoga le go neelana ka leina la popego tekanyopedi (2-D)</p> <ul style="list-style-type: none"> • didiko • dikhutlotharo • dikhutlonne <p>Diponagalo tsa dipopego Tihalosa, tthaola le go bapisa dipopego tsa tekanothakorepedi (2-D) go ya ka:</p> <ul style="list-style-type: none"> • bogolo • mmala • matlhakore a tihamaletseng • matlhakore a a potokwe 	<p>Tatelano ya dipopego Lemoga le go neelana ka leina la popego tekanyopedi (2-D)</p> <ul style="list-style-type: none"> • didiko • dikhutlotharo • dikhutlonne • dikhutlonnetsepa <p>Diponagalo tsa dipopego Tihalosa, tthaola le go bapisa dipopego tsa tekanyithakorepedi (2-D) go ya ka:</p> <ul style="list-style-type: none"> • bogolo • mmala • mathakore a a tihamaletseng • mathakore a a potokwe 	<p>Tatelano ya dipopego Lemoga le go neelana ka leina la popego tekanyopedi (2-D)</p> <ul style="list-style-type: none"> • didiko • dikhutlo-tharo • dikhutlo-nne • dikhutlonne-tsepa <p>Diponagalo tsa dipopego Tihalosa, tthaola le go bapisa dipopego tsa tekanothakorepedi (2-D) go ya ka:</p> <ul style="list-style-type: none"> • bogolo • mmala • matlhakore a tihamaletseng • matlhakore a potokwe <p>Thala dipopego</p> <ul style="list-style-type: none"> • didiko • dikhutlo-tharo • dikhutlo-nne • dikhutlonne-tsepa
<p>3.4 Tekano</p>	<p>Tekano</p> <ul style="list-style-type: none"> • Lemoga kgaogano gabedi mo mmeleng wa gago. 	<p>Tekano</p> <ul style="list-style-type: none"> • Lemoga kgaogano gabedi mo mmeleng wa gago. • Lemoga le go thala mola wa bogare mo dipopegong tsa tekanothakorepedi (2-D) le dipopego tse e seng tsa Jeometeri 	<p>Tekano</p> <ul style="list-style-type: none"> • Lemoga le go thala mola wa bogare mo dipopegong tsa tekanothakorepedi (2-D) le dipopego tse e seng tsa Jeometeri 	<p>Tekano</p> <ul style="list-style-type: none"> • Lemoga le go thala mola wa bogare mo dipopegong tsa tekanothakorepedi (2-D) le dipopego tse e seng tsa Jeometeri • Lemoga mola wa bogare wa tekano mo pampiring e e menilweng e e bonagalang

THADISO YA KGATO YA MOTHEO

4. TEKANYO

Kgatelopele mo tekanyong

- Kgatelopele e kgolo mo go lekanyetseng go kgabaganya mephato e fitlhelelwa ka kitsiso ya:
 - Mekgwa e mešwa ya tekanyo
 - Didiriswa tse dintšhwa tsa tekanyo, o simolola ka didiriswa tse di sa tlhomamang o ya kwa go tse di tlhomameng mo mophatong wa 2 le 3;
 - Dijuniti tse dintšhwa tsa tekanyo, bogolo jang mo mephatong ya 2 le 3
- Go balela le go rarabolola dipalo ka go tekanyetsa di tshwanetse go tsaya tiro e e setseng e dirilwe tsia.

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
4.1 Nako	<p>Tsamao ya nako</p> <p>Tlotla ka go tsamaya ga nako</p> <ul style="list-style-type: none"> • Bua ka ga dilo tse di diragalang motshegare le bosigo. • Barutwana ba rulaganya ka ditiragalo tse di diragalang motshegare tatelano • Ba rulaganya ditiragalo tsa ka gale tse di diragalang mo matsshelong a bona. 	<p>Tsamao ya nako</p> <p>Tlotla ka ga go tsamaya ga nako</p> <ul style="list-style-type: none"> • Ba rulaganya ditiragalo tsa ka gale tse di diragalang mo matsshelong a bona. • Bapisa boleele jwa nako o dirisa puo, sekao, leele, khutshwane, bonako, bonya. • Rulaganya ditiragalo o dirisa puo, jaaka maabane, gompieno' le 'ka moso'. 		

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>4.1 Nako</p>		<p>Bua ka ga nako</p> <ul style="list-style-type: none"> • Dirisa puo go tihalosa fa sengwe se diragala, sekao, mosong, thapama, bosigo, phakela, lotlatlana • Neela matsatsi a beke le dikgwedi tsa ngwaga ka tatelano. • Kwala matsatsi a botsala mo khalentareng. 	<p>Bua ka ga nako</p> <ul style="list-style-type: none"> • Neela matsatsi a beke le dikgwedi tsa ngwaga ka tatelano. • Kwala matsatsi a botsalo, meletlo ya tsa sedumedi, matsatsi a boikhutso, ditiragalo tsa hisitori, le ditiragalo tsa thuto mo khalentareng. • Dirisa diura go bua ka nako ya diura di le 12, halofo ya diura le kgweditharo ya diura. <p>Balela boleele jwa nako le go tsamaya ga nako</p> <ul style="list-style-type: none"> • Dirisa khalentara go balela le go tihalosa boleele jwa nako go ya ka: <ul style="list-style-type: none"> - Matsatsi - Dibeke • Dirisa tshupanako go balela boleele jwa nako go ya ka: <ul style="list-style-type: none"> - Diura - Halofo ya ura 	<p>Bua ka ga nako</p> <ul style="list-style-type: none"> • Buisa leitha mo alemanakeng. • Kwala matsatsi a botsalo , meletlo ya sedumedi,matsatsi a boikhutso, matsatsi a di tiragalo tsa histori le ditiragalo tsa thuto mo khalentareng • Bua nako ya diura di le 12 ka: <ul style="list-style-type: none"> • Diura • Halofo ya diura • Kgweditharo ya ura • Metsotso • Mo tshupanako ya manaka le mo go ya panya-panya le selefouno. <p>Balela boleele jwa le go tsamaya ga nako</p> <ul style="list-style-type: none"> • Dirisa khalentara go balela le go tihalosa boleele jwa nako mo: <ul style="list-style-type: none"> - Matsatsi - Dibeke - Dikgwedi • Fetolela magareng ga matsatsi le dibeke • Fetolela magareng ga dibeke le dikgwedi. • Dirisa tshupanako go bua ka boleelele jwa nako ka: <ul style="list-style-type: none"> - Diura - Halofo ya diura - Kgweditharo ya diura

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
4.2 Boleele	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Bapisa le go rulaganya boleele, bogodimo,kgotsa bophara,jwa dilo tse pedi kgotsa go feta ka go di bapisa.Dirisa puo go bua ka ga papiso sekao: telele, khutshwane, telele thata, sephara thata 	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Bapisa le gorulaganya boleele, bogodimo,kgotsa bophara,jwa dilo tse pedi kgotsa go feta ka go di bapisa.Dirisa puo go bua ka ga papiso sekao: telele, khutshwane, telele thata, sephara thata Phopholetsa, lekanya, bapisa, rulaganya le go kwala boleele o dirisa selekanyo se se sa tihomamang sekao: boalo jwa letsogo,boleele jwa phensele le dabadisi. Tihalosa boleele jwa didiriswa ka go bala le go kwala boleele o dirisa dithekanyo tse di sa tihomamang. 	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Phopholetsa, lekanya, bapisa, rulaganya le go kwala boleele o dirisa selekanyo se se sa tihomamang sekao: boalo jwa lebogo,boleele jwa phensele le dabadisi. Tihalosa boleele jwa didiriswa ka go bala le go kwala boleele o tihalosa gore boleele jwa tsona ke bokae fa o dirisa ditsele tse di sa tihomamang 	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Phopholetsa, lekanya, bapisa, rulaganya le go kwala boleele o dirisa selekanyo se se sa tihomamang sekao: boalo jwa lebogo,boleele jwa phensele le di badi. Tihalosa boleele jwa didiriswa ka go bala le go kwala boleele o tihalosa gore boleele jwa tsona ke bokae fa o dirisa ditsele tse di sa tihomamang
4.3 Boima / Bokete	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Lekanya le go rulaganya bokete jwa didiriswa tse pedi kgotsa go feta ka go di tshwara kgotsa go dirisa sekale. 	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Fopholetsa, lekanya, bapisa le go rulaganya o kwala bokete o dirisa sekale le dikale tse e seng tsa nnete jaaka ditene le diboloko. 	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Fopholetsa, lekanya, bapisa le go rulaganya o kwala bokete o dirisa sekale le dikale tse eseng tsa nnete jaaka ditene le diboloko. 	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Fopholetsa, lekanya, bapisa, rulaganya le go kwala boleele o dirisa ditsele tse di sa tihomamang (gongwe o ka dirisa dithupana tse di arogantsweng ka dimetara kgotsa mogala wa boleele jwa dimetara) jaaka selekanyetsi se se tihomamang sa boleele. Fopholetsa le go lekanya boleele o dirisa sediriswa se se thalang mola se se nang le disentimetara (Ga go tshokagale gore dimetara di fetolelwe mo disentimetareng)

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>4.3 Boima / Bokete</p>	<ul style="list-style-type: none"> Dirisa puo go bua ka ga papiso sekao bofelo, boima, bofelo thata, boima thata 	<ul style="list-style-type: none"> Tihalosa bokete jwa didiriswa ka go bala le go kwala bokete o dirisa ditsela tse di sa tihomamang Dirisa puo go bua ka ga papiso ya boima, boima thata, bofelo, boima thata 	<ul style="list-style-type: none"> Tihalosa bokete jwa didiriswa ka go simolola ka go bala o kwala bokete/ boima o dirisa diyuniti tse di sa tihomamang. Dirisa puo go bua ka ga papiso, sekao, bofelo, boima, bofelo thata, boima thata. <p>Itsise ka ga go lekanyetsa go go tihomameng</p> <ul style="list-style-type: none"> Bapisa, rulaganaya le go kwala bokete jwa dilo tse di rekisiwang tse di nang le bokete/boima jo bo kwadiwang ka dikilogram, sekao, dikilogram tse 2 tsa raese le kilogram e 1 ya folouru. Lekanyetsa bokete jwa gago ka go dirisa sekale sa ntlwana ya go tihapela se se nang le dikilogram 	<ul style="list-style-type: none"> Tihalosa bokete jwa didiriswa ka go bala o kwala bokete ka diyuniti tse di sa tihomamang. Dirisa puo go bua ka papiso ya sekao bofelo, boima, bofelo thata le boimathata <p>Itsise ka ga go lekanyetsa go go tihomameng</p> <ul style="list-style-type: none"> Bapisa, rulaganaya le go kwala bokete jwa dilo tse di rekisiwang jo bokete jwa tsona bo leng ka diyuniti tsa bokete jaaka kilogram sekao: Dikilogram di le 2 tsa mmopo le kilogram e le 1 ya reisi. Dikerama sekao dikerama tse 500 tsa letswai Lekanya bokete jwa gago ka dikilogram, dirisa sekale sa phaposi ya go tihapela. (Ga go fetolelwe magareng ga dikilogram le dikerama tse di tihokagalang)
<p>4.4 Mothamo / Bolumu</p>	<p>Go lekanya go go sa tihomamang</p> <ul style="list-style-type: none"> Bapisa le go rulaganya selekanyo (mothamo) sa metsi mo teng ga dikgamelo tse pedi di bapisitswe. Barutwana ba netefatsa ka go tshela metsi mo setshelong sa boraro fa go tihokagala. Bapisa le go rulaganya selekanyo (bolumu) sa metsi se dikgamelo tse pedi di ka tladwang ka sona. Dirisa puo go bua ka ga papiso sekao: e ntsi go, e nnye go, e tletse, e lolea. 	<p>Go lekanya go go sa tihomamang</p> <ul style="list-style-type: none"> Bapisa le go rulaganya selekanyo (mothamo) sa metsi mo teng ga dikgamelo tse pedi di bapisitswe. Barutwana ba netefatsa ka go tshela metsi mo kgamelong ya boraro fa go tihokagala. Bapisa le go rulaganya selekanyo (bolumu) sa metsi se dikgamelo tse pedi di ka tladwang ka sona. Dirisa puo go bapisa jaaka: ntsi thata, nnye go, tletse le lolea. Fopholetsa, lekanya, bapisa, rulaganya le go kwala mothamo wa dikgamelo o dirisa diyuniti tse di sa tihomamang, sekao dikopi le maswana. 	<p>Go lekanya go go sa tihomamang</p> <ul style="list-style-type: none"> Fopholetsa, lekanya, bapisa le go kwala selekanyo sa mothamo wa dikgamelo (go raya gore selekanyo se kgamelo e ka se tsayang fa e tladitswe) o dirisa dilekanyetso tse di sa tihomamang sekao maswana le dikopi. 	<p>Go lekanyetsa go go sa tihomamang</p> <ul style="list-style-type: none"> Fopholetsa, lekanya, bapisa le go kwala selekanyo sa mothamo wa dikgamelo (go raya gore selekanyo se kgamelo e ka se tsayang fa e tladitswe) o dirisa dilekanyetso tse di sa tihomamang sekao maswana le dikopi.

SETLHOGO	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>4.4 Mothamo / Bolumu</p>		<ul style="list-style-type: none"> Tihalosa mothamo wa dikgamelo ka go bala le go kwala gore go tlatsa kgamelo go tsaya diyuniti di le kae tse di sa tihomamang tsa dikopi tse nne. 	<ul style="list-style-type: none"> Tihalosa mothamo wa dikgamelo ka go bala le go kwala gore ke diyuniti tse di sa tihomamang tse kae tse o ka tlatsang kgamelo ka tsona sekao bottolo e na le mothamo wa dikopi tse nne. <p>O itsese ka ga ditsela tse di tihomameng</p> <ul style="list-style-type: none"> Fopholetsa, lekanya, bapisa, rulaganya le go kwala mothamo wa didiriswa ka go dirisa ditekanyo tsa diletara, halofo ya litara le kwatara ya letara. Bapisa, rulaganya le go kwala mothamo wa didiriswa tse di phuthetsweng go kwadiwe diletara mo go tsona sekao diletara tse 2 tsa mashi, le litara e le 1 ya senotsididi, diletara tse 5 tsa pente 	<ul style="list-style-type: none"> Tihalosa mothamo wa dikgamelo ka go bala le go kwala gore ke diyuniti tse di sa tihomamang tse kae tse o ka tlatsang kgamelo ka tsona sekao bottolo e na le mothamo wa dikopi tse nne. <p>O itsese barutwana ka go dirisa ditsela tse di tihomameng</p> <ul style="list-style-type: none"> Fopholetsa, lekanya, bapisa, rulaganya le go kwala mothamo wa didiriswa ka go dirisa ditekanyo tsa diletara, halofo ya litara le kwatara ya letara. Bapisa, rulaganya le go kwala mothamo wa didiriswa tse di phuthetsweng go kwadiwe diletara mo go tsona sekao diletara tse 2 tsa mašwi, le letara e le 1 ya senotsididi, diletara di le 5 tsa pente kgotsa di kwadiwe ka dimililetara sekao dimililetara di le 500 tsa mašwi, dimililetara di le 340 tsa senotsididi, dimililetara di le 750 tsa oli. Itse gore kopi e e tswaelegileng e e tihomameng ke dimililetara di le 250. Itse gore leswana le le nnye le le tswaelegileng le le tihomameng ke dimililetara di le 5 <p>(Ga go thokege phetolelo ya dimililetara le diletara)</p>
<p>4.5 Boleele jwa molelwane wa selo(perimeta) le boatlhamo(Area)</p>				<p>Boleele jwa molelwane wa selo (Perimeta)</p> <p>Batlisisa sekgala se go dikologa tekanyothakorepopepedi (2-D) le didiriswa tsa tekanyothakore tharo (3-D) ka go dirisa papiso e e leaganeng kgotsa diyuniti tse di sa tihomamang.</p> <p>Boatlhamo (Area)</p> <p>Batlisisa boatlhamo o dirisa dithaele.</p>

THADISO YA KGATO YA MOTHEO
5. GO DIRA KA TSHEDIMOSEISO YA DIPALO

Kgatelopele mo go direng ka dipalo tsa tshedimoseiso

- Kgatelopele e kgolo mo go lekanyetseng tsamaiso ya tshedimoseiso go kgabaganya mephato e fitlhelelwa ka kitsiso ya:
 - tswelela mo go direng ka didiriswa go ya go dira ka tshedimoseiso le
 - dira ka dipopego tse dintshwa tse di dirang ka tshwantshiso ya tshedimoseiso
- Barutwana ba tshwanetse go go dira ka tshedimoseiso e e feleletseng bonnye ngwaga ofthe-se se akaretsa go kgobokanya le go rulaganya tshedimoseiso, go tshwantsha tshedimoseiso, go utolola, ranola le go bega tshedimoseiso
- Dingwe tsa dinthla tse di fa godimo tsa go dira ka dipalo tsa tshedimoseiso di ka dirwa jaaka ditirwana tse di kgethegileng

DITENG	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
5.1 Kgobokanya le go tihaoa didiriswa	Kgobokanya le go rulaganya didiriswa kgobokanya le go tihaoa didiriswa tse di kgonngwang letsatsi le letsatsi	Kgobokanya le go rulaganya didiriswa tse di kgonngwang. Kgobokanya le go tihaoa didiriswa tse di kgonngwang letsatsi le letsatsi		
5.2 Bapisa Tshwantshisa didiriswa tse di tshaotsweng di bo di kgobokanngwa	Tshwantshisa didiriswa tse di tshaotsweng di bo di kgobokanngwa Tihaoa setshwantsho sa didiriswa tse di kgobokantsweng	Tshwantshisa didiriswa tse di tshaotsweng di bo di kgobokanngwa Tihaoa setshwantsho sa didiriswa tse di kgobokantsweng		
5.3 Buisana le go bega ka ga didiriswa tse di tshaotsweng di kgobokantswe	Buisana le go bega ka ga didiriswa tse di tshaotsweng di kgobokantswe • Araba dipotso ka: - Gore kgobokanyo e tshaotswe jang - Mothalo o o bontshang kgobokanyo	Buisana le go bega ka ga didiriswa tse di tshaotsweng di kgobokantswe • Neela mabaka a gore kgobokanyo e tshaotswe jang • Araba dipotso ka ga: - Tihao e dirilwe jang (dikgato/thulaganyo) - Didiriswa tse di tshaotsweng di lebega jang(kungo) • Tihaloso ya kgobokanyo /mothalo • Tihalosa ya gore kgobokanyo e tshaotswe jang		

DITENG	MOPHATO R	MOPHATO 1	MOPHATO 2	MOPHATO 3
<p>5.4 Kgobokanya le go rulaganya dipalo tsa tshedimisetso</p>		<p>Kgobokanya le go rulaganya dipalo tsa tshedimisetso.</p> <p>.Kgobokanya dipalo tshedimisetso ka phaposi kgotsa sekolo go araba dipotso tse di bodiwang ke morutabana</p>	<p>Kgobokanya le go rulaganya dipalo tsa tshedimisetso</p> <p>Kgobokanya dipalo tshedimisetso ka phaposi kgotsa sekolo go araba dipotso tse di bodiwang ke morutabana</p>	<p>Kgobokanya le go rulaganya dipalo tsa tshedimisetso</p> <p>Kgobokanya dipalo tshedimisetso ka phaposi kgotsa sekolo go araba dipotso tse di bodiwang ke morutabana</p> <p>Rulaganya dipalo tshedimisetso tse di neetsweng ke morutabana kgotsa di le mo bukeng ya tirokwakelelo</p> <p>Rulaganya dipalo tshedimisetso go ya ka</p> <p>Mananeo</p> <p>Maduo a lekalakanang</p> <p>Lenaaneng</p>
<p>5.5 Emela tshedimisetso ya dipalo</p>		<p>Emela tshedimisetso ya dipalo.</p> <ul style="list-style-type: none"> Emela tshedimisetso mo kerafong ya setshwantsho. Kerafo e lekanyeditsweng go nyalana ka bongwe- ka -bongwe (1 to 1) 	<p>Emela tshedimisetso ya dipalo.</p> <ul style="list-style-type: none"> Emela tshedimisetso mo kerafong ya setshwantsho. Kerafo e lekanyeditsweng go nyalana ka bongwe- ka -bongwe 	<p>Emela tshedimisetso ya dipalo.</p> <ul style="list-style-type: none"> Rulaganya tshedimisetso mo: <ul style="list-style-type: none"> Tshwantshisa tshedimisetso mo Kerafong e lekanyeditsweng go nyalana ka bongwe- ka- bongweU Molanoko
<p>5.6 Utolola le go ranola dipalo tsa tshedimisetso</p>		<p>Utolola le go ranola dipalo tsa tshedimisetso</p> <p>Araba dipotso ka dipalo tshedimisetso mo kerafong ya setshwantsho</p> <ul style="list-style-type: none"> se se lekanyeditsweng go nyalana ka bongwe- ka -bongwe 	<p>Utolola le go ranola dipalo tsa tshedimisetso</p> <p>Araba dipotso ka tshedimisetso ya dipalo mo setshwantshong</p> <ul style="list-style-type: none"> se se lekanyeditsweng go nyalana ka bongwe- ka –bongwe. 	<p>Utolola le go ranola dipalo tsa tshedimisetso</p> <p>Araba dipotso ka tshedimisetso ya dipalo</p> <ul style="list-style-type: none"> setshwantsho se se lekanyeditsweng go nyalana ka bongwe- ka- bongwe Molanoko

3.3 TLHALOSO YA DITENG

Mo karolong e ya tlhaloso ya diteng, barutabana ba neetswe:

- thadiso ya kgweditharo ya Mophato R-3
- tatelano ya ditlhogo e e tsitshintsweng go ya ka dikgweditharo: ga se dintlha tsotlhe tsa ditlhogo tse di rutiwang mo kgweditharong, dingwe tsa dintlha tsa ditlhogo tse di rileng, di tlhoka go rutiwa pele ga dintlha tsa ditlhogo tseo;
- Nako e e tshitshintsweng ya ditlhogo mo tsamaong ya ngwaga. Diteng le ditlhogo dingwe tsa dirutwa di tlhoka nako e ntsi go feta tse dingwe, ditlhogo tse dingwe, le
- Tlhaloso ya diteng le dikaelo tsa go ruta mmgogo le dikao, di neetswe mo go maleba.

Diteng tsa serutwa sengwe le sengwe di kgaogantswe go ya ka ditlhogo. Diteng tsa dirutwa tsotlhe di tshwanetse go rutiwa kgweditharo nngwe le nngwe. Tatelano ya ditlhogo go ya ka dikgweditharo di naya kakanyo ya kgaoganyo ya ditlhogo tse di tlhokang go rutwa mo ngwageng le tse di tlhokang go boelediwa mo ngwageng. Ga go bothokwa go ruta ditlhogo tsotlhe fa o ruta Boalo le Popego (Jeometri), Tekanyo le go dira ka tshedimosetso ya Dipaloalo mo kgweditharong nngwe le nngwe. Le gale, ditlhogo tsotlhe di tshwanetse go rutiwa mo tsamaong ya ngwaga

Mo kgaolong ya bobedi (temana 2.6) boleng jwa diteng tsa serutwa bo neetswe. Fa se, se kopanngwa le diura tse di rebotsweng mo ngwageng o kgona go tlhakanya diura tsa diteng tsa serutwa sengwe le sengwe.

Barutabana ba ka nna ba ithophela go rulaganya le gobaya nako e morutabana a tshwanetseng go e dirisetsa go ruta serutwa ka mokgwa o o farologaneng le o o atlenegisitsweng mo kgaolong e. Barutabana ba ka nna ba fetola nako e e thitshintsweng ya ditlhogo tse di neetsweng go le gonnye. Le gale, ba tshwanetse go tlhokomela boleng le diura tse di abetsweng diteng tsa serutwa mo Kgatong ya Motheo wa serutwa sa Dipalo

- **Mophato R-** Dipalo di mo sebopegong sa tshimologo ya dipalo, ka jalo ga di a kgaoganngwa ka dinako tsa dithuto. Morutabana wa mophato R o tshwanetse go tsenyeletsa dipalo mo ditirwaneng tsa letsatsi le letsatsi tsa morutwana le fa nako e tshwanetse go bewa kwa thoko mo tsamaong ya letsatsi mo morutabana a tsepamang fela mo tirwaneng ya dipalo, e seng jalo, barutwana ga ba kitla ba nna le temogo le kgodiso ya dikgopolo le dikgono tsa dipalo tse di lebeleletsweng.
- Nako ya Mephato ya 1-3 e abilwe ka tsela e e latelang:
 - **Diura di le supa di tshwanetse go dirisediwa go ruta Dipalo mo bekeng** (dibeke tse 10 x dikgweditharo tse 4 x diura di le 7=Diura di le 280 ka ngwaga)
 - Thuto nngwe le nngwe ya Dipalo ya mophato 1 go fitlha 3 e tshwanetse go rutwa mo ureng e le nngwe le metsotso e le 24 ka letsatsi.
 - Se se raya gore go na le dikgweditharo di le nne tsa dibeke di le 10 ka matsatsi a le matlhano letsatsi le letsatsi (go simologa ka Mosupologo go fitlha ka labotlhano) mo dithutong tsa beke.
 - Mo tshimologong ya kgweditharo nngwe le nngwe, go tshwanetse ga nna le beke eo mo go yona go kaelwang le go tiisiwa tiro e e fetileng, ka gore bana ba na le go le bale diteng tse dintsi ka nako ya matsatsi a boikhutso le go tswa mo tlwaelong ya go ya kwa sekolong. Letlelela beke e le nngwe mo bokhutlong jwa kgweditharo go tiisa kitso ka ga dikgopolo. Se se go naya $8 \times 4 \times 5 =$ dithuto tse 160

3.4 TATELANO LE NAKO E E TLHAOLETSWENG DITENG

Mophato wa R-3 o neetswe manaane a a latelang a kgweditharo nngwe le nngwe:

- Nako e e tlhaoleletsweng ditlhogo tsa ngwaga otlhe (e bontsha kgaoganyo ya ditlhogo mo kgabaganyong ya dikgweditharo le go atlenegisa nako e e tshwanetseng go dirisiwa mo setlhogong sengwe le sengwe sa diteng tsa serutwa)
- Tatelano ya ditlhogo mo ngwageng (e bontsha gore ditlhogo di abilwe jang mo kgweditharong le tsewetso ya dikgopolo le dikgono mo kgabaganyong ya dikgweditharo)
- Dintlha tse di tlhalosang di neetswe go ya ka setlhogo sengwe le sengwe- manaane a, neela tlhaloso ya diteng le dikaelo tsa setlhogo sengwe le sengwe jaaka se latedisitswe mo kgabaganyong ya dikgweditharo

Thulaganyetsothuto – kabo ya nako mo kgweditharong go ya ka setlhogo

Thuto ya dipalo ke setlhogo se se botlhokwa thata mo Kgatong ya thuto ya Motheo ya serutwa sa Dipalo. Mo nakong e ntsi, beke nngwe le nngwe, kgweditharo le mo ngwageng, e tsepamedisitswe mo thutong ya Dipalo, Matshwao le Dikgolagano. Mo seleanong, dithuto tse tharo kgotsa go feta mo bekeng e le nngwe di tshwanetse go tsepamisiwa mo Dipalong, Matshwao le Dikgolagano. Nako e nngwe, e e salang e kgaoganngwe magareng ga dirutwa tse dingwe.

Boalo le Popego le Tekanyo di tlhoka nako e ntsi le kelotlhoko go feta dipalo tsa go dira ka Tshedimosetso le Dipaterone, ditiro le Alejebera. Manaane a a fa tlase a supa gore ke dithuto di le kae tse di ka abelwang diteng tsa serutwa sengwe le sengwe le setlhogo sa mophato mogwe le mongwe mo Dipateroneng, Ditirisong le Alejebera, Boalo le Popego, Tekanyo le dipalo tse di dirang ka tshedimosetso.

Kabelano ya diteng tsa serutwa le ditlhogo mo dithutong mo mophatong wa R

Popego ya dipalo mo mophatong wa R, ke ya dipalo tsa tshimologo ka ga moo nako e e latelang e e abilweng e tshitsinyeditswe tsepamiso mo thutong ya dipalo ga mmogo le ditirwana tse di sa tlhomamang. Se, se netefatsa kakaretso e e feletseng mo diteng tsa serutwa tse di neetsweng. Ditirwana tsa dipalo tsa tshimologo e ka nna go bala palo ya di dijelo le dibikiri tse o ba nayang tsone fa ba ja, go bala metshameko e e tshamikiwang kwa ntle, metshameko e e tshamekiwang mo teng ga phaposi jaaka ditomino le dijikiso phasele jalo jalo. Morutabana o tshwanetse go rulaganya ditirwana tsotlhe go ya ka ditlhokego tsa barutwana le didirswa tse di leng teng mo phaposeng.

Boalo le popego ke karolo e e botlhokwa ya kgolo ya morutwana yo monnye mo dipalong, e tshwanetse go anamisiwa mo bekeng, ka ditiragalo tse dingwe tse di tsepamisitsweng ka fa tlase ga kaelo ya morutabana le ditšhono tsa go aga, mmu le motshameko wa metsi le barutwana

Tekanyo e tshwanetse ga akarediwa mo ditirwaneng tsa go bala, sekao go fopholetsa le go bala o lekanya sekgala ka diatla, maoto le dikgato

Go tshwaya rejisitara le tšhate ya maemo a bosa go naya morutabana tšhono ya **Go dira ka Dipalo tsa tshedimosetso**

Lenaane 3.1: Kabo ya nako go ya ka diteng tsa beke

Diteng tsa serutwa	Ditlhogo	Nako e e tsitshintsweng
Dipalo, Matshwao le Dikgolagano	Go bala Temogo ya dipalo Supa le go tlhalosa dipalotlalo Kgopolopalo Go rarabolola dipalo	Metsotso e le 120
Dipaterone, Ditiriso le Alejebera	Kopolola, atolosa le go aga dipaterone tsa bone	Metsotso e le 80
Boalo le Popego (Jeometeri)	Lemoga, tlhopha le go neela maina a tekanyo ya popegopedi (2-D) le ditshwantsho Tekanyo ya popego Aga dipopego tekanyo ya tlhakoretharo (3-D) o dirisa didiriswa tse di kgonngwang. Dikamano tsa boalo Dikaelo	Metsotso e le 80
Tekanyo	Nako Boleele Boima Mothamo	Metsotso e le 80
Go dira ka dipalo tsa tshedimosetso	Kgobokanya, tlhaola, tshwantsha, bala le go emela tshedimosetso	Metsotso e le 60
Palogotlhe		Metsotso e le 420 Diura di le 7 ka beke

• **Kabo ya diteng tsa serutwa le ditlhogo tsa dithuto tsa Mephato 1 go ya go 3**

Palogare ya dithuto di le tharo mo bekeng (magareng ga diura di le 4 le $4\frac{1}{2}$) e dirisetswa go ruta Dipalo, Matshwao le Dikgolagano mo Mephato 1, 2 le 3. Dithuto tse pedi tse di salang (ke gore tse di mo magareng ga diura di le $2\frac{1}{2}$ le 3) di kgaogangwe fa gare ga ditlhogo tse dingwe tsa diteng tsa dirutwa go ya ka mokgwa o o tsitshintsweng fa tlase.

Lenaneo 3.2: Palo ya dithuto tse di tsitshintsweng tsa diteng tsa serutwa tsa kgweditharo tsa Mophato 1

DITENG TSA SERUTWA	SETLHOGO	NOMERE YA DITHUTO				Gotlhe
		Kgwed-itharo 1	Kgwed-itharo 2	Kgwed-itharo 3	Kgwed-itharo 4	
Dipalo, matshwao le dikgolagano	Ditlhogo tsothe tsa Dipalo, matshwao le dikgolagano	22	30	28	25	105
Dipaterone mediro le Alejebera	Dipaterone tsa Dipalo	3	3	3	3	12
	Dipaterone tsa tekano	1	1	1	1	4
Boalo le popego (Tekano)	Tekatekanyo ya dipopegotlhakorepedi (2-D)		3		3	6
	Tekanyo ya popegotlhakoretharo (3 D)	3		2	1	6
	Maemo, kitsiso, le dikakanyo	2			1	3
	Tekatno			1	1	2
Tekano	Nako	2				2
	Boleele	2		2		4
	Boima	2			2	4
	Mothamo/bolumu	1	2		1	4
Go dira ka Dipalo tsa tshedimosetso	Kgobokanya, rulaganya le go lokolola didiriswa	2	1			3
	Sediko sotlhe sa tshedimosetso			3		3
	Dikarolo tsa sediko sa tshedimosetso				2	2
Palo yotlhe ya dithuto		40	40	40	40	160

Lenaneo 3.3: Palo ya dithuto tse di tsitshintsweng tsa diteng tsa serutwa tsa kgweditharo tsa Mophato 2

DITENG TSA SERUTWA	SETLHOGO	NOMERE YA DITHUTISO				Gotlhe
		Kgwed-itharo 1	Kgwed-itharo 2	Kgwed-itharo 3	Kgwed-itharo 4	
Dipalo, matshwao le dikgolagano	Ditlhogo tsotlhe tsa Dipalo, matshwao le dikgolagano	24	25	24	26	99
Dipaterone, ditiriso le Alejebera	Dipaterone tsa Dipalo	3	3	3	3	12
	Dipaterone tsa Tekanyo	1	1	1	1	4
Boalo le popego (Jeometeri)	Dipopego tsa tekanyotlhakoreopedi (2-D)		3		3	6
	Dipopego tsa tekanyotlhakoretharo (3 D)	3		2	1	6
	Maemo, kitsiso le dikakanyo		2	1		3
	tekanyo		1		1	2
Tekanyo	Nako	3	1	3	1	8
	Boleele	3			1	4
	Boima		3		1	4
	Mothamo/bolumu			3	1	4
	Perimeta					
	Area					
Go dira ka Dipalo tsa tshedimisetso	Sediko sa tshedimisetso yotlhe	3		3		6
	Dikarolo tsa sediko sa tshedimisetso		1		1	2
Palo yotlhe ya dithutio			40	40	40	160

Papetlana 3.4: Palo ya dithuto tse di tsitshintsweng tsa diteng tsa serutwa tsa kgweditharo tsa Mophato 3

DITENG TSA SERUTWA	SETLHOGO	NOMERE YA DITHUTISO				Gotlhe
		Kgwed-itharo 1	Kgwed-itharo 2	Kgwed-itharo 3	Kgwed-itharo 4	
Dipalo, matshwao le dikgolagano	Ditlhogo tsotlhe tsa Dipalo, matshwao le dikgolagano	26	22	19	27	94
Dipaterone, mediro le Alejebera	Popegopalo	3	3	3	3	12
	Dipaterone tsa tekanyo	1	1	1	1	4
Boalo le popego (JEOMETERI)	Dipopego tekanyotlhakore pedi (2-D)	2		2		4
	Dipopego tekanyotlhakore tharo (3 D)		3	3	1	7
	Maemo, kitsiso le dikakanyo		2	3		5
	Tekano		2		1	3
Tekanyo	Nako	3	2	3	2	10
	Boleele		2	2		4
	Boima		2		1	3
	Mothamo/bolumu	2			1	3
	Perimeta			1		1
	Area				2	2
Go dira ka dipalo tsa tshedimisetso	Sediko sa tshedimisetso yotlhe	3		3		6
	Dikarolo tsa sediko sa tshedimisetso		1		1	2
Palo yotlhe ya dithuto		40	40	40	40	160

• Thadiso ya Mophato R ya kgweditharo

THADISO YA DIPALO YA MOPHATO R 1. DIPALO, MATSHWAO LE DIKGOLAGANO				
GO BALA				
DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>1.1</p> <p>Bala didiriswa (Fopholetsa le go bala didiriswa go aga palokgopolo)</p>	<p>Tlhatlhamano ya palo 1-5</p> <ul style="list-style-type: none"> Nyalano ya bongwe-ka-bongwe Itsise ka ga karata ya mothusi le mokgwa o dilapolsi di neelwang ka tatelano ka teng Bala ka bongwe didiriswa tse di kgongngwang dikarolo tsa mmele gol opa diatla lba kiba-kiba/go gataka maoto ka thata go palama mapalamo Poeletso ya go bala dipalo - diraeme tsa dipalo le dipina 	<p>Tlhatlhamano ya palo: 1-7</p> <ul style="list-style-type: none"> Nyalano ya bongwe-ka-bongwe Tiisa tiriso ya karata ya mothusi letsatsi le letsatsi Bala ka bongwe didiriswa tse di kgongngwang dikarolo tsa mmele gol opa diatla go kiba-kiba/go gataka maoto ka thata go palama mapalamo Poeletso ya go bala dipalo - diraeme tsa dipalo le dipina Opa diatla gantsi / go le gonnnye 	<p>Tlhatlhamano ya palo: 1 to 10</p> <ul style="list-style-type: none"> Nyalano ya bongwe-ka-bongwe Tiisa tiriso ya karata ya mothusi letsatsi le letsatsi Bala ka bongwe didiriswa tse di kgongngwang dikarolo tsa mmele gol opa diatla lba kiba-kiba/go gataka maoto ka thata go palama mapalamo Poeletso ya go bala dipalo - diraeme tsa dipalo le dipina Opa diatla gantsi / gannnye Ke palo efe ya go opa diatla e ntsi/e nnye 	<p>Tlhatlhamano ya palo: 0 to 10</p> <ul style="list-style-type: none"> Nyalano ya bongwe-ka-bongwe Tiisa tiriso ya karata ya mothusi letsatsi le letsatsi Bala ka bongwe didiriswa tse di kgongngwang dikarolo tsa mmele gol opa diatla Kiba-kiba/go gataka maoto ka thata go palama mapalamo Poeletso ya go bala dipalo - diraeme tsa dipalo le dipina Opa diatla gantsi / gannnye Ke palo efe ya go opa diatla e ntsi/e nnye
<p>1.2</p> <p>Bala go ya pele le kwa morago</p>	<p>Tlhatlhamano ya palo: 1</p> <p>Go ipalela o dirisa diraeme tsa dipalo le dipina, dibadisi, didiriswa tsa tekanyothakoretharo (3-D), go bala o dirisa dikarolo tsa mmele</p> <p>Bala ka:</p> <ul style="list-style-type: none"> bongwe 	<p>Tlhatlhamano ya palo: 1 - 4</p> <p>Go ipalela o dirisa diraeme tsa dipalo le dipina, dibadisi, didiriswa tsa tekanyothakoretharo (3-D), go bala o dirisa dikarolo tsa mmele</p> <p>Bala ka:</p> <ul style="list-style-type: none"> bongwe 	<p>Tlhatlhamano ya palo: 1 - 7</p> <p>Go ipalela o dirisa diraeme tsa dipalo le dipina, dibadisi, didiriswa tsa tekanyothakoretharo (3-D), go bala o dirisa dikarolo tsa mmele le dipalo ya llere</p> <p>Bala ka:</p> <ul style="list-style-type: none"> bongwe 	<p>Tlhatlhamano ya palo: 0 - 10</p> <p>Go ipalela o dirisa diraeme tsa dipalo le dipina, dibadisi, didiriswa tsa tekanyothakoretharo (3-D), go bala o dirisa dikarolo tsa mmele</p> <p>Bala ka:</p> <ul style="list-style-type: none"> bongwe bobedi

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>1.3 Letshwaopalo le leinapalo (Lemoga le go supa matshwaopalo le mainapalo)</p>	<p>Tlhatlhamano ya palo:</p> <ul style="list-style-type: none"> • Matshwaopalo: 1 • Mainapalo: nngwe - Motshameko wa go dirisa mmele (go itemogela ka mmele) - Didiriswa tse di kgonngwang jaaka didiriswa tsa tekanothakoretharo (3-D) tse di akaretsang nngwe - Didiriswa tse di kgonngwang go le gonnye ka dikarata tsa ditshwantsho tse di akaretsang nngwe - Didiriswa tse di kgonngwang go le gonnye tse di nang le dikarata tsa marontho a a akaretsang nngwe • Tiisa kitso e a e ungwileng e e akaretsang dipalo nngwe 	<p>Tlhatlhamano ya palo:</p> <ul style="list-style-type: none"> • Matshwaopalo: 2 - 4 • Mainapalo: pedi, tharo, nne. - Motshameko wa go dirisa mmele (go itemogela ka mmele) - Didiriswa tse di kgonngwang jaaka didiriswa tsa tekanothakoretharo (3-D) tse di akaretsang dipalo 2, 3 le 4 - Didiriswa tse di kgonngwang go le gonnye ka dikarata tsa ditshwantsho tse di akaretsang nngwe dipalo 2, 3 le 4 - Didiriswa tse di kgonngwang go le gonnye ka dikarata tsa ditshwantsho tse di akaretsang dipalo 2, 3 le 4 • Tiisa kitso e a e ungwileng e e akaretsang dipalo 1 go fitha ka 4 	<p>Tlhatlhamano ya palo:</p> <ul style="list-style-type: none"> • Matshwaopalo: 5 - 7 • Mainapalo: tlhano, thataro, supa - Motshameko wa go dirisa mmele (go itemogela ka mmele) - Didiriswa tse di kgonngwang jaaka didiriswa tsa tekanothakoretharo (3-D) tse di akaretsang dipalo 5, 6 le 7 - Didiriswa tse di kgonngwang go le gonnye ka dikarata tsa ditshwantsho tse di akaretsang dipalo 5, 6 le 7 - O dira ka didiriswa tse di nang le marontho a a akaretsang dipalo 5, 6 le 7 • Tiisa kitso e a e ungwileng e e akaretsang dipalo 1 go fitha ka 7 	<p>Tlhatlhamano ya palo:</p> <ul style="list-style-type: none"> • Matshwaopalo: 0 - 10 • Mainapalo: lefeia, robedi, robongwe, lesome - Motshameko wa go dirisa mmele (go itemogela ka mmele) - Didiriswa tse di kgonngwang jaaka didiriswa tsa tekanothakoretharo (3-D) tse di akaretsang dipalo 0, 8, 9 le 10 - Didiriswa tse di kgonngwang go le gonnye ka dikarata tsa ditshwantsho tse di akaretsang dipalo 0, 8, 9 le 10 - Didiriswa tse di kgonngwang go le gonnye ka dikarata tsa ditshwantsho tse di akaretsang dipalo 0, 8, 9 le 10 • Tiisa kitso e a e ungwileng e e akaretsang dipalo 1 go fitha ka 10

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>TEMOGO YA DIPALO</p> <p>1.4 Tihalosa, bapisa le go rulaganya dipalo Dirisa dipalo ka bokao jo bo tiwaelegileng</p>	<p>Dirisa dipalo ka bokao jo bo tiwaelegileng</p> <ul style="list-style-type: none"> • Morutwana o tshwanetse go itse dingwaga tsa gagwe • Go tshwaya rejisitara letsatsi le • Dirisa ditsela tse di farologaneng go tshwaya rejisitara ya letsatsi le letsatsi sekao <ul style="list-style-type: none"> - A morutwana yo o nang le leishwao la bebetsididi/ setshwantsho o teng gompieno? - A morutwana yo leina la gagwe e leng Ntobeko o teng gompieno? - A morutwana yo leina la gagwe e leng Ntobeko le wa sefane sa Lobelo, o teng gompieno? • Supa dipalo mo ditshwantshong le dikarata tse di nang le marontho • Tshameka motshameko wa dikarata tsa dipalo 	<p>Dirisa dipalo ka bokao jo bo tiwaelegileng</p> <ul style="list-style-type: none"> • Morutwana o tshwanetse go itse dipalo ya ntlo le aterese ya gagwe • Tiisa tiriso ya dipalo ka go feleleisa rejisitara ya kgweditharo ya ntho <ul style="list-style-type: none"> - A morutwana yo o dulang mo dipalong ya ntlo ya 123 o teng gompieno? - A morutwana yo o dulang mo mmileng wa Wendy 123 o teng gompieno? - A morutwana yo o nang le mogala/ ka dipalo ya 082 1234567 o teng gompieno? • Supa dipalo mo ditshwantshong le mo maronthong (dots) • Tshameka motshameko wa dikarata tsa dipalo • Supa dipalo mo phasalatsong/ dipampiri ng tsa tshedimoseito, dikarata tsa matsalo tsa kgale jalo jalo 	<p>Dirisa dipalo ka bokao jo bo tiwaelegileng</p> <ul style="list-style-type: none"> • Morutwana o tshwanetse go itse dipalo tsa mogala le tsa mogala wa lotheke (dipalo tsa motsadi) • Tiisa tiriso ya dipalo ka go feleleisa rejisitara ya kgweditharo ya ntho • A morutwana yo o ketekang letsatsi la gagwe la matsalo ka di 16 Mopitwe, o teng gompieno? 	<p>Dirisa dipalo ka bokao jo bo tiwaelegileng</p> <ul style="list-style-type: none"> • Tiisa kitso e e mabapi le dingwaga tsa morutwana, dipalo ya ntlo, aterese, dipalo ya mogala/mogala wa lotheke • Tiisa tiriso ya dipalo ka go feleleisa rejisitara ya kgweditharo ya ntho • Ke barutwana ba le ba kae ba ba sa tlang sekolong gompieno? Re ka batlisa jang? Bana ba buisana ka se magareng ga bona. <ul style="list-style-type: none"> - Fopholetsa - Bala dikhaboto tse di lolea - Bala ditulo tse di lolea • Supa dipalo mo ditshwantshong le mo dikarateng tsa marontho (dots) • Tshameka motshameko wa dikarata tsa dipalo • Supa dipalo mo phasalatsong/ dipampiring tsa tshedimoseito, dikarata tsa matsalo tsa bogologolo, jalo jalo • Supa dipalo mo dimakasineng

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
KGOPOLOPALO (DIKGOLAGANO)				
<p>1.4</p> <p>Tlhalosa, bapisa le go rulaganya dipalo</p> <p>(Supa le go tlhalosa dipalotlalo)</p> <p>Bapisa dilo tse di kgobokantsweng tse di neilweng mme o bue gore ke dife tse pedi tse pedi tse di:</p> <p>a) Tona /kgolo le nnye</p> <p>b) Kgolo/tona thata le e nnye thata</p> <p>c) Nnye thata thata le tona thata thata</p> <p>Bapisa dilo tse di kgobokantsweng tse di neilweng mme o bue gore ke dife tse pedi tse di:</p> <p>a) Ntsi go</p> <p>b) Nnye go</p> <p>c) Lekanang le (tshwana le)</p>	<p>Tlhatlhamano ya palo: 1</p> <ul style="list-style-type: none"> Supa le go tlhalosa dipalotlalo go fitlha ka 1 <p>Bapisa dilo tse di kgobokantsweng tse di neilweng mme o bue gore ke dife tse pedi tse di:</p> <ul style="list-style-type: none"> Tona/kgolo le nnye Tona /kgolo thata le nnye thata Nnye thata thata le tonna thata thata (itsise kgopolo) Rulaganya dilo tse di fetang tse pedi tsa didiriswa tse di kgobokantsweng, go tloga go e nnye thata go ya go e tona/kgolo thata le tona thata go ya go e nnye thata 	<p>Tlhatlhamano ya palo: 1 to 5</p> <ul style="list-style-type: none"> Supa le go tlhalosa dipalotlalo go fitlha ka 2,3 le 4 Tiisa dipalo 1 go fitlha ka 4 	<p>Tlhatlhamano ya palo: 1 to 7</p> <ul style="list-style-type: none"> Supa le go tlhalosa dipalotlalo go fitlha ka 5,6 le 7 Tiisa dipalo 1 go fitlha ka 7 	<p>Tlhatlhamano ya palo: 0 to 10</p> <ul style="list-style-type: none"> Supa le go tlhalosa dipalotlalo go fitlha ka 8,9,10 Tiisa dipalo 0 go fitlha ka 10 <ul style="list-style-type: none"> Ntsi go, nnye go, lekana Ntsi le nnye, sekao, go opa diatla ka tshoganyetso. O botse dipotse gore ke opile diatla ga kaebobedi, la boraro, la bone , la botlhano, la borat

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>Palokemotatelano</p>	<p>Godisa temogo ya palokemotatelano ka tshoganyetso sekao, la nthha, la bobedi, la boraro....la bofelo</p> <ul style="list-style-type: none"> • Itsise ka nako ya dijo le ka nako ya tiwaelo ya ntloboithusetso – ya nthha, ya bobedi, bofelo, e e tiang 	<p>Godisa temogo ya palokemotatelano ka tshoganyetso sekao, la nthha, la bobedi, la boraro....la bofelo</p> <ul style="list-style-type: none"> • Boeletsa dipalokemotatelano ka tshoganyetso fa bana ba ya ntlwaneng ya boithusetso • Ka nako ya ditirwana tsa Ikatiso ya Mmele ya serutwa sa Dikgono tsa Botshelo, • Le ka nako ya ditirwana tsa botaki jwa boithamedi (mo go tshwanetseng teng) 	<p>Godisa temogo ya palokemotatelano ka tshoganyetso sekao, la nthha, la bobedi, la boraro, la bone, la botlhano....la bofelo</p> <ul style="list-style-type: none"> • Boeletsa dipalokemotatelano ka tshoganyetso fa bana ba ya ntlwaneng ya boithusetso • Ka nako ya ditirwana tsa Ikatiso ya Mmele ya serutwa sa Dikgono tsa Botshelo, 	<p>Godisa temogo ya palokemotatelano ka tshoganyetso sekao, la nthha, la aro....la bofelo</p> <ul style="list-style-type: none"> • Itsise palokemotatelano-la nthha, la bobedi, la boraro • Boeletsa dipalokemotatelano ka tshoganyetso ka tshoganyetso fa bana ba ya ntlwaneng ya boithusetso • Le ka nako ya ditirwana tsa botaki jwa boithamedi (mo go tshwanetseng teng)
<p>RARABOLOLA DIPALO MO TIRISONG O DIRISA DITOGAMAANO TSE DI LATELANG:</p>				
<p>1.6 Ditogamaano tsa go rarabolola dipalo (Dirisa malepa le ditogamaano tse di latelang)</p>	<p>O dirisa malepa a a latelang:</p> <ul style="list-style-type: none"> • Didiriswa tse di kgonngwang, sekao, dibadisi 	<p>O dirisa malepa a a latelang:</p> <ul style="list-style-type: none"> • Didiriswa tse di kgonngwang, sekao, dibadisi 	<p>O dirisa malepa a a latelang:</p> <ul style="list-style-type: none"> • Didiriswa tse di kgonngwang, sekao, dibadisi • Llere ya dipalo 	<p>O dirisa ditogamaano tse di latelang:</p> <ul style="list-style-type: none"> • Didiriswa tse di kgonngwang, sekao, dibadisi • Llere ya dipalo

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>1.7</p> <p>Go tlhakanya le go ntsha/flosa</p> <p>Rarabolola dipalo tsa mafoko ka go bua (dipalo tsa kgang) le go tihalosa diharabololo tsa bona o akaretsa:</p> <p>a) Go tlhakanya le go ntsha Dipalo tse dikarabo tsa tsona di fitlhelelang ka 10</p> <p>1.9</p> <p>Go kgobokanya le go kgaoganya go go lebiseditseng kwa go aroleng</p> <p>(Kgaoganyo le kgobokanyo e e lekanang ba dirisa dipalotlalo tse di fitlhang ka 10 tsa dikarabo tse di akaretsang sesala)</p>		<ul style="list-style-type: none"> • Dirisa dibadisi le go rarabolola dipalo ka molomo tse di akaretsang dipalo 2,3 le 4 • Gatelela tharabololo ya dipalo tse di akaretsang dipalo 1 go fitlha ka 4 	<ul style="list-style-type: none"> • Dirisa dibadisi le go rarabolola dipalo ka molomo tse di akaretsang dipalo 5,6 le 7 • Gatelela tharabololo ya dipalo tse di akaretsang dipalo 1 go fitlha ka 7 	<ul style="list-style-type: none"> • Dirisa dibadisi le go rarabolola dipalo ka molomo tse di akaretsang dipalo 8,9,10 le 0 • Gatelela tharabololo ya dipalo tse di akaretsang dipalo 1 go fitlha ka 10

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>1.11 Tšhelete</p>	<p>Tšhelete</p> <ul style="list-style-type: none"> • Kgodiso ya temogo ya tšhelete a papetlana a Aforika Borwa 20c, 50c, R1, R2, R5 • Supa mmala le phologolo e e tshwantshitsweng mo tšheleteng mangwe le mangwe • Supa go tshwana le go farologana magareng ga tšhelete a dipapetlana, sekao, tšhelete a a tshamekang go ya ka mmala le bogolo. • Neelana ka tšhelete a motshameko mo sekhutlwaneng sa kwa gae 	<p>Tšhelete</p> <ul style="list-style-type: none"> • Kgodiso ya temogo ya tšhelete a pampiri a Aforika Borwa R10, R20, R 50, R100, R200 • Supa go tshwana le go farologana magareng ga tšheletea dipampiri, sk. Rulaganya tšhelete a a tshamekang go ya ka mmala le bogolo. • Neelana ka tšhelete a motshameko mo sekhutlwaneng sa kwa gae 	<p>Tšhelete</p> <ul style="list-style-type: none"> • Neelana ka tšhelete a go tshameka mo sekhutlwaneng sa kwa gae 	
<p>BALELA O DIRISA:</p>				
<p>1.13 Go tlhakanya le go ntsha/flosa (O rarabolola ka go tlhakanya le go ntsha dipalo tse di neilweng tse di neilweng ka molomo tse dikarabo tsa tsona di dikarabo tsa tsona di fitlhang ka 10)</p>		<p>O rarabolola ka go tlhakanya le go ntsha dipalo tse di neilweng ka molomo tse dikarabo tsa tsona di fitlhang ka 4</p>	<p>O rarabolola ka go tlhakanya le go ntsha dipalo tse di neilweng ka molomo tse dikarabo tsa tsona di fitlhang ka 7</p>	<p>O rarabolola ka go tlhakanya le go ntsha dipalo tse di neilweng ka molomo tse dikarabo tsa tsona di fitlhang ka 10</p>

Mefuta ya Dipalo tsa Mophato R

Dipalo tse di newang barutwana ba Mophato wa R di tshwanetse go akaretsa didiriswa tse di fitlhelwang mo phapos-ing, sekao, dibadisi, bana, ditlhako, o seka wa dira dikao ka dimonamone, mebutlwa, dithunya/malomo, jalo jalo. Ga se bana botlhe ba bannye ba ba kgonang go dira e kete dibadisi kgotsa menwana ke mebutla-ba tlhoka didiriswa ka bo bona. Morutabana a ka nna a dirisa ditshwantsho fela mo halofong ya bobedi ya ngwaga. Didiriswa tse di kgonng-wang le tsona di tshwanetse go ka bolokiwa-ditshwantsho di ka tlaleletsa, mme di seka tsa emela didiriswa tse di kgonngwang. Dithupana di ka dirisiwa fa morutabana a tlhoka didiriswa/dithusathuto.

Dipalo tse di latelang di bontsha mefuta ya dipalo, mme di tshwanetse go fetolwa ke morutabana go tshwanela maemo a barutwana a go tlhologanya.

Kgobokanyo

Go na le dikuku di le robedi (morutabana o ntsha dibadisi di le robedi kgotsa o bontsha barutwana setshwantsho sa dikuku di le robedi) Tlotlo o newa dikuku di le pedi letsatsi le letsatsi. O ya go newa dikuku matsatsi a le makae?

Kgaoganyo

Go na le dikuku di le thataro. (Morutabana o ntsha dibadisi di le thataro kgotsa o bontsha barutwana setshwantsho sa dikuku di le thataro). Dibera di le tharo di tshwanetse go kgaoganya dikuku gore tsotlhe di bone dipalo e e tshwanang ya dikuku. Bera e le nngwe e ya go bona dikuku di le kae?

Tlhakanya, ntsha, tlhakanya ka go boeletsa

Bana ba le babedi ba na le matlho a le makae?

Bana ba le bane ba na le ditsebe di le kae?

Go na le menwana e le mekae mo seatleng se le sengwe?

Go na le menwana e le mekae mo diatleng di le pedi?

Masego o na le didiriswa di le thataro. O naya Boitumelo di le pedi. O na le dibadisi di le kae jaanong?

Barutabana ba tshwanetse go kopanya mefuta ya dipalo letsatsi le letsatsi. Ba tshwanetse go oketsa bogolo jwa dipalo tse ba di dirisang ka bonya, ga ba tshwanela go ikakanyetsa gore barutwana ga ba kgone go dira ka dipalo tse di tonna/kgolo.

THADISO YA DIPALO YA MOPHATO R
2. DIPATERONE LE DITIRISO (XXX)

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>2.2 Dipaterone tsa Dipalo tsa Jeometeri (Kopolola le go atolosa dipaterone tse di bonolo tse di ipoeletsang o dirise didiriswa tse di kgongwang le ditshwantsho) Itlamele dipaterone tse di boeletsang</p>	<ul style="list-style-type: none"> • Supa dipaterone mo diaparong, didirisweng le mo tikologong • Kopolola o feleletse dipaterone • Kopolola dipaterone o dirisa mmele jaaka seletswa • Kopolola, feleletsa le go itlhamela dipaterone 	<ul style="list-style-type: none"> • Kopolola, feleletsa le go itlhamela dipaterone • Kopolola paterone e e neetsweng o dirisa tšhelete a dipapetana 	<ul style="list-style-type: none"> • Kopolola, feleletsa le go itlhamela dipaterone ka ditshwantsho 	<ul style="list-style-type: none"> • Kopolola, feleletsa le go itlhamela dipaterone tsa kutlo • Kopolola paterone ya modumo • Tshameka motshameko wa paterone wa sekotshe

THADISO YA DIPALO YA MOPHATO R 3. BOALO LE POPEGO (JEOMETERI)				
DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>3.1 Maemo, kitsiso le dipono</p> <p>Tlhalosa selo se le sengwe sa tlhakoretharo le kamano ya sona le se sengwe (sekao, 'fa pele le fa morago)</p>	<p>Botsalano jwa boalo Maemo a dilo di le pedi kgotsa go feta le kamano ya tsona le morutwana</p> <ul style="list-style-type: none"> Fa pele ga le fa morago ga Mo, mo godimo ga, fa tlase Mo gare le kwa ntle Kwa godimo le kwa tlase Gaufi le mo gare <p>Motshameko wa kwa ntle o bothokwa. Ikatiso ya Jankele e ka dirisiwa go matlafatsa, sekao tse di latelang:</p> <ul style="list-style-type: none"> Dikgopolo tsa Dipalo Botaki jwa Boithamedi Tlhabololo/Kgolo mmele 	<p>Botsalano jwa boalo Maemo a selo se le sengwe kgotsa go feta di amana le tse dingwe</p> <ul style="list-style-type: none"> Mo godimo le mo tlase 	<p>Maemo a selo se le sengwe kgotsa go feta di amana le tse dingwe</p> <ul style="list-style-type: none"> Fa pele ga le fa morago Mo, mo godimo ga, fa tlase ga Gaufi le Mo gare Molema le moja Tiro ya boto ya ditlhomelwa <p>Tlhalosa dilo go tswa mo maphateng a farologaneng, sekao, mpopo, ntlo go tswa kwa pele, kwa morago, kwa thoko go tswa gore o eme kae.</p>	<p>Botsalano jwa boalo Maemo a selo se le sengwe kgotsa go feta di amana le tse dingwe</p> <ul style="list-style-type: none"> Fa pele ga le fa morago ga Mo godimo, fa tlase Gaufi le mo gare Molema le moja <p>Maemo a selo se le sengwe kgotsa go feta di amana le tse dingwe</p> <ul style="list-style-type: none"> Tiro ya boto ya ditlhomelwa Fa pele ga le fa morago Mo godimo, fa tlase Gaufi le, mo gare Molema le moja
<p>Sala dikaele morago (a le esi kgotsa e le tokologo ya setlhopha) go ipaya mo phattheng e e kgethegileng (dikaele)</p>	<ul style="list-style-type: none"> Tshupokaele – kwa pele le kwa morago Metshameko jaaka go batla terena Khoso ya dikgoreletsi- ba sala dikaele morago Ditirwana tsa Thuto ya Ikatiso mmele le mmimo 	<ul style="list-style-type: none"> Kwa pele/kwa morago Tshate ya motsutshupo 	<ul style="list-style-type: none"> Kwa pele le kwa morago Kwa godimo le kwa tlase Molema le moja Modumo o tswa kae? 	<ul style="list-style-type: none"> Kwa pele le kwa morago Kwa godimo le kwa tlase Molema le moja Modumo o tswa kae?

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>3.2 Didiriswa tsa tekanothakoretharo/mathakoretharo (3-D) Lemoga, tthaola/bontsha le go naya maina a dilo tsa tekanopei/mathakoretharo mo phaposiborutelong. a) dikgwele/dibolo b) dibokoso</p>	<ul style="list-style-type: none"> • dikgwele/dibolo: itsise le go dirisa dikgwele/dibolo • dibokoso: itsise le go dirisa dibokoso 	<ul style="list-style-type: none"> • Aroganya go ya ka go tshwana le go farologana • Bogolo: Aroganya dilo tse di tlhakoretharo go ya ka bogolo. • Mmala: Tlhaola le go aroganya dibadisi go ya ka mebala e: khibidu, botala jwa legodimo, serolwana le botala jwa tlhaga • Popego: Aroganya dilo tse di tlhakoretharo le dipopego tse di tlhakorepedi go ya ka dipopego. 	<ul style="list-style-type: none"> • Bogolo: Aroganya dilo tse di tlhakoretharo go ya ka bogolo. • Mmala: Aroganya dilo tse di tlhakoretharo le dipopego tse di tlhakorepedi go ya ka mebala • Popego: Aroganya dilo tse di tlhakoretharo le dipopego tse di tlhakorepedi go ya ka dipopego. 	<ul style="list-style-type: none"> • Bogolo: Aroganya dilo tse di tlhakoretharo go ya ka bogolo. • Mmala: Aroganya dilo tse di tlhakoretharo le dipopego tse di tlhakorepedi go ya ka mebala • Popego: Aroganya dilo tse di tlhakoretharo le dipopego tse di tlhakorepedi go ya ka mebala.
<p>3.2 Didiriswa tsa tekanothakoretharo/mathakoretharo (3-D) Tlhalosa, aroganya le go bapisa dilo tsa tlhakoretharo/tekanopei le dipopego tsa tlhakorepedi/tekanotharo go ya ka: a) Bogolo (bogolo/bonnye) b) Mmala (khibidu, botala jwa legodimo, serolwana, botala jwa tlhaga) c) Popego (sediko, khutlotharo, khutlonne, khutlonnetsepa) d) Dilo tse di pitikologang e) Dilo tse di relelang</p>	<ul style="list-style-type: none"> • Tšhate ya Phepafatso (Karoganyo ya diitshamekisi) • Bogolo: Aroganya dilo tse di tlhakoretharo go ya ka bogolo. • Mmala: Aroganya dilo tse di tlhakoretharo le dipopego tse di tlhakorepedi go ya ka mebatlatho. • Popego: Aroganya dilo tse di tlhakoretharo le dipopego tse di tlhakorepedi go ya ka dipopego. 	<ul style="list-style-type: none"> - Tlhaola le go tlhotlhomisa dilo tse di pitikologang - Poeletso ya dilo tse di pitikologang • Dilo tse di relelang - Tlhaola le go tlhotlhomisa dilo tse di relelang - Tlhaola le go tlhotlhomisa dilo tse di ka relelang le go kgokologa 		

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>Aga dilo tsa tihakoretharo ka go dirisa didirisiwa tse di kgonngwang (sekao. Aga ka diboloko)</p>	<p>Tswelela</p> <ul style="list-style-type: none"> • Neela didirisiwa tse di agang diboloko ka nako ya motshameko o o lokologileng letsatsi lengwe le lengwe. • Aga ka diboloko 	<p>Tswelelsa</p> <ul style="list-style-type: none"> • Neela diboloko tsa go aga le materiale wa kago ka nako ya motshameko o o lokologileng letsatsi lengwe le lengwe. • Aga ka diboloko 	<p>Tswelelsa</p> <ul style="list-style-type: none"> • Neela diboloko tsa go aga le materiale wa kago ka nako ya motshameko o o lokologileng letsatsi lengwe le lengwe. • Letla barutwana go ikagela dikago tsa bona ka go kopisa go tswa mo sekaong sa kago e e neetsweng. • Kopa kago e e tshwanang le e e mo moakanyetsong kgotisa mo karateng ya setshwantsho • Boeletsa go kopa kago e e tshwanang le e e mo moakanyetsong kgotisa mo karateng ya setshwantsho 	<p>Tswelelsa</p> <ul style="list-style-type: none"> • Neela diboloko tsa go aga le materiale wa kago ka nako ya motshameko o o lokologileng letsatsi lengwe le lengwe. • Tsweletso ka nako ya motshameko o o lokologileng letsatsi lengwe le lengwe
<p>3.3 Diririswa tsa tekano-tihakorepedi (2-D) Lemoga, thao/a/ bontsha le go naya maina a dilo tsa tekanyo ya dipopegopedi/ mathakorepedi mo phaposisiborutelong le mo ditshwantshong, go akaretisa: a) Matshwao a barutwana b) Leina la phaposisiborutelo Malepa a agiwa jang - Bonnye: (Kgweiditharo 1: ditiro di le 6) (Kgweiditharo 2: ditiro di le 12) (Kgweiditharo 3: ditiro di le 18) (Kgweiditharo 4: ditiro di le 24)</p>	<ul style="list-style-type: none"> • Letla morutwana mongwe le mongwe go ithophela karata ya letshwao ka letsatsi la nthla. • Bontsha fela letshwao/ setshwantsho sa morutwana ka dikgwedi tse tharo tsa nthla tsa ngwaga. • Itsise leina la phaposisiborutelo seka, ka go dirisa setshwantsho- "phaposisiborutelo ya dibera" • Tshwaya ka go baya leina la morutabana mo lebating la phaposisiborutelo • Tshwaya ka go baya Mophato wa R mo phaposisiborutelong <p>Malepa</p> <ul style="list-style-type: none"> • Itsise malepa o be o neela dikaele tsa gore di agiwa jang. • Tlotla ka ditshwantsho tsa malepa mme go thokometsewethata dintha tse di jaaka: mmala, batho/ diphologolo, dilo, maemo a batho/ diphologolo le dilo. • Barutwana ba tshwanetse go kgona go feleletsa bonnye malepa a dikarolo di le 6 kwa bokhutlong jwa kgweiditharo 1. 	<p>Bontsha letshwao/setshwantsho le leina la morutwana fela mo dikgweding tse tharo tse di latelang</p> <ul style="list-style-type: none"> • Tswelela <p>Malepa (tswelela)</p> <ul style="list-style-type: none"> • Neela malepa a a farologaneng ka nako ya motshameko o o gololesegileng ka mo gare ga phaposisiborutelo letsatsi lengwe le lengwe. • Barutwana ba tshwanetse go kgona go feleletsa bonnye malepa a dikarolo di le 12 kwa bokhutlong jwa kgweiditharo 2. • Dira le go feleletsa malepa a dikarolo di le 4 tsa gagwe. 	<p>Bontsha leina la morutwana fela mo leishwaong mo dikgweding tse tharo tse di latelang</p> <ul style="list-style-type: none"> • Tswelela <p>Malepa (tswelela)</p> <ul style="list-style-type: none"> • Neela malepa a a farologaneng ka nako ya motshameko o o gololesegileng ka mo gare ga phaposisiborutelo letsatsi lengwe le lengwe. • Barutwana ba tshwanetse go kgona go feleletsa bonnye malepa a dikarolo di le 18 kwa bokhutlong jwa kgweiditharo 3 • Dira le go feleletsa malepa a dikarolo di le 5 tsa gagwe. 	<p>Bontsha leina la morutwana fela mo leishwaong mo dikgweding tse tharo tse di latelang</p> <ul style="list-style-type: none"> • Tswelela <p>Malepa (tswelela)</p> <ul style="list-style-type: none"> • Neela malepa a a farologaneng ka nako ya motshameko o o gololesegileng ka mo gare ga phaposisiborutelo letsatsi lengwe le lengwe. • Barutwana ba tshwanetse go kgona go feleletsa bonnye malepa a dikarolo di le 24 kwa bokhutlong jwa kgweiditharo 4.

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>3.3 Dipopego tsa tekano-tihakorepedi (2-D) Temogo ya popego e e fithegileng Dipopego tsa JEOMETERI/Jeometeri a) Sediko b) Khutlotharo c) Khutlonne d) Khutlonnetsepa e) Poloko ya dipopego</p>	<ul style="list-style-type: none"> • Itsise temogo ya popego e e fithegileng • (tithaola/supa dilo- “ke dirisa matho a me go nna setlhodi”) • Itsise sediko • Itsise khutlotharo • Itsise khutlonne 	<ul style="list-style-type: none"> • Poeletso ya temogo ya popego e e fithegileng ka ditirwana tsa go aroganya, bapisa le tsa nyalanyo le go phepafatsa tsamaiso ya gale. • Poeletso ya khutlotharo • Poloko ya popego (dira tihomamo ya khutlotharo) 	<ul style="list-style-type: none"> • Poeletso ya temogo ya popego e e fithegileng ka ditirwana tsa go aroganya, bapisa le tsa nyalanyo le go phepafatsa tsamaiso ya gale. • Poeletsoya khutlonne • Poloko ya popego (dira tihomamo ya popego e a ithutileng yona go fitihela jaanong) 	<ul style="list-style-type: none"> • Poeletso ya temogo ya popego e e fithegileng ka ditirwana tsa go aroganya, bapisa le tsa nyalanyo le go phepafatsa tsamaiso ya gale. • Poeletso ya sediko, khutlotharo, khutlonne le khutlonnetsepa • Poloko ya popego (dira tihomamo ya popego e a ithutileng yona go fitihela jaanong)
<p>3. Tekano (Lemoga mola wa tekano mo go ena le mo tikologong ya gagwe)</p>	<ul style="list-style-type: none"> • Tlhaola /bonitsha dikarolo tsa mmele (ka go di bala) • Tlhogo, matho, nko, molomo, seledu, molala/thamo, magetla, leisogo, seatla, menwana, sehuba, leoto, lengwele, leoto, menwana ya kgonope • Mmele wa motho o na le mathakore a le mabedi • Gatelela temogo ya gore mmele wa motho o na le mathakore a le mabedi, sekao, go na le letlhakore la moja le la molema” Go kgabaganya molagare o tsenyeletitse go bala • Tse di fa godimo di ka dirwa ka nako ya kgodiso ya mmele • Dirisa diraeme le dipina ka nako ya Botaki jwa Boitlhamedi 	<ul style="list-style-type: none"> • Go kgabaganya molagare – ditiro tse di diragadiwang • Dirisa kgabaganyo ya molagare ka nako ya serutwa sa Dikgono tsa Botshelo (kgodiso ya mmele) • Dirisa diraeme le dipina ka nako ya Botaki jwa Boitlhamedi 	<ul style="list-style-type: none"> • Kgabaganya molagare – ditirwana tsa patitshoko • Dirisa kgabaganyo ya molagare ka nako ya serutwa sa Dikgono tsa Botshelo (kgodiso ya mmele) 	<ul style="list-style-type: none"> • Gatelela temogo ya gore mmele wa motho o na le mathakore a le mabedi, sekao, go na le letlhakore la moja le la molema” • Dirisa kgabaganyo ya molagare ka nako ya serutwa sa Dikgono tsa Botshelo (kgodiso ya mmele)

THADISO YA MOPHATO R
4. TEKANYO

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>4.1 Nako: Tlhalosa nako ya letsatsi o lebile:</p> <p>Motshegare kgotsa bosigo Rulaganya ditiragalo tse di ipoeletsang mo matshealong a bona a letsatsi le letsatsi</p> <p>a) Lenaneo la letsatsi le letsatsi</p> <p>b) Tshate ya maemo a bosa</p>	<ul style="list-style-type: none"> • Itsise dikgopolo ka bobedi "motshegare le bosigo" le "lesedi/lefifi" • Mo mosong, thapama, bosigo-go ithuta ka tshoganyetso mo tsamaong ya lenaneo la letsatsi le letsatsi le tshate ya maemo a bosa) • Itsise lenaneo la letsatsi le letsatsi <ul style="list-style-type: none"> - Barutwana ba itemogela tatlano ya ditiragalo mo tsamaong ya letsatsi - Ditshwatsho di bontshiwa go tswa kwa molemeng go ya kwa mojang go godisa dikaelo tsa go buisa - Moetelepele wa letsatsi o tsamaisa motsu fa ditirwana tsa letsatsi di tswelotse • Itsise tshate ya maemo a bosa (ya letsatsi le letsatsi) <ul style="list-style-type: none"> - Morutabana o kaetsa barutwana go tlhomamisa leina la letsatsi, letha le kgwedi ka go opela dipina le diraeme, le go bontsha matshwao a beke mo alemanakeng a a emelang beke - Godisa temogo ya kgopolo ya nako. - Supa matsatsi a matsalo, a maeto, a kgethegileng, a boikhutso mo bekeng. - Rulaganya dikgwedi tsa ngwaga ka go opela pina 	<ul style="list-style-type: none"> • Lenaneo la letsatsi le letsatsi (tswelotse) <ul style="list-style-type: none"> - Boeletsa thulaganyo ya ditiragalo tsa letsatsi ka go lebelela lenaneo la letsatsi 	<ul style="list-style-type: none"> • Lenaneo la letsatsi le letsatsi (tswelotse) <ul style="list-style-type: none"> - Boeletsa thulaganyo ya ditiragalo tsa letsatsi ka go lebelela lenaneo la letsatsi 	<ul style="list-style-type: none"> • Lenaneo la letsatsi le letsatsi (tswelotse) <ul style="list-style-type: none"> - Boeletsa thulaganyo ya ditiragalo tsa letsatsi ka go lebelela lenaneo la letsatsi • Tshate ya maemo a bosa (letsatsi le letsatsi) <ul style="list-style-type: none"> - Morutabana o kaetsa barutwana go tlhomamisa leina la letsatsi, letha le kgwedi ka ditsekedima/dikarata tsa dipontsho le go bontsha matshwao a a emelang beke mo alemanakeng

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>c) Matsatsi a beke</p>	<ul style="list-style-type: none"> • Matsatsi a beke <ul style="list-style-type: none"> - Morutabana o ruta barutwana pina kgotisa raeme ka ga matsatsi a beke. Pina e boeletswa letsatsi le letsatsi fa go buisanwa ka tšhate ya maemo a bosa. - Rulaganya matsatsi a beke o dirisa pina • Tšhate ya ditlha tsa ngwaga <ul style="list-style-type: none"> - Itsise karata e e bontshang ditlha tsa ngwaga di le nne: <ul style="list-style-type: none"> o Selemo o Letlhabula o Mariga o Dikgakologo 	<ul style="list-style-type: none"> • Matsatsi a beke (Tswelsetso) <ul style="list-style-type: none"> - Morutabana o ruta barutwana pina kgotisa raeme ka ga matsatsi a beke. Pina e boeletswa letsatsi le letsatsi fa go buisanwa ka tšhate ya maemo a bosa. • Tšhate ya ditlha tsa ngwaga <ul style="list-style-type: none"> - Motsu o o bontshang setlha sa jaanong o a tsamaisiwa go bontsha go fetoga ga ditlha. - Letsatsi la nthla morago ga matsatsi a boikhutso, morutabana o tshwanetse go botsa barutwana se ba neng ba se dira ka matsatsi a boikhutso. - Godisa temogo ka ga se morutwana a se dirang go tloga ka nako e a tsogang ka yona go fitlhela a ya sekolong. - Godisa temogo ka ga se se diragalang fa gare ga nako ya dijo tsa bosigo le nako ya go robala. • Morutwana a tswelile ka go itsise letsatsi la matsalo nako nngwe le nngwe fa e le letsatsi la matsalo la morutwana mongwe. • Tswelsetso 	<ul style="list-style-type: none"> • Matsatsi a beke (Tswelsetso) • Tšhate ya ditlha tsa ngwaga <ul style="list-style-type: none"> - Motsu o o bontshang setlha sa jaanong o a tsamaisiwa go bontsha go fetoga ga ditlha. - Letsatsi la nthla morago ga matsatsi a boikhutso, morutabana o tshwanetse go botsa barutwana se ba neng ba se dira ka matsatsi a boikhutso. • Morutwana a tswelile ka go itsise letsatsi la matsalo nako nngwe le nngwe fa e le letsatsi la matsalo la morutwana mongwe. • Tswelsetso 	<ul style="list-style-type: none"> • Matsatsi a beke (Tswelsetso) • Tšhate ya ditlha tsa ngwaga <ul style="list-style-type: none"> - Motsu o o bontshang setlha sa jaanong o a tsamaisiwa go bontsha go fetoga ga ditlha. - Letsatsi la nthla morago ga matsatsi a boikhutso, morutabana o tshwanetse go botsa barutwana se ba neng ba se dira ka matsatsi a boikhutso. • Morutwana a tswelile ka go itsise letsatsi la matsalo nako nngwe le nngwe fa e le letsatsi la matsalo la morutwana mongwe. • Tswelsetso
<p>d) Tšhate ya ditlha</p> <p>Itsise tšhate ya matsatsi a botsalo</p>	<ul style="list-style-type: none"> • Itsise matsatsi a botsalo • Barutwana ba tshwanetse go itse dingwaga tsa bona • Godisa temogo ya go buisa dikaelo • Barutwana ba tshwanetse go itse matha a matsalo a bona (letsatsi le kgwed) 	<ul style="list-style-type: none"> • Morutwana a tswelile ka go itsise letsatsi la matsalo nako nngwe le nngwe fa e le letsatsi la matsalo la morutwana mongwe. • Tswelsetso 	<ul style="list-style-type: none"> • Morutwana a tswelile ka go itsise letsatsi la matsalo nako nngwe le nngwe fa e le letsatsi la matsalo la morutwana mongwe. • Tswelsetso 	<ul style="list-style-type: none"> • Morutwana a tswelile ka go itsise letsatsi la matsalo nako nngwe le nngwe fa e le letsatsi la matsalo la morutwana mongwe. • Tswelsetso

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>4.2</p> <p>Boleele</p> <p>Bapisa/ tshwantshanya le go rulaganya didiriswa o dirisa tlotlofoko e e maleba go tlhalosa boleele</p> <ul style="list-style-type: none"> • Itsise tshate ya bogodimo - Go lekanyetsa ka daitla (ka pono le ka tshoganyetso) - Go lekanyetsa ka go dirisa dikgato (ka pono le ka tshoganyetso) - Lekanyetsa ka go dirisa theipi (ka pono le ka tshoganyetso) - Telele, khutshwane, - telelenyana, khutshwan- yana, - moleele ka, moleelen- yana/ moleele thata (fopholetsa ka tebo) 	<p>Boleele</p> <ul style="list-style-type: none"> • Telele le khutshwane, telele ka seemo, telelenya ka seemo le telele thata ka seemo (pono) • Itsise barutwana ka kgopolo ya boleele • Tshate ya bogodimo e e nang le diatla /dikgato 	<p>Boleele</p> <ul style="list-style-type: none"> • Telele thata le khutshwane thata, telelenyana le khutshwanenyana • (utolola boleele) • Boeletsa kgopolo ka ga boleele • Barutwana ba lemoga gore a ba godile fa go bapisiwa le kgweditharo e e fetileng <p>(Barutwana ba ka bapisa bogodimo jwa bona le sengwe mo phaposing, sekao, khaboto)</p>	<p>Boleele</p> <ul style="list-style-type: none"> • Fopholetsa boleele jwa didiriswa tse di farologaneng • Fopholetsa le go lekanyetsa boleele jwa dilo tse di farologaneng ba dirisa dinao/dikgato, diatla, mogala, thupana ji. 	<p>Boleele</p> <ul style="list-style-type: none"> • Lekanyetsa bogodimo jwa barutwana ka go dirisa theipi ya go lekanyetsa (<i>dirisa matsogo mo boemong jwa theipi ya go lekanyetsa</i>)

DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>4.3 Boima Bapisa/ tshwantsha le go rulaganya didiriswa tse di angwang o dirisa tlotlofoko e e maleba go tihalosa tse di latelang: a) Bofefo, boima c) Bofefonyana, boimanyana d) Morutabana o tswelela a dira se, ka nako ya go tshameka ka metsi le mmu</p>			<p>Boima</p> <ul style="list-style-type: none"> • Itsise kgopolo ka ga boima ka go bapisa boima jwa didiriswa tse di farologaneng , sekao <ul style="list-style-type: none"> - Bofefo/boima - Bofefonyana/boimanyana • Boeletsa thuto ya boima (bofefe thata/boima thata 	
<p>4.4 Mothamo/boteng Bapisa/ tshwantsha le go rulaganya didiriswa tse di kgonngwang o dirisa tlotlofoko e e maleba go tihalosa tse di latelang: a) Lolea, e tletse b) Selekanyo sentsi, selekanyo sennyane c) E nnye go, e ntsi go d) Morutabana o tswelela a dira se, ka nako ya motshameko wa metsi le mmu</p>			<p>Mothamo/Boteng</p> <ul style="list-style-type: none"> • Itsise kgopolo ka ga mothamo/ boteng ka go bapisa/tshwantsha selekanyo sa diitshedi tse, sekao. <ul style="list-style-type: none"> - “e tletse/ e lolea” - “ e ntsi go, e nnye go” - Boeletsa thuto ka ga mothamo/ boteng • Morutabana o tswelela go ruta se, ka nako ya go tshameka ka metsi le mmu 	










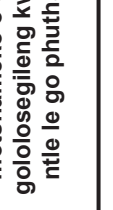
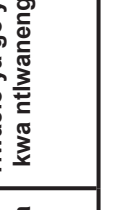
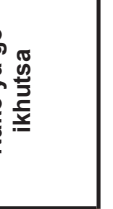
THADISO YA MOPHATO R

5. GO DIRA KA TSHEDIMOSETSO YA DIPALO































DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>5.1 Kgobokanya le go rulaganya didiriswa</p> <p>Kgobokanya tshedimosetso O kgobokanya didiriswa tse di kgonngwang tse di tshwanang (a le mongwe le/ kgotsa jaaka leloko la sethlopha) sekao. matlhare a le some, dipopego di le some</p> <p>Rulaganya tshedimosetso Rulaganya didiriswa tse di kgonngwang go ya ka ponagalo e le nngwe, sekao bogolo jwa matlhare</p>	<ul style="list-style-type: none"> • Itsise kgopolo ka ga tshedimosetso ya dipalo ka go kgobokanya tshedimosetso, gore palo ya basimane le basetsana mo phaposing ke bokae. • Rulaganya tshedimosetso ka go letlelela barutwana go ema mo moleng wa basetsana le basimane 	<ul style="list-style-type: none"> • Kgobokanya didiriswa (dithupana tsa bolelele jo bo farologaneng) • Rulaganya didiriswa tse di kgonngwang tse di tshwanang (a le mongwe le/ kgotsa jaaka leloko la sethlopha) sekao. matlhare a le some, dipopego di le some 	<ul style="list-style-type: none"> • Botsa potso: "A maina a a nang le dithaka tse thataro a tiwaelegile thata?" • Kgobokanya tshedimosetso go araba potso e o dirisa dikarata tse di kwadilweng maina a barutwana • Rulaganya dikarata tsa maina go ya ka dithaka tse di simololang maina a barutwana. 	<ul style="list-style-type: none"> • Dirisa tshate ya matsalo go tihlohomisa gore ke barutwana bafe ba matsatsi a bona a matsalo a leng mo kgweding e e rileng • Kgobokanya tshedimosetso go tswa mo barutwaneng go tihlohomisa mmala wa tege ya go tshameka o o tla dirisiwang beke e e latelang, sekao, serolwana, botata jwa legodimo, botata <p>Kgobokanya tshedimosetso (ke mofuta ofe wa sepalamo o barutwana ba o dirisang go tla sekolong.)</p> <ul style="list-style-type: none"> • Rulaganya tshedimosetso go ya ka matsatsi a botsalo a lebaneng le kgwedi e morutwana a tsetseng ka yona • Morutwana mongwe le mongwe o tlopha boloko e le nngwe e e emelang mmala o a tihlophetseng ona wa tege e e tshamekang mo bekeng. • Rulaganya tshedimosetso e e kgobokantsweng (barutwana ba ba tsamayang ka dinao, ba ba tsamayang ka koloi ya batsadi, thekisi kgotsa bese)

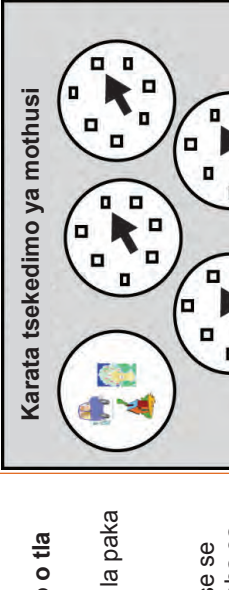
DITENG	KGWEDITHARO 1	KGWEDITHARO 2	KGWEDITHARO 3	KGWEDITHARO 4
<p>5.2 Emela didiriswa tse di kgobokantsweng (Thala/Tshwantsha dikerafo tse di bontshang tshedimosetso)</p> <p>Thala setshwantsho jaaka rekoto ya didiriswa tse di kgobokantsweng</p>	<ul style="list-style-type: none"> Tshwantsha kerafo e e nang le tshedimosetso o dirisa diboloko kgotsa dipopego 	<ul style="list-style-type: none"> Thala/Tshwantsha kerafo ya didiriswa tse di kgobokantsweng (mathaka a bogolo jo bo farologaneng) 	<ul style="list-style-type: none"> Thala/Tshwantsha kerafo ka go kgomareisa karatama ya morutwana mongwe le mongwe mo tiase ga kholomo e e maleba 	<ul style="list-style-type: none"> Thala/tshwantsha kerafo e e bontshang matsatsi a botsalo a barutwana mo kgwedding nngwe le nngwe. Dirisa didiriswa tsa nnete go dira kerafo jaaka diboloko, dikhubiki tse di tlathagantsweng, diboloko tsa Duplo/Lego tse di emelelang mebala ya tege e o ipaakanyetsang go e dira sekao, serolwana, botala jwa legodimo le mmala o o botala jwa tlhaga. Thala kerafo ya ditshwantsho e bontshang barutwana ba ba tsamayang, ba ba tiang ka thekesi, ba ba tiang le batsadi le ba ba tsamayang ka bese.
<p>5.3 Buisana le go bega ka diilo tse di kgobokantsweng tse di rulagantsweng Buisa le go ranola dikerafo</p> <p>Araba dipotso tse di theetsweng mo ditshwantshong tsa bona kgotsa mo didirisweng tse ba di kgobokantseng (sekao, o thadile mathare a makae a matona? Ke afe a mantsi, a ke a matona kgotsa a mannye?)</p>	<ul style="list-style-type: none"> Buisa o be o ranole tshedimosetso ka go dirisa tege ya go tshameka go emela dipalo ya basimane le basetsana mo phaposing. 	<ul style="list-style-type: none"> Buisa le go ranola kerafo ka go dirisa dipotso 	<ul style="list-style-type: none"> Buisa le go ranola tshedimosetso ka go bala dikarata tsa dipalo mo kholomong nngwe le nngwe le go tsaya ditshwetso. 	<ul style="list-style-type: none"> Buisa le go ranola kerafo o dirisa dipotso go thothomisa kgwedi e e nang le matsatsi a matsalo a mantsi Go ya ka thopho ya barutwana, mmala wa tege ya go tshameka wa beke e ka nna, sekao, serolwana Buisa le go ranola dikerafo (ke ba bakae ba ba tsamayang, ba ba tiang ka thekesi, bese jalo jalo.

3.5 TLHALOSO YA DINTLHA TSA DITENG KA DIKAELO TSA GO RUTA

DIPALO TSA MOPHATO R KGWEDI-THARO 1			
Beke 1 K'itsiso	Nako e e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsose e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlagenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tlhaloso		
4.1 Nako	<p>Itsise lenaneo la letsatsi le letsatsi</p> <ul style="list-style-type: none"> Godisa tatelano ya ditiragalo mo letsatsing le nosi Ditshwantsho di a bontshiwa go tswa mo molemeng go ya kwa mojeng Moeteledipele wa letsatsi o šutisa motswi go tswa mo molemeng go ya kwa mojeng fa ditirwana tsa letsatsi di ntse di tswelotse Barutwana ba itemogela tatelano ya ditiragalo mo letsatsing 	Lenaneo la letsatsi le letsatsi le tshwantshitswe mo setshwantshong	Letsatsi le letsatsi, fa o ba itsesitse
LENANEO LE LE TSHITSINTSWENG			
			
			
Nako ya go fitlha	Rejisitara, matsalo', maemo a bosa, dikgang	Tirwana tsa phaposi tse di kaelwang ke morutabana (rulagantswe mo pholiseng), botsweretsi jwa pono le motshameko o o golosegileng mo phaposing	Tirwana tsa phaposi tse di kaelwang ke morutabana (rulagantswe mo pholiseng)
			
lapologa	Nako ya motshameko o o golosegileng kwa ntle le go phutha	Tirwana tsa phaposi tse di kaelwang ke morutabana (rulagantswe mo pholiseng) le kgang khutswe	Tirwana tsa phaposi tse di kaelwang ke morutabana (rulagantswe mo pholiseng)
		Nako ya go ikhutsa	Nako ya go ya gae
			Tlwaelo ya go ya kwa ntlwaneng

Beke 1 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlagenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha: <ul style="list-style-type: none"> Go rutiwa ga serutwa go thothomisiwa ke nako e e abilweng mo lenaneong la letsatsi le letsatsi. Lenaneo la letsatsi le a fetolwa fetolwa, sekao go ya kwa ntlwaneng ya boithomelo go ka fetolwa mo nakong e e abilweng, go ikaegile ka maemo a kwa sekolong Bontsha dikarata tsekedimo tsa ditiro tsa tlwaelo fela fa o setse o di itsesitse. Dintlha tsa tihaloso ga di a kwalwa mo kolomong ka malatsi go ya ka tatelano mme fela di kwadiwe go ya ka diteng tsa serutwa. Ka ga moo, o ka itseela tshwetso gore o tihoka go dira tirwana ka letsatsi lefe Mo dibekeng tse dingwe go na le ditirwana tse di fetang tse tlhano. Se, se ne se netefatsa gore go na le ditirwana tse di lekaneng tse o ka tihophang mo go tsona, ga go reye gore o tshwanetse o dire ditirwana tsothe. 			
1.4 Tihalosa, bapisa, le rulaganya dipalo	<ul style="list-style-type: none"> Itsise nako ya go ya ntlwaneng boithomelo ka tlwaelo Godisa temogo ya tatelano/ thulaganyo ya go ya ntlwaneng ya boithomelo sekao (dirisa ntlwana pele, o tswe o tlhape diatia, tswala tepe o tswe o iphimole diatia jalo jalo. Godisa temogo ka ga palokemotatelano sekao Ntobeko ke wa ntlha, Tlotlo ke wa bobedi jalo jalo. 	Sesepa, lesela la go tlhapa, ntlwana boithomelo, metsi a a elelang.	Morago ga o sena go itsise tlwaelo ya go ya kwa ntlwaneng, ditirwana e, e ka dirwa letsatsi le letsatsi.	

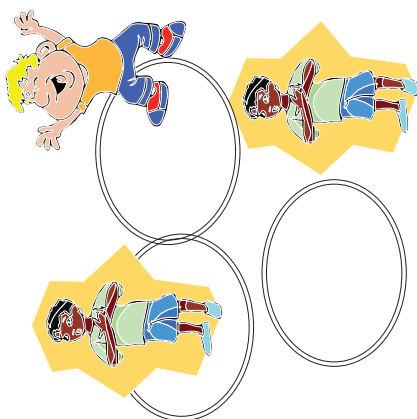
Beke 1 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlagenesitsweng	Boleele jwa nako jo bo lekanyeditsweng																								
<p>Setlhogo</p> <p>3.2</p> <p>Didiriswa tsa tekanofitha-koretharo 3-D</p>		<ul style="list-style-type: none"> • Itsise karata tsekedimo ya go phutha <ul style="list-style-type: none"> - Tlhoma dithopha tse di dirang tse dinnye. - Tswelidisa thulaganyo le go fhaola didiriswa. <p>Aroganya palo ya barutwana mo phaposing ya gago ka mafelo a a robeji tsa go phutha. Setlhopha sengwe le sengwe se tshwanetse go tsaya maikarabelo a go phutha mafelo ka go fapafapaana mo bekeng.</p>	<p>Baakanya tshata</p> <table border="1"> <tr> <td></td> <td>Tlhatswa ditshelo tsa pente le diborashe</td> <td></td> </tr> <tr> <td></td> <td>Phutha sekhutlwana sa dibuka</td> <td></td> </tr> <tr> <td></td> <td>Phutha diboloko</td> <td></td> </tr> <tr> <td></td> <td>Fie!a mo fatshe</td> <td></td> </tr> <tr> <td></td> <td>Phutha sekhutlwana sa ntlo</td> <td></td> </tr> <tr> <td></td> <td>Phutha diphaeesele</td> <td></td> </tr> <tr> <td></td> <td>Phutha ditafole tsa botsweretshi</td> <td></td> </tr> <tr> <td></td> <td>Phimola ditafole</td> <td></td> </tr> </table>		Tlhatswa ditshelo tsa pente le diborashe			Phutha sekhutlwana sa dibuka			Phutha diboloko			Fie!a mo fatshe			Phutha sekhutlwana sa ntlo			Phutha diphaeesele			Phutha ditafole tsa botsweretshi			Phimola ditafole		<p>Morago ga go itsise tlwaelo ya go phutha, tirwana e, e ka dirwa letsatsi le letsatsi</p>
	Tlhatswa ditshelo tsa pente le diborashe																											
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Beke 1 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlagenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlagenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1	Bala didiriswa	<p>Tshata thuso</p>  <p>Karata tsekedimo ya mothusi thusang kwa tafoleng ka nako ya dilapodisi</p> <ul style="list-style-type: none"> - Dirisa tshate ya mothusi go tihloa mothusi wa letsatsi o tihokometse lenaneo la paka ya nako ya dilapodisi - Didiko tse tihano mo karateng ya mothusi di emetse ditlhopho tse tihano tse o kgaogantseng barutwana ka tsona sekao sethopho se se khibidu, sethopho se se botala jwa loapi, sethopho se se serolwana, sethopho mmala o tala le sethopho sa mmala wa lamune. O ka dirisa maungo a farologaneng, diphologolo, dipalangwa jji - Letshwao la morutwana mongwe le mongwe le bewa mo teng ga sediko sa sethopho se a leng mo go sona - Go dikolosa motsu yo o kgomaretsang fa gare ga sediko sengwe le sengwe go tihopa moeledipele wa sethopho. Moeteledipele wa sethopho o potologa letsatsi le letsatsi go netefatsa gore morutwana mongwe le mongwe o bona tshono ya go nna moeteledipele - Moeteledipele wa sethopho o bala dipalo ya barutwana le dijana go ya ka palo ya barutwana ba ba leng teng mo sethopheng sa gagwe ka letsatsi leo (nyalano ya nngwe-ka-nngwe) 	<p>Fa karata tsekedimo ya mothusi e itsesitswe, dilapodisi di nwa barutwana letsatsi le letsatsi</p>
3.3	Dipopego tsa tekanothi-korepedi 2-D	<p>Letlelela morutwana yo mongwe le yo mongwe go tihopha karata tsekedimo ya letshwao la gagwe</p> <ul style="list-style-type: none"> - Baakanya boloko ya go supetsa ya botsweretshi jwa botlhamedi ya letshwao la ngwana mongwe le mongwe (setshwantsho) - Kgomaretsa letshwao mo khaboteng ya morutwana yo mongwe le yo mongwe - Letlelela morutwana go tihopha khaboto ya gagwe e e nyalanang le letshwao la gagwe - Kopelela leina la morutwana ka sepele mo diaparong tsa gagwe. - Barutwana ba tihopha letshwao la gagwe le la tsala, ka go tshameka motshameko o ba rotloetsa barutwana go tihopha dikarata tsekedimo tsa matshwao a a farologaneng sekao barutwana ba dula mo sedikong le morutabana ba supetsa matshwao le go botsa barutwana go tihopha matshwao a bone. - Ditshwantsho tse dinnye tsa barutwana di ka nna tsa dirisiwa jaaka dikarata tsekedimo tsa matshwao, fa le teng <p>Tsweletsa kgopolo ya gore barutwana ba nne mo sethopheng se se tonna se le sengwe ka go itsise leina la phaposi sekao dirisa setshwantsho “sa bera”</p> <p>Barutwana ba tshwanetse ba itsise leina la morutabana wa bone</p>	<p>JaakLetlelela barutwana go : fitlha letsatsi la ntsha.</p> <p>Dikarata tsekedimo ka matshwao a barutwana.</p> <p>Dira karata tsekedimo ya setshwano go tloga go letshwao la setshwantsho.</p> <p>Dilokara, mabokoso kgotsa kgotsa dikgwakge mo leboteng di tshwailwe ka matshwao .</p> <p>Mophato wa R letshwao</p> <p>Setshwantsho sa leina mo mojakong la phaposi</p> <p>Kwala leina morutabana le sefane</p>

Beke 1	Nako e e tshitshintsweng ya go ruta		
Kitsiso	Tirwana ya e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlagenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso		
Dintlha:			
	<ul style="list-style-type: none"> • Supetsa fela letshwao la morutwana/ setshwantsho sa kgwedi tse tharo tsa ntiha tsa ngwaga • Supetsa letshwao la morutwana/setshwantsho le leina la morutwana mo kgweding tse tharo tse di latelang • Supetsa fela leina la morutwana mo setshwaong mo dikgweding tse thataro tsa bofelo tsa ngwaga • Baya mo kgorong ngwaga otlhe • Tshwaya ka leina la morutabana • Tshwaya ka go kwala mophato R 		

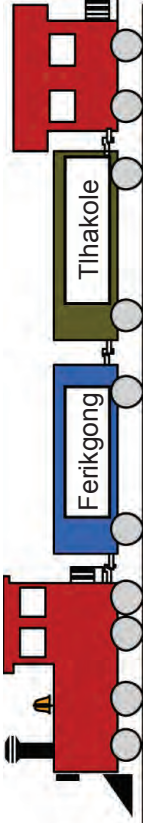
Beke 2	Nako e e tshitshintsweng ya go ruta		
Kitsiso	Tirwana ya e le nngwe ya phapose e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso		
1.1	Go bala letsatsi le letsatsi		
Bala didiriswa	<ul style="list-style-type: none"> • Go bala kwa godimo o boelets/ o bala o tloa tloa go tloga ka 1-5 • Opela dipina tsa dipalo le diraeme <p>Le fa barutwana ba Mophato wa R ba sena kitso ka dipalo, ba tshwanetse go rotloediwa go opela dipina tsa dipalo le diraeme le go ballela kwa godimo ba boelets letsatsi le letsatsi</p>	Dipalo ya dipina le diraeme	Letsatsi le letsatsi

Beke 2 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phapose e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso		Letsatsi 1
1.4 Tihalosa, bapisa, rulaganya dipalo	<p>Itsise kgopolo ka ga botonna le bonnye</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Barutwana ba itemogela kgopolo ka ga nnye le tonna ka go ikgona, ba itira bannye ka fa go kgonagalang ka teng, ba bo b a ikotlola ka fa go kgonagalang ka teng - Letlelela barutwana go bapisa diatia a bone le diatia tsa ditsala tsa bone, go bona gore ke diatia tsa bomang di leng di tonna kgotsa a le dinnye. - Bapisa seatla sa morutabana go bapa le seatla sa morutwana. - Bapisa letsogo la morutabana go bapa le la morutwana. <p>Didiriswa tsa tekatekanyotlhakoretharo (3-D) o dirisa dikgonngwa</p> <ul style="list-style-type: none"> - Bopa dibolo tse ditonna le tse dinnye ka seloko ya go tshameka - Batla dibolo tse ditonna le didiriswa tse dinnye mo phaposing. Tshwaya didiriswa tse di tonna ka dikgomaretsi tse di khibidu, tse dinnye ka serolwana. Motlotlo ka ga bogolo jwa didiriswa tse di faologaneng. - Tlhaola didiriswa tse di tonna le tse dinnye go ya ka bogolo <p>Didiriswa tse di kgonngwang o dirisa dipopego tekatekanyotlhakore pedi (2-D) kgotsa ditshwantsho</p> <p>Dirisa kgopolo ya botonna le bonnye ka nako ya ditirwana tsa botsweretshi ka</p> <ul style="list-style-type: none"> - O lebelela ditshwantsho tse ditonna le didiriswa tse dinnye le go di segolola - Letlelela barutwana go gatisa diatia tsa bone le go di segolola. Baya letsogo le lengwe mo godimo ga le lengwe. Lebelela gore ke letsogo la ga mang le leng le tonna le leng le nnye - Kgaoganyana pampiri gabedi - Kgomaretsa ditshwantsho tsothe tse dinnye mo lethakoreng le lengwe la pampiri le tse dinnye mo lethakoreng le lengwe. 	Barutwana	
		seloko sa go tshameka Didiriswa tse di tonna le tse dinnye	
		Makasine, kuranta, phasalatso, sekere	
		Pampiri ya A3, kerayone	

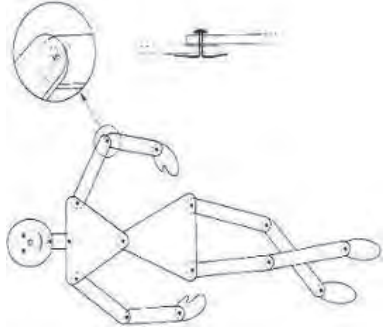
Beke 2 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phapose e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)
Setlhogo	Dintlha tsa tihaloso
<p>3.1 Maemo, kitsiso le dipono</p>	<p>Maemo a didiriswa tse pedi kgotsa tse dintsi di bapisitse le morutwana- mo teng kgotsa kwa ntle Metshameko ya go dirisa mmele.</p> <ul style="list-style-type: none"> - Naya morutwana mongwe le mongwe "hula-hupu" (Morutabana o supetsa barutwana ka go dira le bone ka Mofotlo wa mafoko: kwa ntle le mo teng). Ba tlolela mo teng le kwa ntle ga hupu a letela ditaelo tsa morutabana - Ema ka leoto le le nosi mo teng ga hula-hupu, leoto le lengwe le le kwa ntle ga hula-hupu. - Tsaya lebokoso le go letlelela barutwana go tlolela mo teng le kwa ntle le go letlelela barutwana go buisana fa morutwana a le mo teng/kwa ntle - Tlolela kwa ntle le mo teng ga taere/leotwana jaaka tirwana ya karolo ya kgodiso ya mmele. - Tlolela mo teng le kwa ntle ga hula-hupu o tswetse matlho <p>Didiriswa tsa dikgonngwa tsa tekanotlhakoretharo (3-D) Letlelela barutwana</p> <ul style="list-style-type: none"> - Baya mpopisi mo teng le go e ntshetsa kwa ntle ga bolao jwa masea - Latihela bolo/ kgetsana ya dinawa mo teng ga hula-hupu/leotwana - Dirisa mmu wa seloko o goloke, o papathe go bopa sentlhaga sa nonyane , o goloke gape go dira bolo e nnye (ekete mae) a tsenye mo sentlhageng o boe o a ntshe o latele ditaelo tsa morutwana. <p>Didiriswa o dirise dikgonngwa tsa dipopego tekanotlhakorepedi kgotsa ditshwantsho Letlelela barutwana</p> <ul style="list-style-type: none"> - Lebelela setshwantsho le go bona gore a ba kgona go bona didiriswa tse di supetsang kgopolo ya mo teng le kwa ntle - Barutwana ba itshwantsho ba le mo teng le kwa ntle ga hula-hupu/ bata jalo jalo
	<p>Dithusa-thuto tse di atlenegesitsweng</p> <p>Dihupu</p> 
	<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p>

Beke 2 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phapose e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo 3.2 Disiriswa tsa tekanothakoretharo 3-D	<p>Tlhama didiriswa tsa godirisa/dimateriale tsa dikgonngwa</p> <p>Tlhotlhomisa dikgonego tse dintsi tsa go aga diboloko ka nako ya go tshamekela ka fa gare</p> <ul style="list-style-type: none"> • Karolo ya morutabana ke go gokaganya motshameko - Tlhotlhomisa dikgonego tsa go aga diboloko ka go kaela barutwana go aga serapalelo (rapaletsweng), tsepameng (ditorio), tse kwa godimo le dikago tse di kwa tlase - Tlhaola le go rulaganya diboloko tse di farologaneng ka go bapisa dipopego - Tlhaola le go rulaganya diboloko tse di farologaneng ka go bapisa go ya ka bogolo jo bo tshwanang - Tlhaola diboloko go ya ka tse di tonna le tse dinnye - Morutwana mongwe le mongwe o newa boloko e dipopegoseraro le go di rulaganya di le dintsi ka ditsela tse di kgonagalang sekao di beye mo moleng, di tlhatlhaganye ka ditsela tse di farologaneng. Barutwana ba ka bapisa le go kopolola diboloko tsa ba bangwe, go ba lemosa thata ka ga maemo. - Tsweletsa go phuthiwa ga diboloko go ya ka mokgwa o o neetsweng, kwa morago ga raka ba bapisa go ya ka mokgwa o tshwanang 	<p>Diboloko di tshwanetse go bewa mo raking, go ya ka mokgwa o o neetsweng wa diboloko tse di farologaneng, kwa morago ga raka</p> <p>Didiriswa tse dinnye jaaka ditshamekisi tsa dikoloi, diphologolo tsa kwa polasing, matshwao a tsela jalo jalo di tshwanetse go nna teng</p>	<p>Letsatsi 1</p>	





Nako e e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phapose e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)			
Beke 2 Kitsiso	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo			Letsatsi1
2.1 Didiriswa tsa tekanothakoretharo 3-D.	<p>Tlhaola didiriswa go ya ka mmala wa poraemari, botala jwa loapi , khibidu le serolwane</p> <p>Supetsa mmala o le mongwe ka nako. O seka wa golagana mmala o le mongwe le popego e le nngwe. Kgaoganyana barutwana ka ditlhopho tse 5.</p> <p>Naya setlhopho se le sengwe mefuta e farologaneng ya didiriswa tsa tekatekanyo tlhakoretharo (3-D) le dipopego tekanothakorepedi (2-D) tsa mebala.</p> <ul style="list-style-type: none"> - Morutabana o itsise mmala mongwe le mongwe ka go tshwarela kwa godimo karata tsekedimo yam mala yo a batlang barutwana ba o itse. Sekao botala jwa loapi, boeletsa mmala mongwe le mongwe. - Letlelela barutwana go tlhaola didiriswa tsa tekatekanyothakoretharo (3-D) le dipopego tekatekanyothakorepedi (2-D) go ya ka dikarata tsekedimo tse di bontshiwang tse di farologaneng. <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Tlhokomela didiko tse di segolotsweng go tswa mo khatebotong tsa mebala mo sefubeng sa morutwana mongwe le mongwe - Letlelela barutwana go rulaganya ka bobone mebala e farologaneng go ya ka mebala <p>Didiriswa tse di kgongwang tsa tekano tlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutabana o bitsa barutwana ba le batlhano go tla kwa pele, o naya morutwana mongwe le mongwe sediriswa sa tekatekanyothakoretharo (3-D) go se tshwara. - Barutwana ba bangwe ba dula mo ditlhopheng tsa bone ka setlhopho sa didiriswa tsa tekatekanyothakoretharo (3-D), ba di baya fa gare ga ditafole - Morutwana wa ntsha fa pele o tshwara sediriswa sa gagwe sa tekatekanyothakoretharo (3-D) Sekao boloko e e botala jwa loapi kgotsa sediko se se serolwana sa Logi kgotsa diphasele jalo jalo - Barutwana mo tafoleng ba tlhaola didiriswa tse di farologaneng tsa tekatekanyo tharo (3-D) go ya ka se morutwana a se tshwereng. <p>Dikgonngwa tse di halofo o dirisa dipopego tsa tekano tlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o baakanya pente ya menwana pele ga nako - Barutwana ba bapisa dipopego mo penteng ba dirisa menwana - Gafisa dipopego tsa tekatekanyothakorepedi (2-D) o e tshase mmala 	<p>Didiriswa tse di farologaneng tsa tekatekanyo tharo le dipopego tsa tekatekanyo tlhakorepedi/ditshwantsho mo phaposing sekao dikhurumelo tsa dibotolo, diboloko tsa lego, dipopego tsa mmala tsa logi jalo jalo</p> <p>Dikarata tsekedimo tsa mmala o botala jwa loapi, khibidu ke serolwana</p> <p>Dipopego tse di farologaneng tsa dipopego tsa tekanothakorepedi (2-D) le didiriswa tsa tekatekanyothakore tharo (3-D)</p> <p>Didiko tse di Khibidu, serolwana le botala jwa loapi di segolotsweng go tswa mo khatebotong e e bakaantsweng ke morutabana</p> <p>Didiriswa tse di farologaneng tsa tekatekanyothakoretharo (3-D) tse di kgobokantsweng pele ga nako e beilwe mo magareng ga setlhopho sengwe le sengwe.</p> <p>Resepe ya pente ya menwana</p> <p>Kopi e le nngwe 1 ya bupi Kopi e le nngwe 1 ya sukiri Marothodi a mararo 3 a semmala a dijo/ pente e e lerole dikopi tse tlhano tsa metsi a a bedileng (fuduwa ka iketlo)</p>	
3.3 Dipopego tsa tekanothakoretharo 3-D			

















Beke 2 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana ya e le nngwe ya phapose e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>4.1</p> <p>Nako</p>	<p>Itsise karata tsekedimo ya malatsi a botsalo</p> <ul style="list-style-type: none"> - Akanyetsa (mokgabiso) karata tsekedimo ya malatsi a botsalo e e mebalabala sekao terana ka materoko a le 12 (letoroko lengwe le lengwe le kwadiwe kgwedi). Dikgwedi di latekana go tsa mo molemeng go ya kwa mojeng mo materokong. Baya leina le letshwao la morutwana mongwe le mongwe mo kgweding e e neetsweng. - Godisa temoso ya kgopolo ya nako sekao opela dikgwedi tsa ngwaga ka go opela maina a dikgwedi o nitse o supa maina a dikgwedi. - Godisa temoso ka ga buisa o dirisa dikaelo sekao supetsa setshwao sa kgwedi nngwe le nngwe, mo moleng o le mongwe go tswa mo molemeng go ya kwa mojeng - Letlelela barutwana ba supe letshwao/setshwantsho sa gagwe le go ithuta ka tihogo gore matsalo a gagwe ke kgwedi efe - Ba rotloetse b go itse dingwaga tsa bone - Boeletsa tirwana e ka tswaletso <p>Karata tsekedimo ya malatsi a botsalo e nne le dikgwedi tse somepedi di bontshitswe go tswa mo molemeng go ya kwa mojeng</p> <p>Korone kgoisa setshwantsho sa kuku ya matsalo se supetsa malatsi a matsalo. Malatsi a matsalo a a tiang ga a na korone kgoisa kuku ya matsalo.</p> <p><i>Pina: tlhama pina ya gago</i></p> <p><i>“Ferikgong, Tlhakole, Mopitlwe</i></p> <p><i>Moranang, Motsheganong, Seetebosigo</i></p> <p><i>Phukwi, Phatwe, Lwetse, Diphallane, Ngwanatsele, Sedimonthole</i></p>	 <p>Ngwaga otlhe fa go na le malatsi a matsalo.</p>		
<p>Dintlha:</p> <ul style="list-style-type: none"> - Moitha wa letsatsi la matsalo la morutwana le kgethegile, nako e beelwe kwa thoko mo barutwana botlhe mo phaposing ba opelang “O gole gole ”, ba ope diatla gantsi ba supetsa dingwaga tsa matsalo tsa basimane/basetsana - Morutwana yo mongwe le yo mongwe mo phaposing a tshwantsho le morutabana a kopanye ditshwantsho tsothe tsa ngwana yo o ketekang letsatsi la gagwe la matsalo go dira buka ya letsatsi la matsalo - Morutabana a ka dira korone ya mosimane kgoisa mosetsana yo o ketekang letsatsi la matsalo, barutwana ba ka nna ba e kgabise ka didiriswa go dira kholaje. - Tirwana e tla boeletswang ngwaga otlhe fela fa na le letsatsi la matsalo 				

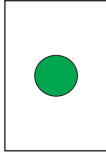
Beke 3 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlanegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlanegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1 Bala didiriswa	<p>Fopholetsa ke go bala didiriswa letsatsi le letsatsi ka botshepegi</p> <ul style="list-style-type: none"> Go bala o Motlotlo letsatsi le letsatsi O balela kwa godimo o ipoeletsa/ka morethetho go tloga ka 1-5 Opela pina ya dipalo le diraeme <p>Letlelela barutwana go: simolola mophato R ba sena kgopolo palo ya dipalo, ba tshwanetse go rotloedwa go opela dipina tsa dipalo le dipina tse ba balang ba opela ba ipoeletsa letsatsi le letsatsi.</p>	<p>Dipina tsa dipalo le diraeme</p>	<p>Letsatsi le letsatsi</p>
	<p>Supa le bala dikarolo tse di farologaneng tsa mmele</p> <p>Balela kwa godimo o ipoeletsa go tloga ka 1-5</p> <p>Metshameko ya go dirisa mmele (Tsenyeletsa serutwa sa dikgono tsa botshelo)</p> <ul style="list-style-type: none"> Godisa temoso ya dipalo ya dikarolo tse di farologaneng tsa mmele ka go di bala. Ntshupetsa nko ya gago o bale. O na le dinko di le kae? Ntshupetsa ditsebe tsa gago o di bale. O na le ditsebe se kae. A di oketsegile ka nngwe. A re di bale. Ntshupetsa diatia a gago. O na le diatia a le kae? A re a bale. O bona eng gape mo diatlang a gago. Menwana! A o ka a bala? A re bale menwana mo letsogong le lengwe 1,2,3,4,5 O na le matlho a le kae? Bala ditsebe le matlho a gago. Tshwara ditsebe le matlho a gago fa o bala, simolola ka diitsebe. Dula o lebagane le tsala le go bala dikarolo tsa mmele wa gagwe mme fela o di tshwara, o di bale. Morutabana a kaetse barutwana sekao tshwara tsebe e le nngwe ya tsala ya gago, tshwara tsebe nngwe ya gagwe, di bale, 1,2. A di tshwana le tsa gago? Tswelela ka tirwana e. Supa dikarolo tsa mmele tse motho a nang le karolo e le nngwe mo mmele sekao nko e le nngwe, molomo o le mongwe, seledu se le sengwe jalo jalo <p>Dirisa dikgonngwa tse di halofa tsa dipopego tekatekanyopedi (2-D) kgotsa ditshwatsho</p> <p>Letlelela barutwana go</p> <ul style="list-style-type: none"> Lebelela mo seiponeng e le go gatisa/ go iBapisa Thala mebele ya bone mo kuraneng le go ikgabisa. Thala mola ka bogare Segolola ditshwantsho tsa dikarolo tse di farologaneng tsa mmele go tswa mo makasineng kgotsa mo phasalatsong le go feleletsa sefatlhego Segolola sefatlhego go tswa mo makasineng le go bapisa dikarolo tsothe tsa mmele. 	<p>Pina e opelwang o dira diragatsa/raeme</p>	<p>Letsatsi 1</p>
		<p>Malea a metshameko e e emelang batho ba ba farologaneng le ditshwantsho tsa mmele.</p> <p>Metshameko ya dikarata tsekedimo</p> <p>Barutwana</p>	
		<p>Boleele jwa seipone</p> <p>Pampiri ya A4, dikerayone</p> <p>Makasine, diphasalato, pampiri kitsiso, sekere</p>	


Beke 3 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
Setlhogo	Dintlha tsa tihaloso	Barutwana 	Letsatsi 1
<p>3.4. Tekano</p> <p>Lemoga mola wa tekano mo go bona Godisa temogo gore mmele wa motho o na le mathakore a mabedi Metshameko ya go dirisa mmele</p> <p>Gatejala kgopolo ka ga "letlhakore le lengwe/ le lethakore le lengwe". Morutabana o Mofotlo le barutwana ka ga bopele jwa mmele le bomorago jwa mmele, ga mmogo le bogodimo jwa mmele, le bokwatlase jwa mmele.</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Ba itebelele mo seiponeng se ba kgonang go bona mebele ya bone yotlhe - Supa gore ke dikarolo dife tsa mmele tse di leng mo mathakoreng a mabedi a mmele wa gago - Ama dikarolo tsa mmele jaaka go kopiwa sekao "ama menwana ya gago ya maoto, ama maoto a gago. Barutwana ba ka dira se, ba tswetse matho - Ama nngwe ya dikarolo tsa gago tsa mmele ka karolo e nngwe ya mmele sekao "ama lengwele la gago ka nko ya gago jalo jalo (ke tirwana ya mola kgabaganyo) 	<p>Lemoga, supa le go naya maina a dibolo</p> <ul style="list-style-type: none"> - Barutwana ba tshameka ka dibolo le go supetsa le go bolela dilo tse o ka di dirang ka bolo. Morutabana o etelela puisano ka go botsa dipotso. - Supa didiriswa tse tsothe tse di ka kgokologang sekao bontsha barutwana diboloko o ba botse gore potso "Fa o nagana a boloko e kgona go kgokologa? A re bone" - Kgokolosa didiriswa le go lebelela gore di kgokologa jang sekao dithini di kgologa mo lethakoreng le lengwe. - Dirisa seloko ya go tshameka go bopa bolo e kgokologang ka nako ditirwana tsa boitlhamedi (ka nako ya motshameko o gololosegileng mo teng ga phaposi) - Ka nako ya go tshameka, barutwana ba ka nna ba leka go pitikolola mebele ya bone ba robetse fa fatshe kgotsa go kgokolosa mebele ya bone jaaka dibolo. 	<p>Boleele jwa seipone</p> <p>Morutabana a ka dira setshwano se se kopantsweng ka diphini se se dirilweng ka khateboto e e thata</p> <p>Didiriswa tse di kgolokwe sekao dinamune, diapole, dibolo, dithini tse di lolea. (Dira dibolo ka didiriswa tse di latlhiweng sekao kuranta e e golokilweng jaaka bolo e tse tse tse mo penthose)</p> <p>Didiriswa tse di khutlo-nne sekao diboloko</p> <p>Resepe e e tshamekang: Kopi e le 1 ya bupi Kopi e halofo ya letswai Kopi e 1 ya metsi</p> <p>Dintsho tse 2 tsa oli ya go apaya Maronthotho a mannye a mmala</p> <p>Thakanya dilo tse di neetsweng tsothe</p>	<p>Letsatsi 1</p> <p>Thakanya ditswaki tsothe</p>
<p>3.2 Disiriswa tsa tekano/thakore-tharo 3-D</p>			<p>Letsatsi 1</p>

Beke 3 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
3.3 Dipoego tsa tekanothakorepedi 2-D	<p>Lemoga, tthaola, le go neela leina dipopego mo phaposing le ditshwantsho tsa tekanothakorepedi</p> <ul style="list-style-type: none"> • Itsise ka ga sediko <p>Didiriswa tse o di dirisang go itsise barutwana ga ntlha ka ga sediko di tshwanetse go tshwana ka ditsele tsothe (bogolo jo bo tshwanang, mmala yo o tshwanang, phopholeitso e e tshwanang)</p> <p>Metshameko ya go dirisa mmele</p> <p>Morutabana o thala sediko mo fatshe. Letelela barutwana go tsamaya mo thadisong ya sediko fa o ntse o Motlotlo "ke tsamaya mo mothalong wa sediko.....ke a potologa"</p> <p>Letelela barutwana:</p> <ul style="list-style-type: none"> - Tshwaraganyang ka diatla le dire sediko - Kago ya sediko ka mmele ya bone. - Tsamao mo sedikong go opelwa pina ya "Mulbery bush" - Dula fa fatshe mo sedikong lo neeletsane sediriswa ba ntse ba opela "hot potato pass it on". Morutwana yo o santseng a tshwere sediriswa fa pina e didimale, o tshwanetse go tsamaya a dule mo gare ga sediko. 	<p>Pina, "Fa re dikologa sekgwana sa Mulberry".</p> <p>Motshameko, "hot potato, pass it on".</p> <p>Letapole le le fisang le fetise"</p>	Letsatsi 1
	<p>Dirisa didiriswa tse di kgonngwang tsa tekanotharo (3-D)</p> <p>Morutabana o supetsa morutwana hula-hupu le go ba thaloseisa gore popego ya hula-hupu ke ya sediko. Sediko ga sena dikhutlo.</p> <p>Letelela barutwana</p> <ul style="list-style-type: none"> - Tshwara tekanothakoretharo o ntse o tshwara ka sediko ka menwana. - Batla tekanyothakoretharo mo phaposing tsa popego e e tshwanang le sediko <p>Tihaola le go Bapisa didiriswa</p> <p>Morutabana o neela barutwana didiriswa tse di farologaneng tsa tekanothakoretharo (3-D) le dipopego tekatekanyo tlhakorepedi (2-D) ka bogolo jo bo farologaneng (tonna le nnye) le mmala (khibidu, serolwana le botala jwa loapi) jaaka bolo ya tenese, dimabole, dibauni jalo jalo</p> <p>Letelela barutwana go:</p> <ul style="list-style-type: none"> - Tthaola didiriswa go ya ka botonna le bonnye - Kgobokanya didiriswa go ya ka mebala 	<p>Hula- hupu</p> <p>Didiriswa tsa tekanothakoretharo (3-D) tse di kgolokwe farologaneng jaaka bolo ya tense, dimabole le dibatuni jalo jalo.</p> <p>Dipopego tekanothakorepedi (2-D) jaaka didiko tsa polasitiki tse di segeletswe.</p>	Letsatsi 1

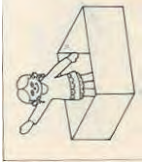
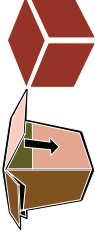
Beke 3 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)
Setlhogo	Dintlha tsa tihaloso
<p>4.1 Nako Maemo a bosa le khalentara</p>	<p>• Itsise barutwana ka karata tsekedimo ya maemo a bosa</p> <ul style="list-style-type: none"> - Maemo a bosa a emela beke (malatsi a le mathano) a dirisa dikarata tsekedimo tsa matshwao sekao malatsi a le mathano a rulagantswe go tswa kwa molemeng go ya kwa mojeng o dirisa matshwao a maemo a bosa (lebelela sekao se se kwa tlase) - Maemo a bosa a tshwanetse go rutiwa letsatsi le letsatsi - Morutabana o kaela barutwana go thomamisa letsatsi, letlha le kgwedi ka go dirisa dikarata tsekedimo jaaka lenaneo (mo nakong e e latelang barutwana ba ka nna ba supa le go supetsa dikarata tsekedimo ka bobone) - Moeteledi pele wa letsatsi o lebelela maemo a bosa kwa ntle le go bolela diphithhelelo le setlhopha sotlhe sekao pula e a na, go maru, go letsatsi. - Morutabana o supetsa barutwana diphithhelelo mo karateng jaaka mo lenaneong (mo nakong e e latelang Letlelela barutwana go : bontshe dikarata tsekedimo ka bobone) - Ka go dira se, barutwana ba ithuta ka bobone malatsi a beke le mafelo a beke. - Ba ithuta ka ga gompiono, maabane, ka moso jalo jalo - Barutwana ba newa ditshono tse dintsi go bala go fitlha ka 5. Ba bala malatsi a go leng letsatsi, malatsi a go leng tsididi, malatsi a go leng diphefo jalo jalo - Supetsa letshwao la morutwana fa go na le malatsi a matsalo mo bekeng. - Supetsa ditirwana tse di diragalang mo bekeng sekao go ya kwa serapeng sa diphologolo (setshwantsho sa phologolo se dirisiwe)
	<p>Dithusa-thuto tse di atlenegesitsweng</p> <p>Karata tsekedimo tsa pontsho ya maemo a bosa e tshwanetse go emela beke sekao malatsi a beke a rulaganngwe go tswa mo molemeng go ya kwa mojeng, ba rulaganye dikgwedi tsa ntlha tse 6, di rutiwe letsatsi le letsatsi</p> <p>Malatsi a supa a beke</p> <ul style="list-style-type: none"> - Dipalo 1-31 - Maina a dikgwedi tsa ngwaga tse 12 - Ngwaga sekao 2012 - Dikarata tsekedimo di supetsa maemo a bosa sekao
	<p>Ruta barutwana pina ya malatsi a beke e ba tla e tshwarelelang ka tlhogo</p>
	<p>Go diphefo</p> 
	<p>Go letsatsi</p> 
	<p>Pula e a na</p> 
	<p>Go maru</p> 

<p>Beke 3 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>		<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlenegesitsweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>																					
<p>Sekao sa karata tsekedimo ya bosa</p>		<p>Karata tsekedimo ya maemo a bosa</p>		<p>Seetebosigo 2012</p> <table border="1"> <thead> <tr> <th>Latshipi</th> <th>Mosupologo</th> <th>Labobedi</th> <th>Laboraro</th> <th>Labotlhano</th> <th>Labotlhano</th> <th>Lamatlhato</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Latshipi	Mosupologo	Labobedi	Laboraro	Labotlhano	Labotlhano	Lamatlhato	12	13	14	15	16	17	18							
Latshipi	Mosupologo	Labobedi	Laboraro	Labotlhano	Labotlhano	Lamatlhato																					
12	13	14	15	16	17	18																					
																											
<p>Tatelano ya ditragalo tse di ipoeletsang mo matshehong a bone</p>	<p>Poelelo ya tatelano ya ditragalo tsa botshelo jwa gago jwa letsatsi le letsatsi Malatsi a beke Morutabana o ruta barutwana pina kgotsa raeme ka ga malatsi a beke. Boeletsa karata tsekedimo ya maemo a bosa letsatsi le letsatsi jaaka go buisanwe. <i>Pina:</i> "Go malatsi a supag, go malatsi a supa mo bekeng, go malatsi a supa mo bekeng." "Sontaga, Mantaga, Lwabobedi, Lwaboraro, Lwabone, Lwabotlhano, Lwamatlhato." (x2)</p>		<p>Pina: Malatsi a beke kgotsa tihama pina ya gago ka malatsi a beke.</p>		<p>lepalepanya fa ditha di fetoga</p>																						
<p>4.1 Nako</p>	<p>Itsise karata tsekedimo e e bontsha ditlha tse nne, o bontsha ka motsu:</p> <ul style="list-style-type: none"> - Setlha se re leng mo go sone - Ke setlha sefe se se fetileng le - Setlha se se latelang? - Supetsa setshwantsho sa setlha se re leng mo go sone o golaganye le kgwedi e e maleba. Sekao o ka supetsa setshwantsho sa setlha sa selemo, Ferikgong go fitha ka Mopitlwe 		<p>Dikarata tsekedimo tse nne tse di farologaneng ka setshwantsho sa nngwe ya ditha mo go sona</p> <p style="text-align: center;">Setlha</p>  <p>Selemo Lethabula Dikgakologo Mariga</p>		<p>lepalanya fa ditha di fetoga</p>																						
<p>Dintlha:</p>		<p>Dikgopolo tsothe tse dintshwa di tshwanetse go tihagisiwa go ya ka dikgato tse di latelang:</p> <ul style="list-style-type: none"> • Kgato ya Metshameko ya go dirisa mmele (itemogele dikgopolo tse ka go dirisa mmele le go dirisa dirwe tsa kutlo • Kgato ya didirisa tse di kgonngwang (dirisa didirisa tsa tekatekanothakoretharo (3-D) • Didirisa tsa dikgonngwa tse di halofo (tshwantsho ya tekatekanothakoretharo 3-D mo lethare la pampiri sekao ditshwantsho, go bapisa ditshwantsho, metshameko ya dikarata tsekedimo jalo jalo) Dipopego tsothe tse di sephaphathi ke didirisa tsa tekatekanothakorepedi. 																									

Beke 4 Kiitsiso			
Nako e e tshithintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1 Bala didiriswa	<p>Tlhaola le go tlhalosa dipalotlalo</p> <p>Itsise bokao jwa dipalo ya 1</p> <p>O balela kwa godimo o boeletsa go tloga ka 1-5</p> <p>Metsameko ya go dirisa mmele</p> <p>Letelela barutwana</p> <ul style="list-style-type: none"> - Supa dikarolo tsa mmele sekao nko e le nngwe - Nota tlhogo ganngwe, go itaya ka leoto ganngwe, tiola ganngwe jalo jalo. - Tsholetsa monwana o le 1, letsogo le le 1, leoto le le 1 jalo jalo - Bopa dipalo 1 ka mmele ya bone - Kwala dipalo 1 mo moyeng /le fa fatshe - Opa diatla ganngwe 	<p>Dipalo ya dipina le diraeme</p> <p>Barutwana</p>	Letsatsi 1
	<p>Didiriswa tse di dikgonngwang tsa tekanothakoretharo (3-D)</p> <p>Letelela barutwana</p> <ul style="list-style-type: none"> - Supa sediriswa se sengwe mo phaposing sekao boloko e le nngwe ya go aga - Bopa dipalo ya 1 ka seloko ya go tshameka 	<p>Diririswa tse di mo phaposing le mo tikologong</p>	
	<p>Dirisa dipopego tsa tekanothakorepedi go ruta ka ga dikgonngwa tse di halofo</p> <p>Letelela barutwana go</p> <ul style="list-style-type: none"> - Supa setshwantsho sa sediriswa se le sengwe mo karateng tse di farologaneng - Bapisa dikarata tsekedimo tsa ditshwantsho le sediriswa se le sengwe go karata tsekedimo ya lerontho le lengwe mo go yona - Ka gale gokaganya dikarata tsekedimo tsa setshwantsho le dikarata tsekedimo tsa tsa dipalo tsa marontho a a tshwanang le dibadisi sekao tlhatlhaganya dipalo e e tshwanang ya Dibadisi mo godimo ga lerontho lengwe le lengwe - Fa o sena go itsise dipalo 1, morutabana o supetsa karata tsekedimo ka go e baya mo leboteng mo barutwana ba tia e boneng teng letsatsi le letsatsi 	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Setshwantsho sa sediriswa se le sengwe</p>  </div> <p>Padisi e le nngwe ya morutwana mongwe le mongwe.</p> <p>Dikarata tsekedimo tse di farologaneng tsa ditshwantsho.</p> <p>Karata tsekedimo ya marontho</p>	

Beke 4 Nako e e tshitshintsweng ya go ruta Kitsiso Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>2.1 Dipaterone tsa Jeometeri</p>	<p>• Supa dipaterone mo tikologong le mo diaparong tsa barutwana Letlelela barutwana</p> <ul style="list-style-type: none"> - Buisana le barutwana ka dipaterone tse ba di boneng mo tikologong le diaparong tsa bone: - Ke dipaterone tsefe tse di nang le mela? - A dipaterone tsothe di a tshwana.pharologanyo ke eng le gore di tshwana ka eng? - Ke eng se se dirang paterone? - Paterone e ya ipoeletsa-mela/diboloko/dipopego <p>Kopolola le go atolosa dipaterone Metshameko ya go dirisa mmele</p> <p>Murutabana o golegela ribono e khibidu le e bududu mo diatlang Letlelela barutwana go : le banne. O bopa paterone ka go baya morutwana wa ribono e khibidu mo pele ga morutwana wa ribono e bududu, wa ribono e khibidu a letelwa ke wa ribono e e botata jwa loapi. Letlelela barutwana go feleletsa paterone</p>	 <p>Diribono tse di khibidu le tse di bududu</p>	Letsatsi 1
	<p>Dirisa dipopego tekanothakoretharo (3-D) go ruta ka ga dikgonngwa tse di bonagalang</p> <ul style="list-style-type: none"> - Murutabana o thaya paterone ka dikhurumelo tse 3 tse di bududu le tse khibidu tse 3 - Letlelela barutwana go kopolola paterone 	<p>Dikhurumelo tse di khibidu le tse di bududu di newa morutwana mongwe le mongwe</p>	

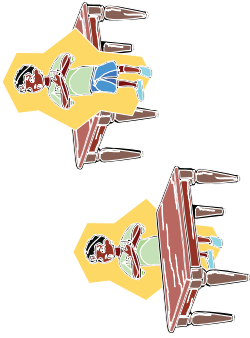
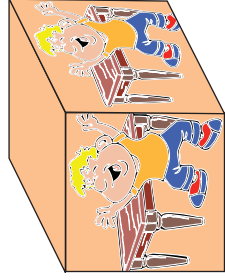
Beke 4 Kiitsiso			
Nako e tshithintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>3.2 Ditekanotha-koretharo (3-D)</p> <p>3.3 le dipopego tekanothakorepedi (2-D) mo phaposing le ditshwantsho</p>	<p>Tlhaola dipaterone mo tikologong le mo diaparong tsa barutwana</p> <p>Godisa bokgoni go farologanya fa gare ga didiriswa “thanolopepele le thanolo morago”</p> <p>Dirisa dikgonngwa tse di bonagalang go ruta ka ga dipopego tekanothakoretharo</p> <p>Murutabana o baya didiriswa tse di farologaneng mo phaposing le kwa ntle mo patlelong</p> <p>Letlelela barutwana</p> <ul style="list-style-type: none"> - Supa didiriswa tse di farologaneng mo phaposing sekao didiriswa tsa legong, ddiririswa tse dikhibidu, didiriswa tsa polasitiki - Batla didiriswa tse di riling mo phaposing ka go latela dikaelo tsa morutabana sekao bolo mo setshelong sa diboloko tsa Lego, koloi ya go tshameka mo teng ga khaboto, pensele mo teng ga thini jalo jalo - Batla didiriswa tse di tshwanang sekao ditalama tse di kgolokwe mo gare ga tse dikhutlonne, mabole o mohibidu mo gare ga dimabole tsa mebalabala jalo jalo - Tlhaola sediriswa go ya ka mofuta wa sone sekao mmala, bogwasipa kgotsa popego - Tshameka motshameko “Sethodi ka leitlho le le lengwe, selo sengwe se se kgolokwe.....” - Batla didiriswa tse di riling mo tikologong o latelela ditaello tsa morutabana sekao nonyane mo setlhareng, ribono mo setlhareng, tšhešhe e e ntle, tshoswane e tsamaya mo lethareng jalo jalo - Kwa gae barutwana ba rotloediweng go tlosa dintsho tsothe, kgotsa dithipa kgoisa diforotho go tswa mo laeng 	<p>Didiriswa tse di farologaneng mo phaposing le mo tikologong .</p>	<p>Letsatsi 1</p>
<p>Dirisa dikgonngwa tse di halofo kgotsa ditshwantsho go ruta ka dipopego tekanothakorepedi (2-D)</p> <p>Examples: supetsa barutwana setshwantsho le go ba botsa dipotso tse di lebaganeng go setshwantsho</p> <ul style="list-style-type: none"> - "Mosetsana o tshwere eng mo letsogong" - Go na le batho ba le ba kae mo sekepeng? jalo jalo - Aga malea le go tshameka ditomino tsa ditshwantsho di siametse go godisa barutwana mo ponong ya setshwantsho fa fatshe. 	<p>Setshwantsho sengwe le sengwe go buisana (phousetara)</p>  <p>Malea</p>	<p>Setshwantsho sengwe le sengwe go buisana (phousetara)</p>	

<p>Beke 4 Kitsiso</p>	<p>Nako e e tshithintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tlhaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>
<p>3.2 Didiriswa tsa tekanothakoretharo 3-D Tlhalosa, tlhaola le go bapisa didiriswa tsa tekanothakoretharo(3-D) le dipopego tsa tekanothakorepedi (2-D)</p>	<p>Utolola dipopego le bogolo jwa mabokoso Metshameko ya go dirisa mmele Letlelela barutwana</p> <ul style="list-style-type: none"> - Palama mo teng le kwa ntle ga lebokoso le le tonna - Batisisa se se mo teng ga lebokoso ka motlotlo ka ga se ba se bonang mo teng ga leboko sekao lebokoso le na le bokwa tlase, e na le mathakore a le mane le sekhurumelo - Bula lebokoso go lebelela popego <p>Dirisa dikgonngwa tse di kgonngwang go ruta ka ga tekanothakoretharo</p> <ul style="list-style-type: none"> - Dirisa mabokoso go aga dipopego sekao ntle, garaje (dirisa ka nako ya botsweretsi jwa pono(visual arts) go aga o dirisa mabokoso a a farologaneng ka bogolo - Neela barutwana ka didiriswa tse di farologaneng jaaka ditlamma, diboloko, dikhurumelo tsa mabotlolo jalo jalo. <p>Letlelela barutwana</p> <ul style="list-style-type: none"> - Go tlhaola didiriswa ka diithopha tsa mefuta e tshwanang - Batisisa gore dipharologanyo ke eng magareng ga didiriswa - Batisisa gore didiriswa dife tse di khutlone le tse di kgolokwe - Tlhaola didiriswa go ya ka mmala o tshwanang. 	<p></p> <p>Mabokoso a a farologaneng a matonna le a mannye (setsidifatsi se se lolea le setofo se se dirilweng ka lebokoso</p> <p></p> <p>diboloko, dikhurumelo, ditswalo tsa dipolasitiki tsa borotho(l barutwana ba ka tla le tsone go tswa gae)</p> <p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p>

Beke 4 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>3.3 Dipopego tekanothakorepedi (2-D)</p> <p>Fa o itsise barutwana lwa ntsha ka ga khutlotharo, didiriswa tse o di dirisang di tshwanetse go tshwana letsatsi le letsatsi (bogolo jo bo tshwanang, mmala o o tshwanang le phopholego e e tshwanang Khutlotharo e na le matlhakore a le mararo a tlhamaletsweng) Se, se bidiwa khutlotharo</p> <p>Metshameko ya go dirisa mmele Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Dirir/bopa dipopego ka mebele ya bone sekao barutwana ba bopa khutlotharo ba mebele ya bone - Ba bopa khutlotharo ba dirisa menwana ya bone. - Ba dirir/bopa khutlotharo ka go dirisa manatwana a wulu kgotsa seloko e e tshamekang. - Tsamaya mo godimo ga thadiso ya popego ya khutlotharo. Fa ba ntse ba tsamaya ba bue ba re "Ke tsamaya mo godimo ga thadiso ya matlhakore a khutlotharo nngwe, pedi, tharo kgotsa dikhutlwana nngwe, pedi, tharo (sekhutlo) - Phopholetsa dipopego. Dirisa dipopego tse dikgolo kgotsa o tsenye dipopego tse di farologaneng mo kgetsing e o kgonang go e phopholetsa. Morutwana o phopholetsa popego mo kgetsing le go bapisa le setse ya dikarata tsekedimo tse di maleba (dikarata tsekedimo di na le dipopego di tshwantshitswe mo go tsone.) - Thala popego ya khutlonne mo moyeng, mo fatshe, ka tshoko, mo bofelong o dirise pampiri <p>Tlhalosa, tlhaola le go bapisa dipopego tsa tekanothakoretharo (3-D) Dirisa dikgonngwa tse di kgonngwang go ruta ka ga tekanothakoretharo Letlelela barutwana go</p> <ul style="list-style-type: none"> - Tlhaola dipopego tsa dikotana go ya ka popego (sediko le khutlotharo) bogolo (tonna le nnye) le mmala (khibidu, serolwana, botala jwa legodimo) - Lebelela dipopego tsa khutlotharo mo phaposing le mo tikologong. 	<p>Lemoga, tlhaola le go neela maina a dipopegotsa tekanothakorepedi (2-D) mo phaposing kgotsa ditshwantsho</p> <p>Itsise ka ga Khutlotharo</p> <p>Fa o itsise barutwana lwa ntsha ka ga khutlotharo, didiriswa tse o di dirisang di tshwanetse go tshwana letsatsi le letsatsi (bogolo jo bo tshwanang, mmala o o tshwanang le phopholego e e tshwanang Khutlotharo e na le matlhakore a le mararo a tlhamaletsweng) Se, se bidiwa khutlotharo</p> <p>Metshameko ya go dirisa mmele Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Dirir/bopa dipopego ka mebele ya bone sekao barutwana ba bopa khutlotharo ba mebele ya bone - Ba bopa khutlotharo ba dirisa menwana ya bone. - Ba dirir/bopa khutlotharo ka go dirisa manatwana a wulu kgotsa seloko e e tshamekang. - Tsamaya mo godimo ga thadiso ya popego ya khutlotharo. Fa ba ntse ba tsamaya ba bue ba re "Ke tsamaya mo godimo ga thadiso ya matlhakore a khutlotharo nngwe, pedi, tharo kgotsa dikhutlwana nngwe, pedi, tharo (sekhutlo) - Phopholetsa dipopego. Dirisa dipopego tse dikgolo kgotsa o tsenye dipopego tse di farologaneng mo kgetsing e o kgonang go e phopholetsa. Morutwana o phopholetsa popego mo kgetsing le go bapisa le setse ya dikarata tsekedimo tse di maleba (dikarata tsekedimo di na le dipopego di tshwantshitswe mo go tsone.) - Thala popego ya khutlonne mo moyeng, mo fatshe, ka tshoko, mo bofelong o dirise pampiri <p>Tlhalosa, tlhaola le go bapisa dipopego tsa tekanothakoretharo (3-D) Dirisa dikgonngwa tse di kgonngwang go ruta ka ga tekanothakoretharo Letlelela barutwana go</p> <ul style="list-style-type: none"> - Tlhaola dipopego tsa dikotana go ya ka popego (sediko le khutlotharo) bogolo (tonna le nnye) le mmala (khibidu, serolwana, botala jwa legodimo) - Lebelela dipopego tsa khutlotharo mo phaposing le mo tikologong. 	<p>Motshameko wa dikarata tsekedimo go godisa temogo ya dipopego</p> <p>Wulu kgotsa seloko sa go tshameka</p> <p>"Kgetsana e e phopholeliwang (dirisa kgetsana ya lapa ka rekere kwa godimo) ka dipopego tse di farologaneng tsa thuto ya tekatekanyo (thutatekano)</p> <p>Bapisa sete ya dikarata tsekedimo e e tshwantshitsweng dipopego mo go tsone</p> <p>Pampiri ya A4 le dikerayone</p> <p>Dipopego tsa dikotana (Logi)</p> <p>Dipopego mo phaposing le mo tikologong</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p>

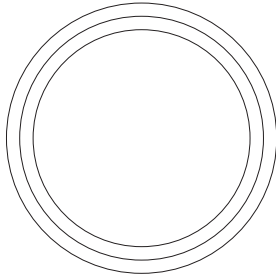
Nako e e tshitshintsweng : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana ka beke (mosako) ya ± 30 metsotso (± 5 ditirwana tsa dipalo mo bekeng)		
Beke 5	Dintlha tsa tihaloso	Nako e e lekanyeditsweng
Setlhogo		Didiriswa tse di atlenegisitweng
1.1 Bala didiriswa	<p>Tlhalosa le go tlhophha dipalotlalo</p> <p>Gatelela kitso e a e boneng mo dibekeng tse 4 tse di akaretsang dipalo ya 1</p> <p>Ka molomo: Go Bala letsatsi poeletso go tswa mo go 1 go fitlha ka 5</p> <p>Metshameko ya go dirisa mmele</p> <p>A barutwana:</p> <ul style="list-style-type: none"> - Ba dira dira selotsoptso s k ba opa diatla gangwe. - Morutabana o supetsa papetlana e e supetsang dipalo 1 mme barutwana ba tsholetsa monwana o le 1, seatla se 1, leoto le le 1 jj. <p>Didiriswa tsa tihakoretharo tse di kgonngwang</p> <p>A barutwana:</p> <ul style="list-style-type: none"> - Bona sediriswa se le sengwe mo phaposing. - Bala sebadisi se le sengwe. <p>Dirisa didiriswa tse dikgonngwang tsa popegotekatekano tihakorepedi kgotsa setshwantsho</p> <ul style="list-style-type: none"> - Bapisa mofuta wa setshwantsho se le sengwe, le karata ya tsekedimo e le nngwe ka lerontho. - Bapisa mofuta wa setshwantsho se le sengwe ka papetlana pontsho ya letshwao palo e le 1. - Bapisa letshwao la palo le karata shekedimo ya leinapalo . - Dirisa dipalo tsa phasele mme o letlele barutwana go di bapisa sekao. 	<p>Dipina tsa dipalo le diraeme</p> <p>Setshwantsho sa sediriswa se le sengwe</p> <p>1</p> <p>nngwe</p> <p>Sediriswa se le sengwe</p> <p>Sebadisi se le sengwe</p> <p>Mefuta ya dipapetlana ka setshwantsho se le sengwe, le kolwana e le nngwe mo go tsona A variety of flash cards with one picture, and one dot on them.</p> <p>Papetlana e e nang le letshwao palo le inapalo Flash card with number symbol and number name</p> <p>Setshwantsho sa sediriswa se le sengwe</p> <p>1</p> <p>nngwe</p>
		Letsatsi 1




Beke 5		Nako e e tshitshintsweng : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana ka beke (mosako) ya ± 30 metsotso (± 5 ditirwana tsa dipalo mo bekeng)	
Setlhogo	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitsweng	Nako e e lekanyeditsweng
3.4 Lemoga molatekatekano	<p>Gatelela temogo ya gore mmele wa motho o na le mathakore a le mabedi sekao “lethakore le lengwe le lethakore le lengwe le le yang ko” mojeng” le molema ”</p> <p>Metshameko ya go dirisa mmele</p> <p>Morutabana o tihalosa mathakore a mabedi a mmele.</p> <p>Letlelela barutwana go :</p> <ul style="list-style-type: none"> - Ema ka leoto le lengwe mme gape ba eme ka leoto le lengwe.. - Tsamaela kwa modumong o o tsamaelanang wa setsikinyegi go ya kwa lethakoreng la phaposi. Fa motshikenyego o ema, barutwana bay a kwa lethakoreng la phaposing. <p>Dirisa didiriswa tse dikgonngwang tsa popegotekatekano tlhakorepedi kgotsa setshwantsho</p> <p>Dirisa dikgonngwa tsa tekatekanotlhakoretharo 3-D le didiriswa Morutwana mongwe le mongwe o fiwa kgetsi ya dinawa :</p> <p>Letlelela barutwana go :</p> <ul style="list-style-type: none"> - Ba beye dikgetsi tsa dinawa mo fatshe mo thoko ga bona. - Isa kgetsi ya dinawa go ya kwa lethakoreng la mmele wa bona ba dirisa menwana ya maoto, diatla jji. - Baya kgetsi ya dinawa mo fatshe mo lethakoreng la mmele mme o tsamaisetse kwa lethakoreng le lengwe. - Gatelela kakanyo ka go e lomaganya botsweretshi jwa pono ka go letlelela barutwana go dira ditshwantsho tsa serurubele. <p>(Mena pampiri ka bogare;tshela lerontho la pente mo lethareng la pampiri;menaganya pampiri ka bogare mme o gase pente mo setshwantshong, bula le go lebelela serurubele; kgaola mola o kgaoganyang – serurubele se na le mathakore a mabedi a tshwanang)</p>	<p>Setsikinyegi se ka itirelwa mo gae – setshelo se se nang le sekhurumelo se tladitswe ka majwana.</p> <p>Morutwana yo mongwe le yo mongwe Kgetsana ya dinawa</p>	<p>Letsatsi 1</p>
3.2 Didiriswa tsa Tekatekanotlhakoretharo 3-D	<p>Itsise le go utulola dilo tse di kgonang go kgokologa</p> <ul style="list-style-type: none"> - Buisana ka ga bokgolokwe jwa didiriswa. Baya didiriswa tse dikgolokwe mo teng ga kgetsana ya lesela (kgetsana ya lesela). Barutwana ba tsaya sediriswa go tswa mo go yona mme ba tthalose bokgolokwe jwa teng. - Barutwana ba supetsa ka mokgwa didiriswa di pitikang ka thulamo go tsholetswa ditafole ka ditena tse pedi.L 	<p>“Kgetsana ya masela” (Kgetsana ya masela ka rekere mo godimo) Mo kgetsaneng go na le: Bogolo jo bo farologaneng, mabole, silindara, dithini tsa senotsididi e e senang sepe , dipopego tse dikgolokwe tsa polasitiki kgotsa dikhurumelo tsa mabotlole tsa popego ya polasitiki</p>	<p>Letsatsi 1</p>

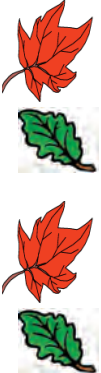
Nako e e tshitshintsweng : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana ka beke (mosako) ya ± 30 metsotso (± 5 ditirwana tsa dipalo mo bekeng)		Nako e e lekanyeditsweng
Beke 5	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitweng
<p>Setlhogo</p> <p>3.1 Maemo, kitsiso le dipono</p>	<p>Maemo a didiriswa mo go pedi kgotsa go feta mapapi le morutwana</p> <ul style="list-style-type: none"> - Pele ga / morago ga <p>Metshameko ya go dirisa mmele:</p> <p>Morutabana o tlopha barutwana ba babedi go bala ka raemeng:</p> <ul style="list-style-type: none"> - Baya ditulo tse pedi mo pele ga phaposi.. - Barutwana ba le babedi ba supetsa kakanyo ya pele ga le morago ga go ya ka ditaello tsa morutabana sk. <ul style="list-style-type: none"> o Dimpho ema fa pele ga setilo o Lebo ema mo morago ga setilo - Fa ba setse ba kgonne morutabana o tsholetsa papetlana mme barutwana ba bontshe se se diragadiwang ba dirisa ditulo tsa bona - "Se se kannna sa bontshiwa go dirisiw/Letelela barutwana go: le bararo. <ul style="list-style-type: none"> o Tshepang o eme mo morago ga Reo mme Khumo o eme fa pele ga Tshepang . - Morutabana o neela barutwana letaese le legolo le le nang le ditshwantsho tse di farologaneng tse di tihalosang "mo pele ga le mo marago "di kwadilwe mo matlhakoreng sk.ema mo pele ga mongwe wa moriri o motele, ema mo morago ga motho o o apereng borukgwe; dula mo morago wa o mongwe jji - Letelela barutwana go tshameka motshameko ka dithopha ka go lathela letaese le go diragatsa ka moo e weleng teng, 	<p>Ditulo</p> <p>Barutwana</p> <p>Dipapetlana ka tiragatso ya pele le morago</p>  
		Letsatsi 1

Beke 5	Nako e e tshitshintsweng : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana ka beke (mosako) ya ± 30 metsotso (± 5 ditirwana tsa dipalo mo bekeng)	
Setlhogo	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitsweng
<p>3.2 Didiriswa tsa Tekano-tlhakoretharo (3-D)</p>	<p>Dintlha tsa tihaloso</p> <p>Ka didiriswa tse pedi tse o di filiweng bapisa gore ke efe e tonna le e nnye Metshameko ya go dirisa mmele Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Godisa mmele wa bona go nna motonna ka go phutholola diatla a bona mo godimo ga ditlhogo tsa bona. - A ba dire mmele ya bona mennye ka gokobega le go ikhutuganya. - Tlhomamisa gore a ntswa e tonna go peba <p>Tiriso ya didiriswa tsa tlhakoretharo tse di kgonngwang Ka gale tlhagisa bonnye didiriswa tse pedi mo go bapisanyeng .</p> <ul style="list-style-type: none"> - Bapisa bogolo jo bo farologaneng jwa mefuta e e tshwanang ya diboloko, dibolo, dipolaiti, ditalama, tafole, ditulo jj le go thomamisa gore ke didiriswa tse feng tse di "ditonna/nnye" le "bogolo le bonnye". - Aga meago ka diboloko mme barutwana ba tshwantshe gore ke mang moago wa gagwe o leng mogolo le o monnye. <p>Tekanotlhakorepedi kgotsa ditshwantsho tsa dikgonngwa tse di halofo</p> <ul style="list-style-type: none"> - Thala ditshwantsho tse di tshalosang kakanyo ya bogolo le bonnye. - Dirisa kakanyo ya bogolo le bonnye ka nako ya botsweretshi jwa boithamedu. 	<p>Nako e e lekanyeditsweng Letsatsi 1</p> <p>Setshwantsho sa peba le ntswa (netefatsa gore setshwantsho sa ntswa se nna setonna mo setshwantshong sa peba)</p> <p>Didiriswa tse di mo phaposing jaaka diboloko, dibolo, dipolaiti, ditalama, dibaga, dithobane, diphekese, dibokoso tsa molelo, ditini, dikhurumelo tsa dibotlolo, jj.</p> <p>Ditshwantsho tse di bontshang bogolo le bonnye .</p>



Nako e e tshitshintsweng : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana ka beke (mosako) ya ± 30 metsotso (± 5 ditirwana tsa dipalo mo bekeng)		
Beke 5	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitsweng
Setlhogo		Kgolokwe e e kgolo le nnye mo mmung / mo fatshe
3.2 Didiswa tsa tekanothakore (3-D)	<p>Bapisa gore ke didiriswa tse feng tsa tse pedi tse di :</p> <ul style="list-style-type: none"> - Bogolo le bonnye - Tonna thata le nnye thata - Tonna thata thata le nnye thata thata <p>Metshameko ya go dirisa mmele</p> <p>Murutabana o bapisa kgolokwe e nnye mo mmung, mo fatshe/fulurong.</p> <ul style="list-style-type: none"> - Barutwana ba tsamaya mo thadisong ya sediko e nnye <p>Murutabana o thala kgolokwe e e kgolo kwa ntle ga kgolokwe</p> <ul style="list-style-type: none"> - Barutwana ba tsamaya mo thadisong ya sediko se segolo - Morutabana o botsa dipotso: <ul style="list-style-type: none"> o Ke sediko sefeng se sennye thata? o “Ke sediko sefeng se segolo thata?” o “Tsamaya godimo ga sediko se sennye ” o Tsamaya mo sedikong se segolo . <p>Murutabana o thala kgolokwe e kgolo mo ntle ga kgolokwe</p> <ul style="list-style-type: none"> - Barutwana le bona ba tsamaya mo thadisong ya kgolokwe e kgolo - Morutabana o botsa dipotso di tshwana le: <ul style="list-style-type: none"> o Ke kgolokwe efeng e e kgolo?” o “Ke dikgolokwe difeng tse di nnye? 	<p>Nako e e lekanyeditsweng</p> <p>Letsatsi 1</p>



Nako e e tshitshintsweng : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana ka beke (mosako) ya ± 30 metsotso (± 5 ditirwana tsa dipalo mo bekeng)		
Beke 5	Dintlha tsa tihaloso	Nako e e lekanyeditsweng
<p>Setlhogo</p> <p>3.2 Didiswa tsa tihakoretharo tse di kgongwang. Barutwana ba tlaola le go Bapisa didiriswa tse di farologaneng go ya ka bogolo (kgolo, nnye)</p> <ul style="list-style-type: none"> - Ditalama tse di kgolo go tswa go tse di nnye. - Dintsho a magolo go tswa go a mannye. - Dibokoso tse di kgolo go tswa go tse dinnye <p>Tirwana e e ka atolosetswa go motshameko wa kwa ntle (tshameko yam mu le ya metsi) ko barutwana ba ka Bapisang didiriswa le go Motlotlo tse di nnye, kgolwane, kgolo thata le nnye thata.</p> <p>E ka nna gape ya goagantswa le botsweretshi jwa pono – dirisa kolage o dirisa didiriswa tse di kgolo /nnye!</p> <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D) Letlelela barutwana go:</p> <ul style="list-style-type: none"> - tshameka motshameko wa dikarata tsekedimo le go tlaola nnye, kgolo, kgolwane go tswa mo ditshwantshong. - botsa dipotso di tshwana le: “Ke tlhapi e feng ya ntiha kgotsa ke efeng ya bofelo?” “Ke tlhapi efeng e e mo gare?” 	<p>Didiriswa tse di atlenegjisitsweng</p> <p>Diboloko tsa di agang le dibolo tsa bogolo jo bo sa lekaneng.</p> <p>Ditalama, dibokoso tsa ditlhare, dibokoso tsa maswi tse di di senang sepe. Dibotlolo tsa ditlhare ji.</p> 	<p>Nako e e lekanyeditsweng</p>
		
		
	<ul style="list-style-type: none"> - Kgatelopele ya ditlhaka gore barutwana ba lemoge gore ditshwantsho di emela mafoko. Barutwana ga e se gore ba tshwanetse go buisa ditlhaka. 	

Beke 6 Kitsiso			
Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1 Bala didiriswa	<p>Fopholetsa le go bala didiriswa letsatsi le letsatsi ka botshepegi</p> <p>Go bala letsatsi le letsatsi</p> <ul style="list-style-type: none"> - Go Motlotlo: go bala o ipoeletsa / o bala letsatsi moribo go tloga ka 1-5 - O opela dipina tsa dipalo le diraeme 	Dipina tsa dipalo le diraeme	Letsatsi le letsatsi
1.2 Dipaterone tsa Jeometeri	<p>Kopolola paterone</p> <p>Metshameko ya go dirisa mmele:</p> <ul style="list-style-type: none"> - Morutabana o supetsa paterone ka mmele le barutwana ba tshwanetse go kopolola dipaterone sekao opa diatla, gata ka maoto, thwatlosa menwana jalo jalo <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D)</p> <p>Kopolola paterone o dirisa dipopego sekao</p> <ul style="list-style-type: none"> - Dirisa mefuta e farologaneng ya mathhare - Dirisa dipopego sekao sediko, sediko, khutlotharo , sediko..... - Dirisa didiriswa sekao pekese e khibidu, e e botala jwa loapi, e e serolwana, e e khibidu..... <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <p>Letlelela barutwana go</p> <ul style="list-style-type: none"> - Bopa dipaterone tsa bona ka go dirisa dikarata tsekedimo tsa ditshwantsho sekao tšhešhe, lethare, lethare, tšhešhe..... - Bopa dipaterone tsa bone ka go dirisa dikarata tsekedimo tsa mmala sekao khibidu, bududu, khibidu, bududu, khibidu..... - Ka nako ya botsweretshi jwa boithamedu barutwana ba gatise dipaterone ba dirise sepontšhe se se segolotsweng dipopego 	<p>Barutwana</p>  <p>Dipopego tsa Logi Borotho ya Pekese</p>	Letsatsi 1

Beke 6 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
Setlhogo				
3.3 Dipopego tsa Tekanotlhakorepedi (2-D)	<p>Lemoga, tlhopho le go neela khutlonne-leina</p> <p>Itsise barutwana ka khutlonne</p> <p>Fa o itsise barutwana lwa nitlha ka khutlonne, didiriswa tse di dirisiwang di tshwanetse go tshwana gotlhe (bogolo jo bo tshwanang, mmala o tshwanang, phopholetso e e tshwanang) Khutlonne e na le matlhakore a le mane. Se, se bidiwa khutlonne</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Barutwana mo phaposing ba bopa popego ya khutlonne - Letlelela barutwana go tsamaya mo godimo ga khutlonne e e bopilweng ka thapo mo fatshe, ba nse ba tlotla "ke tsamaya mo khutlonneng-letlhakore le lengwe, matlhakore a mabedi, matlhakore a mararo, matlhakore a mane-matlhakore othe a a tshwana" - Letlelela ditlhopho tsa barutwana go bopa dikhutlonne tse dinne <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutabana o supetsa pharolognyo magareng ga sediko le khutlonne ka go ba supetsa sekhurumelo sa /mote/me/thini le thaele ya khutlonne - Sekhurumelo se utlwala se le kgolokwe fa o se tshwara le thaele e na le dikhutlo mo dikhutlwaneeng <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o thala go potologa sekhurumelo le go potologa thaele - Sekhurumelo se emela sediko le thaele e emela khutlonne - Letlelela barutwana go gatisa go potologa sekhurumelo le thaele o dirisa kerayone 	<p>Barutwana</p> <p>Thapo</p> <p>Sekhurumelo sa thini</p> <p>Thaele ya khutlonne</p> <p>Dikhurumelo tse di farologaneng tse di kgolokwe le didiriswa tsa popego ya khutlonne</p> <p>Kuranta</p> <p>Kerayone</p>	<p>Letsatsi 1</p>	
3.2 Didiriswa tsa tekatekanotlhakoretharo (3-D)	<p>3.2</p> <p>Tihaola didiriswa tekanotlhakoretharo (3-D) le dipopego tekanotlhakorepedi(2-D) kgotsa ditshwantsho</p> <p>Kgaoganyana barutwana ka ditlhopho</p> <p>Letlelela barutwana</p>	<p>- Tihaola didiriswa tse di farologaneng tsa tekanotlhakoretharo (3-D) le dipopego tekanotlhakorepedi (2-D) tse di neetsweng ke morutabana go ya ka bogolo le mmala</p> <p>- Gatelela thuto ya dipopego ka go tshameka metshameko ya dikarata tsekedimo ka nako ya motshameko o o lokologileng mo teng ga phaposi.</p>	<p>Dikarata tsekedimo tsa dipopego</p> <p>Didiriswa tsa tekanotlhakoretharo (3-D) jaaka diboloko, diboloko tsa Lego</p> <p>Dipopego tekatekanytlhakorepedi (2-D) jaaka metshameko e e gatelelang thuto ya dipopego jaaka "ke eng se se mo khutlonneng"</p>	
3.3 le dipopego tsa tekatekanotlhakorepedi (2-D)				

Beke 6 Kitsiso		Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)	
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
3.2 Lemoga, supa le naya leina la didiriswa tsa tekanotharo tse di relelang	<p>Itsise didiriswa tse di relelang</p> <p>Neela barutwana didiriswa tse di farologaneng tsa tekanothakoretharo (3-D) le dipopego tekanothakorepedi (2-D) jaaka diboloko, mabokoso, dibolo jalo jalo</p> <ul style="list-style-type: none"> - Letlelela barutwana go itemogela ka go tshameka, ba bone gore ke didiriswa dife tse di relelang le tse di dikologana - Barutwana ba ka dirisa seridiswa sa go relela kwa ifelong la go tshameka kwa ntle, kgotsa morutabana a ka dirisa tafole a e robatse go le gonnnye, a beile boloko mo godimo gore e relele - A nngwe ya didiriswa e ka relela go ya kwa godimo? - Ke didiriswa difeng tse di relelang go ya kwa tlase? - Ke eng didiriswa tse, di kgona go relela? 	<p>Diboloko</p> <p>Dibolo</p> <p>Mabokoso</p> <p>Diboloko tse di relelang/tafole ka diboloko</p>	Letsatsi 1
3.1 Maemo, kitsiso le dipono	<p>Tihalosa sediriswa se le sosi sa tekanothakoretharo (3-D) mo kamanong le nngwe.</p> <p>Godisa kgopolo mo godimo/kwa tlase, kwa tlase/mo godimo</p> <p>Metshameko ya go dirisa mmele</p> <p>Morutwana mongwe le mongwe o dula mo setilong sa gagwe</p> <ul style="list-style-type: none"> - Barutwana ba reetsa ditaelo tsa morutabana le go di latela ba ntse ba dira tiragalo sekao dula mo setilong, robala letsatsi fa tlase ga setilo - Ema mo godimo ga setilo sa gago. Dula ka fa tlase ga tafole - Baya diatla a gago mo godimo ga tlhogo ya gago - Baya diatla a gago ka fa tlase ga maoto a gago - Baya kgetsana ya dinawa ka fa tlase ga magwafa a gago - Dula mo godimo ga kgetsana ya dinawa - Tshwara hula hupu ka fa tlase ga mangole a gago <p>Dirisa dikgonngwa go ruta ka ga tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Letlelela barutwana ba le babedi go tshwara thapo ya go tlola, barutwana ba bangwe ba gagabe ka fa tlase ga thapo - Batla sediriswa ka fa tlase ga tapeiti/lebokoso jalo jalo <p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o neela barutwana ka ditshwantsho tse di farologaneng, tse di kgonang go dirisiwa go ruta kgopolo ka ga mo godimo, kwa tlase, mo godimo e tshwantshitswe sekao motho o dutse mo godimo ga pitse, ngwana a robeise ka fa tlase ga kobo jalo jalo <p>Letlelela barutwana</p> <ul style="list-style-type: none"> - Supa kgopolo ka ga mo godimo le kwa tlase mo ditshwantshong 	 <p>Setilo sa morutwana mongwe le mongwe</p> <p>Mo godimo ga tafole</p>  <p>Ka fa tlase</p>	Letsatsi 1

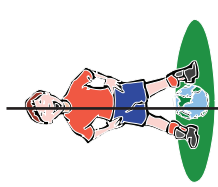
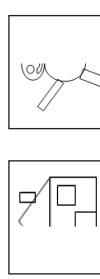
Beke 6 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>4.1 Nako</p>	<p>Tihalosa nako ya letsatsi go ya ka motshegare, le bosigo/lesedi, lefifi Itsise dikgopolo tse pedi “motshegare/bosigo le lesedi/lefifi”</p> <ul style="list-style-type: none"> • Golaganya dikgopolo tse le ditlhogo tsa kitso ya tshimologo mo dikgonong tsa botshele <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Itemogele lefifi ka go dula ka fa tlase ga tafole le ditulo tse di khurumeditsweng ka kobo - Tswala digareteini tsa phaposi go dira phaposi gore e nne lefifi le go tima mabone - Barutwana ba Motlotlo ka ga maitemogelo a bone fa phaposi e le lefifi le fa e le lesedi - Neela totšhe go tshuba ka fa tlase ga kobo - Motlotlo ka ditirwana tse di diragalang bosigo le tse di diragalang motshegare <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o baakanya positara e tshwantshitsweng letsatsi le ngwedi le go neela ditshwantsho tse di supetsang se se diragetseng mo nakong ya bosigo le mo nakong ya motshegare. - Barutwana ba baya ditshwantsho ka fa tlase ga letsatsi le/kgotsa ka fa tlase ga ngwedi 	<p>Ditilo le dikobo</p>  <p>Totšhe</p> <p>Phousetara ya letsatsi le ya bosigo</p> <p>Ditshwantsho tsa nako ya letsatsi le ditirwana tsa nako ya bosigo</p> 	<p>Letsatsi 1</p>	


Beke 7 Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) ± 30 metsotso e le ±5 ditirwana tsa dipalo tsa beke			
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse di atlenegisetsweng	Bolelele jwa nako jo bo lekanyeditsweng.
3.3 Dipopego tsa tekanothakorepedi (2-D)	<p>Lemoga, tlhophha le go neela ka maina a dipopego tsa tekanothakorepedi (2-D) mo phaposing</p> <p>Itsise diphasele le go ba kaela gore ba di age jang.</p> <ul style="list-style-type: none"> - Buisana ka setshwantsho sa phasele ka kelotlhoko e e kgethegileng mo dintlheng di tshwana le mmala, batho/diphologolo, didiriswa, maemo a batho/diphologolo le didiriswa - Supa, lemoga le go bapisa mefuta ya dikarolwana tsa phaseele sekao . . <ul style="list-style-type: none"> o Dikarolwana tsa dikhutlo. o Dikarolwana ka lethakore le le thamaletseng o Dikarolwana kwa ntl' le matlhakore a a sa thamalalang. o Bala dikarolwana tsa malea . 	<p>Mefuta e fapaaneng ya diphasele – bonyenye dikarolwana tse 6.</p>	<p>Letsatsi 1</p>


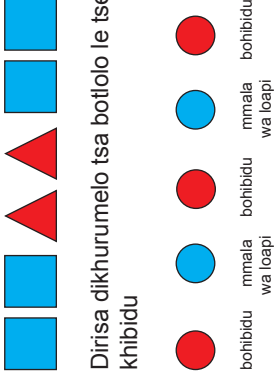


Beke 7 Nako e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) ± 30 metsotso e le ±5 ditirwana tsa dipalo tsa beke			
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse di atlenegisetsweng	Bolelele jwa nako jo bo lekanyeditsweng.
3.1 Maemo, kitsiso le dipono	<p>Maemo a didiriswa tse pedi kgotsa go feta le kamano le barutwana</p> <ul style="list-style-type: none"> - Mo teng /kwa ntle <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o dirisa teipe e kgomarelang kgotsa thapo ya go tlola go dira mela e mebedi mo fatshe - Barutwana botlhe ba ema lethakoreng le le mme morutabana a bitse, “mo nokeng/barutwana botlhe ba tshwanetse go tlola magareng ga mela e mebedi, mme morago a goe a re tswang”. Barutwana botlhe ba tshwanetse go tlolela kwa ntle mo gongwe tsa mathakore a mela e mebedi lengwe - Barutwana ba ba sa lateleng ditaelo morago sentle ba tswile mme ga ba tshwanela go tswelala ka go tshameka <p>Didiriswa tsa tihakoretharo tse di kgongngwang: Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Ema dikgato tse di mmalwa go tswa mo kgamelong/serotong. - Latlhela dinawa mo serotong <p>Dirisa didiriswa tse dikgongngwang tsa popegotekanotlhakorepedi kgotsa setshwantsho</p> <p>Dirisa dikadikgongngwa tsa popego tekanetso tihakore pedi le ditshwantsho.</p> <ul style="list-style-type: none"> - Barutwana ba thala ditshwantsho ba bapisa ka dilwana tsa diteng tsa kwa ntle. 	<p>Motshameko: Mo nokeng (gareng ga mela e mebedi), kwa ntle ga noka (kwa ntle ga mela e mebedi)</p> <p>Thapo tsa go tlolela tse 2</p>	
		<p>Kgamelo kgotsa Seroto</p> <p>Pampiri le dikerayone</p>	

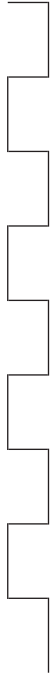

Beke 7	Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) ± 30 metsotso e le ±5 ditirwana tsa dipalo tsa beke	
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse di atlenegisetsweng
<p>3.1 Maemo, kitsiso le dipono</p>	<p>Dintlha tsa tihaloso</p> <p>Dirisa didiriswa tse dikgonngwang tsa popegotekatekano tihakorepedi kgotsa setshwantsho Maemo a didiriswa tse pedi kgotsa go feta mo kamanong le barutwana Godimo/mo tlase</p> <p>Metshameko ya go dirisa mmele Letlelela barutwana go: sale ditaelo morago di tshwana le : - Baya boloko e e khibidu mo godimo ga tihogo ya tsala ya gago - Baya boloko e e serolwana mot lase ga tafole - Baya boloko mo tihogong ya gago mme o palame tafole - Gagaba mot lase ga tafole o tswetse matlho</p> <p>Dirisa didiriswa tse dikgonngwang tsa tihakoretharo Concrete using 3-D objects: Letlelela barutwana go: - Baya dikhutlotharo mo godimo gat se dingwe - Baya dikhutlonne tse di bulu mo godimo ga tse dingwe - Baya dikgolokwe tse khibidu mo tlase ga dithutlonne tse di serolwana - Baya didiko tse di serolwana le dikhutlotharo tse dikhibidu mot lase ga khutlonne e e bulu</p> <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D) - Morutabana o baakanya dikarata tsekedimo tsa setshwantsho ka bongwe ka ditshwantsho mo go tsona mmogo le dikarata tsekedimo tsa dipopego mo go tsona - Barutwana ba tshwanetse go baya dipopego mo godimo/ mot lase ga setshwantsho fa morutabana a kopa sekao Baya khutlonne mo godimo ga seroto sa maungo</p>	<p>Diboloko tsa kago</p> <p>Dipopego tsa Logi</p> <p>Ditshwantsho tse di farologaneng</p>  <p>Dikarata tsekedimo tsa dipopego</p>  <p>Bolelele jwa nako jo bo lekanyeditsweng. Letsatsi 1</p>

Beke 7 Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) ± 30 metsotso e le ±5 ditirwana tsa dipalo tsa beke			
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse di atlenegisetsweng	Bolelele jwa nako jo bo lekanyeditsweng.
3.4 Tekatekano	<p>Gatelela temogo ya molatekatekano mo go ena (mmele wag a gagwe) Metshameko ya go dirisa mmele Letelelela barutwana go:</p> <ul style="list-style-type: none"> - Neela dikarolo tsa mmele wa bone. - Opela pina e e nang le ditiragatso ka ga mmele <p>Murutabana o supetsa barutwana kakanyo ya molatekatekano ka go pega thapo mo pele ga morutwana.</p> <ul style="list-style-type: none"> - Barutwana ba tshwaneise go gopola gore mmele wa bona o kgaogantswe ka matlhakore a le mabedi. 	<p>Pina: "Tlhogo, magetla, sehuba le letheka"</p> <p>Tiriso ya kgole go supetsa mebele ya barutwana .</p>	Letsatsi 1
	<p>- Morutabana o tihalosa ka moo mmele o kgaoganeng ka dikarolo tse pedi tse di bidiwang molagare</p> <p>- Sengwe le sengwe se motho a nang le sona mme se le gabedi se bonwa mo matlhakoreng a mabedi a mmele sekao. Matlho, ditsebe, molomo, diatla, maoto jj</p> <p>- Sengwe le sengwe se motho a nang le sona se le mogare ga molagare sekao nko, molomo.</p> <p>Mo taolong ya molagare, Letelelela barutwana go:</p> <ul style="list-style-type: none"> - Tsamaya o tsholetsa mangole kwa godimo "gwanta", - Tsamaya jaaka lesole go gwanta a gagatshetsetse ekete moteme wa lesole' - A fapaanya diatla, a fapaanya maoto fa a ntse a tsamaya <p>Gokaganya tiragatso le tiragatso ya botsweretshi mo Dikgono tsa Botshelo</p> <p>Dirisa didiriswa tse dikgonngwang tsa popegotekatekano tlhakorepedi kgotsa setshwantsho</p> <ul style="list-style-type: none"> - Thala ditshwantsho tse di sa felelang mo karolwaneng ya pampiri mme o kope barutwana go feleletsa setshwantshong se se sa felelang 	<p>Setshwantsho se se sa felelang</p> 	

Beke 7 Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) ± 30 metsotso e le ±5 ditirwana tsa dipalo tsa beke			
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse di atlenegisetsweng	Bolelele jwa nako jo bo lekanyeditsweng.
<p>3.1 Maemo, kitsiso le dipono</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Maemo a didiriswa tse pedi kgotsa go feta mo kamanong le barutwana Godimo le tlase Metshameko ya go dirisa mmele Letlelela barutwana go: <ul style="list-style-type: none"> - Supetsa "godimo" le "tlase" ka go tsamaisa mmele ko godimo le tlase go ya ka ditaelo tsa morutabana - Palama dikgato tse pedi a ntse a bala palo ya dikgato. - Palama dikgato tse pedi go ya tlase o ntse o bala - Palamela godimo le tlase mo didirisweng tsa kwa ntle - Palamela godimo le tlase ka thapo e e palamang fa sekolo se na le yona - Lebelela godimo le tlase. <p>Dirisa didiriswa tse dikgonngwang tsa popegotekatekano tlhakorepedi kgotsa setshwantsho</p> <ul style="list-style-type: none"> - Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) <ul style="list-style-type: none"> o Morutabana o neela barutwana mefuta e e farologaneng ya ditshwantsho mo kakanyong ya godimo le tlase ya bontshiwa sk motho o palama thaba kwa godimo, baluni ya m.o moweng e e yang ko tlase, mongwe a tsamaela kwa tlase ga dikgato ji. <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Tlhalosa kakanyo ya godimo le tlase go tswa mo setshwantshong. 	<p>Opele pina , "Oh the grand old duke of York"</p> <p>Dirisa dikgato kwa sekolong</p> <p>Jungle gym (seditriswa sa go palama)</p> <p>Ilere ya kgole ya go palama</p> <p>Setshwantsho se se supetsang godimo le tlase</p> 	Letsatsi 1

<p>Beke 8 Kiitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>
<p>3.4 Tekano</p>	<p>• Kgabaganyo ya mola wa fa gare o akaretsa go bala Metshameko ya go dirisa mmele Letlelela barutwana</p> <ul style="list-style-type: none"> - Go fapaanya le go tlola ka morethetho a ntse a bala - Ba eme ba lebagane le go opa diatla ba a fapaanya (letsogo la molema la morutwana yo o emeng go lebagana le morutwana yo mongwe, le fapaana le la moja) ba opela pina ya dipalo/raeme. <p>Dirisa dikgonngwa go ruta tekanotlhakoretharo (3-D) Letlelela barutwana</p> <ul style="list-style-type: none"> - Latlhela bolo go tsala o ntse o bala - Tsamaya mo thapong e e šokameng o ntse o opela pina sekao "One little elephant balancing Tlou ka tekanyo e nnye" - Ragela bolo kwa mothong yo mongwe <p>Tirwana e e fa godimo e ka nna ya golagannngwa le serutwa sa dikgono tsa botshelo</p>	<p>Barutwana Pina ya dipalo le diraeme</p>  <p>Bolo, thapo</p>
<p>2.1 Dipaterone tsa Jeometeri.</p>	<p>• Bopa dipaterone tsa gago Metshameko ya go dirisa mmele Letlelela barutwana go : bope dipaterone ba dirisa</p> <ul style="list-style-type: none"> - Mebele ya bone sekao mosetsana o mongwe ka mosese, basimane ba babedi ka marukgwe <p>Dirisa dikgonngwa go ruta didiriswa tsa tekanotlhakoretharo</p> <ul style="list-style-type: none"> - O dirisa dipopego tse di khibidu le tse di botala jwa loapi sekao dikhutlonne tse 2 tse di bududu, dikhutlotharo tse pedi tse di khibidu, dikhutlonne tse 2 tse di botala jwa loapi..... - Dirisa paterone ka nako ya ditirwana ka go dirisa pente e khibidu le dikhurumelo tsa mabotlolo a pentliweng bududu <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D) o dirisa mebala ya sekontari Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Ba dirisa monwana wa kgonope go gatisa molelwane ya mmala o dirisa pente sekao mmala o motala, wa namune, mmala o motala..... Mo godimo ga pampiri (tirwana e, e kgona go dirwa ka nako ya botsweretshi jwa pono) 	<p>Letsatsi 1</p> <p>Dipopego tse di khibidu le tse di tsa polasitiki</p>  <p>Dirisa dikhurumelo tsa botlolo le tse di khibidu</p> <p>bohibidu mmala wa loapi bohibidu mmala wa loapi bohibidu mmala wa loapi</p> <p>Pampiri ya A4 Pente yam mala o motala le mmala wa namune kgotsa mebala e mengwe e o nang le yona</p>

Beke 8 Kiitsiso	Nako e e tshithintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tlhaloso		Letsatsi 1
3.2 Dipopego tsa tekanothakoretharo 3-D	<p>Lemoga, tlhophha le go neela ka maina a didiriswa tsa tekanothakoretharo (3-D)</p> <p>Gatelela ka ga didiriswa tse di kgokologang</p> <p>Dirisa dikgonngwa go ruta ka ga tekanothakoretharo (3-D)</p> <p>Letlelela barutwana</p> <ul style="list-style-type: none"> - Tshameka ka dibotlolo tsa polasitiki, meteme/dithini, namune jalo le go batlisisa dikgonogo tsa gore di ka kgokologa <p>Morutabana o botsa gore</p> <ul style="list-style-type: none"> - Ke diboloko dife tse di mo sekhutwaneng sa boloko tse di kgokologang? - Diboloko ga di kgokologe ka gore di na le letlhakore le lengwe le le tlhamaletseng - Kgokolosa didiriswa tse di farologaneng le go bona gore ke tse feng di kgonang go kgokologa le gore ke tse feng tse di sa kgoneng go kgokologa. - Barutwana ba tshwanetse go lemoga gore didiriswa tse di kgokolwe ke tsone fela tse di ka kgokologang. 	<p>Mabotlolo a dipolasitiki</p> <p>Diboloko. Diboloko tsa Lego</p> <p>Dithini, dikopi tsa polasitiki, dirolo tsa pampiri ya ntlwaneng boithomelo, dikereese, namune, dibolo jalo jalo</p>	Letsatsi 1
3.1 Maemo, kitsiso le dipono	<p>Godisa bokao jwa dikaelo ka go itsise dikgopolo tse pedi e leng "Kwa pele/kwa morago"</p> <p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana go</p> <p>Latela dikaelo tsa morutabana (a le nosi le/kgotsa jaaka leloko la setlhophha) le go tsamaya kgotsa ba ema mo phaposing seka</p> <ul style="list-style-type: none"> - Ema "kwa pele" ga phaposi (ela tlhoko gore kwa pele mp phaposing ke kwa go nang le kgoro teng) - Ema "kwa morago" ga phaposi - Tsamaela kwa le kwa morago. - Gagabela kwa pele le kwa morago - Tlolela kwa pele le kwa morago 	Barutwana	Letsatsi 1

<p>Beke 8 Kiitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>		
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>3.1 Maemo, kitsiso le dipono</p>	<p>Morutabana o thala paterone ka tshoko mo fatshe sekao;</p>  <p>Kgotso</p> 	<p>E thadiwe mo fatshe</p>	<p>Letsatsi 1</p>
<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo</p>	<p>Letelela barutwana</p> <ul style="list-style-type: none"> - Tsamaya le/kgotsa go gagaba mo godimo ga paterone. - Baya karolwana ya pampiri e e khibidu mo sekhutlwaneng go emela roboto : fitlha mo sekhutlwaneng ba tshwanetse go retologa mebele ya bone yotlhe gore ba kgone go bona bokao jwa dikaelo 	<p>Pampiri e e khibidu.</p>	
	<p>Letelela barutwana</p> <ul style="list-style-type: none"> - Dira tsela ka diboloko tsa go aga. - Kgoromeletsa koloi ya go tshameka kwa pele le kwa morago mo tseleng ya diboloko tsa go aga - Kgorometsa koloi ya go tshameka ka go fapogela mo lethakoreng le lengwe la tsela ya diboloko 	<p>Diboloko tsa go aga</p>	



Beke 8 Kiitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng								
Setlhogo				Letsatsi 1								
5.1 Kgobokanya le go tlhaola didiriswa	<p>• Itsise dokgoolo tsa tiriso ya tshedimosetso (ba dirisa mebele ya bona) go kgobokanya didiriswa mo phaposing kgotsa tikologong go ya ka dipopego tse di neetsweng sekao:</p> <p>Metshameko ya go dirisa mmele Kgaoganya barutwana ka ditlhophha</p> <ul style="list-style-type: none"> - Mo setlhopheng sengwe le sengwe, letlelela basimane go ema mo moleng le basetsana go ema mo moleng o o latelang go bapa le basimane. - Letlelela barutwana go bala dipalo ya basimane le dipalo ya basetsana mo setlhopheng sengwe le sengwe - Ka se, o ka feleletsa kerafo ya mmele ya basimane kgotsa basetsana mo setlhopheng 	Barutwana ba eme mo meleng e mebedi										
5.2. Emela ,tlhaola le phutha ya didiriswa,	<p>Dirisa dikgonngwa go ruta dipopego tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Barutwana ba ka dirisa tshedimosetso e e fa godimo go aga kerafo ya didiriswa tsa tekanothakoretharo(3-D), ba dirise diboloko/dpopego, sekao di emela morutwana mongwe le mongwe 	<table border="1"> <thead> <tr> <th>Basetsana</th> <th>Basimane</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>	Basetsana	Basimane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	3		
Basetsana	Basimane											
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2	3											
5.3 Tshedimosetso e neetsweng	<p>Tiriso ya dipopego kgotsa ditswantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Barutwana ba dira kerafo ka go dirisa tege go dira bolo e e nnye e emelang bokao jwa bone jwa tiro e e fetileng - Naya barutwana pampiri e e nang le setshwantsho sa mosetsana le mosimane mo godimo ga pampiri ya morutwana yo mongwe - Letlelela barutwana go kgokolosa dibolo tse di emelang dipalo ya basetsana le basimane mo setlhopheng sa bone - Barutwana ba baya dipalo ya dibolo ka fa tlase ga setshwantsho se se neilweng. 	Tege Pampiri ya A4										

Beke 9 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>3.2 Didiriswa tsa tekatekanyo-tlhakore 3-D</p>	<p>Dintlha tsa tlhaloso</p> <ul style="list-style-type: none"> • Batlisisa ka ga didiriswa tse di relelang le tse di kgokologang Morutabana o tshwara bolo le go e itaya mo fatshe. O e tlogela e kgokologa mo fatshe. Morutabana o tsaya lebokoso le go dira se se tshwanang. Morutabana ba botsa dipotso: <ul style="list-style-type: none"> - Ke sediriswa sefe se se kgokologang? - Ke eng lebokoso le sa kgokologe? - Ke sediriswa se se ka relelang? <p>Morutabana o supetsa barutwana gore lebokoso le na le matlhakore a le mane (dikhutlwana)ka ga moo ga e kgokologe, mme fela bolo ga e na dikhutlwana le go kgokologa</p> <ul style="list-style-type: none"> - Rotloetsa barutwana go batla diririswa mo phaposing tse di kgokologang le go relela - Botsa barutwana gore a ba bona didiriswa tse di kgokologang le tse di relelang. 	<div style="text-align: center;">  <p>Bolo Kgwele/bolo</p> </div> <div style="text-align: center;">  <p>Lebokose</p> </div>	<p>Letsatsi 1</p>

Beke 9 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
3.3 Dipopego tsa tekanotlhakorepedi (2-D)	<p>Lemoga le go tlaola le go neela maina a dipopego tsa tekanotlhakorepedi (2-D) mo phaposing le mo ditshwantshong</p> <ul style="list-style-type: none"> - Sediko <p>Gatelela thuto ka ga sediko</p> <p>Metshameko ya go dirisa mmele Letelela barutwana</p> <ul style="list-style-type: none"> - Dira sediko o dirisa menwana - Dirisa sediko a dirisa diatla a mabedi - Dula mo fatshe, o bopa sediko o tshwaragane diatla - Tsamaya mo sedikong se segolo, e e driiweng ka thapo, mo fatshe. - Tshameka motshameko o barutwana ba dulang mo sedikong ba opela pina. <ul style="list-style-type: none"> o Morutwana a le mongwe o ema ka fa ntle ga sediko le go dikologa sediko a taboga a tshwere bolo ka diatla. o Morutwana o tlohpha go baya bolo mo morago ga morutwana mongwe le mongwe yo o dutseng mo sedikong. o Morutwana yo tihophilweng o tshwanetse go tsholetsa bolo le go leka go lathelela morutwana yo mongwe ka bolo a nitse a taboga a potologa sediko go ya go dula mo lefelong le le se nang ope. o Fa bolo e ama morutwana yo o siang, morutwana yo o tshwanetse go ya go dula fa gare ga sediko, motshameko o a tswelela. <p>Dirisa dikgonngwa go ruta didiriswa tsa tekanotlhakoretharo</p> <p>Letelela barutwana</p> <ul style="list-style-type: none"> - Batla didiriswa tse di kgolokwe mo phaposing - Batla dipopego tse di emelang sediko. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o naya didiriswa maina le barutwana ba tshwanetse go supa gore ke didiriswa dife tse di kgolokwe sekao namune, apole, tafole, mabole, buka, bokoso jalo 	<p>Barutwana Thapo</p> <p>kgwele ya maoto ,bolo ya tenesei,bolo ya golofo,apole,namune,hula hupu jalo jalo</p> <p>Namune, apole, tafole, bolo, mabole, buka, lebokoso</p>	<p>Letsatsi 1</p>

Beke 9 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng
<p>3.1 Maemo, kitsiso le dipono</p>	<p>Maemo a sediriswa se le sosi/pedi le kamamo go e nngwe Dikgopolo di tshwana le go bapa le/fa gare-go akareditswe mmala Metshameko ya go dirisa mmele</p> <p>Murutabana o bitsLetlelela barutwana go : le bararo</p> <p>O bontsha dikgopolo go bapa le le fa gare ka go rulaganya barutwana ka thulaganyo e e farologaneng, a re:</p> <ul style="list-style-type: none"> - Ntobi o eme go bapa le Tlotlo - Tumelo o eme fa gare ga Xolile le Ntobi <p>Tirwana o ka boelediwa le barutwana ba bangwe</p> <p>Murutabana o neela barutwana diboloko tsa go aga tsa mebala e e farologaneng le go ba naya ditaelo jaaka:</p> <ul style="list-style-type: none"> - Baya boloko e e khibidu go bapa le boloko e serolwana - Baya boloko e e botala jwa loapi fa gare ga boloko e khibidu le boloko e e serolwana <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekantlhakoretharo</p> <p>O dirisa dikgetsana tsa dinawa tsa mebala e e farologaneng(khibidu, botala jwa loapi,serolwana, mmala o o motala), naya barutwana taelo ya go:</p> <ul style="list-style-type: none"> - Baya kgetsana ya dinawa e e botala jwa loapi go bapa le kgetsana ya dinawa e serolwana. - Baya kgetsana ya dinawa e khibidu fa gare ga e botala jwa loapi le e serolwana <p>Tirwana e, e golaganngwa le serutwa sa dikgono tsa botshelo</p>	<p>Diboloko tsa mmala</p> <p>Dikgetsana tsa dinawa tsa mmala</p>
		<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p>

Beke 9 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tlhaloso		
<p>3.2 Didiriswa tsa tekanotlhakoretharo (3-D)</p>	<p>Dintlha tsa tlhaloso</p> <ul style="list-style-type: none"> O rulaganya didiriswa tse di fetang di le pedi go tswa mo go tse di kgobokantsweng go tswa go nnye thata go ya go e tonna thata <p>Tasmaiso ya mmele:</p> <ul style="list-style-type: none"> Neela barutwana seloko ya go tshameka le go dira dibolo ka seloko Mo ditlhopheng ba tshwanetse go rulaganya dibolo tsa seloko go tswa ka tse dinnye thata go ya go tse ditonna thata le tonna thata go ya go nnye thata <p>Dirisa dikgongwa go ruta didiriswa tsa tekanotlhakoretharo (3-D)</p> <p>Leloko la setlhopha sengwe le sengwe o tshwanetse go batla sediriswa mo phaposing</p> <ul style="list-style-type: none"> Letelela barutwana gore ba rulaganye didiriswa tse di tlaolwang go tloga go nnye thata go ya go tonna thata mo ditlhopheng tsa bone <p>Morutabana o neela setlhopha sengwe le sengwe buka ya dipalo tsa mogala</p> <p>Letelela barutwana</p> <ul style="list-style-type: none"> Gagola pampiri go tswa mo bukeng ya dipalo tsa mogala le go phutha pampiri go dira bolo mo ditlhopheng tsa bone Barutwana ba tshwanetse go bapisa gore ke bolo efe e leng tonna le e nnye thata <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgongwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> Naya barutwana pampiri ya ditshwantsho tse di tonna le tse dinnye Barutwana ba ka nna ba tshasa mmala wa dilo tse ditonna le tse dilo tse dinnye 	<p>Seloko ya go tshameka</p> <p>Sediriswa se sengwe le se sengwe mo phaposing</p> <p>Buka ya dipalo tsa mogala ya kgale</p> <p>Pampiri ya A4 ka ditshwantsho</p>	<p>Letsatsi 1</p>



Beke 9 Kitsiso		Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
4.2 Boleele	<p>Itsise kgopolo ka ga boleele jwa seemo (moleele le mokhutshwane, moleele thata le mokhutshwane thata, telele le khutshwane)</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutaban o bitsa barutwana go ba le bane le go botsa barutwana mo phaposing go thusa go di rulaganya go tloga go telele go ya go khutshwane. - Letlelela barutwana go ithulaganya ka bone mo ditlhopeng go tloga ka boleele go ya go mokhutshwane - Morutwana a le mongwe o ema ka mokotla wa gagwe go bapa le lobota fa maloko a mangwe a ditlhopha ba nise ba lekanya boleele ba dirisa diatia 		Letsatsi 1
	<p>Dirisa dikgonngwa go ruta didiriswa tsa tekanotlhakoretharo (3-D)</p> <p>.Morutabana o baya didiriswa tse di farologaneng mo tafoleng ya setlhopha sengwe le sengwe jaaka rula, pensile, dikerayone, diraba jalo jalo</p> <ul style="list-style-type: none"> - Tlhaola tsothe tse di telele le tsothe tse di khutsane - Barutwana ba tshwanetse go rulaganya go tswa go telele go ya go khutsane <p>Tšhata ya bogodimo</p> <ul style="list-style-type: none"> - Morutabana o na le tšhata ya bogodimo e baakantsweng sentle mo leboteng go thala tshwanalanyo ya bogodimo jwa morutwana yo mongwe le yo mongwe - Dirisa dikarata tsa matshwao tsa barutwana go supetsa bogodimo jwa morutwana yo mongwe le yo mongwe mo tšhateng ya bogodimo . 	<p>Dirula, kerayone, dpensele, diphimodi jalo jalo</p>  <p>Lindo o na le diatia a le marataro</p> <p>Wandile o na le diatia a le 5</p>	

BEKE 10		Tiriso ya beke ya 10 go fitlhelela makoa a tlhthaloganyo le kgotsa o tthaola dikgoreletsi mo thutong.	
Diteng tsa serutwa	Setlhogo	Dithusathuto tse di atenegesitsweng	
Dipalo diopereishene le kamano	1.1 Go bala didiriswa	Fopholetsa go bala o boeletsa go fitlha go 5 (Dipina tsa dipalo le go akaretsa diraeme go godisa kakanyo ya go bala)	
		Lemoga dipalo mo tirisong e e tlwaelegileng sk dingwaga, kwadisa	
		Tlhaloganya diplokemotatelano (s.k ka nako ya go ya ntlwanaboithusitso)	
		Tlhaloganya kgolagano ya bongwe ka bongwe (tshate ya go ka nako ya go ja)	
		Supa diitshwantsho tsa dipalo le dikarata tsekedimo tsa lerontho tse di akaretsang dipalo ya ntha	
		Itse letshwaopalo 1	
		Lemoga leinapalo nngwe	
	1.6	Dirisa didiriswa tse di kgonngwang	
	Maano a go rarabolola dipalo	Tlhalosa kakanyo ya gagwe ka mafoko le ka tsela ya go Bapisa kgotsa didiriswa tse di kgonngwang	
Dipaterone tse di mo tirisong	2.1	Supa dipaterone mo tikologong	
	Dipaterone tsa Jeometeri	Kopolola, atolosa le go thama dipaterone tsa gagwe	


BEKE 10		Tiriso ya beke ya 10 go fitlhelela makoa a tlhthaloganyo le kgotsa o tthaola dikgoreletsi mo thutong.			
Diteng tsa serutwa	Setlhogo	Dithusathuto tse di atlenegesitsweng			
Boalo le Popego (Jeometeri)	<p>3.1</p> <p>Maemo, kitsiso le dipono</p>	Itse kwa pele ga /morago ga			
		Itse mo godimo ga, tlase			
		Itse mo teng le kwa ntle			
		Itse godimo le kwa tlase			
		Tlhaloganyana dikakanyo: pele, morago, pele le morago			
		Lemoga le go neela maina dikgolokwe			
		Lemoga le go neela maina a mabokose			
		Go aga dikarolo tse 6 tsa malepa			
		Bontsha bokgoni jwa go farologanya gare ga didiriswa			
		Ka lemoragopele, lemorago			
<p>3.2</p> <p>Dipopego tlhakorepedi (2-D)</p>	Supa le go lemoga khutlonne				
	Tlhopha le go lemoga sediko				
	Tlhopha le go lemoga khutlotharo				
	Tlhopha le go lemoga Khutlonne				
	Go lemoga gore mkgobokanyong ya didiriswa tse ke efe e kgolo, nnye, kgolo thata, nnye thata				
	Didiriswa ka bogolo, tonna, nnye				
	Mmala o tlwaelegileng, bohobidu, serolwana botala jwa loapi				
	Dipopego: sediko, khutlotharo, khutlonne				
	Didiriswa tse kgologang				
	Didiriswa tse di relelang				
Tekanyo	<p>3.4</p> <p>Tekano</p>	Lemoga mola wa tekano			
		Dirisa mafoko a tshwana le motshegare, bosigo, lesedio le lefifi, phakeala, thapama, maitseboa go tthalosa letsatsi			
		Tlhomaganya ditiragalo tse di tswelelang mo botshelong jwa gagwe tsa letsatsi le letsatsi (Lenaneo la letsatsi le letsatsi)			
		Supetsa temogo ya malatsi a beke, ditlha le maemo a bosa			
		Itse letsatsi la gagwe la matsalo			
		Farologanya magareng ga botelele, botelelenyana, botelele thata, khutshwane, khutshwanenyane, bokhutshwane thata (Tshate ya boleele)			
		Kgona go kgobokanya, tthaola, thala, buisa le go emela didiriswa go ya ka sethaodi se le sengwe			
		Tshedimosetso ya dipalo	<p>4.2</p> <p>Boleele</p> <p>5.1, 5.2, 5.3</p> <p>Kgobokanya, tthaola, thala, buisa le go emela tshedimosetso</p>		

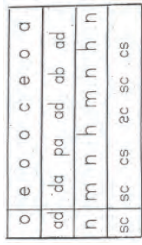
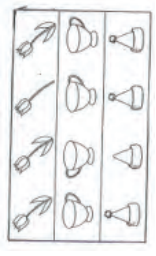
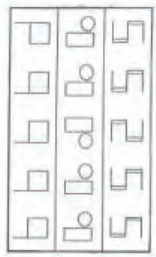
KGWEDI-THARO 2 MOPHATO R			
Beke 11 KITSISO	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1 Bala didiriswa	<p>Itsise bokao jwa palo 2</p> <p>Go Motlotlo: bala didiriswa letsatsi le letsatsi go fitlha ka 2</p> <p>Bala go ya kwa pele le go ya morago go fitlha ka 2.</p> <p>Balela kwa godimo o ipoeletsa go tloga ka 1-7</p> <p>Gatelela kgopolo ka ga “bontsi” le “bonnye”.</p> <p>Opa diatla gantsi.....EMA.</p> <p>Opa diatla gantsinyana. Morutabana o opa diatla go fitlha ka 12</p>	Opela pina ya go bala o dirisa ditshwantsho tse pedi tsa dinonyane-“ Two little Dickey birds”	Letsatsi 1
	<p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana</p> <ul style="list-style-type: none"> - Bitsa barutwanaba le ba 2 kwa pele. Ba bale. - Bala ditulo tse 2, ditafole jalo jalo. - Supa dikarolo tsa mmele tsa bobedi (pairs) jaaka matho,ditsebe,diatla,maoto,mangole ,magetla jalo jalo - Dira diletswa tswa mmele sekao opa diatla gabedi, koka tlhogo gabedi, itaya leoto gabedi mo fatshe,tlola gabedi jalo jalo. - Tsholetsa menwana e 2,diatla a 2,maoto a 2. 	Mebele ya barutwana	

Beke 11 KITSISO	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.1 Bala didiriswa</p>	<p>Dirisa dikgonngwa go ruta didiriswa tsa tekanothakoreharo (3-D) Letlelela barutwana</p> <ul style="list-style-type: none"> - Supa didiriswa tse pedi tse di tshwanang mo phaposing sekao ditlhako tse pedi, dikerayone tse pedi jalo jalo - Godisa temoso ka ga tshomarelo ya dipalo, o letlelele barutwana go paka dibadisi di le pedi kgotsa didiriswa tse dingwe tseo ka di dirisang ka ditsela tse di farologaneng sekao <div style="text-align: center;"> <p>kgotsa kgotsa</p> </div> <ul style="list-style-type: none"> - Fa go balwa palo ya dibadisi/didiriswa ga go gcoreletswe ke bogolo kgotsa kemo kgotsa le fa di tshwana sekao : - Rulaganya ditlama di le 2, diphensele di le 2, dihula hupu di le 2, barutwana ba le 2 jalo jalo. - Di bale ka thulaganyo e e farologaneng sekao: di bale di adilwe, di bapile, mo moleng kgotsa di thathagantswe 	<p>Dibadisi/didiriswa tse 2 di newe morutwana yo mongwe le yo mongwe</p>	<p>Letsatsi 1</p>		

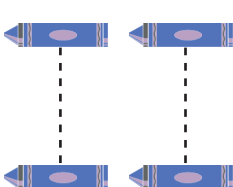
Beke 11 KITSISO	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
<p>Setlhogo</p> <p>1.3</p> <p>Itse letshwaopalo le go lemoga leinapalo le go lemoga leinapalo</p>	<p>Dintlha tsa tihaloso</p> <p>• Itse letshwaopalo le go lemoga leinapalo le le akaretsang 2</p> <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <p>Letlelela barutwana go</p> <ul style="list-style-type: none"> - Bapisa dikarata tsekedimo tsa ditshwantsho ka ditshwantsho mo go tsone ka dikarata tsekedimo tse pedi ka marontho a mabedi mo go tsone. - Supetsa dikarata tsekedimo tse di kaediwang barutwana, tse di nang le ditshwantsho, tsa dipalo tse di tihopilweng sekao diithako tse pedi, dikerayone tse pedi jalo . - Letlelela barutwana go lebelela dipalo ya didiriswa e e tshwanang mo phaposing. - Supa dikarata tsekedimo tse di bontshiwang barutwana, ka dipalo tse di farologaneng tsa ditshwantsho mo go tsone. - Supa dikarata tsekedimo tse di bontshiwang barutwana ka letshwaopalo 2. - Lemoga dikarata tsekedimo tse di bontshiwang barutwana ka leinapalo. - Golaganya letshwaopalo 2 ka dipalo ya didiriswa le dipalo ya marontho. - Golaganya leinapalo kaletshwaopalo, dipalo ya ditshwantsho le no ore ya marontho. - Akaretsa palo 1 e e mo karateng e e bontshiwang le go letlelela barutwana go supa palo 1 le 2 - Dira malepa/diphasele tsa dipalo le go letlelela barutwana go di bapisa sekao. 	<p>Dikarata tsekedimo tsa dipalo tse di supetsang didiriswa tse pedi.</p> <p>Didiriswa mo pahaposing le mo tikologong.</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Setshwantsho sa didiriswa tse pedi</p>  </div>	
		<p>Dikarata tsekedimo tse di bontshiwang ka ditshwantsho tse pedi, marontho, letshwaopalo le leinapalo</p>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Setshwantsho sa didiriswa tse pedi</p>  </div> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 0 5px;"> <p>2</p> </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>pedi</p> </div>


Beke 11 KITSISO	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>3.2 Didiriswa tsa tekanothakoretharo (3-D) le</p> <p>3.3 Dipopego tsa tekanothakorapedi (2-D)</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Tihalosa, tlhaola le go bapisa didiriswa tsa dipopego tsa tekanothakoretharo (3-D) le dipopego tsa tekanothakorapedi (2-D) go ya ka go tshwana, le go farologana: <ul style="list-style-type: none"> -Tse di tshwanang le tse di farologaneng Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Tlhopho basetsana ba babedi o dirisa raeme ya go bala. - Barutwana ba bangwe ba supa gore basetsana ba ba biditsweng ba tshwana jang? - Tlhopa mosimane le mosetsana o dirisa raeme ya go bala. - Barutwana ba bangwe ba supa gore mmele wa mosimane o farogana jang le wa mosimane. - Ka bobedi, morutwana a le mongwe o a ema ka mokgwa o riling, yo mongwe o Bapisa ka mokgwa o a emeng ka teng - Morutwana o mongwe o ema ka diatla mo godimo ga tlhogo, o ema ka leoto le le lengwe. Yo mongwe o bapisa maemo. - Tlhaola barutwana go ya bong, ba ba rweleng ditlhako, ba ba rweleng diramphetshane, le ba ba sa rwalang ditlhako. - Biletsa barutwana ba latelang kwa pele. <ul style="list-style-type: none"> o Basetsana le basimane ba ba apereng marukgwe, mosetsana yo o apereng mosese o Bana botlhe ba ba rweleng ditlhako, le ba bas a rwalang ditlhako. - Botsa dipotso tse di tshwanang le “ke morutwana ofe yo o sa tshwaneng? Ke morutwana ofe yo o farologaneng?” 		<p>Letsatsi 1</p>



Beke 11 KITSISO	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng
<p>3.2 Didiriswa tsa tekanothakoretharo (3-D) le</p>	<p>• Tihalosa, tlhopho le go bapisa didiriswa tsa tekanothakoretharo (3-D) le tekanothakorepedi (2-D) go ya ka go tshwana le go farologana. Dirisa didiriswa go ruta tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Barutwana babedi ba itaya bolo mo fatshe: bolo e tonna le bolo e nnye - Barutwana ba bangwe ba supa gore dibolo di farologana ka tsela efe le gore di tshwana jang.. - Morutwana o mongwe o kgokolosa namune, yo mongwe o kgokolosa bolo. - Barutwana ba bangwe ba supa pharologanyo magareng ga bolo le namune le gore di tshwana jang. - Barutwana ba lebelela dithako tsa basimane le diramphetshane tsa basetsana - Barutwana ba bangwe ba supa gore dithako di farologana jang le gore di tshwana jang. - Barutwana ba bala didiriswa tse di tshwanang mo phaposing 	<p>Dira karata tsekedimo ya gagwe ya papiso ya motshameko jaaka sekao se se fa tlase</p> 
<p>3.3 Dipopego tsa tekanothakorepedi (2-D)</p>	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Neela dikarata tsekedimo papiso go tsweletsa ditshwano le dipharologanyo sekao. 	<p>Karata tsekedimo ya papiso ya motshameko</p>



Beke 11 KITSISO	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)
Setlhogo	Dintlha tsa tihaloso
<p>1.4 Tihalosa, go bapisa le go rulaganya dipalo</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p> <p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Bapisa gore ke didiriswa dife tse pedi mo go tse di kgobokantsweng di “lekanang go” kgotsa tse di “tshwanang” <p>Metshameko ya go dirisa mmele Letlelela bautwana</p> <ul style="list-style-type: none"> - Godisa kgopolo ka ga tshwanang le farologaneng. - Bapisa menwana ya diatla le menwana ya maoto. Le fa e tshwana ka palo, e bonagala e sa tshwane. - Bapisa menwana ya diatla, ya maoto le matho. Di tlhagelela di sa tshwane. Re na le palo e e tshwanang ya menwana ya diatla le ya maoto, e 10 mme fela re na le matho a le mabedi.. - Bapisa ditsebe, diatla, maoto le dikgato. Di bonagala di sa tshwane, mme fela di tshwana ka palo. - Morutabana o thala didiko tse pedi mo fatshe kgotsa o bopa didiko ka thapo mo fatshe. O laela barutwana go ikgaoganya ka dtlhopa tse di lekanang mo sedikong sengwe le sengwe. Bala palo ya barutwana mo sedikong se le sengwe. O tthagisa fa palo ya barutwana e tshwana kgotsa e lekana.

Beke 11 KITSISO	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
<p>3.3 Dipopego tsa Tekanotlhakorepedi 2-D</p>	<p>Drisa dikgonngwa go ruta ka ga didiriswa tsa tekanotlhakoretharo</p> <ul style="list-style-type: none"> - Godisa kgopolo ka ga tshwanang le farologane. - Baya sete ya matshwao a barutwana mo gare ga mmetshhe. - Naya morutwana mongwe le mongwe karata tsekedimo ka letshwao. Barutwana ba bapisa matshwao a bone le a mo mmetsheng. - Baya sethopho sa didiriswa mo tafoleng le go di kgaoganya ka dithopho tse di lekanang (e nngwe ke ya gago, e nngwe ke ya me). <p>Dikai:</p> <ol style="list-style-type: none"> 1. Baya didiriswa tse pedi tsa mefuta e e tshwanang sekao dikerayone, mo moleng mo tafoleng. Kopa morutwana a le mongwe go bapisa nngwe ya dikerayone tsa gagwe le tsa morutabana.(morutwana o tlhoka go tsaya dikerayone tse pedi, a di bapise le palo ya dikerayone tsa morutabana. Jaanong re na le palo ya dikerayone tse di lekanang. 2. Boeletsisa thutiso e e tshwanange, jaaka e fa godimo o dirisa didiriswa tse 4 le 6, gore barutwana ba kgone go thaloganya kgopolo ya "tshwana le lekana" 3. Morutabana o baya diboloko tse 2 mo moleng mo tafoloeng.O naya morutwana mongwe le mongwe boloko. Kopa barutwana go bapisa boloko ya mongwe le mongwe.(Barutwana ba tlhoka go tsaya boloko e nngwe go e bapisa le diboloko tse pedi tsa morutabana) <p>"Jaanong yo mongwe le yo mongwe wa rona o na le diboloko tse 2. Re na le palo ya diboloko e lekanang".</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px dashed black; width: 20px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 5px;"></div> </div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto; text-align: center;"> <p>Dibolelo tsa morutabana</p> </div>		<p>Diboloko</p>
<p>112</p>	<p>PEGELO YA PHOLISI YA KHARIKHULAMO LE TLHATLHOB</p>		

Beke 11 KITSISO	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)
Setlhogo	Dintlha tsa tihaloso
<p>1.4 Tihalosa, go bapisa le go rulaganya dipalo</p>	<p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p> <p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Rulaganya le go Bapisa didiriswa tse di kgobokantsweng o dirisa “ntsi go” Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha ka 2. Gatelela kgopolo ka ga “ntsi” le “nnye” Opa diatla gantsi.....EMA Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 2.</p> <p>Metshameko ya go dirisa mmele Morutwana o Motlotlo gore ke tsefe tsa didiriswa tse di kgobokantsweng tse di .:”dintsi go feta ga” Letlelela morutwana go</p> <ul style="list-style-type: none"> - Bala matho a bone le menwana ya bone. O botsa potso “Ke sefe tse dintsi go feta go” - Bontsha menwana e mebedi mo seatleng se sengwe le monwana o le mongwe mo seatleng se sengwe. “Ke seatla sefe se se nang le menwana e mentsi e bontshitsweng?” - Tlhopho Letlelela barutwana go : le 3 o dirisa raeme ya go balela kwa godimo. Ba kgobokanye mo ditlhopheng tsa bo 2 le 1. <p style="text-align: center;">  </p> <ul style="list-style-type: none"> - Bala gore ke barutwana ba kae mo setlhopheng sengwe le sengwe. Bapisa ditlhopho o botse dipotso jaaka “Ke setlhopho sefe se se nang le barutwana ba le bantsi?”


Beke 11 KITSISO	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng
<p>1.4 Tihalosa, go bapisa le go rulaganya dipalo</p>	<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanotlhakoretharo</p> <ul style="list-style-type: none"> - Baya dipara tse pedi tsa dikere, Dibadisi te 3 le dikerayone tse 4 mo tafoleng. Bala didiriswa mo sethopheng sengwe le sengwe  <ul style="list-style-type: none"> - Botsa potso e tshwana jaaka "ka sethophha sefe se se nang le didiriswa tse dintsi?" Ke sethophha sefe se se nang le didiriswa tse dintsi thata. Ke sethophha sefe se se nang le didiriswa tse di fetang tsa dikere?" - Baya didiriswa tse di farologanene (dikgoropa, maje dikhurumelo jalo jalo) mo tafoleng. Di tlaole ka ditlhophha (dikhurumelo tsothe mmogo) bala dipalo ya didiriswa mo sethopheng sengwe le sengwe le go tlotla gore ke sethophha sefe se didiriswa di leng dintsi, dinnye. Simolola ka didiriswa tsa dipalo tse dinnye. - Tsenyeletso: Barutwana ba newe ditshelo ka nako ya go tshameka ka metsi le nako ya go tshameka ka mmu, ba neye barutwana ditshono tsa go itemogela ka dikgopolo tse di tshwanang jaaka ntsi go,nnye go le go lekana le. <p>Dirisa dikgonngwa tse di halolo go ruta ka ga dipopego tsa tekanotlhakorepedi (2-D) kgotsa ditshwantsho</p> <ul style="list-style-type: none"> - Letlelela barutwana go bapisa ditshwantsho le dikarata tsekedimo tsa marontho. Supa dikarata tsekedimo tse di fetang nomoro ya didiriswa e morutabana a e neileng barutwana.sekao. - Morutabana a re: Batla karata tsekedimo e e nang le ditshwantsho tse di fetang tse 2? - Bapisa dikarata tsekedimo le dipalo e e tshwanang ya ya didiriswa kgotsa dibadisi. (paka dibadisi mo godimo ga karata tsekedimo e e nang le dipalo ya ditshwantsho) 	<p>Didiriswa tse dingwe le tse dingwe mo phaposing</p> <p>Ditshwantsho le dikarata tsekedimo tsa marontho</p> <p>Dibadisi</p>

Beke 12 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintliha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo 1.1 Bala dipalo	<p>• Lemoga le go supa letshwaopalo le leinapalo e e akaretsang palo 2</p> <p>Motlotlo:Bala didiriswa go fitlha go 2 letsatsi le letsatsi. Balela go ya kwa pele le go ya kwa morago go fitlha ka 2. Balela kwa godimo o ipoeletsa 1-7</p> <p>Gatelela dikgopolo ka ga “bontsi ” le “bonnye”. Opa diatla gantsi.....EMA Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 2.</p> <p>Metshameko ya go dirisa mmele Letlelela barutwana</p> <ul style="list-style-type: none"> - Lathela bolo mo fatshe ganwe, ka mantse a mangwe ga 1 - Lathela bolo gabedi mo fatshe, ka mantse a mangwe ga 2. - Thala pedi mo fatshe le go letlelela barutwana go tsamaya ka ba bopapedi. - Thala letshwao pedi mo mmung, mo moyeng, mo mmetsheng jalo jalo. - Bopa palo 2 ka seloko ya go tshameka. - Batla diitsala tse 2 ba ba nweleng ditlhako. <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanotlhakoretharo (3-D) Letlelela barutwana</p> <ul style="list-style-type: none"> - Sela padisi e le nngwe. - Sela dibadisi tse pedi 	<p>Dipina tsa dipalo le diraeme</p>	<p>Letsatsi 1</p>	

Beke 12 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1 Bala dipalo	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikgonngwa tsa tekanothakorepedi (2-D) Letlelela barutwana</p> <ul style="list-style-type: none"> - Supa karata tsekedimo ya setshwantsho le go di golaganya le palo e e tshwanang ya didiriswa. - Supa karata tsekedimo e bontshiwang e tshwailwe ka marontho a le mabedi, o e golaganye le palo e e tshwanang ya didiriswa. - Supa letshwaopalo le leinapalo mo dikarateng tse di bontshiwang le go di golaganya le palo e e tshwanang ya Dibadisi. - Supa letshwaopalo 2 mo setshwantshong se se neilweng ke morutabana. - O bona kae letshwao 2 mo phaposing. - Kgaoganya barutwana mo phaposing. Naya tshono ya go tshameka ditomino tsa dipalo mo ditlhopheng. 	<p>Karata tsekedimo e e supetsang ditshwantsho, marontho, letshwaopalo le leinapalo pedi</p> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 5px;"> <p>Setshwantsho sa didirswa tse pedi</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">● ●</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">2</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">pedi</div> </div> </div> <p>Dibadisi</p> <p>Diitshwantsho mo letshwaopalo le tlhagelelang teng</p>	

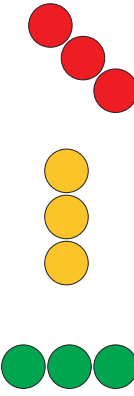

Beke 12 Kitsiso	Nako e e tshithintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.7 Tlhakanyo le Tloso	<p>• Rarabolola dipalo tsa mafoko ka go Motlotlo le go tlhalosa ditharabololo tsa dipalo tsa mafoko(kgangkhutse ya dipalo) tse di akaretsang palo 2</p> <p>Metshameko ya go dirisa mmele</p> <p>Dikai:</p> <ol style="list-style-type: none"> Murutabana o biletisa morutwana a le 1 kwa pele. Barutwana ba ba bala. Morutabana o bitsa yo mongwe a le 1, o botsa barutwana gore ba bakae bothe?"1 le 1 → 2 (Morutabana a re 1 le 1 e dira 2) Murutabana o tloso setilo se le 1. O tloso gape 1. Go na le ditulo di le kae? 1 le 1 → 2. Murutabana o supetsa menwana e 2. O Motlotlo a re balang menwana ya me. Fa ke filtha monwana o le mongwe, o bona menwana e le kae? Tloso 1 mo go 2 → 1 Murutabana o supetsa menwana e 2. Le gore:bala menwana ya me. Fa ke sa ntshe menwana, o bona menwana e le kae? 2 tloso 0 → 2 Go na le ngwana a le mongwe kwa gae. O mongwe o tla go tshameka. Go na le bana ba le ba kae jaanong? Go na le bana ba le babedi mo tafoleng. Ngwana mongwe le mongwe o batla setilo sa gagwe. Re tihoka ditulo di le kae? <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanotlhakoretharo (3-D)</p> <p>Dikai: (Dirisa Dibadisi)</p> <ol style="list-style-type: none"> Fa o na le kuku e le nngwe, mama o go nya kuku e nngwe. O tia nna le dikuku tse kae? Murutabana o na le dibadisi di le pedi mo seatleng se le sengwe, mo seatleng se sengwe ga gona Dibadisi. O na le Dibadisi di le kae tsothe? Tlotlo o na le dibolo tse pedi, bolo e le nngwe e wela fa fatshe. Tlotlo o setse ka dibolo tse kae? Fa o na le diboloko tsa 2, o naya tsala ya gago boloko e le nngwe, o na le diboloko di le kae? 	Dipina tsa dipalo le diraeme	Boleele jwa nako jo bo lekanyeditsweng		

Beke 12 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.4 Tlhalosa, go bapisa le go rulaganya dipalo</p>	<p>Rulaganya le go Bapisa didiriswa tse di kgobokantsweng o dirisa "nnye go" Motlotlo: Bala didiriswa go fitlha ka 2 letsatsi le letsatsi. Gatelela digopolo ka ga "bontsi" le "bonnye" Opa diatla gantsi.....:EMA Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 2.</p> <p>Metshameko ya go dirisa mmele (Tsenyeletsa tiragatso ya botsweretshi ya serutwa sa dikgono tsa botshelo-motantsho)</p> <ul style="list-style-type: none"> - Opela pina "thogo le magetla, mangole le menwana" o opela lefoko lengwe le lengwe mo tikolong ya ntlha. - Mo tikologong e e lateilang o opela o tlogela ;lefoko le lengwe sekao "Thogo le magetla, mangole le, mangole le....." - Opela o tlogela lefoko le lengwe gape sekao "Thogo le magetla..... le.....,..... le - Morutabana o kaela barutwana gore nako nngwe le nngwe fa o opela o tlogela lefoko le lengwe go fitlha o sa tlhole o opela mafoko. <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo Morutabana o dira dibaga tsa dithapo tse nne. Tsenya dibaga tse 3 mo thapong e le nngwe, dibaga tse 2 mo thapong ya bobedi, sebaga se le sengwe mo thapong ya 3, dibaga tse 3 mo thapong ya bone Letelela barutwana go supa:</p> <ul style="list-style-type: none"> - Ke thapo efe e e nang le dibaga tse dinnye? - Ke thapo efe e e nang le sebaga se se fetang dibaga di le 2? - Ke thapo efe ya dibaga e e nang le sebaga se le sengwe se sennye go feta dithapo tse dingwe? 	<p>Dipina ka ga dipalo le diraeme</p> <p>Pina : "thogo magetla, mangole le menwana"</p> <p>Dithapo tse nne ka palo ya dibaga tse di farologaneng.</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>

Beke 12 Kitsiso			
Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.4 Tlhalosa, go bapisa le go rulaganya dipalo</p>	<p>Tiriso ya dipopego kgotisa diitshwantsho tsa dikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Letlelela barutwana go bapisa setshwantsho le karata tsekedimo ya lerontho. Supa dikarata tsekedimo tse dintsi go feta le tse dinnye go palo e e neilweng ke morutabana sekao ke karata tsekedimo efe e leng ntsi go feta 2? - Ke karata tsekedimo efe e e nnye go 4? 	<p>Bapisa setshwantsho sa gago le karata tsekedimo ya setse ya marontho.</p>	<p>Letsatsi 1</p>
	<ul style="list-style-type: none"> • Gatelela tshwantshiso ya didiriswa tse pedi tse di neetsweng tse di kgobokantsweng o dirise: <ul style="list-style-type: none"> - Ntsi go, - Nnye go <p>Motlotlo: Bala didiriswa go fitlha ka 2 letsatsi le letsatsi</p> <p>Balela kwa godimo o ipoeletsa 1-7</p> <p>Gatelela dikgopolo ka ga “ntsi” le “nnye”</p> <p>Opa diatla gantsi.....EMA</p> <p>Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 2.</p> <p>Murutabana o dira dithapo tse pedi tsa dibaga. Tsenya dibaga tse 3 mo thapong, dibaga tse 2 mo thapong ya bobedi.</p> <p>Letlelela barutwana go supa gore:</p> <ul style="list-style-type: none"> - Ke thapo efe e e nang le dibaga tse dinnye? - Ke thapo efe e e nang le dibaga tse dintsi? - Ke thapo efe e e nang le dibaga tse dintsi go na le tse 2? - Ke thapo efe e e nang le dibaga tse dinnye ka tse 3 ? <p>Tsenyeletsa botsweretshi jwa pono mo barutwana ba segololang dipopego tse di nang le mahuti mo gare, le mathare jalo jalo.</p>	<p>Pina ya dipalo le diraeme</p>	
		<p>Dithapo tse pedi ka dipalo e e farologaneng ya dibaga.</p>	

Beke 12 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsotso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tlhaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.4 Tlhalosa, go bapisa le go rulaganya dipalo	<p>Dirisa dikgonngwa tse di halofo go ruta ka ga dipopego tsa tekanotlhakorepedi (2-D)kgotsa ditshwantsho</p> <p>Baya setlhopha sa didiriswa mo tafoleng, o di kgaoganye ka:</p> <ul style="list-style-type: none"> - Ditlhopha tse di lekanang(e nngwe key a me, e nngwe key a gago) - Ditlhopha tse di sa lekanang(bapisa go bona gore ke setlhopha sefe se se nang le didiriswa tse dintsi/tse dinnye le tse di lekanang) - Fa go na le ditlhopha tse pedi tse di sa lekanang, re tshwanetse go dira eng gore di lekane/di Tshwane? 		
3.2 Didiriswa tsa tekanotlhakoretharo (3-D) le 3.3 Dipopego tsa tekanotlhakorepedi (2-D)	<ul style="list-style-type: none"> • Tlhalosa, tlhaola le go Bapisa didiriswa tsa tekanotlhakoretharo (3-D)le dipopego tsa tekanotlhakorepedi (2-D) <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanotlhakoretharo (3-D)</p> <p>Letelela barutwana:</p> <ul style="list-style-type: none"> - Tlhaola didiriswa tse di farologaneng go ya ka bogolo. - Tlhaola le go Bapisa diboloko tse di farologaneng go ya ka bogolo (tonna le nyenyane). - Tlhaola diboloko go ya ka dipopego tse di tshwanang <p>Dirisa dikgonngwa tse di halofo go ruta ka ga dipopego tsa tekanotlhakorepedi (2-D) kgotsa ditshwantsho</p> <p>Kgoganya barutwana ka ditlhopha di le tlhano. Naya setlhopha sengwe le sengwe dipopego tse di farologaneng.</p> <ul style="list-style-type: none"> - Letelela barutwana go tlhaola dipopego go ya ka: <ul style="list-style-type: none"> o Mmala o Dipopego (le fLetelela barutwana go : sa itse dipopego). o Bogolo - Dirisa dikarata tsekedimo tsa motshameko tse di tswetsang mmala, bogolo le dipopego 	<p>Didiriswa tse di farologaneng tse ditonna le tse dinnye mo phaposing sekao bolo, koloji ya go tshameka, boloko ya Lego jalo jalo.</p> <p>Diboloko tsa go aga ;le dibolo tsa bogolo jo bo farologaneng</p> <p>Dipopego tsa Logji kgoisa mmala mongwe le mongwe o o leng teng</p>	Letsatsi 1

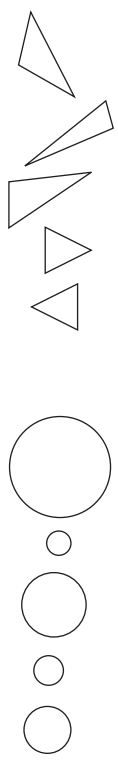
Nako e e tshitsintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) of ± Metsotso 30 ka letsatsi (±5 ditirwana tsa dipalo tse 5 ka beke)			
Beke 13	Dintlha tsa tihaloso	Didiriswa tse di tshitsintsweng	Bolelele jwa nako jo bo lekanyeditsweng
Setlhogo			Letsatsi 1
1.1 Bala didirisi/ diririswa	<p>• Itsise bokao jwa palo 3</p> <p>Molomo:Bala didiriswa letsatsi le letsatsi go fitlha go 3. Bala kwa pele le kwa morago go fitylha go 3. Go balela kwa godimo o boeletsa go tswa 1-7</p> <p>Kgatelelo ya kakanyo “bontsi” le “bonnye”. Opa diatla gantsi....EMA.. Opa diatla gannye fela. Morutabana o opa diatla go fitlha go 3.</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o tshameka mmimo kgotsa meropa. Fa mmimo o ema barutwana ba tlhama ditlhophha tsa botharo. - Botsa barutwana ba masika a bona ba leng ba bararo. - Barutwana ba ema mo moleng, Morutabana o a botsa “ kemang wa boraro mo moleng?” - Aroganya barutwana ka ditlhophha tsa ±5 - Letlelela barutwana go : - Gagola ditsebe tse tharo mo bukeng ya mogala ya bogolologolo. - Menaganya ditsebe tse tharo mo dibolong tse tharo mme di kitlane mo go ka kgonagalang. Go oketsa bokao jo bo tlhamaletseng dirisa letsogo le le feketsang. Barutwana ba ka dula letsogo le le sa feketseng. - Bula dibolo mme o di menaganye gape - Bala dibolo fa tse tharo di fetša go menaganwa - Fa o nse o bala mo dibolong tse tharo mo baseteteng e e beilweng mo gare ga setlhophha. <p>Tirwana e e ka golaganngwa ka Thuto ya ikatiso ya mmele mo Dikgono tsa Botshelo</p>	<p>Barutwana kabo bona. Dibadisi</p> <p>Buka ya megala ya bogolologolo basekete</p>	

Beke 13		Nako e tshitsintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) of ± Metsotso 30 ka letsatsi (±5 ditirwana tsa dipalo tse 5 ka beke)	
Setlhogo	Dintlha tsa tihaloso	Didiriswa tse di tsnitsintsweng	Bolelele jwa nako jo bo lekanyeditsweng
1.1 Bala dibadisi/ didiriswa	<p>Didiriswa tsa tlhakotheharo tsa tse di kgonngwang: Letlelela barutwana go:</p> <p>Supa didiriswa tse 3 mo phaposing</p> <ul style="list-style-type: none"> - Tsholetsa menwana e 3 - Baya didiriswa tse 3 mo tafoleng. Barutwanaba tla ka bongwe mo tafoleng go tla go bala didiriswa. Barutwana ba kgoma didiriswa fa ba ntse ba di bala, Boeletsa ka didiriswa tse dingwe. - Tlhabolola temogo ya tshomarelo ya dipalo ka go Letlelela barutwana go paka dibadisi tse tharo kgotsa didiriswa tse dingwe ka ditsela tse di farologaneng sekao.  <ul style="list-style-type: none"> - Fa go balwa, palo ya dibadisi/didiriswa ga e anngwe ke bogolo, maemo kgotsa gongwe gore di a tshwana - Sekao: - Rulaganya ditlamma tse 3 , diphensele tse 3, holahupo tse 3, barutwana ba le 3 jj. - Di bale ka tlhomagano e e farologaneng sekao: Di bale di phathaletse, di kitlanye, di le mo moleng kgotsa di le mmogo <p>Dirisa didiriswa tse dikgonngwang tsa popegotekatekanothakorepedi kgotsa setshwantsho</p> <ul style="list-style-type: none"> - Supetsa setshwantsho sa pitsa ya maoto a mararo. - Bala maoto . - Letlelela barutwana ba nagane ka sengwe sa maoto a mararo. - Supetsa karata tsekedimo ya setshwantsho sa didiriswa tsa 3. Barutwana ba bala dipalo tse di tsamaisanang le di badisi. - Dira gape jalo ka dikarata tsekedimov tsa marontho. - Barutwana ba bapisa dikarata tsekedimo tsa marontho dikarata tsekedimo tsa ditshwantsho. 	<p>Dibadisi kgotsa didiriswa</p> <p>Dikarata tsekedimo tsa ditshwantsho Dikarata tsekedimo tsa marontho Dibadisi</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Didiriswa tse 3 tsa stshwantsho</p>  </div>	Letsatsi 1

Nako e e tshitsintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) of ± Metsofso 30 ka letsatsi (±5 ditirwana tsa dipalo tse 5 ka beke)			
Beke 13	Dintlha tsa tihaloso	Didiriswa tse di tshitsintsweng	Bolelele jwa nako jo bo lekanyeditsweng
Setlhogo			
Itse matshwaopalo lego lemoga mainapalo	<p>Itse matshwaopalo le go lemoga mainapalo a a akaretsang palo ya 3</p> <p>Molomol:Bala didiriswa tsa letsatsi le letsatsi go fitlha go 3 Balela kwa pele le kwa morago go fitlha go 3</p> <p>Gatelela kakanyo ya “bontsi” le “bonnye”. Opa diatla a gago gantsi....EMA. Opa diatla gannyenyane. Morutabana o opa diatla ga 3.</p> <p>Dirisa didiriswa tse dikgonngwang tsa thiakoretharo</p> <ul style="list-style-type: none"> - Neela morutwana mongwe le mongwe dikhubu tse 3 - Morutabana o supetsa lerontho, setshwantsho, letshwao kgotsa karata tsekedimo ya e e akaretsang dipalo leinapalo 1 - 3. - Barutwana ba bala dipalo tse di totobaditsweng le go di baya dipalo tsona tseo tsa dikhubu mo menwaneng ya bona 	<p>Dikhubu</p> <p>Karata tsekedimo ya dipalo e e akaretsang 1-3</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Setshwantsho sa didiriswa 3</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;">tharo</div> </div>	Letsatsi 1
	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikgonngwa tsa tekanotlhakorepedi (2-D)</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Supa dikarata tsekedimo tse di nang leditshwantsho tsa dipalo tse di farologaneng mo go tsona.. - Supa dikarata tsekedimo tse di nang le matshwaopalo a 3. - Gokaganya letshwaopalo la 3 le palo ya didiriswa le palo ya marontho. - Gokaganya leinapalo le matshwaopalo le dikarata tsekedimo ya dipalo tsa marontho - Neela morutwana mongwe le mongwe karata tsekedimo ya dipalo tse di akaretsang dipalo tsa 1-3.Morutabana o tsholeisa karata tsekedimo ya marontho kgotsa ya setshwantsho.Barutwana ba tsholeisa karata tsekedimo ya dipalo e e tshwanang. 	<p>Dikarata tsekedimo tse di nang le le ditshwantsho tsa dipalo tse di farologaneng mo go nngwe le nngwe.</p> <p>Dikarata tsekedimo ka matshwaopalo a 3</p> <p>Dikarata tsekedimo tse di tshwailweng ka marontho a 3</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Setshwantsho sa didiriswa 3</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;">tharo</div> </div>	

Beke 13	Nako e e tshitsintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) of ± Metsofso 30 ka letsatsi (±5 ditirwana tsa dipalo tse 5 ka beke)	
Setlhogo	Dintlha tsa tihaloso	Bolelele jwa nako jo bo lekanyeditsweng
<p>1.7 Tlhakanyo le Tloso</p>	<p>• Rarabolola ka molomo dipalo tse di kailweng tsa go tlhakanya le go tloša ka tharololo ya go fitlha go 3</p> <p>Motlotlo:Bala didiriswa letsatsi le letsatsi go fitlha go 3. Bala kwa pele le kwa morago go fitlha go 3.</p> <p>Metshameko ya go dirisa mmele</p> <p>Sekao:</p> <ol style="list-style-type: none"> 1. Morutabana o biletša bana ba babedi kwa pele. Barutwana ba a ba bala. 2 le 1 → 3. (Morutabana a re: 2 le 1 e dira 3) 2. Morutabana o pakolola ditulo tse 3. Ga a oketse gape. Go na le ditulo di le kae jaanong? 3 le 0 → 3. 3. Morutabana o pakolola ditulo tse 3.O tloša setilo se le 1.Go setse tse kae jaanong? 3 tloša1 → 2.(3 le 1di go naya 3) 4. Morutabana o biletša barutwana ba le 3 kwa pele. O a ba bala. O busa barutwana ba le 2 kwa morago.Go setse barutwana ba le kae? 3 tloša 2→1 <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <p>Naya morutwana mongwe le mongwe dibadisi di le 3. Fa morutwana a ntse a Motlotlo kgang khutswe barutwana ba paka dibadisi..</p> <p>Dikao</p> <ol style="list-style-type: none"> 1. Anne o na le dinamune tse 2 Peter o mo naya e nngwe e le 1.Anne o na le dinamune di kae jaanong? 2 le 1→3 (Morutabana a re: 2 le 1 di go naya 3). 2. Go na le lethare le le 1 mo setlhareng le mathare a mangwe a 2 a a golang.Go na le mathare a le kae mo setlhareng jaanong? 1le 2→3. <p>Dikaio</p> <ol style="list-style-type: none"> 1. Tshwene e na le dipanana tse 3 e ja e le 1.E na le dipanana tse kae tse di setseng? 3 tloša 2→1. 2. Go na le diapole tse pedi tse di matute mo setlhareng sa diapole. Apole e 1 e wa mo setlhareng. Go setse diapole tse kae mo setlhareng? 2 tloša 1 ke →1. 	<p>Didiriswa tse di tshitsintsweng</p> <p>Dipina tsa dipalo le diraeme.</p> <p>Ditilo</p> <p>Dibadisi tse 3 mo morutwaneng mongwe le mongwe</p>

Beke 13	Nako e e tshitsintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) of ± Metsotso 30 ka letsatsi (±5 ditirwana tsa dipalo tse 5 ka beke)	
Setlhogo	Dintlha tsa tihaloso	Didiriswa tse di tsnitsintsweng
<p>2.1 Dipaterone tsa Jeometeri</p>	<p>• Tlhama dipaterone tse di boelediwang tsa gagwe a dirisa didiriswa tsatlhakorepedi own repeating patterns using 2 objects Metshameko ya go dirisa mmele Barutwana ba dula mo sedikong. Ba opela dipaterone tsa mafoko</p> <p>Sekao :</p> <p>letsatsi, loapi, letsatsi , Loapi dipanana, apole , pere, dipanana, apole, pere. Susan, John, Abby, Susan, John, Abby khibidu, botala jwa loapi, botala jwa loapi. , botala jwa loapi. botala jwa loapi e Waka, waka, eh, eh, waka, waka, eh, eh</p> <p>Dirisa didiriswa tse dikgonngwang tsa tlhakoretharo (2-D) Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Kgobokanya didiriswa tse di tshwanang mo phaposing sk dikerayone tse 3 - Kgobokanya gape didiriswa tse 3 tse di tshwanang mo phaposing sekao diboloko tsa lego - Barutwana ba itlhamela dipaterone tsa bona ba dirisa didiriswa tse pedi sekao : - Kerayone e le nngwe, boloko e le nngwe ya lego, kerayone e le nngwe - Dikerayone tse pedi, boloko e le nngwe ya lego, dikerayone tse pedi, boloko e le nngwe ya lego.... - Letlelela barutwana go tlhama dipaterone ka ditsela tse di farologaneng - Ba faapanya didiriswa tsa bona le ditsala mme ba boeletse tiro eo 	<p>Bolelele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p> <p>Kerayone Prete Didiriswa tse dingwe</p>

Beke 13	Nako e e tshitsintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) of ± Metsofso 30 ka letsatsi (±5 ditirwana tsa dipalo tse 5 ka beke)	
Setlhogo	Dintlha tsa tihaloso	Bolelele jwa nako jo bo lekanyeditsweng
<p>3.3 Dipopegotekano tihakorepedi (2-D)</p>	<p>Lemoga, tlhopho le go neela dipopego tekanotihakorepedi (2-D) le diitshwants'ho mo phaposing</p> <ul style="list-style-type: none"> - Khutlotharo • Metshameko ya go dirisa mmele <p>Thala, kgotsa dirisa thapo go tlhama thadiso ya popego e kgolo ya khutlotharo</p> <p>Letelela barutwana go :</p> <ul style="list-style-type: none"> - Dikologa popego o lebeletse dipopego tsa khutlotharo. Fa ba ntse ba tsamaya Letelela barutwana go : re: " Ke tsamaya fa thoko ga khutlotharo". Nngwe, pedi, mathakore a mararo kgotsa nngwe, pedi, dikhutlo tse tharo(sekhutlo) - Morutwabana o supa gore khutlotharo e na le mathakore a mararo. - Thala khutlotharo mo moweng kgotsa mo mmung - Bopa khutlotharo ka mmopa - Dirisa didiriswa tse dikgonngwang tsa popegotekano tihakorepedi kgotsa setshwantsho <p>Letelela barutwana go :</p> <ul style="list-style-type: none"> - Lemoga le go supa didiriswa mo phaposing tse di nang le popego ya khutlotharo - Lemoga le go supa didiriswa tsa tlhologo tse di nang le dipopego tsa khutlotharo - Baya didiko tsa bogolo jo bo farologaneng le khutlotharo mo kgotsaneng ya feely, Supa khutlotharo mo dipopegong tse dingwe. <div style="text-align: center;">  </div>	<p>Letsatsi 1</p> <p>Mmopa kgotsa seloko ya go tshameka</p> <p>Didiriswa tsa khutlotharo mo phaposing le mo tikologong</p> <p>Itirela dikarata tsekedimo tse 5 ka didikwe tse 5 tse di farologaneng, dikhutlotharo le khutlonne mo go tsona</p>


Nako e e tshitsintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) of ± Metsofso 30 ka letsatsi (±5 ditirwana tsa dipalo tse 5 ka beke)			
Beke 13	Dintlha tsa tihaloso	Didiriswa tse di tsnitsintsweng	Bolelele jwa nako jo bo lekanyeditsweng
Setlhogo			
3.3 Dipopegotekano tlhakorepedi (2-D)	<p>Tlhaola didiriswa tsa tlhakoretharo le dipopegotekano tlhakorepedi</p> <ul style="list-style-type: none"> - Tlhaola didiriswa tse di farologaneng go ya ka popego le mmala <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Supa popego ya khutlotharo mo ditshwantshong. - Bapisa khutlotharo mo karolwaneng ya pampiri - Kopolola khutlotharo go tswa mo karateng e e neetsweng. - Bapisa mosako mo didikong tsothe mo papetlaneng - Dira ditshwantsho ka go dirisa dikhutlotharo ka nako ya botsweretshi jwa pono - Tshameka motshameko wa dikarata tsekedimo o o oketsang kgatelelo ya dipopego 	<p>Ditshwantsho tse e leng gore dikhutlotharo di ka supiwa</p> <p>Dikarata tsekedimo tsa motshameko tse di nonotshang temogo ya dipopego jaaka 'Go na le eng mo khutlommeng'</p> <p>Dipopego tsa Logi ji</p>	Letsatsi

Beke 14 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- meitso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1 Bala dipalo	<ul style="list-style-type: none"> Gatelela kitso e e amogetsweng e e akaretsang palo 3 <p>Motlotlo:Bala didiriswa go fitlha ka 3 letsatsi le letsatsi. Balela kwa pele le kwa morago go fitlha ka 3. Balela kwa godimo a ipoeletsa 1-7</p> <p>Gatelela dikgopolo ka ga “bontsi” le “bonnye”. Opa diatla gantsi.....EMA Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 3.</p> <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Batla didiriswa tse dikhibidu tse 3 mo phaposing. - Bopa palo 3 ka seloko ya go tshameka. - Kgokolosa dibolo tse 3 tse ditonna tsa seloko. - Kgokolosa dibolo tse 3 tse dinnye tsa seloko ya go tshameka. - Batla barutwana ba: le 3 mo phaposing ba ba apereng diaparo tsa mmala o o tshwanang. 	<p>Dipina tsa dipalo le diraeme.</p> <p>didiriswa tse dikhibidu. Seloko</p>	Letsatsi 1

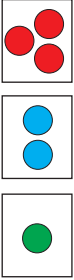
Beke 14 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- meitso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.7 Tlhakanyo le Tloso</p> <p>• Rarabolola dipalo tsa mafoko ka go Motlotlo (kgang khutse e e nang le dipalo) le go tihalosa ditharabololo tsa dipalo tse di akaretsang palo 3</p> <p>Motlotlo: Bala didiriswa go fitlha ka ka palo 3 letsatsi le letsatsi. Balela kwa pele le kwa morago go fitlha ka 3.</p> <p>Metshameko ya go dirisa mmele</p> <p>Dikai:</p> <ol style="list-style-type: none"> 1. Morutabana o bitsa barutwana ba le babedi kwa mmetsheng, a bo a bitsa morutwana a le mongwe. Morutabana o biditse barutwana ba le bakae go ya kwa mmetsheng? Morutabana o Motlotlo a re: 2 le 1 e go naya 3 2. Go na le barutwana ba le bararo. Ngwana mongwe le mongwe o batla kerayone ya gagwe. Re thoka dikerayone di le kae? 3. Bana ba le bararo ba ema mmogo. O mongwe o tswa mo phaposing. Go setse ba le kae? <p>Dirisa dikgonnwa go ruta ka ga didiriswa tsa tekanotlhakoretharo (3-D)</p> <p>Dikai:</p> <ol style="list-style-type: none"> 1. Morutabana o baya dibadisi tse 3 mo tafoleng. O tsaya dibadisi tse 2. Go setse dibadisi di le kae mo tafoleng? Morutabana a re, fa o tsaya 1 go tswa mo go 3 go sala 2 2. Pinky o na le dikatse tse 2, Jabu o mo naya katse e le 1. Pinky o na le dikatse di kae tsothe? 1 le 2 → 3. Morutabana a re 1 le 2 di go naya 3. 3. Fa katse e le nngwe e na le mogatla o le 1, dikatse tse tharo din ale megatla e le kae yotlhe? 1 le 1 le 1 → 3 	Barutwana	Dibadisi	Letsatsi 1


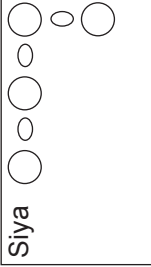
Beke 14 Nako e e tshitshintsweng ya go ruta Kitsiso Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
2.1 Dipaterone tsa Jeometeri	<p>Feleletsa paterone e neetsweng ka didiriswa di le 2</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Letlelela barutwana go kopisa paterone e e diragadiwang sekao tlola, tlola, tlola, tlola..... - Barutwana ba feleletsa paterone ba dirisa mebele ya bone sekao ba eme go bapa ba fapaanya diatla mo godimo ga tlhogo , diatla mo lethekegeng, diatla mo tlhogong..... <p>Dirisa dikgonngwa go ruta ka ga dipopego tsa tekanotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Letlelela barutwana go kopisa paterone e e dirilweng ka didiriswa sekao sebaga, sebaga, letlhokwa, sebaga, letlhokwa..... 	Sediriswa sengwe le sengwe	Letsatsi 1
	<p>Dirisa dikgonngwa tse di halofa go ruta ka ga dipopego tsa tekanotlhakorepedi kgotsa ditshwantsho</p> <ul style="list-style-type: none"> - Morutabana o neela barutwana ditshwantsho tse di segolotsweng tsa didiriswa tse di tshwanang (segolola ditshwantsho ka nako ya tirwana botsweretshi jwa pono) - Morutabana o simolola paterone, barutwana ba tshwanetse go kopolola paterone e e neetsweng sekao setshwantsho sa kofi, tee, sukiri..... - Letlelela barutwana go feleletsa paterone ka go thala sekao tšheše, letlhare, tšheše..... - Sediko se se botala jwa leoapi , sediko se se khibidu, sediko se se botala jwa loapi..... 	Ditshwantsho go tswa mo phasalatsong	Pampiri ya A4 le kerayone

Beke 14 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofse e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo 3.2 Didiriswa tsa tekatekanotlhakoretharo (3-D)	Dintlha tsa tihaloso <ul style="list-style-type: none"> • Tihaola le go bapisa dipopego tsa tekanothakorepedi (2-D) o dirisa ponagalo e e rileng Dikgonngwa tsa go ruta ka ga dipopego tsa tekanothakoretharo (3-D) Kgaoganyana barutwana mo ditlhopheng tse 5. <ul style="list-style-type: none"> - Morutabana o kgobokanya didiriswa tse di lekaneng gore sethopho sengwe le sengwe se tshaole go ya ka diponagalo tse pedi (di ka nna dintsi) - Naya sethopho sengwe le sengwe didiriswa tsa diponagalo go tihaoa . Letlelela barutwana: <ul style="list-style-type: none"> - Tihaola didiriswa go ya ka dilo tse di tshwanang le tse di sa tshwaneng. Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) Tlogela barutwana mo setlhopheng se le sengwe. <ul style="list-style-type: none"> - Tshwantshisa le go tlhola ditshwantsho tse di kgobokantsweng ke morutabana sekao ditshwantsho tsa diaparo tse di farologaneng, dijo, dipalangwa jalo jalo - Letlelela barutwana go feleletsa lethare la tiro mo ba Bapisang ditshwantsho tse pedi sekao molora wa go tlhapa meno le borašhe ya meno, molora le lapa ya go tlhapa 	Didiriswa jaaka: Diaparo tse di farologaneng Maungo a a farologaneng Dipholologo tsa polase tse di farologaneng tsa polasitiki Dipopego tse di farologaneg tsa tekatekanyo Diboloko tse di aging tse di farologaneng Diboloko tsa Lego tse di farologaneng Diiriswa tsa tholego jaaka mathare, dtoko, maje tse di farologaneng. Ditalamo tse di farologaneng Mebala e e farologaneng ya dikhurumelo tsa dibotlolo Dikerayone tse di farologaneng Kgobokanya ditshwantsho go tswa mo dimakasining. Segolola le go kgomaretsa mo dikarateng.	Letsatsi 1

<p>Beke 14 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) + - metsofse e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>3.1 Maemo, kitsiso, le dipono</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Barutwana lebokoso</p>  <p>Fa godimo fa tlase</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Maemo a diriswa tse pedi kgotsa tse dintsi tse di amanang le morutwana <ul style="list-style-type: none"> - Gatelela kgopolo “mo godimo/ka fa tlase” le “mo godimo ga” • Metshameko ya go dirisa mmele <p>Morutwana mongwe le mongwe o dula mo godimo ga setilo.</p> <ul style="list-style-type: none"> - Barutwana ba supetsa gore ba tihaloganyana kgopolo ka go dula mo godimo le ka fa tlase ba latela ditaello tsa morutabana sekao dula mo godimo ga lebokoso, roBala letsatsi fa tlase ga lebokoso kgotsa tafole - Dula ka fa tlase ga tafole. Itire monnye ka fa go kgonagalang ka teng ka fa tlase ga tafole. - Ema mo setilong le go ikotlololela kwa godimo jaaka a batla. - KPalama mo godimo ga tafole le go dikolosa diatla ka disekele tse ditonna/dinnye. Atolosa o dirisa tonnanyana/nnye thata - Baya boloko mo tihogong, o palame mo godimo ga tafole. - Tlhophha barutwana ba le batlhano o dirisa raeme ya dipalo - Laela morutwana mongwe le mongwe ka go mo sebeletsa. <ul style="list-style-type: none"> o Dula diatla a gago a le ka fa tlase ga maoto a gago o Ema diatla a gago a le mo dinokeng tsa gago o Ema diatla a gago ka fa morago ga mokotla wa gago o Dula diatla a gago a le mo magetleng o Ema diatla a gago a fapaane fa pele ga gago <p>Barutwana ba ema mo pele fa ba bangwe ba dutse mo mmetsheng. Botsa barutwana:</p> <ul style="list-style-type: none"> - Morutwana wa ntsha o dirang? (O dutse) - Diatla a gagwe a kae? (<i>Diatla a gagwe a ka fa tlase ga maoto a gagwe</i>) - Boeletsa se, le barutwana ba bangwe o dirsa ya bobedi, ya boraro, ya bone le ya bofelo. - Tlhophha sethophha se sengwe go diragagtsa ditaello tse di tshwanang le tsa sethophha se. - Tsamaya le bana kwa ntle o bontshe kgopolo “mo godimo”, kwa tlase” ba bontshe boithaopi.

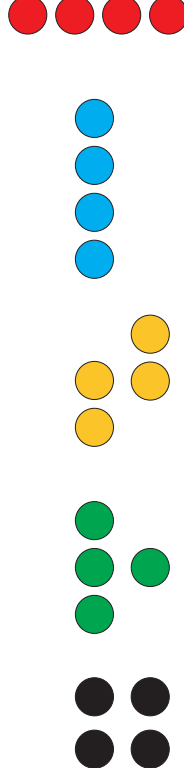
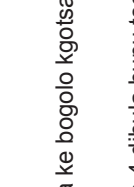
<p>Beke 15 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>
<p>1.1 Bala didiriswa</p>	<p>Gatelela kitso e amogetsang ka go akaretsa dipalo 1, 2 le 3 Motlotlo:Bala didiriswa go fitlha ka 3 letsatsi le letsatsi. Balela kwa pele le kwa morago go fitlha ka 3. Balela kawa godimo o ipoeletsago tloga ka 1-7 Gatelela kgopolo ka ga “Bontsi” le Bonnye” Opa diatla gantsi.....EMA Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 3.</p>	<p>Pina ya dipalo le diraeme</p>
<p>1.1</p>	<p>Metshameko ya go dirisa mmele Rotloetsa barutwana go itemogela: - Karolo ya mmele e le 1 e kgonang go ya kwa godimo le kwa tlase,go ya kwa leithakoreng kgotsa kwa leithakoreng le lengwe ka bo lona sekao loleme. - Dikarolo tsa pedi tse di dirisiwang go tlola sekao maoto</p>	<p>Mebele ya barutwana. Go opela le go diragatsa pina”sekao. ‘there were three in the bed and’ Raeme ya go bala sekao. “One two, buckle my shoe”.</p>
<p>1.2 Balela dipalo kwa pele le kwa morago</p>	<p>Dirisa dikgonngwa go ruta didiriswa tsa tekanotlhakoreharo (3-D) Letlelela barutwana go godisa kgopolopalo ka go: - Dirisa diboloko tse tharo go aga terio - Batla didiriswa tse 3 tse di khibidu mo phaposing . Dirisa dikadikgonngwa tsa ga dipopego tsa tekanotlhakorepedi (2-D) kgotsa ditshwatsho Morutabana o thala setshwantsho se se bothofo - Morutabana o boisa potso e amanang le dipalo ya didiriswa mo setshwantshong sekao o bona matlhaphefo a le kae?</p>	<p>Diboloko Didiriswa tse di khibidu</p> 
<p>1.2</p>	<p>Dirisa dipalo 1,2 le 3 mo tirisong e e tlwaelegileng Motlotlo:Bala ddiriswa go fitlha ka 3 letsatsi le letsatsi Balela kwa pele le kwa morago go fitlha ka 3. Gatelela dikgopolo ka ga “bontsi” le “bonnye”. .Opa diatla gantsi.....EMA Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 3. - Rotloetsa barutwana go ithuta dipalo ya ntlo le aterese ka tlhogo</p>	<p>Pina ya dipalo le diraeme</p>

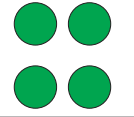
Beke 15 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Tiriso ya dipopego kgotsa ditshwantsho tsa didikgongwa tsa tekanotlhakorepedi (2-D) Letlelela barutwana : <ul style="list-style-type: none"> - Go lebelela ditshwantsho tsa dipalo 1,2 le 3 go tswa mo dimakasineng le difoleyara le go di kgomaretsa mo letlhare la pampiri (isenyaeleisa botsweretshi jwa pono) - Tshwantshisa dipalo ya didiriswa le dipalo ya marontho a a mo karateng. - Supetsa karata tsekedimo ya marontho.Barutwana ba lathelela dipalo e e tshwanang ya dikgetsana tsa dinawa mo teng ga lebokoso. - Tshameka morabaraba wa boto "Snakes and Ladders" le ditomino. 	Makasine,Phasalatso  Dikarata tsekedimo tse di bontshiwang tsa marontho Kgetsana ya dinawa Motshameko wa "Snakes and Ladders" Dotomino	
Dintlha: Dipalo di re potologile gotlhe mo re leng teng: <ul style="list-style-type: none"> - Nitlo nngwe le nngwe e na le dipalo - Rotlhe re na le dipalo tsa mogala tse di farloganeng - Re bona dipalo mo mathabaphefong a mabenkele. - Re bona dipalo mo dikungong tse di farloganeng tsa kwa mabenkeleng - Re bona dipalo mo dikoloing 			
1.4 Tihalosa le Bapisa le go rulaganya dipalo)	<ul style="list-style-type: none"> • Rulaganya le go Bapisa didiriswa tse di kgobokantsweng o dirisa "ntsi go" nnye go" le lekana le" go fitlha ka 3 Metshameko ya go dirisa mmele BiletsLetlelela barutwana go : le babedi kwa pele. Ba letlelele ba dule mo sedikong. <ul style="list-style-type: none"> - Letlelela barutwana ba babedi go ema. Go dutse ba le ba kae? Ba bale. Go eme ba le ba kae? Ba bale. Ke dipalo efe e e ntsi/ntsi thata,e nnye/nnye thata? - Letlelelela barutwana ba bararo go ema. Ba bale. Ke dipalo efe e e ntsi/nnye? A go eme yo mongwe gape.Ba bale.Letlelela barutwana go : ba emeng ba bantsi go feta ba ba dutseng? - Boeletska ka dipalo 1 go fitlha ka 3. - Bala basetsana. Bala basimane. A go na le basimane ba le bantsi go feta basetsana? Dirisa dikgngwa go ruta ka ga tekanotlhakoretharo (3-D) Kgaoganyana barutwana ka dithopha tse thano Neela setlhopha sengwe le sengwe karolo ya thapo/ulu le +- didiriswa tse 5.		Letsatsi 1

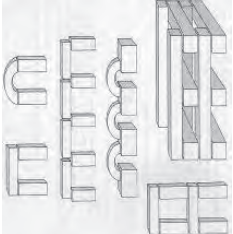
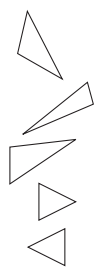

Beke 15 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.4</p> <p>Tihalosa le Bapisa le go rulaganya dipalo)</p>	<p>Barutwana ba bopa sentlhaga ka ulu.</p> <ul style="list-style-type: none"> - Morutabana o sebeletsa sethlopha sengwe le sengwe, a ba kopa go dira sethlopha sa didiriswa sa bo 3 kgotsa 1 mo dintlhageng” - Barutwana ba tshwanetse ba supe gore ke sethlopha sefe se se nang le sediriswa se le sengwe go feta.. - Ke sethlopha sefe se se nang le didiriswa tse dintsi go feta ka 3? - Ke sethlopha sefe se se nang le dipalo ya didiriswa tse di tshwanang? 	<p>thapo</p> <p>Didiriswa tse 5 di newe sethlopha sengwe le sengwe</p>	<p>Letsatsi 1</p>
<p>2.1</p> <p>Dipaterone tsa jeometeri</p>	<ul style="list-style-type: none"> • Kopolola le go feleletsa paterone e e neetsweng go ya ka mmala o o mohibidu,botala jwa legodimo le serolwana Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Morutabana o diragatsa paterone.E boeletse le go tshwelela morethetho sekao. <ul style="list-style-type: none"> o Opa, thwantsha (menwana) opa,thwatlosa o Thwantsha, opa,i taya maoto, thwatlosa, opa, iaya maoto, thwantsha, thwantsha Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) <p>Murutabana o neela morutwana mongwe le mongwe ka Dibadisi tse 3 tse khibidu, 3 botala jwa legodimo le tse di serolwana.</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Kopolola paterone e e neetsweng ke morutabana sekao khibidu,botala jwa loapi, serolwana,serolwana (boeletsa gantsi ka dipaterone tse di farologaneng) - Feleletsa paterone e e neetsweng sekao botala jwa loapi, serolwana,khibidu..... - Letlelela barutwana go tlaola dibadisi go ya ka mebala e farologaneng. 	<p>Murutwana mongwe le mongwe o newa Dibadisi tse 3 tse di khibidu, botala jwa loapi, tse di 3 tse serolwana kgotsa dikhurumelo tsa dibotlolo.</p>	<p>Letsatsi 1</p>
	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Neela morutwana mongwe le mongwe karolwana ya pampiri. - Letlelela barutwana go feleletsa popego ya tekanothakorepedi (2-D) mo molelwaneng. - Feleletsa setshwantsho ka nako ya botsweretshi jwa pono ka nako ya go tahwatlosa setshwantsho fa gare. 	<p>Murutwana yo mongwe le mongwe a newa pampiri ya A4 .</p> <p>Dikerayone</p>	
	<div style="display: flex; justify-content: space-around; align-items: center;"> <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>		


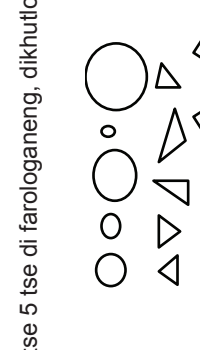
<p>Beke 15 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p>
<p>Setlhogo</p>	<p>Utolola ka ga boleele Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - A morutwana yo mongwe a robale mo fatshe, ba bangwe ba beye diboloko mo moleng go bapa le mebele ya bone - Morutabana o botsa barutwana botlhe go aga sengwe sa dilo tse dikhutsana go feta tsala ya bone le se se telele go feta tsala ya bone 	<p>LetlelelLetlelela barutwana go : tihomamise:</p> <ul style="list-style-type: none"> - Ke kago efe e e telele? - Ke kago efe e e telele thata? - Ke kago efe e e khutshwane? - Ke kago sefe se se khutshwane thata? 	<p>Dibiloko tsa go aga</p>	
<p>4.2 Boleele</p>	<p>Letlelela barutwana go rulaganya diwana tse di farologaneng:</p> <ul style="list-style-type: none"> - Go tloga ka botelele go ya go khutshwane - Go tloga go khutshwane go ya go telelethata - Letlelela barutwana go tshwantshisa botelele jwa didiriswa tse di farologaneng. <p>Murutabana o neela barutwana dikarolo tsa ulu kgotsa thapo. Rotloetsa barutwana go fopholetsa pele ga ba lekanya.</p> <p>Letlelela barutwana go lekanya:</p> <ul style="list-style-type: none"> - Tlhogo ya mongwe le mongwe. - Maoto a mongwe le mongwe.. - Magwejane tsa mongwe le mongwe. - Lelokololo la seatla. - Letlelela barutwanago Bapisa boleele jo bo farologaneng, ka go lebelela gore ke thapo efe e e telele kgotsa e e khutshwane sekao thapo e e lekanyang tlhogo ya me e telele go feta thapo e e e lekantseng lekololo la seatla. - Letlelela barutwana go tihomamisa gore fopholeliso ya bone e nepagetse.. 	<p>Dithapo Kgole dithupa tsa lesela Dikerayone tsa boleele jo bo farologaneng</p> <p>Ulu kgotsa thapo Barutwana</p>		

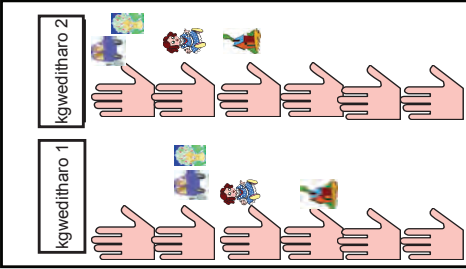
Beke 16 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
Setlhogo				
1.1 Bala dipalo	<ul style="list-style-type: none"> • Itsise bokao jwa palo 4 <p>Motlotlo: Bala didiriswa go fitlha ka 4 letsatsi le letsatsi. Bala kwa pele le kwa morago go fitlha ka 4. Balela kwa godimo o ipoeleisa 1-7</p> <p>Gatelela kgopolo ka ga “bontsi” le “bonnye”. .Opa diatla gantsi.....EMA Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 4.</p> <p>Metshameko ya go dirisa mmele Letlelela barutwana:</p> <ul style="list-style-type: none"> - Oba tlhogo tsa bone ga 4. - Bopa 4 ba dirisa mebele ya bone. Barutwana ba thomamisa gore ba tihoka bana ba le bakae. - Barutwana ba tswala matlho. Morutabana o itaya mo tafole gane. Ba bula matlho a bone, ba motlotlo gore ba utlwile go itewa tafole ga kae.Boeletsa dipalo 1 go fitlha ka 4. 	Diraeme tsa go bala le dipina Mebele ya barutwana		

<p>Beke 16 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>
<p>1.1 Bala dipalo</p>	<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo. Letlelela barutwana:</p> <ul style="list-style-type: none"> - Bopa dipalo 4 ka seloko ya go tshameka. - Batla ditsala tse 4 ba barweleng ditlhako. - Batla didiriswa tse 4 tse di kgolokwe. - Bofa morutwana mo mathong le go ba letlelela go supa dipalo 1 go fitlha ka 4 ka go phopholetsa/gatisa dikarata tsekedimo tsa dipalo. - Godisa temoso ka ga tshomarelo ya dipalo ka go letlelela barutwana go paka dibadisi tse nne kgotsa didiriswa dingwe le dingwe tse di farologaneng, sekao 	<p>Seloko ya go tshameka Didiriswa tse di kgolokwe Dira sete ya dikarata tsekedimo tsa dipalo tse di phopholeliwang ka go di segolola dipalo go tswa mo pampiri e e magwasipa le go di kgomaretsa mo karateng e nngwe.. Morutwana mongwe le mongwe o newa Dibadisi tse 4 kgotsa didiriswa tse 4 Makasini, difoleyara, phasalatso Pampiri ya A4 paper le gomo</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Setshwantsho sa didiriswa tse 4</p>  </div> </div>
	<p>Fa o bala, dipalo ya didiriswa ga e amiwa ke bogolo kgotsa maemo, kgotsa ke mofuta o o tshwanang. Sekao:</p> <ul style="list-style-type: none"> - Rulaganya ditalamo 4, dipensele tse 4, dihula hupu tse 4 hoops, barutwana ba le 4 jalo jalo. - Di bale ka ka thulaganyo e e farologaneng sekao di bale di adilwe, di bapile, mo moleng kgotsa di pakilwe <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) Letlelela barutwana:</p> <ul style="list-style-type: none"> - Batla ditshwantsho tse 4 le go di kgomaretsa mo pampimosako. - Tshwantshisa dipalo ya didiriswa go dipalo tsa marontho mo karateng - Supa karata tsekedimo ka marontho a mane. 	<p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p>

Beke 16 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)
Setlhogo	Dintlha tsa tihaloso
<p>1.4 Tihalosa, bapisa le thulagano dipalo</p>	<p>• Dirisa palo 4 mo tirisong e e tlwaelegileng</p> <ul style="list-style-type: none"> - Dipalo ya 4 e dira gore o gopole eng? <ul style="list-style-type: none"> Koloi - maotwana a koloi Setilo - matotwana a mane a setilo Ntša - Dikgato tse nne tsa ntša Tafole - maotwana a mane a tafole - Go godisa kgopolo, rotloetsa barutwana go gopola dipalo ya bone ya ntlo le aterese. <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3)</p> <ul style="list-style-type: none"> - Naya barutwana tšhono ya go tshameka motshameko wa ka karata tsekedimo ya dipalo tse di leng teng mo phaosing. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Bontsha karata tsekedimo ya letšhwaopalo 4 <p>O tshameka metshameko jaaka:</p> <ul style="list-style-type: none"> - Fa ntlo ya lona e na le 4,opa diatla ga nne. - Batla tsala mo phaosing yo nang le dipalo ya ntlo e e tshwanang le ya gago(Barutwana ba botsa ditsala dipalo tsa matlo a bone) - Ke dipalo ya ntlo ya ga mang e e fetang 4? - Supetsa barutwana karata tsekedimo ka marontho a mane. - Supa karata tsekedimo ka ditshwantsho tse nne mo go yona.
	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Aterese ya ntlo ya morutwana</p> <p>Barutwana</p> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 10px auto;">4</div> <p>Dipalo nngwe le nngwe e leng teng mo karateng ya metshameko</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">Setshwantsho sa didiriswa tse 4</div> <div style="border: 1px solid black; padding: 5px;">  </div> </div> <p>Dikarata tsekedimo ka ditshwantsho tse 4 le marontho a le 4</p>
	<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p>

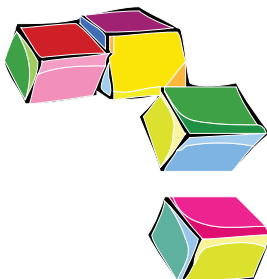
Beke 16 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
Setlhogo				
3.2 Didiriswa tsa tekatekanotlhakoretharo (3-D)	<ul style="list-style-type: none"> • Utolola dikgonagalo tsa go dirisa diboloko tsa go aga Letlelela barutwana: <ul style="list-style-type: none"> - Dirisa diboloko tse dingwe le tse dingwe go aga - Aga boago jwa diboloko di le 3 ya ga kwa godimo le diboloko tse 5 go ya kwa tlase. - Dirisa biboloko tse di dintsi tse di thokagalang go aga terena. - Supa gore ke mangy o o agileng terena e e telele thata - Aga terio e kwa godimo (tsepamo). - Aga boago jo bo polata sekao tsela kgoisa ntlo(rapaletseng) - Supa gore ke mangy o o agileng terio e kwa godimo thata. - Neela diboloko tsa go aga ka nako ya go tshameka mo teng ga phaposi gore barutwana ba tswetele go utolola diboloko tsa go aga. 		Diboloko tse di aging sekao.	Letsatsi 1
3.3 Dipopegotekano tlhakorepedi (2-D)	<ul style="list-style-type: none"> • Godisa bokgoni go tlosa dipharologantsho mo gare ga dipopego tse di mo tikologong, go sa kgathalesege bogolo kgoisa bogolo jwa dikhutlwana tsa teng Metshameko ya go dirisa mmele Letlelela barutwana go dula ka dithopha tse 3: <ul style="list-style-type: none"> - Robala mo fatshe le go dira khutlotharo ka mebele ya bone. Thagisa gore le fa dikutlotharo tsa dithopha di farologana, khutlotharo ya sethlopha sengwe le sengwe, e santse e le khutlotharo - Morutabana o supetsa dikhutlwana tse di farologaneng mo fatshe sekao: 		Barutwana	Letsatsi 1 Tlhopa tirwana e le nngwe ya Metshameko ya go dirisa mmele, dikgonngwa, le dikgonngwa tse di halofa.
	<ul style="list-style-type: none"> - Barutwana ba tsamaya mo letlhakoreng la dipopego le go itemogela dikhutlwana tse di faroganang ka mebele ya bone. 		Morutwana mongwe le mongwe o newa dithupana tse 7	
	<ul style="list-style-type: none"> - Dirisa dithupana tse 7 le go di baya mo moleng o o tlhamaletseng 			

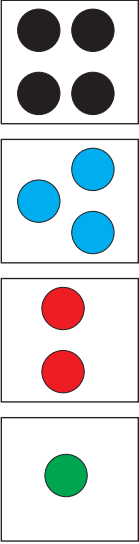
<p>Beke 16 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Setlhogo</p>				
<p>3.3 Dipopegotekano tihakorepedi (2-D)</p>	<ul style="list-style-type: none"> - Dirisa dithupana go dira mola o o potapotang. - Dirisa dithupana go dira mola o o šokameng. - Dirisa dithupana go dira khutlotharo. - Tlhagisa gore khutlotharo ya morutwana mongwe le mongwe ga di Tshwane mme fela dikhutlotharo di santse di le dikhutlotharo. 		<p>Dikarata tsekedimo tse di nang le didiko tse 5 tse di farologaneng, dikhutlotharo le dikhutlonne mo go tsone.</p>	
<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <p>Murutabana o thala didiko tse 5 tse di farologaneng, dikhutlotharo le dikhutlonne mo karateng sekao.</p> <p>Murutabana o kgaoganyana barutwana ka ditlhopho. Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Lemoga dikarata tsekedimo tsa khutlonne mo gare ga dipopego tse dingwe. 				

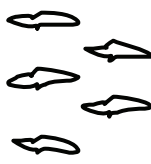
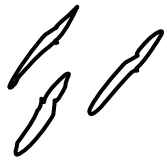
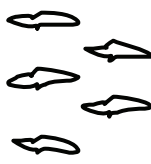
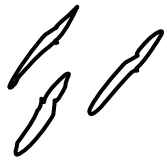
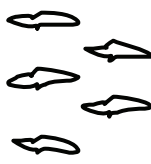
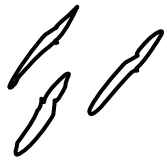
<p>Beke 16 Kitsiso</p>	<p>Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>
<p>4.2 Boleele</p>	<p>Gatelela kgopolo ka ga boleele Metshameko ya go dirisa mmele Letlelela barutwana:</p> <ul style="list-style-type: none"> - Ulolola boleele ka go tshwantshisa didiriswa . - Supa gore ke sediriswa sefe se se leng se telele thata le sediriswa se se khutshwane thata. - Tshwantshisa boleele jwa barutwana ba le babedi le go supa gore ke morutwana ofe yo o mokhutshwane le yo moleele. - Tshwantshisa boleele jwa barutwana ba le babedi le go botsa dipotso jaaka "ke morutwana ofe yo mokhutshwane thata le gore ke ofe yo moleele thata. - Morutabana o lekanya barutwana gape a dirisa karata tsekedimo ya boleele go tswa mo kgwedi-tharong ya ntiha. - Morutabana o tlogela dikgatiso tsa kgwedi-tharo e fetileng (diatla , diatla ka ditshwantsho le matshwao a burwana) gore ba kgone go bapisa ditekanyetso tse pedi . - Barutwana ba itemogela gore a ba godile go tloga mo kgwedi-tharong e e fetileng. - Ke mang o o sa golang gotlhelele? - Ke mang o o godileng thata go tloga ka kgwedi-tharo ya ntiha? sekao <ul style="list-style-type: none"> o Ntobi o godile ka bogolo jwa seatla se le sengwe. o Boleele jwa ga Lindo bo tshwana fela. 	<p>Diphensele, dithapo, Thudi, dipekese Bogolo jwa seatla Karata tsekedimo ya boleele</p> 
		<p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p>

Beke 17 KITSISO			
Nako e tshithintsweng go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutana(mosako) ka ± 30 metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegisitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1 Bala didiriswa	<p>• Gatelela kitso e e amogetsweng ka ga bokao jwa palo 4</p> <p>Motlotlo:Bala didiriswa letsatsi le letsatsi go fitlha ka 4.</p> <p>Balela kwa pele le kwa morago go fitlha ka 4.</p> <p>Gatelela kgopolo ka ga “bontsi” le mmalwa”</p> <p>Opa diatla gantsi.....EMA.</p> <p>Opa diatla mmalwanyana.Morutabana o opa diatla go fitlha ka 10.</p> <p>Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye..</p> <p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Gatisa palo 4 mo moyeng o dirisa monwana wa gagwe. - Opela pina sekao dibotlolo tse nne tse di tala di akgega mo loboteng....’ - Potologa ga 4 . 	Dipina tsa dipalo le diraeme	Letsatsi 1
	<p>Dirisa dikgonngwa tsa tekanothakoretharo (3-D)</p> <p>Letlelela barutwana go godisa kgopolo ka ga palo ka go:</p> <ul style="list-style-type: none"> - Thala palo 4 mo mmung. - Batla didiriswa tse 4 tsa tekanothakoretharo (3-D) tse di kgokologang - Aga diphasele ka dikarolwana tse 4. <p>Tiriso ya dipopego kgotsa ditswantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o tlhopa dikarata tsekedimo tse 4 tsa leinapalo. Morutabana o bonsha karata tsekedimo ya leinapalo 4 le go setshwantsho sa setshamekisi kgotsa sa phologolo. - Morutwana o leina la gagwe le bontshitsweng o dira modumo ka setshamekisi se se dirilweng. - Boeletsa go fitlhela maina a le a bontshitswe. - Botsa gore ke maina le kae ba ke a bontshitseng? Lo bone ditshamekisi kgotsa ditswantsho tsa dipologolo tse kae? 	<p>Pane e polata/ bokoso ka mmu</p> <p>Didiriswa tsa tekanothakoretharo (3-D) tse di kgokologang</p> <p>Phasele ya dikarolwana tse 4</p> <p>Karata tsekedimo ya setshwantsho sa setshamekisi</p> <p>Karata tsekedimo ya setshwantsho sa phologolo</p>	

Beke 17 KITSISO			
Nako e tshitshintsweng go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutana(mosako) ka ± 30 metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegisitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.3 Matshwaopalo le Mainapalo	<p>Lemoga le go itse letshwaopalo le leinapalo ya palo ya 4</p> <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha ka 4. Balela kwa pele le kwa morago go fitlha ka 4.</p> <p>Gatelela kgopolo ka ga “bontsi” le mmalwa” Opa diatla gantsi.....EMA. Opa diatla mmalwanyana.Morutabana o opa diatla go fitlha ka 4. Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye..</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Kwala nne mo setilong.Mo fatshe, mo mokotleng wa tsala. - Tsholetsa menwana e 4. - Morutabana o tshameka ka moropa. Fa moropa o khutla, barutwana ba bopa dithopho tse nne. 	Dipina tsa dipalo le diraeme	Letsatsi 1
	<p>Dirisa dikgonngwa tsa tekatekanyopogopedi (2-D) kgotsa ditshwantsho</p> <ul style="list-style-type: none"> - Bontsha barutwana karata tsekedimo e e nang le letshwaopalo 4 - Supa leinapalo mo karateng. - Golaganya leinapalo go palo e tshwanang ya didiriswa. 	<p>Karata tsekedimo ya letshwaopalo</p> <p>Karata tsekedimo ya leinapalo nne</p> <p>sediriswa sa tekantlhakoretharo (3-D)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin: 2px;">4</div> <div style="border: 1px solid black; padding: 5px; margin: 2px;">nne</div> </div>	

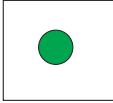
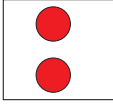
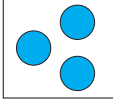
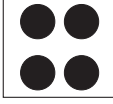
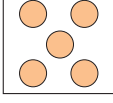
Beke 17 KITSISO	Nako e tshitshintsweng go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutana(mosako) ka ± 30 metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegisitsweng
<p>1.7 Tlhakanyo le Tloso</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Rarabolola ka go Motlotlo le go tihalosa ditharabololo tsa dipalo tsa mafoko (dipalo tsa dikgang khutswe) tse di akaretsang palo 4 <p>Dirisa didiriswa tsa tekanothakoretharo (3-D)</p> <p>Dikgai:</p> <ol style="list-style-type: none"> 1. Morutabana o go naya diboloko tse 2, o setse o na le diboloko tse 2.O na le tse kae tsothe? 2. Fa o na le didiko tse 2 tse di serolwane le tse dikhibidu tse 2 ,o na le didiko di le kae tsothe? 3. Sipho o na le dikerayone di le 4 le Joy o na le kerayone e 1 .Ke mang o nang le dikerayone tse dintsi? 4. Fa Jody a na le dimpopisi tse 4, o lathegelwa ke mpopisi e le 1,o setse ka dimpopisi di le kae? <p>Kgaoganya barutwana ka ditlhophha.</p> <ul style="list-style-type: none"> - Naya setlhophha sengwe le sengwe didiriswa tse di mmalwa sekao dipensele, dikerayone,dikopi, dipopego. Letelela barutwana go kgaoganya didiriswa tse ba di neilweng magareng ga maloko a dithophha (nyalano ka-bongwe-ka-bongwe) - Botsa barutwana dipotso jaaka: "A go na le didiriswa tse di setseng?" - (Morutabana a netefatse gore dilo tse dintsinzana go feta palo ya barutwana mo setlhopheng. Sutisa dilo go supa kabelano e e lekanang) 	 <p>Diboloko Dikerayone Didiko tsa mmala wa legodimo le tse dikhibidu Dimpopisi</p> <p>Didiriswa tse di lekaneng (sediriswa se sengwe sa morutwana mongwe le mongwe) jaaka phensele,kerayone,dikopi, dipopego</p>

Beke 17 KITSISO	Nako e tshithintsweng go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutana(mosako) ka ± 30 metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)				
Setlhogo	Dintlha tsa tihaloso				
<p>1.4 Tihalosa, bapisa le thulaganyo ya dipalo</p>	<p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p> <p>Dithusa-thuto tse di atlenegisitsweng Wulu /thapo Dibadisi 4</p> <p>Rulaganya le go bapisa setlhophha sa dilwana o dirsa kgolo go , nnye go go lekana le go fitlhela go palo ya 4 Kgaoganyana barutwana ka dithophha</p> <ul style="list-style-type: none"> - Morutabana o neela setlhophha sengwe le sengwe dibadisi tse 4 le manathwana a mabedi a wulu. <p>Letlelela dithophha:</p> <ul style="list-style-type: none"> - Bopa didiko tse pedi ka wulu (disete). - Ba latelela ditaello tsa morutabana ba baya dibadisi mo seteng nngwe le nngwe. - Kgobokanya maloko a dithophha go supa gore ke sete efe e e nang le dibadisi di le dintsi go feta e nngwe? (ntsi go) - Ke sediko sefe se se nang le dibadisi tse di mmalwa go feta se sengwe? (nnye go) - Ke sediko sefe se se nang le palo e e tshwanang ya dibadisi jaaka se sengwe? (lekana) <p>Dirisa dikgonngwa tse di halofo tsa tekatekanyopegopedi (2-D) kgotsa ditshwantsho Rulaganya sete ya ditshwantsho ka thulaganyo e e siameng sekao.</p> <table border="1"> <tr> <td>Setshwantsho sa sediriswa se le 1</td> <td>Setshwantsho sa didiriswa tse 2</td> <td>Setshwantsho sa didiriswa tse 3</td> <td>Setshwantsho sa didiriswa tse 4</td> </tr> </table> <p>Rulaganya sete ya marontho ka thulaganyo e e siameng sekao.</p>  <p>Botsa dipotso jaaka "ke karata tsekedimo efe e e nang le didiriswa/marontho tse dintsi? Ke dipalo tsefe tse dintsi go feta ij 2?"</p>	Setshwantsho sa sediriswa se le 1	Setshwantsho sa didiriswa tse 2	Setshwantsho sa didiriswa tse 3	Setshwantsho sa didiriswa tse 4
Setshwantsho sa sediriswa se le 1	Setshwantsho sa didiriswa tse 2	Setshwantsho sa didiriswa tse 3	Setshwantsho sa didiriswa tse 4		

Nako e tshithintsweng go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutana(mosako) ka ± 30 metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)								
Beke 17 KITSISO	Dintlha tsa tihaloso	Boleele jwa nako jo bo lekanyeditsweng						
Setlhogo		Dithusa-thuto tse di atlenegisitsweng						
5.1 Kgobokanya le go tthaola didiriswa .	<ul style="list-style-type: none"> • Godisa tirego ya dipalo tsa tshedimosetso Dirisa dikgonngwa tsa tekanothakoretharo (3-D) <ul style="list-style-type: none"> - Letlelela barutwana go kgobokanya dithupana tse 9. - Tthaola dithupana go ya ka tse dimnye le tse ditonna ka bogolo. Thala kerafo go bontsha di newa tshedimosetso Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) <ul style="list-style-type: none"> - Dira kerafo ya ditshwantsho tsa dithupana. - Barutwana bap aka dikotwana mo kerafong ya ditshwantsho go ya ka bogolo, go raya gore nnye le tonna. 	Letsatsi 1						
5.2 Dira kemedi ya didiriswa tse di kgobokantsweng le go tthaola.		Barutwana ba dira kgobokanyo ya bone ya dikotwana						
5.3 Tthalosa o dire pegelo ka kgobokanyo le tthaolo ya didiriswa	<table border="1"> <thead> <tr> <th>Dithupana tse dinnye</th> <th>Dithupana tse ditonna</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>5</td> <td>3</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Motlotlo ka ga dipholo ka go botsa dipotso sekao "ke dikotwana tse kae tse dimnye? Ke dikotwana tse kae tse ditonna? Ke tsefe tse dintsi/mmalwa?" 	Dithupana tse dinnye	Dithupana tse ditonna			5	3	<p>Letlhare la tirwana la kerafo ya asetshwantsho. Morutabana o thala letlhare la A4 ka dikolomo tse di siameng tsa morutwana mongwe le mongwe.</p>
Dithupana tse dinnye	Dithupana tse ditonna							
								
5	3							

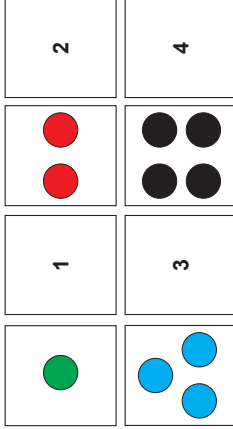
Beke 18 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo				Letsatsi 1
1.1. Bala dipalo	<p>Gatelela kitso e e amogetsweng e akaretsa dipalo 1,2,3 le 4.</p> <p>Motlotlo: Bala didiriswago fitlha ka 4 letsatsi le letsatsi.</p> <p>Balela kwa pele le kwa morago go fitlha ka 4.</p> <p>Balela kwa godimo o ipoeletsa 1-7</p> <p>Gatelela dikgopolo ka ga "bontsi" le "bonnye"</p> <p>Opa diatla gantsi.....EMA</p> <p>Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 4.</p> <p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Dira palo 1 mo moweng o dirisa monwana. - Barutwana ba tshwara tlhogo tsa bone gabedi. - Dumedisa barutwana ba le 4 ba ba farologaneng ka letsogo. - Tswala matlho a barutwana ka lesela, ba letlelele go supa palo 1 go fitlha ka 4 ka go phopholetsa Karata tsekedimo palo e phopholediwang <p>Dirisa dikgonngwa ka go ruta ka ga didiriswa tsa tekanothakoretharo</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Thala palo 1 mo mmung. - Batla didiriswa tse 3 tse di tshwanang. - Tlolela mo lifelong le le nosi ga 2 - Aga diphasele ka dikarolo tse 4 kgotsa tse dintsi. 	<p>Dipina tsa dipalo le diraeme</p> <p>Terei/lebokoso ka mmu</p> <p>Sete ya dikarata tsekedimo tse di phopholediwang</p> <p>Didiriswa barutwana</p> <p>Phasele ya dikarolo tse 4</p>	Letsatsi 1	
1.1. Tšhelete	<ul style="list-style-type: none"> • Lemoga le go supa papetlana ya Tšhelete Aforika Borwa <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo</p> <ul style="list-style-type: none"> - Lemosa barutwana ka ga diphologolo le ditshwantsho tsa dimela mo leding lengwe le lengwe. - Tiriso ya tšhelete e ka dirisiwa mo sekhutlwaneng sa Dikgono tsa botshelo, mo barutwana ba tshamekang lebenkele. Ka go tshameka barutwana ba thagisetswa tšhelete a a farologaneng. 	<p>5c, 10c, 20c, 50c, R1,00, R2,00 le R5,00 (tšhelete a go tshameka le tšhelete a nnete)</p>	Letsatsi 1	

Beke 18 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.7 Tlhakanyo le Tloso</p> <p>Rarabolola dipalo tsa go tlhakanya tse di neetsweng ka go Motlotlo le dipalo tsa go tloso go fitlha ka 4</p> <p>Motlotlo: Bala didiriswa go fitlha ka 4 letsatsi le letsatsi.</p> <p>Balela kwa pele le kwa morago go fitlha ka 4.</p> <p>Balela kwa godimo o ipoeletsa go tloga 1-7</p> <p>Gatelela dikgopolo ka ga “bontsi” le bonnye”.</p> <p>Opa diatla gantsi.....EMA</p> <p>Opa diatla a gago gannye. Morutabana o opa diatla go fitlha ka 4.</p> <p>Metshameko ya go dirisa mmele</p> <p>Dikai:</p> <ol style="list-style-type: none"> 1. Morutabana o biletsa morutwana a le 1 kwa pele mo phaposing. O bitsa gape barutwanan ba le 3. O biditse barutwana ba le kae botlhe? 2. Morutabana o pakolola dibadisi tse 3. O oketsa ka e nngwe-gona le dibadisi di le kae mo tafoleng? 3. Barutwana ba ema mo pele ga phaposi. Morutabana o kopa morutwana o mongwe go dula fa fatshe. Ke barutwana ba le kae ba ba fa pele ga phaposi jaanong? 4. Tumelo o na le dipensele tse 4. O naya Xolani dipensele tse pedi. Tumelo o setse ka dipensele tse kae? 	<p>Dipina tsa dipalo le diraeme</p> <p>Barutwana Dibadisi Diphensele</p> <p>Dirisa didiriswa tse di farologaneng go go naya tshaloganyo gore o dirisa jang ditogamaano tse di farologaneng</p>	<p>Letsatsi 1</p>	

Beke 18 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)
Setlhogo	Dintlha tsa tihaloso
<p>1.4 Tihalosa , bapisa le thulaganyo ya dipalo</p>	<p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p> <p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Dikereyone</p> <p>Lerontho le karata tsekedimo ya letshwaopalo</p>
<p>1.4 Tihalosa , bapisa le thulaganyo ya dipalo</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Rulaganya le go bapisa didiriswa tse di kgobokantsweng o dirisa “ntsi go” le nnye go” le lekana le” go fitlha ka palo 4 <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutabana o neela leloko lengwe le lengwe la setlhopho dipalo e e riling ya dikerayone. - Maloko a setlhopho a tshwanetse go supa gore ke morutwana ofe yo o nang le dikerayone tse dintsi go fetisa bangwe? - Ke morutwana ofe yo o nang le tse dinnye go na le barutwana ba bangwe? - Ke barutwana bafe ba ba nang le dipalo e tshwanang ya dikerayone? <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Rulaganya sete ya dikarata tsekedimo tsa dipalo tse di akaretsang palo 1-5 ka tatelano sekao <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  1 </div> <div style="text-align: center;">  2 </div> <div style="text-align: center;">  3 </div> <div style="text-align: center;">  4 </div> <div style="text-align: center;">  5 </div> </div> <ul style="list-style-type: none"> - Botsa dipotso jaaka “Ke karata tsekedimo efe e e nang le marontho a mantshi/didiriswa? - Ke dipalo efe e e nang le dipalo e e fetang jj 2?


Beke 18 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo 2.1 Dipaterone tsa jeometri	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> Kopolola go le felelsa paterone e e neetsweng Kopisa paterone e e neetsweng <ul style="list-style-type: none"> Murutabana o dira paterone a dirisa Tšhelele e e tshamekang sekao” e.g. 5c, 5c, 5c, 10c, 10c, 10c, 20c, 20c, 20c <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> Kopisa dipaterone tse di farologaneng tse di bopilweng ke morutabana. <p>Feleletsa paterone e e neilweng</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> Feleletsa dipaterone tse di farologaneng tse di bopilweng ke morutabana sekao. <ul style="list-style-type: none"> o 5c, 5c, 10c, 10 ----- o 5c, 10c, o 10c, 20c.....jj. 	<p>Tšhelele ya motshameko kgotsa tšhelele a nnete(5c, 10c,20c)</p>	<p>Letsatsi 1</p>	

Beke 19 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-ithuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo				Letsatsi 1
1.1 Bala didiriswa	<p>• Gatelela kitso e amogetsweng e e akaretsang dipalo 1, 2, 3 le 4.</p> <p>Motlotlo:Bala didiriswa go fitlha ka 4 letsatsi le letsatsi. Balela kwa pele le kwa morago go fitlha ka 4. O balela kwa godimo a ipoeletsa go tloga ka 1-7</p> <p>Gatelela dikgopolo ka ga “bontsi” le “bonnye”. Opa diatla gantsi.....EMA. Opa diatla go gonye. Morutabana o opa diatla go fitlha ka 4.</p> <p>Metshameko ya go dirisa mmele Morutabana o tsholetsa karata tsekedimo ya dipalo ka letshwaopalo, a re go barutwana:</p> <ul style="list-style-type: none"> - Ke tlhoka basimane ba le kana - Morutabana o tsholetsa palo a re, ke tlhoka basetsana ba le kana. - Bopa ditlhopha tsa (tsholetsa palo 2). - Boeletsa tiro e ka dikarata tsekedimo tse di kwadlweng 1-4 	<p>Dipina tsa dipalo le diraeme</p> <p>Letshwaopalo le le akaretsang dipalo 1-4</p> <p>sekao</p> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">3</div>		
1.16 Dipalo tsa tlhogo		<p>-</p> <p>Dipalo tsa tlhogo Morutabana o tsholetsa karata tsekedimo ya palo 3, a botsa barutwana?</p> <ul style="list-style-type: none"> - Ke palo efeng e e tlang mo pele ga 3? - Ke palo efeng e e latelang morago ga 3? - Boeletsa ka dipalo 1-4 - A lo ka bontsha ditsekedima e e nang le setshwantsho se se nang le palo e e tshwanang le marontho a a mo karateng? 	<p>Seta ya dikarata tsekedimo tsa ditshwantsho le marontho a a akaretsang dipalo 1-4</p>	

Beke 19 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.16 Dipalo tsa tlhogo	<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutabana o opa diatla ka morethetho le go bapisa dipalo ka bonya. Barutwana ba tlosa dibaga ba di supetsa sekao dibaga - Letlelela barutwana go baya 1,2,3 kgotsa 4 mo pele ga bone - Kopa barutwana go bontsha gore ba na le dibaga di le kae ka go bapisa dibaga tsa bone le dipalo e e tshwanang le e mo karateng sekao dibaga tse 4 le letshwaopalo 4. - A ba batle morutwana yo o nang le dipalo e e tshwanang ya dibaga. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <p>Morutabana o tsholetsa karata tsekedimo ya lerontho ya palo 2 le go botsa barutwana</p> <ul style="list-style-type: none"> - Go na le marontho a le kae mo karateng e? - Dipalo tse, di emela marontho a le kae? - Ke dipalo efe e latelang morago ga dipalo e? - Go thata dipalo e e tshwanang ya marontho mo lethare la pampiri. 	<p>Morutwana mongwe le mongwe o newa dibaga tse 4</p> <p>Karata tsekedimo ya dipalo 1,2,3 le 4</p> <p>Karata tsekedimo ya marontho</p> 	

Beke 19 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.7 Tlhakanyo le tloso</p> <p>O rarabolola ka go motlotlo dipalo tse di neetsweng tsa go tlhakanya le go tloso dipalo tsa ditharabololo tse di fitlhang ka 4</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Biletsa barutwana go ba le 3 kwa pele. Ba bale - Biletsa gape morutwana a le 1, ba bakae botlhe? 3 le 1@4 (tharo le nngwe e go naya 4) - Romela ba le 3, mo mmetsheng. Go na le barutwana ba le kae jaanong? Tloso 1 mo go 4→3 <p>Kgaoganya barutwana ka ditlhopha. Botsa dipotso tse di jaaka ::</p> <ul style="list-style-type: none"> - O bona dinko di le kae mo sethopheng sa gago? - Melomo e kae? - Mebele e kae? - Fa gare barutwana ba le babedi, go na le matlho a le kae? - Fa gare go barutwana le babedi, go na le maoto a le kae? <p>Dirisa dikgonngwa go ruta ka ga dipopego tsa tekatekanyothhakoretharo (3-D)</p> <p>Dikao:</p> <ol style="list-style-type: none"> 1. Rraagwe Lindiwe o na le koloi. Koloi ya gagwe e na le maotwana a lekae? 2. Fa leotwana le tswile moya le ntshiwa, go sala maotwana a le makae? 3. Koko e na le dikokwana di le 4. Dikokwana di le pedi di nyelela. Go na le dikokwana di le kae ka koko jaanong? 4. Koko ya mosadi e bona dikokwana tsa yona tse pedi. E na le dikokwana tse kae jaanong? 	<p>Dibadisi</p> <p>Dirisa dithusathuto tse di farologanyeng go neela kakanyo go re o dirise jang ditogamaano</p> <p>Dibadisi</p>	<p>Letsatsi 1</p>	

Beke 19 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.4 Tihalosa, bapisa le go rulaganya dipalo	<p>Rulaganya le go bapisa didiriswa tse di kgobokantsweng go fitlha ka 4, o dirisa “ntsi go”, nnye go le lekana le”</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o baya didiriswa tse di farologaneng mo godimo ga tafole sekao dikerayone tse 2, diboloko tse 4 tse di tshwanang, dithini tse 3, dibuka tse 2 <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Bala dipalo ya dikerayone le meteme/dithini. A go na le dikerayone tse dintsi go feta meteme/dithini? - Bala dipalo ya diboloko le dibuka. A go na le diboloko tse dinnye go na le dibuka? A go na le diboloko tse dintsi go feta dibuka? - Bala dibuka le dikerayone. A go na le dipalo e e lekanang ya didiriswa kgotisa nnyaa? 	Dikerayone, diboloko, dithini, dibuka.	Letsatsi 1
3.3 Dipopegotekano tihakorepedi (2-D)	<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Letlelela barutwana go dula mo mmetsheng le go ba neela ka dibadisi - Morutwana mongwe le mongwe ba tshwanetse go nna le dipalo ya Dibadisi tse di farologaneng. - Letlelela barutwana go baya dibadisi fa pele ga bone. Morutabana o botsa barutwana: <ul style="list-style-type: none"> o Ke mang yo o nang le dibadisi tse dintsi thata? o Ke mang yo o nang le dibadisi tse di nnye? o K e barutwana bafe ba ba nang le dipalo ya Dibadisi tse di lekanang? <p>Dira le go feleletsa phasele ya gagwe ya dikarolwana tse 4 (Tsenyeletsa botsweretshi jwa pono)</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Thala setshwantsho mo lethare la pampiri ya A4. - Morutabana o thala mela mo morago ga setshwantsho sa morutwana. - Morutwana o segolola setshwantsho mo meleng e e theilweng - Morutwana o feletsar/aga malea ya gagwe. 	Dibadisi Morutabana o naya morutwana mongwe le mongwe palo e farologneng ya Dibadisi tse di fitlhang ka 4	Letsatsi 1
			Ditshwantsho tsa barutwana

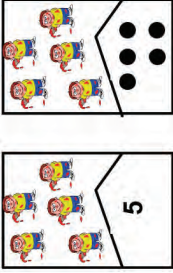

<p>Beke 19 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>
<p>4.1 Nako</p> <ul style="list-style-type: none"> • Godisa temoso ya se se diragalang fa gare ga nako ya ja bosigo le nako ya go robala (Tsenyeletsisa setlhogo ka ga tshimologo ya kitso mo serutweng sa dikgono tsa Letlelela barutwana go : <ul style="list-style-type: none"> - tlotla ka ga se ba se dirang fa ba sena go ja dijo tsa bosigo. - tlotla ka ga se se diragalang fa morago ga nako ya go ja dijo tsa bosigo. <p>Morutabana o botsa:</p> <ul style="list-style-type: none"> - "A o tla sekolong mo mesong kgotsa mo bosigong?" - Fa o tsena kwa sekolong fa tshipi e sena go lela, a o tla bo o le thari kgotsa o fithile ka nako? - Letsatsi le kae bosigo?" 	<p>Ditshwantsho tse di supetsang se se diragalang go tloga ka nako ya dijo tsa bosigo go fitha ka nako ya go robala</p> 	<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p>
<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanofihakorepedi (2-D)</p> <ul style="list-style-type: none"> - Barutwana ba thala setshwantsho go supetsa tiragalo ka fa morago ga go ja dijo tsa bosigo. - O neela ka malea tse di bontshang tatelano ya ditiragalo kgotsa ditirwana. 	<p>Pampiri le dikerayone</p>	

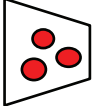


BEKE 20 Diteng tsa serutwa	Dirisa beke 20 go tsema mo bokoeng jwa dikgopolo kgotsa tthaola dikgoreletsi mo go ithuteng.	Mokgwa wa go Lekanyetsa
Dipalo, Ditiriso/ diopereshene le Kamano	<p>Ditlhogo</p> <p>1.1</p> <p>Go balela</p>	<p>Lekanyetsa go balela kwa godimoo ipoeletsa go fitlha go 7 (dipalopina, moribo o o tsenyeletsang go aga dipalokakanyo)</p> <p>Balela kwa morago le kwa pele (1-4)</p> <p>Tlhaloganya dikakanyo bontsi le bongwe” (o betsaganya diatla)</p> <p>Lemoga dipalo mo tirisong e e tlwaelegileng sekao, palo ya ntl, aterese le rejisetara</p> <p>Tlhaola dipalotshwantsho le dikarata tsekedimo tsa dinkgolokwe</p> <p>Itse matshwao a 1, 2, 3, 4</p> <p>Lemoga dipalofoko pedi, tharo, nne</p> <p>Tlhaloganya tsamaelano ya bongwe ka bongwe (Bathusi ba Motlotlo ka nako ya go ikhutsa)</p> <p>Tlhaola magareng ga bontsi, bonnye le lekana le ennye go 4</p> <p>Lemoga pharologano mo tšhelete ya tshipi a Aferika Borwa</p>
Dipaterone le Tiragatso	<p>1.6</p> <p>Tharabololo ya dipalo tsa mararaane</p> <p>1.7 le 1.13</p> <p>Tlhakanyo le tloso</p> <p>2.1.</p> <p>Dipaterone tsa jeometeri</p>	<p>Dirisa dididriswa tse di ka kgonngwang</p> <p>Tlhalosa gore go inanela ka mafoko ka ditshwantsho le dilo tsee di ka kgonngwang</p> <p>Ka molomo rarabolola dipalo tsa go tlhakanya le go tloso go fitlha 4</p> <p>Kopolola, godisa le go bopa dipaterone tsa gago (dilo, dipopego le tšhelete a tshipi)</p>

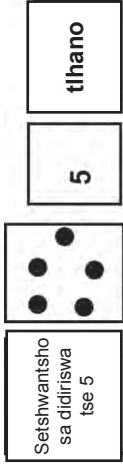
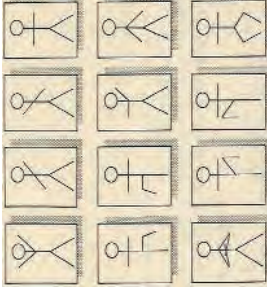
BEKE 20		Dirisa beke 20 go tsema mo bokoeng jwa dikgopolo kgotsa tthaola dikgoreletsi mo go ithuteng.	
Diteng tsa serutwa	Ditlhogo	Mokgwa wa go Lekanyetsa	
Boalo le Popego(jeometeri)	3.1 Maemo, kitsiso le dipono	Tthaloganyana kemo ya dididriswa tse pedi kgotsa go amana le morutwana ka: Godimo ga fa tlase	
	3.3 Tekanotlhakorepedi (2-D) ya dipopego	Aga bonnye dikarolwana tse 12 tsa malea Supetsa bokgoni jwa go farologatosa magareng gam o" (lekanyetsa gape) Lemoga, tthaola o neele dikhutlotharo maina bopa tikologo Tthaloganyana go sa fetogeng ga dikhutlotharo (bopa tikologo)	
	3.2 Tekanotlhakoretharo (3-D) ya dididriswa	Bapisa gore ke dilo dife tse di neetsweng tse padi tse di leng telele, teletelele, khutshwane, khutshwakhutshwane Tthaola dilo mo teng Bogolo, bolelele le bokhutshwane Mebala, - (khibidu, serolwane, botata jwa legodimo, le botata jwa tlhago) Dipopego Aga ka diboloko tse agang Lemoga mola wa bogare mo tikologong ya gago. O kgona go kgabaganya molagare	
Tekanyo	4.1 Nako	Tthaloganyana matsatsi a beke, dintlha tsa ngwaga, karata tsekedimo ya tsa bosa. (dipuo le moribolekanyetsa gape) Itse matsatsi a a bona a botsalo (lekanyetsa gae) Farologanya magareng ga telele, kkhutshwane, bokhutshwane (karata tsekedimo ya bogodimo)	
Tshedimosetso	4.2 Boleele 5.1 Kgobokanya le tthaola dididriswa. 5.2 Kemedi le dididriswa tse di tthaotsweng 5.3 Buisana le dira pego ka kgobokanyo yadidriswa tse di tthaotsweng.	O kgona go kgobokanya, tthaola, thala, bala le go anela (lokolola) dilo go ya ka dilo	

KGWEDI-THARO 3 DIPALO MOPHATO WA R			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)			
Beke 21 Kitsiso	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo			Letsatsi 1
1.1 Bala didiriswa	<ul style="list-style-type: none"> Itsise bokao jwa palo 5 <p>Motlotlo: Bala didiriswa go fitiha ka 5 letsatsi le letsatsi. Balela kwa pele le kwa morago go fitiha ka 5. Balela kwa godimo o ipoeleisa 1-10</p> <p>Gatelela go bala palokemotatelano: Morutabana o pakolola didiriswa tse 3 mo moleng. O supa sediriswa santha, sabobedi, saboraro.</p> <p>Gatelela kgopolo ka ga "bontsi" le "bonnye" Opa diatla gantsi.....EMA. Opa diatla go gonye. Morutabana o opa diatla go fitiha ka 5 Botsa gore o opile diatla gantsi/gannye.</p>	<p>Dipina tsa dipalo le diraeme</p> <p>Diraeme tsa go bala le dipina sekao "Ditshwene tse tihano di tlola mo beteng".</p> <p>Didiriswa tse 3</p>	
	<p>Metshameko ya go dirisa mmele</p> <p>Rotloetsa barutwana go utolola palo ya 5 ka go:</p> <ul style="list-style-type: none"> - Opa diatla ga 5. - Batlisa gore ke barutwana ba le kae mo phaposing ba ba dingwaga di le 5. 		

Beke 21 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)		Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	
<p>1.16 Dipalo tsa tlhogo</p> <ul style="list-style-type: none"> - Morutabana o opa diatia ka moretho le tshwantshisa dipalo palo 5 ka bonywa sekao barutwana ba ntshe Dibadisi tse di lekanang le 5 le go di supetsa. - Barutwana ba pakolola Dibadisi tse 5, ba di baya mo moleng le go di bala - Morutabana o botsa: - Ke dipalo efe e tlang pele ga 5? - Ke dipalo efe e tlang morago ga 4? - Fa o na le diapole di le 5, o naya yo mongwe diapole tse 2.O setse ka diapole di le kae? - Supetsa menwana e le 5. - O na le menwana e le kae mo leotong le le 1? <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo(3-D)</p> <ul style="list-style-type: none"> - Barutwana ba godisa bokaopalo ka go: - Dira dipalo 5 ka seloko ya go tshameka. - Sela mathare a le 5. - Bala didiriswa le go di golaganya le Dibadisi. - Godisa temoso ya tshomarelo ya dipalo ka go Letelela barutwana go pakolola Dibadisi di le tlhano kgotsa didiriswa ka tsela tse di farologaneng sekao 	<p>Dipalo tsa tlhogo</p> <ul style="list-style-type: none"> - Morutabana o opa diatia ka moretho le tshwantshisa dipalo palo 5 ka bonywa sekao barutwana ba ntshe Dibadisi tse di lekanang le 5 le go di supetsa. - Barutwana ba pakolola Dibadisi tse 5, ba di baya mo moleng le go di bala - Morutabana o botsa: - Ke dipalo efe e tlang pele ga 5? - Ke dipalo efe e tlang morago ga 4? - Fa o na le diapole di le 5, o naya yo mongwe diapole tse 2.O setse ka diapole di le kae? - Supetsa menwana e le 5. - O na le menwana e le kae mo leotong le le 1? <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo(3-D)</p> <ul style="list-style-type: none"> - Barutwana ba godisa bokaopalo ka go: - Dira dipalo 5 ka seloko ya go tshameka. - Sela mathare a le 5. - Bala didiriswa le go di golaganya le Dibadisi. - Godisa temoso ya tshomarelo ya dipalo ka go Letelela barutwana go pakolola Dibadisi di le tlhano kgotsa didiriswa ka tsela tse di farologaneng sekao  <p>Fa ba bala dipalo ya Dibadisi, dipalo ga e amiwe ke bogolo jwa didiriswa.kgotsa maemo kgotsa e le mofuta o le mongwe sekao</p> <ul style="list-style-type: none"> - Rulaganya ditlama di le 5, dipensele di le 5, dihula hupu di le 5,barutwana ba le 5 jalo jalo. - Di bale ka thulaganyo e e farologaneng sekao di bale di adilwe, di bapile, mo moleng kgotsa di pakilwe. 	<p>Dibadisi mo setshelong</p> <p>Seloko ya go tshameka Mathare</p>	

Beke 21 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo			Letsatsi 1
1.4 Tlhaolisa, bapisa le go rulaganya dipalo	<p>Godisa kgopolo le go rotloetsa barutwana go gopola dipalo ya ntlo, aterese le dipalo ya mogala</p> <p>Tshameka motshameko o tshwana le:</p> <ul style="list-style-type: none"> - Morutabana o Motlotlo dipalo ya ntlo, aterese kgotsa dipalo ya mogala ya morutwana. Dipalo ya morutwana kgotsa aterese e e tsamaisanang o a araba. - Fa o feleleisa lenaneotseno, morutabana a ka botsa dipotso tsa go tshwana le "a morutwana wa dipalo ya mogala 435-6256 o teng gompieno?" "Amorutwana yo o dulang kwa Mandela Drive 123 o teng gompieno?" - Barutwana ba dirisa karata tsekedimo ya letshwaopalo go paka dipalo ya bone ya ntlo kgotsa dipalo ya mogala ka tatelano, le fa ba sa kgone. - Diragatsa puisanpo mo mogaleng ka go tshameka motshameko. Barutwana ba leleisa mongwe yo o kgethegileng mogala. <p>Tsenyeleisa botsweretshi jwa tiragatso ya serutwa sa dikgono tsa botshelo</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Dipalo ya mogala e tshwanetse go nna dipalo ya motsadi kgotsa mothokomedi le dipalo ya mogala wa lotheke.</p> <p>Lenaneo tseno</p> <p>Karata tsekedimo ya lethwaopalo kgotsa khateboto e tonna ya matshwaopalo</p> <p>Tshameka motshameko wa mogala</p>	
Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanofihakorepedi (2-D)	<p>Morutabana o supetsa barutwana:</p> <ul style="list-style-type: none"> - Phasalatso e e farologaneng mo ba ka bonang palo 5 sekao karata tsekedimo ya matsalo, kuranta, folayara jalo jalo - Karata tsekedimo ka marontho a le 5 le karata tsekedimo ka ditshwantsho di le 5 - A ba golaganye karata tsekedimo ya setshwantsho le karata tsekedimo ya marontho le dipalo ya Dibadisi kgotsa didiriswa - Dirisa diphasele tsa dipalo tse di akaretsang palo 5 sekao. 	<p>Dikarata tsekedimo tsa matsalo</p> <p>Kuranta, dimakasine</p> <p>Karata tsekedimo ya marontho a le 5</p> <p>Karata tsekedimo ya ditshwantsho tse 5</p> <p>Didiriswa</p> <p>Dibadisi</p>	<p>Setshwantsho sa didiriswa tse 5</p>  

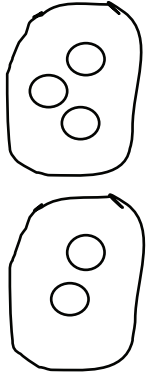
Beke 21 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
Setlhogo	1.3 Itse letshwaopalo le go lemoga leinapalo le go lemoga leinapalo	<p>Itse letshwaopalo le go lemoga leinapalo le le akaretsang 5</p> <p>Motlotlo:Bala didiriswa go fitlha ka 5 letsatsi le letsatsi Balela kwa pele le kwa morago go fitlha ka 5 Balela kwa godimo a ipoeletsa 1-10</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Letlelela barutwana go dula mo sedikong. - Naya barutwana dipalo go ya ka paterone 1, 2, 3, 4, 5. 1, 2, 3, 4, 5. - Botsa dipotso di tshwana le “ ke mang o tla be e le dipalo ya bo5?”Ke mang yo o tla be e le dipalo ya bo 4? - O rarabolotse jang dipalo tse? - (Barutwana ba rarabolola palo ka tsela ya go diragatsa ba bonelapele dipalo e e latelang ka go balela kwa pele) 	Dipina tsa dipalo le diraeme	<p>Dirisa dikgonngwa ka go ruta ka ga didiriswa tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Dirisa dikarata tsekedimo tsa phopholetso tsa dipalo tse di akaretsang 1 go fitlha ka 5. - Barutwana ba tswala matho a bone le go phopholetsa dipalo ya 5 ba dirisa menwana fa gare ga matshwaopalo. <p>Naya morutwana mongwe le mongwe dibadisi di le 5 le dikopi tse pedi tsa dipolasitiki kgotsa ditshegetsi tse pedi tsa mae</p> <ul style="list-style-type: none"> - botsa barutwana: O kgona go rulaganya dibadisi ga kae ka tsela tse di farologaneng mo teng ga ditshegetsi? <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p style="text-align: center;">kgotsa jalo jalo</p>

<p>Beke 21 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p> <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) Letlelela barutwana go: - Supa karata tsekedimo e e nang le ditshwantsho di le 5 mo go yona. - Supa karata tsekedimo ya marontho a 5 mo go yona. - Supa letshwaopalo 5 gongwe le gongwe mo phaposing. - Supa letshwaopalo mo karateng. Lemoga leinapalo mo karateng. - Golaganya dipalo ya dibadisi le leinapalo le letshwaopalo ka go paka dibadisi mo godimo ga setshwantsho le karata tsekedimo ya lerontho.</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Dikarata tsekedimo ka ditshwantsho, marontho, letshwaopalo le leinapalo Dibadisi tse 5</p> 
<p>3.4 Tekano</p>	<p>• Gatelela mola wa kgolagano mo go wena ka go diragatsa tiro e rotloetsang go kgaoganngwa ga mola wa bogare Metshameko ya go dirisa mmele Letlelela barutwana go:: - Tshameka motshameko wa go latela moeteledipele, mo barutwana ba kopisang maemo go tsa mo karateng. - Tshameka motshameko wa go latela moeteledipele mo morutabana o supetsang maemo mme barutwana ba kopisa (akaretsa tiragatso mo barutwana ba supetsang kgaogano ya mola sekao ama lengwele la moja ka letsogo la molema) - Tshameka motshameko wa go latela moeteledipele mo morutwana a supetsang maemo, mme ba bangwe ba kopisa - Morutabana o supetsa motlolele wa naleli "star jumps" le barutwana ba rotloediwa go diragatsa tiro e e tshwanang.</p> <p>Dirisa dikgonwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) Letlelela barutwana go: - Baya kgetsana ya dinawa mo molemeng, mojang, mo pele le kwa morago ga mmele wa gagwe. - Dirisa letsogo la gagwe la molema le go baya kgetsana ya dinawa mo lethakoreng la mmele wa gagwe wa moja. - Otlolola letsogo go kgabaganya mola wa gare. - Boeletsa tiro ka letsogo la moja. Tsenyeletsa tirwana ya thuto ya katiso ya mmele ya serutwa sa Dikgono tsa botshelo.</p>	<p>Letsatsi 1</p> <p>Morago ga moo morutabana o diragatsa ka tswetso ka nako ya go tshameka o golosegile le ka nako ya ditirwana tsa ikatiso ya mmele</p> 




























Beke 21 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
Setlhogo 4.2 Boleele	<p>Dintlha tsa tihaloso</p> <p>Fopholetsa le go lekanya boleele jwa didirswa tse di farologaneng o dirisa maoto, diatla, karolo ya thudi, ditoko jalo jalo.</p> <p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Bapisa boleele jwa maoto le diatla a bone. - Barutwana ba fopholetsa gore ke sediriswa sefe se se telele le gore ke sefe se se khutshwane ka go di lekanya ka maoto kgotsa diatla sekao tafole kgotsa karolo ya peipe e e nosetsang go tswa kwa gae. - Fopholetsa gore ke sediriswa sefe se se telele sekao tsela ya maoto kgotsa mola wa ditena. - Letlelela barutwana go fopholetsa gore ke efe e e leng telele sekao phaposi kgotsa phaposi ya barutabana ya go ikhutsa? - Botsa potso e tshwana le : Ke efe e e telelenyana/telele thata pensile kgotsa karolo ya thudi jalo jalo 	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Didirswa tsa boleele jo bo farologaneng, tse di ka lekantshiwang ka letsogo kgotsa ka leoto sekao rulara, tafole, kgoro, mola wa ditena, phaposi, laaborari jalo jalo.</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p>	

Beke 22 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso		
1.1 Bala didiriswa	<p>• Gatelela kitso e e amogetsweng e akaretsang palo 5</p> <p>Motlotlo : Bala didiriswa go fitlha ka 5 letsatsi le letsatsi</p> <p>Balele kwa pele le kwa morago go fitlha ka 5</p> <p>Balele kwa godimo ba ipoeletsa 1-10</p> <p>Gatelela dikgopolo ka ga “bontsi” le “bonnye”.</p> <p>Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonye. Morutabana o opa diatla go fitlha ka 5</p> <p>Botsa gore o opile diatla gantsi/gannye.</p> <p>Metsameko ya go dirisa mmele</p> <p>Rotloetsa barutwana go utolola palo 5 ka go:</p> <ul style="list-style-type: none"> - Bontsha menwana e le 5 mo moyeng. - Batla didiriswa tse 5 tse di khibidu, botala jwa loapi, serolwana, mmala o tala. - Batla didiriswa tse 5 tse di tshwanang le sediko, khutlonne, khutlotharo. <p>Dirisa dikgongwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D)</p> <p>Letlelela barutwana go godisa bokaopalo ka go:</p> <ul style="list-style-type: none"> - Latela dibuka tse 5 mo sekhutlwaneng sa dibuka. - Aga terio ka tlhakorentsi e e nang le difatlhego di le thataro tse di tshwanang, difatlhego tsothe di khutlo-nne tsepa (cube) di le 5 kgotsa diboloko tsa go aga.. 	<p>Dipina tsa dipalo le diraeme</p> <p>sekao. Diraeme tsa go bala le dipina sekao</p> <p>“1,2,3,4,5 once I caught a fish alive”</p> <p>Dibadisi</p> <p>dibuka</p> <p>Diboloko tsa go aga kgotsa tlhakore nitsi e e nang le difatlhego di le thataro tse di tshwanang, difatlhego di khutlo-nne tsepa (cube)</p> <p>Diboloko tsa go aga</p>	Letsatsi 1

Beke 22 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.7 Tlhakanyo le Tloso</p> <p>Rarabolola dipalo tsa mafoko ka go Motlotlo (dipalo tsa kganghutswe) le go tihalosa ditharabololo tsa bone tse di akaretsang palo</p> <p>Metshameko ya go dirisa mmele:</p> <ul style="list-style-type: none"> - BiletsLetlelela barutwana go : le 5 kwa pele. Kgaoganyana ditulo tse 5 magareng ga bone. - Tloso setilo se sengwe.Jaanong kgaoganyana ditulo fa gare gLetlelela barutwana go : le tlhano.Murutwana a le mongwe o sala kwa ntle ga setilo. - Simolola ka 5.Balela kwa morago. Simolola ka 3.Bala go fitlha ka 5.Simolola ka 1.Bala go fitlha ka 4 jal jalo. <p>Dirisa dikgonngwa ka go ruta ka ga didiriswa tsa tekantlhakoretharo (3-D)</p> <p>Dikai:</p> <ol style="list-style-type: none"> 1. Supetsa monwana o le 1 mo seatleng se le sengwe le menwana e le 4 mo seatleng se sengwe. Go na le menwana e le kae yotlhe? 2. Sam o na le dibisikiti di le 4. Mpho o mo naya bisikiti e le 1 gape. Sam o na le dibisikiti di le kae tsothe? 3. Tiny o na le maje a le 5 o naya Mia maje othe a le 5.Mia o na le maje a le kae? 4. Jan o na le dimabole di le 5, o latlhegelwa ke tse 2. O na le dimabole di kae tse di setseng? 5. Katse e le nngwe e na le ditsebe di le pedi,dikatse tse pedi di na le ditsebe di le kae? 6. Pina, "Mabotole a mathano a botala jwa loapi a akgeilwe mo leboteng a felela ka 0" (Supa gore dibotlo di a fokotsega) 	<p>Dibadisi Dimabole Pina</p>	<p>Letsatsi 1</p>	

<p>Beke 22 Kitsiso</p>	<p>Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>		<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Letsatsi 1</p>
<p>1.4 Tihalosa , bapisa , le Thulaganyo ya dipalo</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> Bapisa gore ke didiriswa dife tse pedi tse di kgobokantsweng tse di ntsi go, nnye go,lekana le go fitlha ka palo 5 Motlotlo: Bala didiriswa go fitlha ka 5 letsatsi le lestatsi Balela kwa pele le kwa morago go fitlha ka 5 Balela kwa godimo o ipoeletsa 1-10 Gatelela dikgopolo ka ga “bontsi” le “bonnye”. Opa diatla gantsi.....EMA. Opa diatla go gonye. Morutabana o opa diatla go fitlha ka 5 Botsa gore o opile diatla gantsi/gannye Metshameko ya go dirisa mmele <ul style="list-style-type: none"> Murutabana o baya didiriswa tse di farologaneng mo godimo ga tafole sekao dibikiri tse 2, diboloko tse 5 tse di tshwanang, dithini tse 4, dibuka tse 2. Letlelela nbarutwana go: <ul style="list-style-type: none"> Bala dipalo ya dibikiri le dithini.a go na le dibikiri dikle dintsi go feta dithini? Bala dipalo ya diboloko le dibuka. A go na le dibuka tse dinnye go na le diboloko?A go na le diboloko tse dintsi go feta dibuka? Bala dibuka le dibikiri.A ke didiriswa tse di lekanang kgotsa nyaa? 	<p>Dipina tsa dipalo le diraeme</p> <p>Dibekere tse 2, diboloko tse di tshwanang tse 5,meteme/dithini tse 4 ,dibuka tse 2</p> <p>Murutwana mongwe le mongwe o newa dikarolo tse pedi tsa ulu le dabadisi tse 6</p>	<p>Letsatsi 1</p>
			

Beke 22 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
Setlhogo	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1
2.1 Dipaterone tsa jeometeri	<p>2.1</p> <p>Dipaterone tsa jeometeri</p> <ul style="list-style-type: none"> - Gatelela go kopisiwa ga paterone e e neetsweng Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Dira ka dithopha o kopise paterone e e neetsweng sekao setilo,morutwana,setilo,moru twana. - Barutwana ba babedi,setilo se le sengwe,barutwana ba le babedi, setilo se le sengwe. - Itaya leoto le le lengwe, itaya le lengwe, tlolela kwa pele,tlolela kwa morago. - Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) - Morutabana o bopa paterone a dirisa Dibadisi le dikhurumelo tsa dibotlolo sekao Dibadisi, sekhurumelo sa botlolo. Barutwana ba kopisa paterone. - Tsamya ka bonya,ka bonya, ka bonya, ka bonako,(Morutabana o Motloto a ntse a tsamaya). Barutwana ba kopisa paterone. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Kgaoganya barutwana ka dithopha di le tshano.Naya sethlopha sengwe le sengwe ditshwantsho go dira dipaterone. - Barutwana ba bopa paterone ka ditshwantsho ba dirisa ditshwantsho tse di neetsweng sekao <ul style="list-style-type: none"> o Namune,apole,apole,namune. o Dirurubele,dirurubele,dinotsho,dinotsho. <p>Tirwana e, e ka tsenyelediwa mo botsweretshing jwa pono mo serutweng sa dikgono tsa botshelo.</p>	Dintlha tsa tihaloso	<p>Barutwana ditilo</p> <p>Dibadisi Dikhurumelo tsa dibotlolo</p> <p>Setshwantsho sengwe le sengwe se se leng teng Gatisa ditshwantsho go netefatsa gore go na le ditshwantsho tse di lekaneng.</p>	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1

Beke 22 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng									
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng									
3.3 Dipopegotekano tihakorepedi (2-D)	<p>Gatelela kitso e amogetswe mo bekeng ya bo6 e akaretsang khutlonne</p> <ul style="list-style-type: none"> Tsanyeletsa thuto ya ikatiso ya mmele mo serutweng sa dikgono tsa botshelo Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Thala khutlonne mo lifelong la go tshameka le go letlelela barutwana go tlola mo khutlonneg. lelhakoreng le lengwe, matlhakore a mabedi, matlhakore a mararo, matlhakore a mane-matlhakore otlhe a tshwana” - Letlelela barutwana go robatsa ditlhago go bapa le menwana ya morutwana ya barutwana, ba robala mo bojannyeng/fatshe/mmetsheng go bopa khutlonne e tonna - Letlelela ditlhapha tsa barutwana go robala mo mmetsheng le go bopa dikhutlonne tse di nnye <p>Dirisa dikgonngwa go ruta ka ga didiriswa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Motshameko: Morutabana o thala gerete mo lefelong la motshameko. - Baya dipopego tsa tota sekao dipopego tsa Logi kgotsa setshwantsho popego mo bolokong nngwe le nngwe. - Morutabana o bitsa popego.. - Barutwana ba latlhela kgetsana ya dinawa mo bolokong e e tsamaisanang le boloko e e biditsweng <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <p>Barutwana ba farologanye magareng ga bogolo le mmala wa dikhutlonne tse morutabana a di bakaantseng.</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Supa dikhutlonne go ya ka bogolo jo bo farologaneng, ba bue gore ke dikhutlonne dife tse ditonna thata, ke tsefe tse dinnye thata, le gore ke tsefe tse di mo magareng ka bogolo.. - Supa mebala ya dikhutlonne tse di farologaneng. <p>Tlhaola didiriswa go ya ka popego, bogolo le mmala</p> <ul style="list-style-type: none"> - Tlhaola didiriswa tse di farologaneng go ya ka mmala le popego 	<p>Khutlonne fa fatshe</p> <table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> <p>Kgetsana ya dinawa</p> <p>Dikhateboto tse ditonna tse 2 tsa dikhutlonne, e le nngwe e botala jwa loapi le e le nngwe ya mmala o motala.</p> <p>Dikhateboto tse dinnye tse 2 tsa khutlonne, e le nngwe e botala jwa loapi, le e le nngwe ya mmala o motala</p> <p>Dikhateboto tse 2 tsa khutlonne tse dinnye thata, e le nngwe e le botala jwa loapi le e le nngwe ya mmala o motala</p>										Letsatsi 1
												
												
												

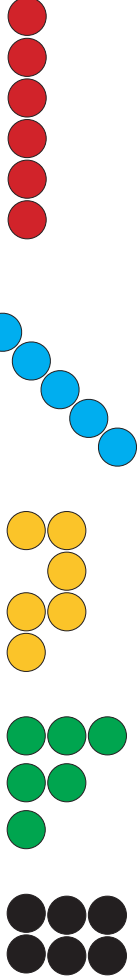
Beke 23	Nako e e tshitshintsweng ya go ruta: Tirwana e le nngwe ya phaposi e baakatsweng e kaelwa ke morutabana (mosako) ± 30 Metsotso ka letsatsi ± 5 metsotso ditirwana tsa dipalo mo bekeng.		
Setlhogo	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitsweng	Sebaka se se lekanyeditsweng
1.1	1.1	<p>Diririswa</p> <ul style="list-style-type: none"> • Tlaleletsa kitso e e ba e amogetseng e e akaretsang dipalo 1 go fitlha go 5 <p>Motlotlo: Bala diilo letsatsi le letsatsi go fitlha go 5.</p> <p>Balela kwa pele le kwa morago go fitlha go 5.</p> <p>Go balela kwa godimo o boeletsa 1-10</p> <p>Tlaleletso ya dikakanyo tsa bontsi le bonnye.</p> <p>Opa diatla gantsi...EAMA .</p> <p>Opa diatla go le gonnye. Morutabana o opa a gwge ga 5</p> <p>Botsa dipotso gore ke palo e kae e e phaphathillweng gantsi \ nnye.</p> <p>Metshameko ya go dirisa mmele</p> <p>Tlaa re tshameke motshameko:</p> <ul style="list-style-type: none"> - Morutabana o tshameka sediriswa. - Barutwana ba dikologa - Fa moropa o ema, morutabana o bitsa palo magarng ga 1 le 15 - Barutwana ba ithulaganya ka ditlhophana sekao, morutabana o bitsa palo 3, barutwana ba ithulaganya le diithotshwana tsa 3 <p>Dirisa ditekatekanyetso tsa dipopego tse tharo (3) tse di kgonngwang</p> <ul style="list-style-type: none"> - Morutabana o baa diloka mmotwana mo godimo ga tafole.letlelela barutwana ba fopholetse gore ke dilo di le kae mo mmotwaneng ole. - Di balele morago ga moo. 	<p>Letsatsi 1</p> <p>Tlhaola ditirwana tse di rileng</p> <p>Didiriswa tse di atlenegisitsweng</p> <p>Moropa</p>

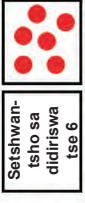

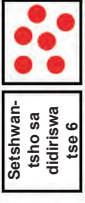

Nako e e tshitshintsweng ya go ruta: Tirwana e le nngwe ya phaposi e baakatsweng e kaelwa ke morutabana (mosako) ± 30 Metsotso ka letsatsi ± 5 metsotso ditirwana tsa dipalo mo bekeng.									
Beke 23	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitsweng	Sebaka se se lekanyeditsweng						
<p>Setlhogo</p> <p>1.6</p> <p>Bothekeniki jwa go rarabolola mathata a dipalo</p>	<p>Dintlha tsa tihaloso</p> <p>A re tshameke motshameko:</p> <p>Morutabana o thala llere ya dipalo fa fatshe mo lebaleng .Dipalo tse di mo llereng di emetse dipalo tsa dintlo tse barutwana ba nngang mo go tsona.</p> <p>Barutabana ba tlhophi barutabana b aba dirisang go balela ka moribo ba nnela taelo:</p> <ul style="list-style-type: none"> - Ka nako tsothe ema mo go lefala(0) kgotisa simolola mo go lefela. Supetsa lefela (0) Supetsa gore lefela (0) le raya eng? (Ga go sepe) gore go boleele sentientle go simolola gongwe 1. - Ka metha bala o tsamaya. - Morutabana o boleele barutwana gore: o mo ntlong ya bo 2, ke ntlo ya palo ya 2?" - Ditaelo tse dingwe e ka nna “ tsamaela go ntlo ya 3, tsamaela morago go ntlo ya dipalo ya 2 : Tsamaela pele kwa ntlong ya dipalo ya 4.” - Morutabana a re: “ke mo ntlong ya 3, ke ntlo efe e tlang morago ga ya me ?” - Tsamaelo go ntlo ya 4. Tsamaya palo e le 1 kwa pele. Tsamaya dipalo tse 2 kwa morago. - Ema mo gare ga ntlo ya palo ya 3 le ya palo ya 5. 	<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> </tr> </table> <p>Moribo wa go bala: 1, 2, 3, 4, 5, Fa ke tshwara thapi 6, 7, 8, 9, 10 Ke e tlogela go tsamaya (tshaba)</p>	0	1	2	3	4	5	
0	1	2	3	4	5				
<p>1.4</p> <p>Tihalosa, bapisa le thulaganyo ya dipalo.</p>	<ul style="list-style-type: none"> • Dirisa tlhano (5) mo tirisong e e tlwaelegileng <p>Gore ba godise thaloganyo ,rotloetsa barutwana go:</p> <ul style="list-style-type: none"> - Go thuba ka tlhogo dipalo tsa mogala tsar re kgotisa mme . - Go ithuta ka tlhogo, aterese ya kwa gae. - Mogala/mogala wa letheke e tshwanetse go boeletswa ka nako ya go bitsa rejiseta ya letsatsi le letsatsi 		Letsatsi 1						
<p>3.2</p> <p>Didiriswa tsa tekatekanotlha-koretharo 3-D</p>	<ul style="list-style-type: none"> • Aga o dirisa dilo tsa ditekanyetso tsa dipopego tse tharo tse di kgonngwang . <p>Letlelela barutwana go: agelelel mgo tswa mo morutabaneng, sekao. O neela ditaelo tse di latelang :</p> <ul style="list-style-type: none"> - Aga terio e enang le boleele jwa ya me. - Aga terio e e nang le bokhutshwane go ya me - Aga torio e e nang le bogodimo go ya me. - Letlelela barutwana go : age dikago tsa bona ka go kopolola mo setshwantshong se se neetsweng. 	<p>Ditena tse di agang/ Lego ditena Didiriswa dingwe tsa go aga.</p>	Letsatsi go tswela						

Nako e e tshitshintsweng ya go ruta: Tirwana e le nngwe ya phaposi e baakatsweng e kaelwa ke morutabana (mosako) ± 30 Metsotso ka letsatsi ± 5 metsotso ditirwana tsa dipalo mo bekeng.			
Beke 23	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitsweng	Sebaka se se lekanyeditsweng
<p>Setlhogo</p> <p>3.1</p> <p>Maemo, kitsiso le dipono</p>	<p>Dintlha tsa tihaloso</p> <p>“Latelelana ditaelo tsa go simolola dipono tsa go ya kwa morago le go ya kwa”</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Ka go simolola, gatelela, kitso e ba e boning mo bekeng ya 8. <p>Go dirisa ditekanyetso tsa dipopego tse tharo tse di kgonngwang</p> <ul style="list-style-type: none"> - Thala tshekeletsaa e kgolo, khutlotharo, kgotsa khutlonne mo letlhare la pampiri o e bee fa fatshe\fulurung. - Letlelela barutwana go: ba tsamaise koloi ya go tshameka mo meleng, barutwana ba go bolelele gore ba tsamaela ntheng efe. Koloi e tsamaela (kwa pele le kwa morago) dirisa letsogo la moja le la molema o dirisa seatla sa molema le moja. 	<p>Thalo tsa dipopego tsa dikarolwana tsa pampiri.</p> <p>Koloi ya go tshameka</p>	<p>Letsatsi 1</p>
	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Letlelela barutwana go: itemogele dipono tsa go ya kwa pele \ kwa morago ka go supetsa nthla mo setshwantshong, seka: nthla e koloi e tsamaelang kwa go yona, nthla e motho a tsamaelang kwa go yone. 	<p>Ditshwantsho tse di supetsang nthla.</p> <p>Sekao.</p> <p>Nthla e koloi e tsamaelang kwa go yona.</p> <p>Nthla e kmotho a tsamaelang tting.</p>	

Nako e e tshitshintsweng ya go ruta: Tirwana e le nngwe ya phaposi e baakatsweng e kaelwa ke morutabana (mosako) ± 30 Metsotso ka letsatsi ± 5 metsotso ditirwana tsa dipalo mo bekeng.		
Beke 23	Dintlha tsa tihaloso	Sebaka se se lekanyeditsweng
Setlhogo	Didiriswa tse di atlenegisitsweng	
<p>4.2 Boleele</p>	<p>Bapisa dikgonngwa le thulaganyo ya didiriswa go dirisiwa titlofoko e maleba go tihalosa boleele</p> <ul style="list-style-type: none"> • Fopholetsa boleele jwa didiriswa tse di fapaaneng. <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Barutwana ba ithulaganya go tswa go yo mongwe go fitlha go yo motelele. Bapisa boleele jwa bona ka boleele jwa ditsala tsa bona. - Tshameka "Sala moeteleipele morago" metshameko. Yo moleele o diragatsa fa ba bangwe fa morago ga me bam o kopisa. - Fetolela mola gape yo mokhutshwane e nne moeteleipele. Barutwana ba bapisa diatla le maoto a bona go bona gore ke a ga mang a matelele le a makhutshwane. <p>Fopholetsa o be o lekanyetse:</p> <ul style="list-style-type: none"> - Barutwana ba fopholetsa gore ke selo se se fe se leele le gore ke se se fe se se sekhutshwane sekao. boleele jwa tafole kgotsa dikarolwana tsa thapo. - Fopholetsa gore ke selo se se feng se se leele le se sekhutshwane sekao ; pensile kgotsa dipensele tsa mafura.. - Tlogela barutwana go iteka gore ke dilo tse dife tse di tla nngang tse di leele go di feta sekao. Matlhaka a senotsididi a 2 a adilwe fa fatshe ka go lekalekana kgotsa dipensele di adilwe ka go lekalekana.. - Botsisa dipotso tse di jaaka :Ke efe e telele\ e telele go di feta, pensile kgotsma karolwana ya thapo ?"jalo, jalo. - Ke tafole ef e leng kgakala kgakala go tswa motafoleng ya barutabana. - Ke dipensele tse kae tse di ka lekanang mo letlhakoreng le le telele le le ka lekanang tafole ya morutabana? - O tlhoka disetepa tse kae tse di ka go isang kwa mojakong - Ke mabokiso a ma kae a mokgwaro , tladiitse ka mmu wa motlhaba? - Ke dikopi di le tsa mae di tletse ka meisi tse di ka tiatsang galase e? - Mo re na le barutwana le ditulo tse tharo. - Ke ditulo tse kae tse re di tlhokang? 	<p>Matsatsi a mabedi (2)</p> <p>kgotsa</p> <p>Tlhophla fela ditirwana tse dinnye.</p> <p>Didiriswa tse di farologaneng jaaka, phensele, pensile tsa mebala, karolwana ya mogala, tafole, buka, matlhaka a go nwa. Jalo jalo.</p>

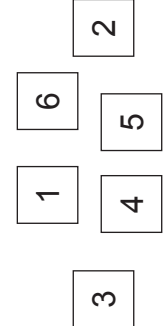
Beke 24 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi I
<p>Setlhogo</p> <p>1.1 Bala didiriswa</p>	<p>Itsise bokao jwa palo 6</p> <p>Motlotlo:Bala didiriswa go fitlha ka 6 letsatsi le letsatsi Balela kwa pele le kwa morago go fitlha ka 6 . Balela kwa godimo o ipoeletsa 1-10</p> <p>Gatelela palokemotelano: Morutabana o paka didiriswa tse 3 mo moleng. Supa sediriswa sengwe le sengwe o ntse o bala ya nthla, ya bobedi, ya boraro Gatelela dikgopolo ka ga "bontsi" le bonnye"</p> <p>Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 6</p> <p>Botsa gore o opile diatla gantsi/gannye</p> <p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Bala go fitlha ka 6 a ntse a palama matlhatlhogo. - Thala palo 6 mo mmung le go tsamaya/tola ka leoto le lengwe. - Opa diatla ga 6. - Lemoga dipalo 1 go fitlha ka 6 tsa sete ya matshwaopalo a matonna. - Pakolola dipalo ya gagwe ya ntlo kgotsa dipalo ya mogala a dirisa karata tsekedimo ya letshwaopalo e tonna. 	<p>Number songs and rhymes.</p> <p>Dira sete ya gago e tonna ya matshwaopalo, tse bana ba kgonang go di tshwara. Ba ka nna ba ithuta dingwaga tsa bone, dipalo ya ntlo kgotsa dipalo ya motsadi ya mogala wa lotheka le tse dingwe tse dintsi. Yona sete ya dipalo tse, e ka dirisiwa go lemoga dipalo le go dip aka ka tatelano.</p>		


<p>Beke 24 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Setlhogo</p>	<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) Bala didiriswa tse di mo phaposing. Letlelela barutwana:</p> <ul style="list-style-type: none"> - Botsa dipotso tse di tshwanang le:“ - Ke dipalo efe e e latelang morago ga tharo, ke dipalo efe e e tlang ka fa morago ga 5 jalo jalo?” - Morutabana o baya didiriswa mo thotong e e mo tafoleng. Letlelela barutwana go: fopholetse gore didiriswa tse di mo thotong e e mo tafoleng di kae. Morago o di bale. - Godisa temogo ya tshomarelo ya dipalo ka go letlelela barutwana go paka Dibadisi di le thataro kgotsa didiriswa tse di farologaneng sekao 		<p>Didirisa mo phaposing le mo tikologong.</p> <p>Dirisa dithusa-thuto tse di farologaneng go go naya dikakanyo gore o dirisa jang ditogamaano tse di farologaneng.</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Beke 24 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>



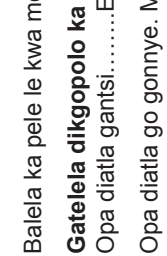
<p>Beke 24 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Letsatsi 1</p>
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dipina tsa dipalo le diraeme</p>	<p>Didiriswa tse 6</p>	<p>Didiriswa tse 6</p>
<p>1.3 Matshwapalo le dipaloina</p>	<p>Itse letshwaopalo le go lemoga leinapalo le le akaretsang palo 6 Motlotlo: Bala didiriswa go fitlha ka 6 letsatsi le letsatsi. Balela kwa pele le kwa morago go fitlha ka 6. Gatelela dikgopolo ka ga “bontsi le bonnye”. Opa diatla gantsi.....EMA. Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 6 Botsa gore o opile diatla gantsi/gannye</p> <p>Metsameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Thala dipalo 6 mo mmung le go Letlelela barutwana go tsamaya go bapa le dipalo. - Thala dipalo 6 mo mmung, mo moyeng. - Bopa dipalo 6 ka seloko ya go tshameka. - Letlelela barutwana go bonelapele gore go tihokagala a le kae go bopa dipalo 6 ka mebele ya bone. Ba bopa 6 ka mebele ya bone. <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Baya thoto ya didiriswa mo godimo ga tafole. Tshameka ka dipalo 1 go fitlha ka 6 sekao. - Letlelela barutwana go phopholetsa gore go na le didiriswa di le kae?. - Bala didiriswa.. 	<p>Setshwantsho le karata tsekedimo ya marontho a akaretsang dipalo 6 sekao.</p>  <p>Dibadisi kgotsa didiriswa tsa tekanothakoretharo(3-D)</p> 	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Supa go tswa mo tihakathakanong ya dikarata tsekedimo, dikarata tsekedimo tse di nang le ditshwantsho di le 6 mo go tsona le go di golaganya le dipalo e e tshwanang ya Dibadisi. - Supetsa dikarata tsekedimo tsa ditshwantsho tse 6 le go di golaganya le dipalo e e tshwanang ya marontho le Dibadisi. - Supetsa dikarata tsekedimo tsa marontho a 6 le go di golaganya le letshwaopalo le dipalo e e tshwanang ya Dibadisi. - Supa go tswa mo dikarateng tse di farologaneng tse di kwadiiweng leinapalo thataro mo go tsona le go di golaganya le letshwaopalo le dipalo e e tshwanang ya Dibadisi. 	<p>Setshwantsho le karata tsekedimo ya marontho a akaretsang dipalo 6 sekao.</p>  <p>Dibadisi kgotsa didiriswa tsa tekanothakoretharo(3-D)</p> 

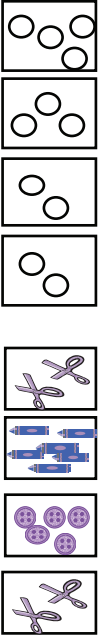
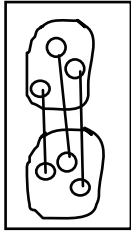
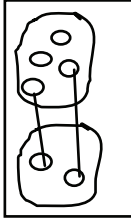
Beke 24 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-ithuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.13 Tlhakanyo le Tloso	<p>• Rarabolola ka go Motlotlo dipalo tse di neetsweng tsa go tlhkanya le go tlosa dipalo tsa dikarabo tse di fithang ka 6.</p> <p>Motlotlo: Bala didiriswa go fitha ka 6 letsatsi le letsatsi. Balela kwa pele le kwa morago go fitha ka 6. Botsa potso gore ke dipalo efeng ya kopo ya diatla e e leng ntsi/hnnye.</p> <p>Metshameko ya go dirisa mmele</p> <p>Dikao:</p> <ol style="list-style-type: none"> 1. Morutabana o biletse Letlelela barutwana go: le 3 kwa pele. Barutwana ba ba a ba bala. Morutabana o bitsa gape ba le 2 le go botsa: barutwana botha ba ba kae?" 3 le 2→5 (morutabana a re 3 le 2 e go naya 5) 2. Morutabana o pakolola ditulo tse 2.O oketsa ka tse 2.Go na le ditulo tse kae jaanong? 2 le 2 → 4 3. Morutabana o tsholetsa seatla se le sengwe. A re"bala menwana ya me, fa ke shuba monwana wa kgonope, o bona menwana e le kae? 5 o tlosa 1 →4. 4. Letlelela barutwana go bala menwana ya seatla sa bone se le sengwe. Shuba monwana wa kgonope. O bona menwana e le kae? 5 o tlosa 1 →4 the learners count the fingers on one of their hands. Hide your thumb; how many fingers do you see? 5 take away 1 → 4 	<p>Dipina tsa dipalo le diraeme.</p> <p>Barutwana Ditulo</p>	Boleele jwa nako jo bo lekanyeditsweng
	<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo(3-D)</p> <p>LetleleleLetlelela barutwana go : pakolole diadisi le go dira se se latelang:</p> <ul style="list-style-type: none"> - Morutabana o naya morutwana mongwe le mongwe Dibadisi di le 6. - Morutabana o naya ditaello mme barutwana ba araba sekao pakolola dibadisi di le 2, oketsa ka tse 3. - Di kae tsothe? 2 le 3 → 5. - Bala dibadisi tse 4, balela kwa pele ka tse 2 go tloga ka 4. O na le tse kae jaanong? 4 and 2 → 6. - Bala dibaga tsothe tse o nang le tsona. Fa o fitha dibaga tse pedi mo seatleng sa gago, o bona dibaga di le kae? 6 tlosa 2 → 4. 	Dibaga kgotsa Dibadisi.	

Beke 24 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso		
1.13. Tlhakanyo le Tloso	<ul style="list-style-type: none"> Rarabolola ka motlotlo dipalo tsa mafoko tse di akaretsang palo 6 <p>Motlotlo: Bala didiriswa go fitlha ka 6 letsatsi le letsatsi. Balela kwa pele le kwa morago go fitlha ka 6. Gatelela dikgopolo "bontsi le bonnye". Opa diatla gantsi.....EMA. Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 6 Botsa gore o opile diatla gantsi/gannye</p>	Dipina tsa dipalo le diraeme	Letsatsi 1
3.2 Didiriswa tsa tekanotlhakoretharo 3-D	<p>Dirisa dikgonngwa tsa go ruta ka ga didiriswa tsa tekanotlhakoretharo (3-D)</p> <p>Dikai:</p> <ol style="list-style-type: none"> Mpho o na le dikuku di le 4 .Peter o mo naya gape tse 2. Mpho na le dikuku di le kae tsothe? Beauty o na le dipopisi di le 3 le Martha o na le tse 2 dipopisi. Ke mangy o o nang le dipopisi tse dintsi? Tsa ga Beauty di feta tsa ga Martha ka tse kae? Go na le dinonyane tse 5 mo terateng,tse 2 di afoka.Go setse dinonyane tse kae? Patrick o na le dikoloi tse 6 tsa go tshameka. Tiny o na le tse 4. Tiny o na le dikoloi tsa go tshameka tse kae? Tiny o na le dikoloi tsa go tshameka tse dinnye tse kae go na le Patrick? Ngwana yo mongwe o na le nko e le nngwe. Bana ba bararo ba na le----- Ngwana yo mongwe o na le maoto a mabedi.Bana ba bararo ba na le..... Ngwana yo mongwe o na le diatla a le mabedi.Bana ba babedi ba na le..... Ngwana yo mongwe o na le molomo o le mongwe.Bana ba bararo na le..... <p>• Aga kago ya tekanotlhakoretharo (3-D) go tswa mo moakanyetsong kgotisa mo karateng ya setshwantsho Letlelela barutwana: - Aga kago go tswa mo moakanyetsong kgotisa setshwantshong. - Barutwana ba dirisa thudi go somela dibaga go ya ka tatelano ya setshwantsho se se neetsweng.</p>	Dibadisi Dirisa dithusa-thuto tse di farologaneng go go naya kakanyo ya gore o dirisa jang ditogamaanao tse di farologaneng.	"Dipopego tsa Logi"Diboloko tsa bokgoni Sediriswa sengwe le sengwe sa go aga Dibaga,thudi ya sethako Dikarata tsekedimo tse di farologaneng tse di supetsang mothalo wa tatelano ya dibaga

Beke 25 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng
<p>1.1 Bala didiriswa.</p> <p>1.1 Bala didiriswa.</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> Gatelela kitso e eamogetsweng mo dibekeng tse 24 e e akaretsang palo 6 <p>Motlotlo: Bala didiriswa go fitlha ka 6 letsatsi le letsatsi. Baela ka pele le kwa morago go fitlha ka 6. Balela kwa godimo o ipoeletsa 1-10</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonye. Morutabana o opa diatla go fitlha ka 6 Botsa gore o opile diatla gantsi/gannye</p> <p>Metshameko ya go dirisa mmele A re tshameke motshameko: Morutabana o baya mo fatshe khateboto e tonna ya motshameko ya dipopego palo kgotsa dikarata tsekedimo tse di akaretsang palo 1 go fitlha ka 6 mo tatalanong . Morutabana o neela bana taelo e e tshwanang le: - Dula mo godimo ga palo 6. - Baya monwana wa leoto mo godimo ga palo 3. - Taboga o potologe palo ya 2 gararo. - Tlola kwa godimo ga 1. - Morutabana a ka phathalatsa matshwaopalo a bo a neela ka ka ditaelo tse di tshwanang le tse di fa godimo.</p> <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekatekanothakoretharo (3-D) Letlelela barutwana: - Bala didiriswa mo phaposing tse di akaretsang 1 go fitlha ka 6. - Morutabana o baya thotho ya didiriswa mo tafoleng. Letlelela barutwana go fopholetsa gore thoto ya didiriswa di kae.Morago o di bale.</p>	<p>Letsatsi 1</p> <p>Dipina tsa dipalo le diraeme</p> <p>Sete ya dikhateboto tse di tonna tsa matshwaopalo O ka nna wa di penta mo dikarolwaneng tsa dikhateboto kgotsa tsa polasifiiki</p> 


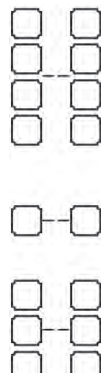
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Setlhogo 1.3 Matshwaopalo le go lemoga Dipaloina	<p>Lemoga le go supa letshwaopalo le leinapalo le le akaretsang palo ya 6</p> <p>Motlotlo: Bala didiriswa go fitlha ka 6 letsatsi le letsatsi. Baela ka pele le kwa morago go fitlha ka 6.</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 6</p> <p>Botsa gore o opile diatla gantsi/gannye</p>	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Bontshasa barutwana karata tsekedimo ya marontho a marataro le go e golaganya go dipalo ya dibadisi. - Tshameka metshameko o supa letshwaopalo le le totobetse magareng ga dilo tse dingwe le go e golaganya le dipalo e tshwanang ya dibadisi. - Tshameka metshameko o supa letshwaopalo le le totobetse magareng ga dilo tse dingwe le go e golaganya le dipalo e tshwanang ya dibadisi. - Tshameka metshameko ka go golaganya dipalo ya Dibadisi le leinapalo, letshwaopalo le dikarata tsekedimo tsa ditshwantsho. - Gatisa palo 6 ka kerayone. 	<p>Dipina tsa dipalo le diraeme</p> <p>Didirswa le Dibadisi Karata tsekedimo ya letshwaopalo le leinapalo sekao</p> 	Letsatsi 1

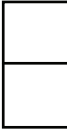
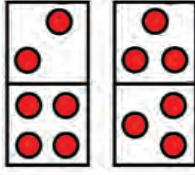
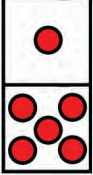
Beke 25 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo				Letsatsi 1 Tlhopa ditirwana tse di mmalwa
1.4 Tihaloso le go bapisa le thulaganyo ya dipalo	<p>• Rulaganya le Bapisa didiriswa tse di kgobokantsweng o dirisa “ntsi go” le nnye go”le lekana le” go fitlha ka palo ya 6</p> <p>Motlotlo: Bala didiriswa go fitlha ka 6 letsatsi le letsatsi.</p> <p>Balela ka pele le kwa morago go fitlha ka 6.</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”.</p> <p>Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 6</p> <p>Botsa gore o opile diatla gantsi/gannye</p>	<p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o baya dihupu tse pedi mo fatshe. - O bitsLetlelela barutwana go : babedi go ema mo sentlhageng se le sengwe le barutwana ba le babedi go ema mo sentlhageng se sengwe. - Ke sentlhaga sefe se se nang le barutwana ba bantsi? 	<p>Dipina tsa dipalo le diraeme</p> <p>Dihula hupu tse 2</p> 	
		<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Barutwana ba dua mo mmetsheng ba dire dinthaga tse pedi ka ulu. - Morutabana o neela ka taelo sekao barutwana ba baya Dibadisi tse pedi mo sentlhageng le tse nne mo snthlageng se sengwe. Ke sentlhaga sefe se se nang le dibadisi tse dintsi"/tse “dinnye” - Boeletsa o dirisa palo ya 6. - Morutabana o dirisa sekhumelo sa setshelo sa bebetsididi. O dirisa pekese tse 3 go pekesa mo lathakore le le fa godimo ga sekhumelo le dipekese tse 3 tsa diaparo go pekesa mo lethakoreng la moja la sekhumelo. Ke dipalo efe ya dipekese e le ntsi go feta tse dingwe kgotsa a di a lekana? <p>Barutwana ba ka dira ditirwana tsa mo ditlhopheng, ka go dirisa dikhumelo tsa bona le dipekese tsa diaparo</p>	<p>Murutwana mongwe le mongwe o newa dikarolo tse 2 tsa wulu</p> <p>Dibadisi</p>  	

Beke 25 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng
<p>1.4 Tihaloso le go bapisa le thulaganyo ya dipalo</p>	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o supetsa dikarata tsekedimo tsa marontho a dipalo tse di farologaneng le ditshwantsho mo go tsona.  <ul style="list-style-type: none"> - Letlelela barutwana go bapisa dikarata tsekedimo tsa ditshwantsho le marontho mo go tsona le go supa dikgopolo ka ga "go gontsi go" go gonye go" go lekana le" <p>Barutwana ba thala dintlhaga tse pedi mo bonthangweng jwa pampiri. Morutabana o ba laela go paka dibadisi le go gokaganya dibadisi mo sentihageng se sengwe le se sengwe ka kerayone. Godisa kgopolo e tshwanang le go kgaoganyo tekanao sekao :</p>  <p>Ka dikarabo tse di akaretsang sesala dira diithopha tsa dipalomaleka sekao.</p> 	<p>Setshwantsho le karata tsekedimo ka marontho</p> <p>Pampiri ya A4 le kerayone ya mafura</p> <p>Dibadisi</p>
<p>3.3 Maina a dipopego tsa tekatekanyetsothakorepedi (2-D)</p>	<ul style="list-style-type: none"> • Dira le go feleletsa phasele ya gagwe ya 5 <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Thala setshwantsho mo pampiring ya A4 . - Morutabana o thala mola mo morago ga pampiri e morutwana a thadileng setshwantsho mo go yona. - Morutwana o segolola setshwantsho sa gagwe mo methalong e e neetsweng. - Morutwana o feleletsa phasele ya gagwe. 	<p>Kerayone</p> <p>Pampiri ya A4</p> <p>Dikerayone</p> <p>Dikere</p> <p>Enfelo go kgotsa e e itiretsweng</p> <p>go baya phasele</p> <p>mo teng(mena pampiri ya A4 le sekgomaretsi)</p>


Beke 25 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng																												
Setlhogo																																
5.1 Kgobokanya, le go tihaola didiriswa.		<p>5.1</p> <p>Dipalo ya dithaka mo maineng a barutwana</p> <p>Tharabololo ya dipalo:Bolelela barutwana palo:</p> <p>“A maina a a nang le dithaka tse thataro a itsege thata?”</p> <p>Re kgona go batlisa jang? Re tshwanetse re kgobokanye tshedimosetso efe?”</p> <p>Kgobokanya tshedimosetso</p> <ul style="list-style-type: none"> - Barutwana ba bala dipalo ya dithaka mo maineng a bone go tswa mo karateng ya leina le morutabana a mo diretseng yona. - Morutabana o tsholetsa karata tsekedimo ka dipalo e e tsamaisanang le dipalo ya dithaka tsa maina a bone, o botse:ke mang yo o nang dithaka di le 4 mo leineng la gagwe? o ntse o tsholeditse letshwaopalo. Boeletsa ka dipalo tsothe <p>Thala kerafo</p> <ul style="list-style-type: none"> - Morutabana o thala lenane le le latelang fa a ntse a tshwere dipalo: 																														
5.2 Thala kerafo go bontsha tshedimosetso																																
5.3. Puiso le pegelo, kgobokanyo ka didiriswa		<p>5.3.</p> <p>Puiso le pegelo, kgobokanyo ka didiriswa</p> <table border="1"> <thead> <tr> <th>Dithaka tse 3</th> <th>Dithaka tse 4</th> <th>Dithaka tse 5</th> <th>Dithaka tse 6</th> </tr> </thead> <tbody> <tr> <td>Ann</td> <td>Kady</td> <td>David</td> <td>Sophie</td> </tr> <tr> <td>Sam</td> <td>Mark</td> <td>Aidon</td> <td>Jessie</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> <p>Buisa le go ranola lenane:</p> <ul style="list-style-type: none"> - Ke dipalo efe e e tshwanang mo dithakeng tsa maina a lona? - Ke maina a lekae a a nang le dithaka tse di fetang 5 kgotsa 6. - Ke maina afe a a nang le dithaka tse dinnye go 5? Maina a mararo. 	Dithaka tse 3	Dithaka tse 4	Dithaka tse 5	Dithaka tse 6	Ann	Kady	David	Sophie	Sam	Mark	Aidon	Jessie		Maja	Sarah				Caleb				Naila		2	3	5	2		
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Beke 26	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng
Setlhogo		Boleele jwa nako jo bo lekanyeditsweng
<p>1.1 Bala didiriswa</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Gatelela kitso e ba e boning o tsenyeletsa dipalo 1 go fitlha 6 <p>Motlotlo: Bala dilo ka letsatsi go fitlha go 6. Balela kwa pele le kwa morago go fitlha go 6. Gatelela dikakanyo tsa bontsi le bonnye”. Opa diatla gantsi ...EMA Opa diatla ga nnye .Morutabana o opa diatla go fithela go 6 Botsa potso gore ke diatla dife a opilweng gantsi \ go le gonnye</p> <p>Metsameko ya go dirisa mmele Letlelela barutwana go : :</p> <ul style="list-style-type: none"> - Ba age matshwao a palo ka mebele ya bona. - Tshwarelela dipalo tsa menwana ka ditaelo tsa morutabana. - Bopa matshwao a palo ka dikarolwana tsa mogala kgotsa seloko\mmopa - Tshwara dipalo popego tsa khaboto ka mo kgetseng le go tthaola palo e nngwe le e nngwe. - Kwala matshwao a palo 1 go fitlha 6 fa fatshe kgotsa mo moweng. 	<p>Dipalo moribo le dipina</p> <p>Disete tse pedi tsa khaboto Dipalo tsa dipalo mo kgetseng ya go tshwarega.</p>
		Letsatsi


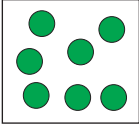
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Beke 26	Dintlha tsa tihaloso	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng
1.1 Bala didiriswa	<p>Dirisa dilo tsa ditekanyetso tsa dipopego tse pedi tse di kgonngwang : Balele dilwana mo phaposing o tsenyeletsa go fitlha go 6</p> <ul style="list-style-type: none"> - Bala dibadisi go fitlha go 6. - Baa dibadisi tsa khubiki kgotsa dibadisi tsa mebala mo moleng mo tafoleng - Barutwana ba nyalanya dikhubiki ka diriswa tsa mebala le dikhubiki tse dingwe tsa dibadisi. Sekao: <p style="text-align: center;">bohibidu Botata jwa toapi Botata jwa tihaga</p>  <p>- Dira dithopha tsa boleele jo bo farologaneng. Barutwana ba nyalanya dikhubiki go ya ka boleng</p> 	<p>Dilwana mo phaposing</p> <p>Dibadisi tse di nang le mebala dikhubiki (khubiki e le nngwe)</p>
1.3 Matshwaopalo le dipaloina	<ul style="list-style-type: none"> • Itse matshwaopalo le go lemoga dipalofoko o tsenyeletsa dipalo go fitlha 6 <p>Go Motlotlo: Bala letsatsi le letsatsi dilwana go fitlha go 6. Balela kwa pele le kwa morago go fitlha ka 6.</p> <p>Gatelela dikakanyo tsa bontsi le bonnye”. Opa diatla gantsi ...EMA Opa diatla ga nnye .Morutabana o opa diatla ga (6) ga rataro.</p> <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) Tlaa re tshameke motshameko:</p> <ul style="list-style-type: none"> - Morutabana o kwala dipalofoko mo karateng le matshwao mo letjakoreng le lengwe ka yona karata tsekedimo go tsenyeletsa dipalo go simolola ka 1 go fitlha go 6 (Dira sete e nngwe)). - Barutwana ba bala dipalofokole go phopholetsa matshwaopalo - Ba feolela karata tsekedimo le go siamisa (go itshiamisa). 	<p>Letsatsi 1</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">Bopole jwa karata tsekedimo</div> <div style="border: 1px solid black; padding: 5px;">Bomorago jwa karata tsekedimo</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px;">Thataro</div> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">6</div> </div> <p>Dikarata tsekedimo tse di akaretsang dipalo 1-6 le dipalofoko mo lethakoreng le lengwe le letshwao la dipalo mo lethakoreng le lenwe . (Dira disete tse di mmalwa gore ngwana mongwe le mongwe a nne le karata tsekedimo ya gagwe.)</p>

Nako e e tshitshintsweng ya go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana)(mosako)± metsotso e le 30 ± 5 ditirwana tsa dipalo mo bekeng		
Beke 26	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng
<p>Setlhogo</p> <p>1.7 Tlhakanyo le Tloso</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Ka molomo rarabolola dipalofoko mo tirisong le go tlhalosa ditharabololo tsa bona mo dipalong tse di tsenyeletsang palo ya thataro (6). <p>Go Motlotlo: Bala letsatsi le letsatsi dilwana go fitlha go 6. Balela kwa pele le kwa morago go fitlha ka 6.</p> <p>Gatelela dikakanyo tsa bontsi le bonnye”. Opa diatla gantsi ...EMA Opa diatla ga nnye. Morutabana o opa diatla ga (6) ga thataro.</p> <p>Dirisa dilo kgotsa ditswantsho tsa ditekatekanyetso tsa dipopego tse tharo tse dikgonngwang</p> <ol style="list-style-type: none"> 1. Neela morutwana yo mongwe le yo mongwe pampiri ya A4 e thadiwe mola o o tsepameng le go balela dibadisi di le 6 sekao.  2. Letlelela barutwana gore ba latlhele dibadisi ka tlhokomelo mo lethare la pampiri le go tlhalosa gore di wele jang..  4 le 2 →6 (4 le 2 e go fa 6) 3 le 3→6 3. Boeletsa ka dipalo 1 go fitlha go 5 gape le.  5 le 1 →6 <p>4. Go rarabolola dipalo: Tlhalosa tharabololo ya gago ya dipalo. 5. Dira se gape ka dipalo tsa go tlosa</p>	<p>Dithusa-thuto tse di atlenegesitsweng</p> <p>Dipalopina le moribo</p> <p>Balela dibadisi tse 6 go morutwana mongwe le mongwe Pampiri ya selekanyo sa A4 ka mola mo gare</p>
		<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi</p>

Nako e e tshitshintsweng ya go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morufabana)(mosako)± metsotso e le 30 ± 5 ditirwana tsa dipalo mo bekeng			
Beke 26	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo			
4.4 Mothamo/bolumu	<p>• Simolola dikanyo tsa go lekanyetsa boleng ka go bapisa gore ke ditsela tse kae tse di tlokegang. sekao</p> <ul style="list-style-type: none"> - “gagosepe lloleaitletse” - “bontsi golbonnye go” - Bontsi bonnye <p>Simolola mothamo go barutwana ka go botsa gore ke setshelo sefe se se tshotseng bontsi go feta.</p> <p>Barutwana ba dira dipapiso ka boleele le go na le mothamo .</p> <p>Sekao.Ke efe e e tshotseng go feta, setshelo sefe se se tshotseng bontsi go feta,a ke setshelo se se khutshwane kgotsa se se leele?. Bontsi jwa barutwana ba tia tlhopho setshelo se se telele le fa se khutshwane tota se tshotse seedi se se ntsi.</p> <p>Motshameko wa go dirisa mmele</p> <p>“Bontsi\ bonnye”</p> <ul style="list-style-type: none"> - Dirisa setshelo se le sengwe jaaka, selekanyetso sa go lekanyetsa. Sekao. Kopi ya yokate. Neela barutwana ditshelo tsa di farologaneng. - Barutwana: - Ba batle gore ke setshelo se fe se se tshotseng bontsi kgotsa bonnye jaaka go kopi ya yokate. Ke setshelo sefe se see rweleng thata? Ke setshelo sefe se se tshotseng go le go nnye?” <p>Neela barutwana letshwao la go ja le kgamelo ya botlhaba go tshela mmu ka mo koping. Letlelela barutwana go : :</p> <ul style="list-style-type: none"> - Balele gore ke maswana a makae a mmu a tiaditseng kopi kelelo a aka dirwang go nna thata ka go neela ditshelo tse di fetang sekao. Kopi, galase ya polasitiki, jeke e nnye - Boeletsa tirwana o dirisa dikopi. 	<p>Metsi (Ka nako ya motshameko wa metsi) le motlhaba (Kwa kgaolong ya motlhaba ke mafoko a a siameng go aga boleng</p> <p>Ditshelo tsa mefuta ka dipopego tse di farologaneng le bogolo</p> <p>Kopi ya yokate</p> <p>Kgamelo e na le motlhaba Kopi Leswana la go ja</p>	<p>Letsatsi 1</p> <p>Tlhopho tiro e le nngwe kgotsa tse pedi.</p>


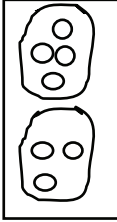
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Beke 26	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>3.1</p> <p>Maemo, kitsiso le dipono</p>	<p>Lefelo la dilwana tse pedi kgotsa go feta mo kamanong le tse dingwe.</p> <ul style="list-style-type: none"> • Didiriswa tse di kgonngwang tse di nang le dilo tsa dithekanyetso tsea dipopego tse tharo. <p>Papetla ya go dira:</p> <p>A morutwana pele ba dirisa letsogo la moja morago letsogo la mollema, le le diatla othe baya dipekere mo papetlaneng .</p> <ul style="list-style-type: none"> - Morutabana o bolelela barutwana gore ba beye dipekere fa kae? Sekao: <p>Mo moleng o o kwa godimo Mo moleng o o kwa tlase Mo letsogong la molema Mo letsogong la moja Mo magareng</p> <p>Letlelela barutwana :</p> <ul style="list-style-type: none"> - Ba dire dibopego mo papetleng ya dipekere ka dipekere tse di nang le mebala - Morutabana o bopa paterone e e bonolo ka go dirisa dipekere, mo papetleng ya dipekere. Barutwana ba kopolola paterone ya gagwe. - Barutwana ba kopolola paterone go tswa mo karateng e e nang le paterone e e thadiiweng mo go yona.. 	<p>Papetlana ya dipekere ya morutwana yo mongwe le yo mongwe kgotsa ka ditlhophha.</p> <p>Dikarata tsekedimo tsa di nang le dipatorone tse di thagisitsweng mo go tsona..</p>  <p>Boroto ya dipekere ya morutwana mongwe le mongwe kgotsa ka ditlhophha Karata e go thadiiweng dipaterone mo go tsona..</p>	Letsatsi 1

Beke 27 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.1 Bala didiriswa</p>	<p>• Itsise bokao jwa palo 7 Motlotlo: Bala didiriswa go fitlha ka 6 letsatsi le letsatsi. Baela ka pele le kwa morago go fitlha ka 6. Balela kwa godimo o ipoeletsa Gatelela go bala palokemotatelano: Morutabana o paka didiriswa tse 3 mo moleng. Supa sidiriswa se sengwe le se sengwe o ntse o bala ganlha, gabobedi, gaboraro, gane. Gatelela dikgopolo “bontsi” le “bonnye”. Opa diatla gantsi.....EMA. Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 7 Botsa gore o opile diatla gantsi/gonnye Metsameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o kgaoganya barutwana ka ditlhopho. Naya setlhopho se le sengwe dibolo rse 7 tse di dirilweng ka kuranta. - Letlelela barutwana go latlhela dibolo mo teng ga seroto . Barutwana ba tshwanetse go balela kwa godimo ba ntse ba latlhela dibolo mo seroto . - Bala gore morutabana o itaya tafole ga kae mme barutwana ba mo etsisa. - Bala go ya ka moretheto o barutwana ba tlolang ka one mo teng le kwa ntle ga hupu. - Itanya maoto mo fatshe go ya ka moretheto o o tiwaelegileng. 	<p>Diraeme tsa dipalo le dipalo</p> <p>Dibolo tsa kuranta Seroto</p>	<p>Letsatsi 1</p>

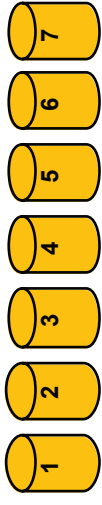
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<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>1.1 Bala didiriswa</p>	<p>Dirisa dikgonngwa ka go ruta ka ga didiriswa tsa tekanyothakoretharo (3-D) Morutabana o baya thoto ya diboloko tsa go aga mo fatshe. O naya barutwana taelo e e tshwanang le:</p> <ul style="list-style-type: none"> - Tsaya diboloko tse 3 go tswa mo thotong. - Tsaya diboloko tse 4 go tswa mo thotong, o busetse tse pedi jalo jalo. - Morutabana o baya thoto ya didiriswa mo tafoleng. Letlelela barutwana go fopholelsa gore didiriswa di kae mo thotong. Morago di bale.. - Godisa temogo ka ga tshomarelo ya dipalo ka go ba letlelela go paka Dibadisi tse supa kgotsa didiriswa ka ditisela tse di farologaneng.sekao  <p>Fa o bala, palo ya didiriswa ga e amiwe ke bogolo kgotsa maemo kgotsa ke tsa mofuta o le mongwe. Sekao:</p> <ul style="list-style-type: none"> - Rulaganya ditlama tse 7, dipensele tse 7, dihuluhupu tse 7, barutwana ba 7 jalo jalo. - Ba bale ka tsele e e farologaneng sekao ba bale di adilwe, di bapile, mo moleng, di pakilwe 	<p>Diboloko tsa go aga le tsa lego</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) A re tshameke moishameko:</p> <ul style="list-style-type: none"> - Morutabana o thala le go kgomaretsa setshwantsho mo lethakoreng le le lengwe la karata tsekedimo, a bo a thala dipalo e e tshwanang ya marontho mo lethakoreng le lengwe la karata tsekedimo a akaretsang dipalo 1 go fitlha ka 7 (dira disete tse di mmalwa). - O naya morutwana mongwe le mongwe karata tsekedimo e le nngwe ya sete. - Barutwana ba bala dipalo ya ditshwantsho mo karateng. - Pitokolola karata tsekedimo le go bala dipalo ya marontho. - Morutabana o tsholelsa nngwe ya dikarata tsekedimo tsa gagwe tsa marontho mo go tsona. - Morutwana o bapisa karata tsekedimo ya gawe le ya morutabana ya marontho.. - Morutabana o tsholelsa sete ya dikarata tsekedimo tsa matchwaopalo mo go tsone. - Barutwana ba bapisa dikarata tsekedimo tsa bone le letshwaopalo la morutabana. - Morutwana wa karata tsekedimo e e siameng, o ema a bala dipalo ya ditshwantsho kwa godimo. 	<p>Sete tse di mmalwa tsa ditshwantsho, marontho le dikarata tsekedimo tsa letshwaopalo le le akaretsang 1-</p>	<p>Setshwantsho sa didiriswa tse 7</p>  <p>7</p>

Beke 27 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1								
Setlhogo												
1.13 Tlhakanya le Tloso	<p>• Rarabolola ka go Motlotlo dipalo tsa go tihakanya le go tloso tse di neetsweng di akaretsa palo 7</p> <p>Motlotlo: Bala didiriswa go fitlha ka 7 letsatsi le letsatsi. Baela ka pele le kwa morago go fitlha ka 7.</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA.</p> <p>Opa diatla go le gonnye. Morutabana o opa diatla go fitlha ka 7</p> <p>Botsa gore o opile diatla gantsi / gannye</p>	Dipina tsa dipalo le diraeme										
1.6 Botegeniki jwa go rarabolola mathata a dipalo	<p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Dirisa dipalo ya llere e rapaletse - Simolola ka 0.Bala o ntse o tsamaya. <p>Murutabana o botsa:</p> <ul style="list-style-type: none"> - Ke dipalo efe e fa gare ga 4 le 6? - Barutwana ba itemogela ka go dirisa llere ya dipalo. - Ke dipalo dife tse fa gare ga 2 le 5? - Dirisa dikakanyo tsa gago go Letlelela barutwana go itemogela bokao jwa palo 7,ka moretheto wa dirisa mebele ya bone. <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D)</p> <p>Naya morutwana mongwe le mongwe dibaga di le 7 kgotsa dibadisi.</p> <p>Botsa barutwana dipotso di tshwana le:</p> <ul style="list-style-type: none"> - Tsamaisa padisi e le nngwe go ya kwa letlhakoreng le lengwe(la molema Fa re tihakanya padisi e nngwe gape mo dibadising tse di mo molemeng, go na le dibadisi di le kae jaanong? - 1 le 1→2 (Murutabana a re: 1 le 1 ke 2) - Tsamaisa dibadisi tse 4 go ya kwa molemeng. Fa re tihakanya tse 2 gape mo dibadising tse di mo letlhakoreng la molema, go na le tse kae jaanong? - 4 le 2→6 - O na le tse 5, o tloso tse 2, o setse ka tse kae? 	Dibaga kgotsa Dibadisi	<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>	0	1	2	3	4	5	6	7	Dibadisi
0	1	2	3	4	5	6	7					

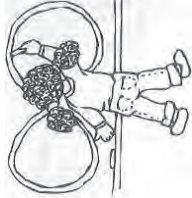
Beke 27 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo				
1.11 Tšhelete	<p>Lemoga le go tlaola Tšhelete ya dipampiri a Aforika Borwa</p> <ul style="list-style-type: none"> - Dirisa tšhelete dipampiri sekao R10, R20, R50, R100, R200 - Lemosa barutwana ka dipologolo tse di mo tšheleteng a dipampiri. - Dira tiragatso ka tšhelete mo sekhutlwaneng sa ntl. 		Dikai tsa nnete tsa tšhelete a dipampiri R10, R20 le R50 (kgotsa dirisa tšhelete a go o tshameka)	Letsatsi 1
1.9 Mo karolong dirisa ditlhophha le go kgaoganya boeteledi pele	<ul style="list-style-type: none"> • Rarabolola ka go motlotlo le go tihalosa ditharabololo tsa dipalo tsa mafoko mo tirisong (dipalo tsa kgang-khutswa) tse di akaretsang: <ul style="list-style-type: none"> - Go kgaoganya ka go lekana, - Go kokoanya ka ditlhophatsa palotlalo le - Ditharabololo tsa disala go fitlha ka 7 <p>Motlotlo: Bala didiriswa go fitlha ka 6 letsatsi le letsatsi. Baela ka pele le kwa morago go fitlha ka 7.</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 7 Botsa gore o opile diatla gantsi/gannye</p>		Dipina tsa dipalo le raeme	<p>Letsatsi 1</p> <p>Tlhophha e le nngwe kgotsa di le pedi Metshameko ya go dirisa mmele.</p>

Beke 27 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dithusa-thuto tse di atlegenesitsweng		
<p>1.9 Mo karolong dirisa ditlhopho le go kgaoganya boeteledi pele</p> <p>Metshameko ya go dirisa mmele Bopa disete o dirisa barutwana: Dikao:</p> <ol style="list-style-type: none"> 1. Letlelela barutwana go:bopa ditlhopho tsa 2, 3, 4, 5 le 6.Bala gore ba bakae mo setlhopheng. 2. Thala dipopego tse di tonna mo samenteng kgotsa mo motlhabeng . Barutwana ba dira setlhopho sa sekao barutwana ba ba 4 mo gare ga popego. 3. Ka nako ya tiwaelo ya dilapodisi morutabana a re:”Lo ka tsamaya ka ditlhopho tsa 4 go ya go thapa diatla go na le gore a re : “Barutwana ba le ba 4 ba tsamaye ba ye go thapa diatla” 4. Tlhopho barutwana ba le 7 go dirisa raeme ya go bala. 5. Letla barutwana ba le 7 go itira e kare ke dinonyane le go dira o kare ke setlhare, ba dirise didiriswa tsa go palame kwa ntle kgotsa ditulo le ditafole mo phasing. 6. Morutabana o romela dinonyane tsa 2 kwa go ba ba itirileng o kare ditlhare (barutwana ba le 2 ba palama didiriswa) Nonyane e nngwe e ya kwa setlhareng nako e nngwe le e nngwe.”Go na le dinonyane di le kae mo setlhareng” le gore go na le dinonyane di le kae mo aftshe? 7. Boeletsa ka go kokoanya barutwana ka ditlhopho tsa palo 1-7 <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) Dikao:</p> <ol style="list-style-type: none"> 1. Morutabana o naya barutwana dibadisi.Letlelela barutwana go dira sete tse 4 tse dibadisi. Dira sete e nngwe ya ga 3.”Go na le Dibadisi di le kae mo seteng e e ntshwa. 2. Letlelela barutwana go thala didiko tse pedi mo lethare la pampiri. Ka ditaelo tsa morutabana, barutwana ba aka dibadisi mo diseteng tse pedi gore go nne le dibadisi tse dintsi mo seteng e nngwe go feta sete e nngwe. Botsa dipotso di tshwana le “ke sete efe e e nang le dibadisi tse dintsi/dinnye? 	<p>Dirisa dithusa-thuto tse di farologaneng go go naya kakanyo gore o tla dirisa ditogamaano tse di farologaneng jang.</p> <p>Didiriswa tsa go palama kgotsa ditafole le ditilo.</p>  <p>Dibadisi</p> <p>Lenathwana la pampiri le kerayone la morutwana mongwe le mongwe</p> <p>Dibadisi</p> 		

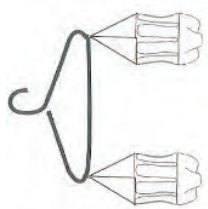
Beke 27 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)
Setlhogo	Dintlha tsa tihaloso
<p>4.4 Mothamo /bolumu</p>	<p>Bapisa dikgonngwa le go rulanya didiriswa o dirisa tlotlofoko e maleba go tlaolisa:</p> <p>a) Mothamo b) Lolea, tlatse , gonnye thata , gontsi thata, go le gonnye. Gatelela kitso e o boneng mo bekeng o tsenyeletsa mothamo. Motlotlo: Bala didiriswa go fitlha ka 6 letsatsi le letsatsi. Balela ka pele le kwa morago go fitlha ka 7. Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA. Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 7 Botsa gore o opile diatla go le gontsi/gonnye Metshameko ya go dirisa mmele Letlelela barutwana:</p> <ul style="list-style-type: none"> - Rulaganya ditshelo tse pedi kgotsa tse tharo tse di lolea ka tatelano ya mothamo. Ka mantswa e mangwe ke setshelo sefe se se kgonang go tshela seedi se se ntsi kgotsa se se nnye? Barutwana ba ka itemogela ka go tshela dikopi tsa metsi mo teng ga ditshelo tse di lolea le go bala gor e ke setshelo sefe se se tshelwang dikopi tse dintsi thata. Oketsa dipalo ya ditshelo tse di lolea go dira tirwana e boketenyana. - Barutwana ba ka nna ba dirisa yone kopi e, go lekanya le go tlhomamisa gore ke dikopi tse kae tsa reisi kgotsa dinawa kgotsa mmu di tla tshelwang go tlatla ditshelo tse di dirisitsweng fa godimo. - Rulaganya mofuta o o tshwanang wa ditshelo (sekao dikgamelo mo lefelong la mmu) go tswa go tse dinnye go ya go tse ditonna. - Naya barutwana ditshelo tse di farologaneng (bogolo jo bo farologaneng le dipopego) le go botsa dipotso di tshwana le: <ul style="list-style-type: none"> o “Ke setshelo sefe se se o naganang gore se ka tshela metsi a,mantsi / mmu o montsi? o Fa o tshela metsi go tswa mo setshelong se sengwe go ya go se sengwe, fopholetsa gore a se tla se tlatla?” - Letlelela barutwana go itemogela gore go diragala eng, mo setshelong se se sa tlang ka metsi fa dilwana tse dinnye di thakannngwa sekao tshela maje a mannye, diboloko tsa lego,diboloko tsa polasitiki sekao barutwana ba itumelela motshameko wa go fopholetsa, mo ba fopholetsang gore ke setshelo sefe se se tsholang go le gontsi le go lekola dipholo gore ke mangy o o falolang (Morutabana o supa gore ke dilwana tse di phaphalalang ga di kitla tshwaetsa bogodimo jwa metsi)
	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Metsi (ka nako ya go tshameka ka mesti) le mmu (ka nako ya go tshameka ka mmu mo lefelong la mmu) ke mafelo a a siametseng go godisa kgoplo ka ga motheo.</p> <p>Dipina tsa dipalo le diraeme</p> <p>Ditshelo tse di farologaneng ka dipopego le bogolo jo bo farologaneng</p> <p>Kopi</p> <p>Kopi Reisi Dinawa</p> <p>Dikgamelo tse di farologaneng go tswa mo ifelong la mmu.</p> <p>Ditshelo tse di farologaneng ka popego le bogolo Metsi Mmu Dilwana di tshwana le maje a mannye,diboloko tsa Lego,diboloko tsa polasitiki</p>
	<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Malatsi 2</p> <p>Tlhopha ditirwana tse pedi kgotsa tse tharo.</p>



Beke 28 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso		Letsatsi 1
1.1	<p>Bala didiriswa</p> <p>1.1</p> <ul style="list-style-type: none"> Gatelela kitso e e amogetsweng e akaretsa palo 7 <p>Motlotlo: Bala didiriswa go fitlha ka 7 letsatsi le letsatsi. Baela ka pele le kwa morago go fitlha ka 7.</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonnye. Morutabana o opa diatla go fitlha ka 7 Botsa gore o opile diatla gantsi/gannye</p>	<p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Barutwana ba le babedi ba bilediwa kwa pele.Barutwana ba bangwe ba a ba bala. Barutwana ba babedi fa pele ba tshwara dipalo e e nyalanang le letshwaopalo. - Biletsa morutwana a le mongwe gape kwa pele.Barutwana ba bangwe ba a ba bala. Morutwana yo mongwe kwa pele o tshwara letshwaopalo la 3 - Tswela go fitlha go nna le barutwana ba le 7 kwa pele. 	
	<ul style="list-style-type: none"> Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) <p>- Baya Meteme/dithini tse 7 mo moleng sekao</p>  <ul style="list-style-type: none"> - Letlelela barutwana go tsenya peo/leje mo teng ga thini ya nthla, dipeo tse pedi mo teng ga thini ya bobedi, dipeo tse tharo mo teng ga thini ya boraro, tswela jalo go fitlha dithini tsothe tse 7 di tshetswe palo ya dipalo tsa dipeo tse kwadiwang kwa ntle ga thini. - Tsaya dikerayone tse di mmalwa (magareng ga 10 le 15) o di tsenye mo teng ga bekere. Botsa barutwana go fopholetsa gore di kae mo teng ga bekere. Buisana le barutwana ka karabo. - Supetsa gore o di bala jang, ka go tlosa e le nngwe ka nako o di baya ka tatelano mo moleng. 	<p>Karata tsekedimo ya letshwaopalo tse di akaretsang 1 go fitlha ka 7</p>	<p>Dithini tse 7 ka dipalo ya letshwaopalo e kgomareswe ka fa ntle ga tsona. Dipeo kgoisa maje</p> <p>Dikerayone le bekere</p>

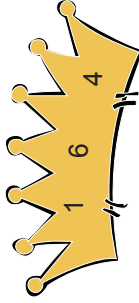




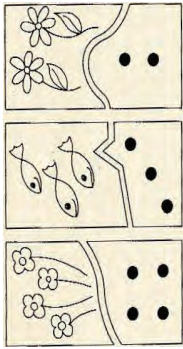
Beke 28 Kitsiso			
Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.3</p> <p>O itse letshwaopalo le go lemoga paloina</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> Lemoga letshwaopalo le Paloina le le akaretsang palo 7 <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> Barutwana ba dula mo sedikong. Pitokolola dipalo ya karata tsekedimo mo pele ga morutwana yo mongwe le yo mongwe.(e ka nna letshwaopalo, leinapalo, karata tsekedimo ka lerontho kgotsa karata tsekedimo ka setshwantsho e e akaretsang 1 go fitlha ka 7) Rufa barutwana go fetisetsa karata tsekedimo kwa morutwaneng yo mongwe o e pitokolotse mo mmetsheng. Barutwana ba opela: "Secret number" dipalo ya sephiri, e ka nna efe ? A ke okomele" Barutwana ba okomela dikarata tsekedimo tsa bone. Morutabana o tsholetsa karata tsekedimo ya palo ya gagwe.. Morutwana yo nang le dipalo e e tshwanang le ya morutabana, o a tsholetsa a bo a re: ke tla tsholetsa karata tsekedimo ya me kwa godimo gore yo mongwe le yo mongwe a e bone. " 		Letsatsi 1
<p>3.2</p> <p>Dipopego tsa tekanothakoretharo 3-D</p>	<p>Aga didiriswa tsa dikgonngwa tsa materiale.</p> <ul style="list-style-type: none"> Kopolola kago go tswa mo moakanyetsong kgotsa karata tsekedimo ya setshwantsho <p>Dirisa dikgonngwa go ruta ka ga tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> Morutwana o aga kago e e tshwanang le moakanyetso kgotsa setshwantsho. Kopolola moakanyetso o o tshwanang le wa setshwantsho o dirisa boroto ya diphekese. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <p>Atolosa tirwana e, go boitsweretshi jwa pono.</p> <ul style="list-style-type: none"> Naya morutwana mongwe le mongwe lethare le le nang le didiko tse di farologaneng,le dikhutlonne le dikhutlatharo. <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> Segolola dipopego le go aga dikago tsa dipopego tsa tekanothakorepedi (2-D) mo lethare la pampiri le go e kgomaretisa. Kgabisa setshwantsho ka methalo.. 	<p>"Dipopego tsa Logi " diboloko tsa bokgoni</p> <p>"diboloko tsa thaloganyo"</p> <p>Sediriswa sengwe le sengwe sa go aga. boroto ya dipekese</p> <p>Didiko, dikhutlatharo le dikhutlonne tse di tonna le tse dinnye tse di farologaneng mo lethareng la pampiri.</p> <p>Dikere,sekgomaretsi</p>	Letsatsi 1 Ka tsweletso

Beke 28 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	<p>3.4</p> <p>Tekano</p>	<p>Lemoga bokgoni jwa go kgabaganya molagare</p> <p>Godisa bokgoni jwa go kgabaganya mola-gare</p> <p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Lebelele gape kitso e amogetswe: ama dikarolo tse di farologaneng tsa mmele go ya ditaelo. Tshameka "simple Simon says" - Tswelela go neela ka ditaelo, mo barutwana ba tshwaneiseng go kgabaganya molagare jaak go "ama lengwele la gago ka nko.ama legetla la gago ka tsebe.ama lengole la gago la molema ka leoto la moja, ama sekono sa gago ka ka letsogo le lengwe. Jalo jalo 	<p>Motshameko: "Bonolo Simon a re, ama"</p>	
	<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanyothakoretharo (3-D)</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Thala didiko tse di tonna mo patikwalelong. - Thala mela e tlhamaletseng mo patikwalelong. Nefatsa gore morutwana o fapaanya mola wa gare. - Mo patikwalelong o thala mola go tswa mo lerothong le lengwe go ya go le lengwe le le kgakala. - Thala setshwano sa robedi se rapaletseng mo patikwalelong. Dirisa motsamao o motonna go nefatsa gore morutwana o kgabaganya mola gare. <p>(morutwana o dirisa letsogo la molema le letsogo la moja)</p>	<p>Barutwana o thala mo patikwalelong</p> 		
	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <p>Tsenyeleiso botsweretshi la pono</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Penta mo lethareng la kuranta go tswa mo molemeng go ya kwa mojeng. 	<p>Murutwana mongwe le mongwe o newa lethare la kuranta gabeli</p> <p>Boratshe jwa pente</p>		

Beke 28 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	4.3. Boima /Mimese	<p>Bapisa dikgonngwa le thulaganyo ya didiriswa o dirisa tlotlofoko e maleba go tihalosa:</p> <ul style="list-style-type: none"> - Mimese/boima Sekao: Bofefo , boima , bofefo thata , boima thata. • Itsise kgopolo ka ga boima o Bapisa boima jwa didiriswa tse di farologaneng sekao: <p>Bofefo / boima</p> <p>Botlhofonyana / boima thata</p> <p>Go lekanya boima go raya go batlisisa gore selo se boima go le go kae.</p> <p>Metshameko ya go dirisa mmele</p> <p>Letelela barutwana go fopholetsa boima jwa didiriswa:</p> <ul style="list-style-type: none"> - Tshwara didiriswa tse di latelang, se sengwe le se sengwe mo letsogong le lengwe le lengwe, barutwana ba fopholetse gore ke sefe se se boima kgotisa bofefo sekao . <ul style="list-style-type: none"> o Lejwe le boloko jwa go aga.. o Koloji ya go tshameka ya polasitiki le ya tshipi. o Thini ya kofi le pampiri ya kwa ntlwaneng. o Bolo e tonna ya rabara le bolo ya kerikete. <p>Ka gale barutwana ba batlisisa gore didiriswa tse di tonna di boima fa ba kopiwa go fopholetsa ka boima jwa didiriswa tse pedi.</p> <ul style="list-style-type: none"> - Itsise ka sekale sa go lekanya boima sekao lekanyetsa didiriswa go bona gore ke barutwana bafe ba ba neng ba siame. - Botsa dipotso di tshwana leke sediriswa sefe se se boima thata/bofefo thata? Letelela barutwana gore ba batle sediriswa se ba gopolang gore se boima go feta didiriswa tse o di lekanyeditseng mo sekaleng mo phaposing. - Dira gore sekala sa go lekanyetsa se nne teng ka nako ya motshameko o o lokolosegileng, gore barutwana ba tswelole ka ditirwana tsa go lekanyetsa boima. - Neela ka sekale mo sekhutlwaneng sa ntle gore barutwana ba kgone go bona gore ke diboloko tsa lego di le kae tse di nang le boima jo bo tshwanang sekao apole 	<p>3-D Didiriswa tse di farologaneng ka boima le bogolo sekao. Lego diboloko, mpompo, kago, (meteme)dithini, ditsheho jj..</p>	<p>Letsatsi 1</p> <p>Tlhophafela ditirwana tse pedi kgotisa tse tharo.</p>
			<p>Sekale sa go lekanyetsa</p> <p>O ka nna wa itirela sekale se se botlhofo:</p> <ul style="list-style-type: none"> - O thoka hangere ya polasitiki, - Didiriswa tsa majerini tsa polasitiki tse di kgolokwe kgotisa dibotlolo tsa senotsididi le thudi e e nnye. - Phunya mahuti a mabedi go lebagana le le lengwe, mo sedirisweng sa majerini/botlolo ya senotsididi. - Golega sediriswa sa majerini/botlolo kwa bofelong jwa hangere o tla bo o na le sekale. - Pega hangere mo sepekereng kgotisa mo hukung, barutwana ba ka simolola go lekanya didiriswa. - Supetsa barutwana gore hangere e tshwanetse go nna mo seleanong nako nngwe le nngwe o lekanyetsa didiriswa. 	



Nako e e tshitshintsweng ya go Ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana±30 metsotso mo bekeng (Mosako) (± 5 metsofoditirwana tsa dipalo ka beke)			
Beke 29	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitsweng	Sebaka se se maleba
<p>Setlhogo</p> <p>1.1 Bala didiriswa</p>	<p>Tialeletsa kitso e ba boneng e akaretsang dipalo tsa 1-7</p> <p>Motlotlo: Bala dilo letsatsi le letsatsi go fitlha 7. Balela kwa pele le kwa morago go fitlha 7. Go balela godimo o boeletsa 1-10</p> <p>Tialeletso ya dikakanyo tsa “bontsi” “le” bonnye”. Opa diatla gantsi ...EMA Opa diatla gangwe. Morutabana o opa a gagwe ga 7. Botsa potso gore ke palo efe e e phaphathilweng go le gontsi \nnye.</p> <p>O dirisa dilo tsa ditekanyetso tsa dipopego tse pedi tse di kgonngwang A bautwana ba : - Ba kgobokanye dithupa.Di beye mo phaposing go di dirisa gape. - Dirisa dithupa tsa gago sekao.: Go kwala letshwao la tlhano(5).</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="text-align: center;">jalo, jalo</p>	<p>Dipina tsa dipalo le moribho</p>	<p>Letsatsi 1</p>
	<p>Letlelela barutwatwana go : :</p> <ul style="list-style-type: none"> - Dirisa sete ya dikarata tsekedimo tsa folašhe tse di tsenyeletsang 1 go fitlha go 7. - Thala palo tsa dilo ka taelo ya morutabana.SekaoThala didiko tse pedi (2) . - Bala go tloga mo palong e o neilweng;Sekao Morutabana o tia bala tharo. Barutwana ba tia bala nne, tlhano, thataro. - Ka nako ya dijo morutabana o tia botsa: “Ke barutwana ba ba kae ba ba tshotseng sementšhise ya borotho jo borokwa? Ba ba kae ba tshotseng sementšhise ya borotho jo bosweu A bana ba bantsi ba tshotse sementšhise ya borotho jo bosweu? Ke tse dife tse dintsi le dife tse dinnye?” - Morutabana o baya dilwana ka mokoa mo tafoleng.O letlelela barutwana go fopholetsa gore ke dilwana tse kae mo mokoeng? di bale morago. 	<p>Ditshwantsho le dikarata tse dikgolwane tse di tsenyeletsang dipalo 1 go fitlha go 7</p> <p>Letshwaopalo le dipuofoko, dikarata tsekedimo tse di tsenyeletsang dipalo go tloga 1 go fitlha 7 sekao.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">Seishwanisho sa didiriswa tse supa</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">7</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">supa</div> </div> <p>Pampiri le diphensele tsa mebala</p>	

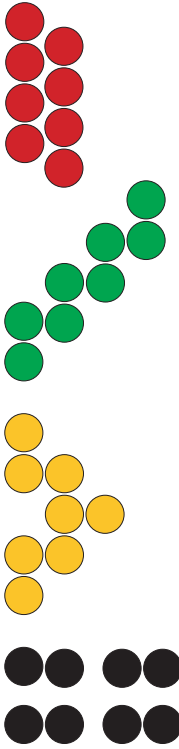
Nako e e tshitshintsweng ya go Ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana±30 metsotso mo bekeng (Mosako) (± 5 metsofoditirwana tsa dipalo ka beke)		Sebaka se se maleba
Beke 29	Dintlha tsa tihaloso	Didiriswa tse di atlenegisitsweng
<p>Setlhogo</p> <p>1.3 Lemoga matshwaopalo le dipaloina</p>	<p>Lemoga letshwao la dipalo le leina la dipalo le le akaretsang dipalo 1 go fitlha go 7</p> <p>Motlotlo: Bala diliwana letsatsi le letsatsi go fitlha go 7. Balela kwa pele le kwa morago go fitlha go 7. Gatelela dikakanyo tsa “bontsi” “je” bonnye”. Opa diatla gantsi ...EMA Opa diatla gago go le gonnye . Morutabana o opadiatla tsa gagwe go fitlha go 7. Botsa potso gore ke palo efe ya kopo ya diatla e ntsi /e nnye .</p> <p>Metshameko e e dirisang mmele</p> <ul style="list-style-type: none"> - Baya karata tsekedimo ya letshwaopalo le legolotona mo phaposing kgotsa kwa ntle mo go tshamekelwang teng. - Neela kgaolo eo ya lefatshe “palo” mme barutwana e le “Dipalo-tlhaka kgosi \ kgosigadi.” Baya korone e dirilweng ka karata tsekedimo ya lebokoso mo tlhogong ya morutwana yo mongwe le yo mongwe ka dipalo tse di kwadilweng sentle. - Neela barutwana ditaelo jaana: <ul style="list-style-type: none"> o Bana botlhe ba ba apereng bokhibidu tlolela go 2. o Bana botlhe ka moriri o moleele tlolelang ka menwana go 6. 	<p>Dipalo tsa dipuo le moribo</p> <p>3 5 2</p> <p>Karata tsekedimo ya letshwao palo e kgolo</p> <p>Dikorone tsa dipalo tse dintsi tsa morutabana yo mongwe le yo mongwe tse di dirileng ka khatebokoso, di na le dipalo mo go tsona</p> 
	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanofihakorepedi (2-D)</p> <p>Letlelela barutwana go :</p> <ul style="list-style-type: none"> - Thala dipalo tsa marontho ka taelo ya morutabana. Sekao: thala marontho a 2 . Boeletsa ka dipalo go tloga go 1 go fitlha go 7 - Nna le disete tsa letshwaopalo lekarata tsekedimo tsa leinapalo tse di teng. . Neela morutwana yo mongwe le yo mongwe karata tsekedimo e le nngwe. Morutabana o tsholetsa karata tsekedimo kwa godimo. Barutwana b aba nang le dikarata tsekedimo tse di tshwanang ba di emisa. - <i>Tshitshinyo:</i> Akaretsa barutwana mo go direng dikarata tsekedimo tsa bona. - Tshameka metshameko ya go nyalana, ka letshwao palo le dipalofoko ya dikarata tsekedimo. 	<p>Pampiri le korone</p> <p>Sete ya dipalo ya karata tsekedimo e e fetang nngwe tse di akaretsang dipalo 1 go fitlha go 7</p>    <p>Setshwantsho sa didiriswa tse supa</p>  



Nako e e tshitshintsweng ya go Ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana±30 metsotso mo bekeng (Mosako) (± 5 metsofsoditirwana tsa dipalo ka beke)			
Beke 29	Dintlha tsa tihaloso	Didiriswa tse di atlenegjisitsweng	Sebaka se se maleba
Setlhogo 1.7 Tlhakanyo le Tloso	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Rarabolola ka molomo go tihakanya le go tlosa dipalo tse di neetsweng le dikarabo go fitlha go 7 <p>Molomo: Balela dilo letsatsi le letsatsi go fitlha 7. Balela kwa pele le kwa morago go fitlha 7.</p> <p>Tlaleletso ya dikakanyo tsa “bontsi” “le” bonnye”. Opa diatla gantsi ...EMA Opa diatla gangwe. Morutabana o opa a gagwe ga 7. Botsa potso gore ke palo efe e e phaphathilweng gantsi \ nnye.</p> <p>Metshameko e e dirisang mmele</p> <ul style="list-style-type: none"> - Lebelela dikakanyo tsa beke 24 le 27 go dikakanyo. - Dirisa dikakanyo tsa gago gore barutwana ba itemogele bokao jwa didiriswa tse dikgonngwang o dirisa tekatekanyo ya dipopego tse tharo. 	<p>Dipalo tsa dipuo le moribo</p> <p>Dibadisi</p>	<p>Letsatsi 1</p>

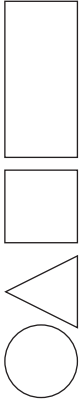
Nako e e tshitshintsweng ya go Ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabanat30 metsotso mo bekeng (Mosako) (± 5 metsofsoditirwana tsa dipalo ka beke)			
Beke 29	Dintlha tsa tihaloso	Didiriswa tse di atlenegjitsweng	Sebaka se se maleba
<p>Setlhogo</p> <p>4.3 Boima/Mmese</p>	<p>Dintlha tsa tihaloso</p> <p>• Gatelela kitso e o e amogetseng ng mo bekeng ya 28 o akaretsa boima – bothofofo bokete Bothofofo thatathata/boima thatathata Metshameko e e dirisang mmele Letelela barutwana go : :</p> <ul style="list-style-type: none"> - Bapise boima jwa ditshelo tse tharo go ya go tse tlhano tse ditshwanang (sekao digerama tse 400 tsa meteme/dithini /e/tse e/di senang sepe) di tshetswe selekano se se farologaneng sa mmu wa mothaba mmu gore boima jwa tsona bo farologane. - Di beye ka thulaganyo go ya bothofofo go ya ka bokete ka go lekanyatsa boima.Morago ga foo sekala sa boima se ka dirisiwa go lekanyetsa go thomamisa fa barutwana ba ne ba nepile. - Tshitshinyo: <p>Dira tekelelo go bona gore go ka lekanyetswa diwatshere kgotsa dipekere tse kae go fitlhelela bokete jo bo tshwanang.Didiriswa tse di farologaneng di ka nna tsa diriswa.</p> <p>Morutabana o baya diathikele tsa boima jo bo farologaneng mo ditshelong tse di tshwanang: Sekao: ditshelo tse pedi tsa tshesi, e nngwe e tsentse boloko e nngwe thenese bolo.</p> <p>Letelela barutwana go:</p> <ul style="list-style-type: none"> - Lemoga pharologanyo ya boima gareng ga boima jwa dilo di le pedi, mme ba fopholetse gore ke efe e bothofofo ke efe e bokete. - Ba dirise sekale sa go bona karabo ya nnete. - Gwetlha barutwana go tthaola dilo mo diphaposeng tse di nang le boima jo bo lekanang. <p>Kgaolo ya lefelo la khuti ya mmu wa mothaba le motshameko ka metsi ke mafelo a thokafalang a tshwanetseng go dirisetswa go gatelela dikakanyo jaaka bothofofo(bokete) bokete thata thata o dirisa ditshelo tsa bogolo jo bo tshwanetseng. Sekala sa go lekanya ,mothaba o bongola le o omileng.</p> <p>Ela tlhoko: Nna fa fatshe le barutwana fa o bua o tlotla le go tihalosa.</p>	<p>Dithini tse diiolea tse di lekanang ka bogolo</p> <p>Sekala sa go lekalekana</p> <p>Didiriswa jaaka diboloko tsa Lego</p> <p>Didiriswa tsa bokete jo bo farologaneng jaaka ditshatswi tsa ditshipi kgotsa manala.</p> <p>Khuti ya mothaba</p> <p>Sejana sa motshameko wa metsi, segobe sa metsi a diphologolo</p>	<p>Letsatsi 1</p>

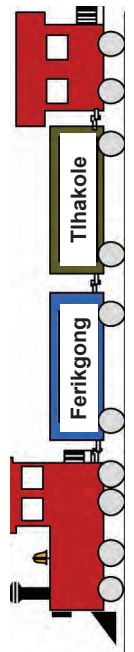
Beke ya 30	Dirisa beke ya 30 go tlhokomela makoa a thuto ka ga dikgopolo le /kgotsa dikgoreletsi tse di lemogilweng mo go ithuteng.	Mokgwa wa tekanyetso ya tlhatlhobo
Kgaolo ya diteng	Setlhogo	
Dipalo, diopereishene le kamano	<p>1.1</p> <p>Go bala dilwana</p>	<p>Fopholetsa le go bala o boeletsa go fitlha ka 7 (dipina tsa dipalo le diraeme tse di akaretsang kgodiso yak go [polopalo])</p> <p>Balela kwa pele le kwa morago (1-7)</p> <p>O itse gore palo ya go opa diatla e bonnye kgotsa bontsi jo bokae</p> <p>Lemoga dipalo tse di tswaelegileng mo tirisong sekao bogolo, rejisitara (tlhatlhoba gape)</p> <p>Lemoga dipalo tsa ditshwantsho le dikarata tsekedimo tsa marontho go fitlha ka dipalo tsa 7</p> <p>O itse matshwao palo 5, 6, 7</p> <p>Lemoga maina palo tlhano, thataro, supa</p> <p>Go farologanya magareng ga bontsi, bonnye le maleka go, bontsi le bonnye go fitlha ka 7</p> <p>Lemoga mebala ga mmogo le mefuta ya diphologolo tse di farologaneng mo Tšheleteng ya Aferika Borwa</p>
	<p>1.6</p> <p>Ditomagano tsa go tharabololo ya dipalo</p>	<p>Dirisa didiriswa tse di kgonngwang</p> <p>Tlhalosa kakanyo ya gagwe ka go dirisa mafoko le ditshwantsho kgotsa didiriswa tse di kgonngwang</p>
	<p>1.7</p> <p>Tlhakanyo le tloso</p>	<p>O rarabolola dipalo tse di fitlhang ka 7 tsa go tlhakanya le go tlosa ka go Motlotlo</p>
Dipaterone, Tiriso le Alejebra	<p>2.1</p> <p>Dipaterone tsa Jeometri/tekano</p>	<p>Kopolola, atolosa le go bopa dipaterone tsa bone a dirisa ditshwantsho</p>
Boalo le popego (Jeometri)	<p>3.1</p> <p>Maemo, kitsiso le dipono</p>	<p>Itse maemo a dilwana tse pedi kgotsa tse tharo di goleganya le nngwe le nngwe ya tse: kwa pele ga, kwa morago, godimo, fa, tlase, kwa tlase, tlase go bapa mogare, molema le moja</p>
	<p>3.2</p> <p>Dilwana tsa tekano tlhakoretharo (3-D)</p>	<p>Lemoga le go neela ka maina a khutlonne</p>
	<p>3.3</p> <p>Dipopego tsa tekanyotlhakoretharo (2-D)</p>	<p>O tlhaloganya tlhomamo ya dipopego e e ithutilweng (polokego ya dipopego)</p> <p>O bopa go tloga mo sekaong se se neetsweng</p>
Tekanyo	<p>4.2</p> <p>Boleele</p>	<p>Aga sekao sa kago go tswa go setshwano /karata tsekedimo ka setshwantsho</p> <p>Go aga phasele ya dikarolo di ka nna 18</p>
	<p>4.3</p> <p>Boima /Mimese</p>	<p>Go lemoga, thaola le maina a dikwere</p> <p>Tlhaloganya kago ya dipopego tse di thomameng tse di ithutilweng</p>
	<p>4.4</p> <p>Mothamo/bolumu</p>	<p>Fopholetsa le go lekanyetsa boleele jwa didiriswa tse di farologaneng.</p> <p>O tlhaloganya kgopolo ka ga "bofelo, boima, bofefonyana, boimanyana, bofefo thata, boima thata.</p> <p>O tlhaloganya kgopolo ka ga lolela, tsetse, ntsi go, nnye go"</p>
Go dira ka tshe dimosetso	<p>Kgobokanya, thaola, Bapisa, bala le go Bapisa didiriswa go ya ka ponagalo e le nngwe.</p> <p>di phuthilweng tse tlhaotsweng, puisano le pegelo ka dilwana tse di phuthilweng</p>	

KWEDI-THARO 4 DIPALO MOPHATO WA R												
Beke 31 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng									
Setlhogo	Dintlha tsa tihaloso											
1.1 Bala didiriswa	<p>• Itsise bokao jwa palo ya 8</p> <p>Motlotlo: Bala didiriswa le letsatsi le eltsatsi go fitha ka 8. Balela kwa pele le kwa morago go fitha ka 8. Balela kwa godimo o ipoeleisa 1-10 Itsise bobadi jwa palo pedi o dirisa go raema</p> <p>Gatelela palokemotelano: Morutabana o paka didiriswa tse 4 mo moleng. Supa sediriswa sengwe le sengwe o ntse o bala ya nthla, ya bobedi, ya boraro, ya bone</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonye. Morutabana o opa diatla go fitha ka 8 Botsa gore o opile diatla gantsi/gannye</p>	<p>Dipina tsa dipalo le diraeme.</p> <p><i>Pedi, nne, thataro, robedi,</i> <i>Monna a le mongwe fa hekeng.</i> <i>A re o thari thata;</i> <i>Pedi, nne, thataro, robedi.</i></p>	Letstsi le 1									
	<p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Baya dikgato tse robedi o ntse o tsamaya o potologa mo phaposing - Supetsa menwana e robedi. - Letlelela barutwana: - Dirisa mapalamo a dipalo, e bewe mo fatshe rapalala) - Netefatsa gore barutwana ba simolola ka 0 ka nako tsothe. - Supa letshwaopalo fa ba ntse ba tsamaya mo molapalong. - Tsamaya mo karolwaneng fa o ntse o Bala letsatsi morethetho 	<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 letshwaopalo mo karateng 1 go fitha ka 8.</p>	0	1	2	3	4	5	6	7	8	
0	1	2	3	4	5	6	7	8				

<p>Beke 31 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>		<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Letsatsi 1</p>
<p>1.3 Lemoga matshwaopalo le dipaloina.</p>	<p>Lemoga matshwaopalo le mainapalo Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) Letlelela barutwana:</p> <ul style="list-style-type: none"> - Motlotlo: Bala didiriswa mo phaposing tse di akaretsang 1 go fitlha ka 8 - Bala didiriswa go fitlha ka palo 8. - Godisa temoso ka ga tshomarelo ya dipalo ka go letlelela barutwana go paka Dibadisi di le robedi kgotsa go paka didiriswa ka ditsela tse di farologaneng sekao. 	<p>Sete ya didiriswa tse 8 mo phaposing Didiriswa kgotsa Dibadisi.</p>	
		<p>Dibadisi tse 8 kgotsa didiriswa</p> <p>Karata tsekedimo ya letshwaopalo le leinapalo, marontho le ditshwantsho sekao.</p>	
	<p>Fa o bala, dipalo ya didiriswa ga di amiwe ke bogolo jwa dipalo kgotsa maemo kgotsa ke tsa mofuta o o tshwanang sekao:</p> <ul style="list-style-type: none"> - Rulaganya ditalama tse 8 ,dipensele tse 8 ,dihulahupu tse 8 ,barutwana ba le 8 jalo - Di bale ka thulaganyo e farologaneng sekao di bale di adilwe,di bapile,mo moleng kgotsa di pakilwe. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) Letlelela barutwana:</p> <ul style="list-style-type: none"> - Tshameka metshameko ka go golaganya dipalo ya Dibadisi ka leinapalo, letshwaopalo,marontho le karata tsekedimo ya setshwantsho e akaretsang dipalo go fitlha ka 8 - Gatisa palo 8 ka kerayone. 	<p>Seishwanisho sa didiriswa tse 8</p> <p>8</p> <p>robedi</p> <p>Dikerayone Dibadisi</p>	

Beke 31 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso		Letsatsi 1
1.4 Tihalosa , bapisa le thulaganyo ya dipalo.	<p>• .Dirisa palo 8 mo tirisong e e tlwaelegileng</p> <p>Motlotlo: Bala didiriswa go fitlha ka 8 letsatsi le letsatsi. Balela ka pele le kwa morago go fitlha ka 8.</p> <p>Gatelela go Bala letsatsi bo pedi o dirisa diraeme tsa dipalo</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA.</p> <p>Opa diatla go le gonnye. Morutabana o opa diatla go fitlha ka 8</p> <p>Botisa gore o opile diatla gantsi/gannye</p> <p>Metshameko ya go dirisa mmele Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Dira palo 8 ka menwana ya bone. - Bopa dipalo ka dikarolwana tsa thudi kgotsa mmu wa seloko wa go tshameka. - Kwala matshwaopalo mo terei e e nang le mmu. - Baya letshwaopalo le le tonna mo tatanong fa fatshe go fitlha ka 8. <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) Morutabana o naya morutwana yo mongwe le yo mongwe dinawa tse 8 le karata tsekedimo ya marontho a 8</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Paka nawa mo godimo ga lerontho le lengwe le lengwe mo karata tsekedimo . - Bala dinawa. - Golaganya karata tsekedimo ya lerontho go leinapalo le Dibadisi. 	<p>Dipina tsa dipalo le diraeme</p> <p>Thudi/ulu kgotsa seloko ya motshameko. Terei ya mmu</p> <p>Sete ya dikarata tsekedimo tsa letshwaopalo</p> <p>Murutwana mongwe le mongwe o nawa dinawa tse 8. Karata tsekedimo ya marontho, karata tsekedimo ya leinapalo le dibadisi</p>	 





Beke 31 Kitsiso	Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo 3.3 Tekanotlhakorepedi (2-D)	Lemoga le tthaola le go neela leina la dipopego tsa tekanyotlhakore mo phaposing le ka ditshwantsho <ul style="list-style-type: none"> - Itsise khutlonnetsepa • Metshameko ya go dirisa mmele Letlelela barutwana: <ul style="list-style-type: none"> - Khutlonne-tsepa e nle matlhakore a le mane. - Bopa dipopego ka mebele ya bone sekao barutwana ba le 3 ba bopa khutlonnetsepa ka mebele ya bone (barutwana ba le 6). - Bopa khutlonnetsepa ka menwana. - Bopa khutlonnetsepa ka dikarolwana tsa wulu kgotsa seloko ya go tshameka. - Tsamaya mo thadisong ya popego ya khutlonnetsepa. Fa o nitse o tsamayLetlelela barutwana go : Motlotlo"ke tsamaya go bapa le khutlonnetsepa,letlhakore le lengwe le le telele,lelengwe le le khutshwane,le lengwe le le telele, le lengwe le le khutshwane. - Phopholetsa popego, Dirisa popego e tonna thata kgotsa tsenya dipopego tse di farologaneng mo kgetsaneng e o kgonang go e phopholetsa. O nne le sete ya dikarata tsekedimo e o e bapisang ya dipopego. Morutwana o phopholetsa popego mo teng ga kgetsana le go e bapisa le dikarata tsekedimo. - Thala popego ya khutlonnetsepa mo moyeng, mo fatshe ka tshoko, mme kwa bofelong mo letlhare la pampiri. 	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng	Letsatsi 1
208	PEGELO YA PHOLISI YA KHARIKHULAMO LE TLHATLHOB	Karata tsekedimo ya metshameko e e godisang temogo ya dipopego. Ulu kgotsa seloko ya motshameko. "Kgetsana e o kgonang go e phopholetsa" ka dipopego tsa thutatekano Sete ya dikarata tsekedimo tse di bapiswang tsa dipopego mo go tsona. Pampiri ya A4 le kerayone. Didiriswa tsa khutlonnetsepa mo phaposing Dipopego tsothe tse di ithutilweng go fitlha jaanong: Ditswantsho tse di farologaneng ka dipopego mo go tsona 		


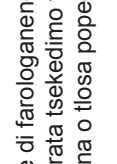
Beke 31 Kitsiso		Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)																																											
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng																																										
5.1 Kgobokanya o tlhaole didiriswa mo tikologong go ya ka diponagalo tse di kailweng	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Gatelela kgopolo ka ga dipalo tsa tshedimisetso ka go kgobokanya didiriswa mo phaposing kgotsa mo tikologong go ya ka diponagalo tse di kailweng sekao :malatsi a barutwana a matsalo Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3-D) Kgobokanya le go tlhaola tshedimisetso <ul style="list-style-type: none"> - O dirisa karata tsekedimo ya malatsi o a matsalo, thomamisa gore ke malatsi a matsalo ke kgwedi efe. - Barutwana ba thusa go dira kerafo go bona gore ke kgwedi efe e malatsi a matsalo a le mantis ka yone. - Morutabana o thala kerafo ya dikgwedi di le 12 mo ngwageng. - Ka thuso ya morutabana letlelela barutwana go : thala kerafo go ya ka maemo a barutwana a matsalo mo kgweding. 	<p>Karata tsekedimo ya malatsi a matsalo</p> 	Boleele jwa nako jo bo lekanyeditsweng																																										
5.2 Thala didiriswa tse di tlhaotseng	<p>5.2</p> <table border="1"> <thead> <tr> <th>Ferikgong</th> <th>Tlhakole</th> <th>Mopitlwe</th> <th>Moranang</th> <th>Motshaganong</th> <th>Seetebosigo</th> <th>Phukwi</th> </tr> </thead> <tbody> <tr> <td>Sipho</td> <td>David</td> <td></td> <td>Nelson</td> <td>Kabelo</td> <td>Selina</td> <td>Thabo</td> </tr> <tr> <td>Martha</td> <td>Bongi</td> <td></td> <td>Jacob</td> <td>Pat</td> <td>Liz</td> <td>Jane</td> </tr> <tr> <td>Helen</td> <td>Claire</td> <td></td> <td>Tim</td> <td>Thandi</td> <td>Titus</td> <td></td> </tr> <tr> <td>Dolly</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>3</td> <td>0</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> </tr> </tbody> </table> <ul style="list-style-type: none"> - Barutwana ba bala maina ba bo ba a kwala dipalo ya malatsi a botsalo ka fa tlase ga kgwedi e nngwe le e nngwe. - A barutwana ba bapisa dipalo ya malatsi a matsalo a dikgwedi tse di farologaneng. Morutanana o botsa dipotso di tshwana le: <ul style="list-style-type: none"> - "Ke kgwedi efe e nang le malatsi a matsalo a mantis?" - "Ke kgwedi efe e nang le malatsi a matsalo a mannye?" - "Ke dikgwedi dife tse di nang le dipalo e e tshwanang ya malatsi a matsalo? Le e e lekanang" - "Ke dikgwedi dife tse di nang le basimane ba le bantsi ba ba ketekang malatsi a matsalo?" - "Ke dikgwedi dife tse di nang le basetsana ba le bantsi ba ba ketekang malatsi a matsalo?" 	Ferikgong	Tlhakole	Mopitlwe	Moranang	Motshaganong	Seetebosigo	Phukwi	Sipho	David		Nelson	Kabelo	Selina	Thabo	Martha	Bongi		Jacob	Pat	Liz	Jane	Helen	Claire		Tim	Thandi	Titus		Dolly							4	3	0	3	3	3	2	<p>Karata tsekedimo ka leina la morutwana mo go yona.</p> <p>Thala dikolomo di le 12 mo pampimosako e tonna .Supetsa ka karata tsekedimo ya leina gore malatsi a botsalo a barutwana ke leng.Dirisa +- dipampiri tse 3 tsa A2 ka dikolomo tse 12 di thadiwe mo go yona.</p>	
Ferikgong	Tlhakole	Mopitlwe	Moranang	Motshaganong	Seetebosigo	Phukwi																																							
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5.3 Tlhalosa le go neela pegelo ka didiriswa tse di tlhaotseng	<p>5.3</p> <p>Tlhalosa le go neela pegelo ka didiriswa tse di tlhaotseng</p> <ul style="list-style-type: none"> - Barutwana ba buisana ka ditshwetso tse di latelang: <ul style="list-style-type: none"> - Ferikgong e na le malatsi a mantisi a matsalo.Barutwana ba le bane ba keteka malatsi a bone a matsalo ka Ferikgong. - Ka Mopitlwe ga go na malatsi a matsalo. Go kgwedi e le nngwe mo barutwana ba senang malatsi a matsalo. - Dikgwedi tse dingwe di na le dikgwedi tse di lekanang tsa malatsi a matsalo jalo jalo.Ke dikgwedi dife tseo? 																																												

Beke 32 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
1.1 Bala didiriswa	<p>Gatelela ka ga kitso e amogetsweng mo bekeng ya 31 e akaretsang palo 8</p> <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha ka 8. Balela ka pele le kwa morago go fitlha ka 8. Balela kwa godimo o ipoeletsa 1-10</p> <p>Gatelela ka go bala letsatsi bopedi o dirisa diraeme tsa dipalo</p> <p>Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA.</p> <p>Opa diatla go gonye. Morutabana o opa diatla go fitlha ka 8 Botsa gore o opile diatla gantsi/gannye</p>	Dipina tsa dipalo le diraeme	Letsatsi 1
	<p>Metshameko ya go dirisa mmele</p> <p>A re tshameke motshameko:</p> <ul style="list-style-type: none"> - Morutabana o tshameka ka seletswa sekao: moropa. - Barutwana ba huduga ba potologa mo phaposing. - Fa moropa o didimma,morutabana o bitsa dipalo fa gare ga 1 go fitlha ka 8, barutwana ba ithulaganya ka ditlhophha tse dinnye sekao morutabana o bitsa barutwana ba 8,mme barutwana ba ithulaganya ka ditlhophha tsa 8 - Supetsa menwana e 8 mo diatleng tso pedi tsa gago. - Bopa disete ka barutwana.Thala didiko tse di kgolo mo motlhabeng mo fatshe. Letlelela barutwana go bopa ditlhophha tsa bo 8 mo teng ga sediko.Ditlhophha tsa bo 8 di ka dira ditiro tse di rileng mmogo mo tsamaong ya letsatsi sekao: tshameka mo sekhutlwaneng sa boloko, go ya kwa lefelong la thuto ya botsweretshi. 	Moropa	


Beke 32 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.1</p> <p>Dirisa dipalo mo tirisong e e tlwaelegileng</p>	<p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanotlhakoretharo (3-D)</p> <p>Letelela barutwana:</p> <ul style="list-style-type: none"> - Dirisa dibadisi go lemoga gore ke dipalo efe tlang pele ga 8 le morago ga 5? Ke dipalo efe e e fa gare ga 6 le 8? - Bala didiriswa ka bobedi: <ul style="list-style-type: none"> o Para ya ditlhako, o Para ya dikaushu o Para ya matho, o Para ya manyena o Para ya ditsebe, o Para ya maoto <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Fa morutabana a tsaya rejisetara ya go tsena o botsa dipotso :” A morutwana ka dipalo kgotsa aterese ya ntlo -----o teng fa ? ”Morutwana o tshwanetse go araba a bontsha fa le teng. - Boeletsa tirwana e, ka letsatsi je le latelang ka go dirisa dipalo ya mogala kgotsa dipalo ya mogala wa lotheka. 	<p>Dibadisi</p> <p>Para ya ditlhako, dikaushu, manyena</p> <p>Dikarata tsekedimo ka dipalo ya morutwana ya mogala le aterese</p>	

<p>Beke 32 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	
<p>1.7 Tlhakanyo le Tloso</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Rarabolola dipalo tsa mafoko ka go Motlotlo (dipalo tsa kgang) di akaretsa palo 8 Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Morutabana o thusa barutwana go dira sethlopha sa bo 6 le sethlopha se sengwe sa bo 2: le - Kopanya ditlhopho tse pedi go dira sethlopha se le sengwe. - Botsa barutwana gore ke barutwana ba le kae mo sethlopheng se se kopantsweng? 6 le 2→8.(Morutabana a re: 6 le 2 di go naya 8) - Sethlopha sa 8 mmogo.Tloso barutwana ba 3 mo sethlopheng se sennye.Go sala barutwana ba ba bakae mo sethlopheng se segolo sa 8 ? Dira sethlopha sa barutwana sa 8 tloso 3→5. - Tlhopho barutwana babedi o dirisa raeme ya go bala. - Baya dithupana tse 4 mo seatleng sa morutwana a le mongwe le dithupana tse 4 mo seatleng sa morutwana yo mongwe. Go dithupana tse kae tsothe jaanong? 4 le 4→8. <p>Dirisa dikgonngwa go ruta ka didiriswa tsa tekantloha (3-D) Naya morutwana mongwe le mongwe dithupana di le 8.</p> <ul style="list-style-type: none"> - Tshidi o na le dithupa di le 6, tsala ya gagwe e na le dithupana tse 2. Ba na le dithupana tse kae tsothe? 6 le 2→8. - Monica o na le dithupana tse 8. O lathegelwa ke dithupana tse 2.Monica o na le dithupana di le kae tse di setseng? 8 o tloso 2→ 6. <p>Dirisa dikadikgonngwa go ruta ka ga didiriswa tsa tekatekanyopedi (2-D) kgotsa ditshwantsho</p> <ul style="list-style-type: none"> - Morutabana o baya ditshwantsho tse 2 mo borotong ya folanele.O oketsa ka ditshwantsho tse 5.Go na le ditshwantsho tse kae jaanong? 2 le 5→7. - Baya dipopego tse 8 mo borotong ya folanele .Tloso tse 5.Go setse tse kae?. 8 o tloso 5□3. 	<p>Ditlhopho tsa barutwana</p> <p>Dithupa</p> <p>Raeme ya go bala:</p> <p>Dithupana</p> <p>Raeme: 1, 2, 3, 4, 5</p> <p>Gangwe ka tshwara tlhapi e tshela 6, 7, 8, 9, 10</p> <p>Ka e tlogela e itsamaela gape</p> <p>Dithupana</p> <p>Boroho ya folanele.</p>	<p>Letsatsi 1</p>


Beke 32 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo				Letsatsi 1
2.1 Dipaterone tsa tekano	<p>• Kopisa le go atolosa paterone ka go reetsa</p> <p>Metshameko ya go dirisa mmele</p> <p>Barutwana ba tsamaya go ya ka morethetho wa mmimo, ba dirisa mebele ya bone. sekao .</p> <ul style="list-style-type: none"> - Gata,gata,tlola,tlola..... - Tlola ka leoto le lengwe, tlola ka leoto le lengwe,tlola ka maoto a mabedi,tlola ka maoto a mabedi..... 	<p>Dirisa dikgonngwa go ruta ka ga tekanyothakoretharo (3-D)</p> <p>Tsenyeletsa botsweretshi jwa tiragatso (mmimo) mo serutweng tsa dikgono tsa botshelo</p> <p>Barutwana ba tsamaya ka morethetho wa mmimo ka diatla a bona le go ama dirope tsa bone sekao.</p> <ul style="list-style-type: none"> - Opa,opa,itaya leoto fa fatshe,itaya leoto fa fatshe(opa diatla le go itaya dirope ka diatla). - Morutabana o dira dikarata tsekedimo tsa morethetho le barutwana ba boeletsa ka go opa diatla ba latelela morethetho (ba dirisa diatla go opa diatla le go itaya maoto sekao: 	<p>Go tshameka mmimo o dirisa dikarolo tsa mmele</p>	
		<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 </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">  TT TT </div> </div>		
		<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 </div> <div style="border: 1px solid black; padding: 5px; text-align: center;">  TT TT </div> </div>		
		<ul style="list-style-type: none"> - Opa,opa,itaya leoto fa fatshe,itaya leoto fa fatshe..... - Opa,goeletsa,opa, goeletsa,opa,goeletsa..... 		

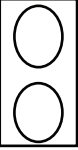
Beke 32 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>3.3 Dipopego tsa tekanothakorepedi (2-D)</p>	<p>Lemoga , tthaola le go tihalosa dipopego tsa tekanyothakore</p> <ul style="list-style-type: none"> • Gatelela kitso ka ga khutlonnetsepa <p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Dirra/bopa dipopego ka mebele ya bone sekao barutwana ba le 4 ba bopa khutlonnetsepa ka mebele ya bone. - Bopa khutlonnetsepa ba dirisa menwana ya bone. - Bopa khutlonnetsepa ba dirisa dithupana tsa mokgwaro e 6. 		<p>Dikarata tsekedimo tsa motshameko tse di godisang temoso ya dipopego.</p> <p>Dithupana tsa mokgwaro</p> <p>Ulu kgotsa seloko ya go tshameka.</p> <p>“Kgetsana e e phopholediwang” ka dipopego tse di farologaneng tsa thutatekano.</p>	<p>Letsatsi 1</p>
	<ul style="list-style-type: none"> - Dirra/bopa khutlonnetsepa ka dikarolo tsa wulu kgotsa tege ya go tshameka. - Tsamaya mo mothalo-ntle wa popego ya khutlonnetsepa. - Tshwara dipopego.baya dipopego tse di farologaneng mo kgetsaneng e phopholediwang. Nna le sete ya dikarata tsekedimo tse di tshwantshiwang tse di thadiiweng mo dipopegong. Morutwana o tlosa popego mo kgetsaneng le go bapisa dikarata. - Thala dipopego tsa khutlonnetsepa mo moweng, motlhaba , mo folurung fa fatshe le kwa bofelong mo lethareng la pampiri. 		<p>Akaretsa dipopego tse ditonna le tse dinnye le dikhutlotharo tsa dikhutlwana tse di farologaneng mo teng ga kgetsana e e phopholediwang sekao.</p>	<p>Dikarata tsekedimo tse di bapisiwang le dipopego tse di tshwantshitsweng mo go tsona</p> <p>Pampiri ya A4 le dikerayone</p>

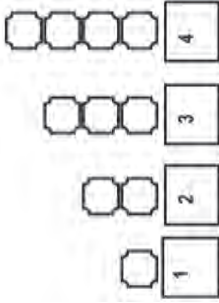
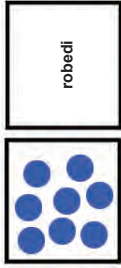
Beke 32 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)		
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>3.3 Dipopego tsa tekanothakorepedi (2-D)</p>	<p>Dirisa dikadikgonngwa go ruta ka ga dipopego tsa tekatekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Letlelela barutwana go batla didiriswa tsa matlhakoremapitekanyo ya khutlonnetsepa mo phaposing. <p>Tshameka motshameko: "Ke efe e e nyeletseng?"</p> <ul style="list-style-type: none"> - Baya nomoro ya dipopego tsa tekanothakorepedi (2-D) (e seng dipopego tse di fetang tse 5) mo karolwaneng ya pampiri fa gare ga mmetshhe sekao dipopego go tswa mo motshamekong wa dipopego tsa Logi. - Buisana le barutwana ka ga popego e nngwe le e nngwe. - Naya barutwana tshono ya go ithuta ka tlhogo mefuta ya dipopego mo karolwaneng ya pampiri. - Barutwana ba tswala matlho a bone. - Morutabana o tlosa nngwe ya dipopego. - Barutwana ba tshwanetse ba bule matlho le go supa popego e e nyeletseng. - Boeletsa tirwana e. - Tsweletsa kgodiso ka ga dipopego tsa tekatekanyetso thuto ka go neela dikarata tsekedimo tse di farologaneng tsa motshameko jaaka "ke eng se se mo khutlonneng" kgotsa motshameko mongwe le mongwe o leng teng. 	<p>Didiriswa tsa khutlonnetsepa tse di mo phaposing.</p> <p>Dipopego tse di farologaneng sekao dipopego tsa Logi.</p>	

<p>Beke 32 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+-5 ditirwana tsa dipalo mo bekeng)</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng Letsatsi 1</p>
<p>Setlhogo</p>	<p>Maemo a didiriswa tse pedi kgotsa tse dintsi ka kamano go e nngwe Metshameko ya go dirisa mmele Letlelela barutwana:</p> <ul style="list-style-type: none"> - Ema fa gare ga didiriswa tse pedi kgotsa barutwana le babedi. - Ema go bapa le mosetsana ka mosese o o botala jwa loapi. - Ema go bapa le mosimane ka diramphešhane tse di khonou - Tsamaya fa gare ga dibokoso. - Gagaba o potologa tafole. - Gagabela ka fa tlase ga setilo. - Baya setilo fa pele ga gago. - Baya setilo ka fa morago ga gago. - Ema fa godimo ga setilo. - Dula mo setilong. - Baya setilo mo godimo ga gago. - Baya setilo go bapa le wena. - Baya setilo mo lethakoreng la molema/le mo lethakoreng ;la moja. 	<p>Dirisa didiriswa go ruta ka ga tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Letlelela barutwana go feleletsa diphasele ka ditshwantsho tsa batho kgotsa diphologolo. - Tsenya thapo mo dibageng go ya ka ditaelo tsa morutabana sekao tsenya sebaga se se khibidu, tsenya sebaga sa mmala yo o tala go bapa le mohibidu jalo jalo. - Tsenya dibaga go ya ka setshwantsho se se neilweng se latelelana. <p>Dira ka ditlhopho tse dinnye.Murutabana o naya morutwana mongwe le mongwe papetlana ya diphekese le diphekese tse di tletseng ka seatla..</p> <p>Naya ditaelo tse di latelang:</p> <ul style="list-style-type: none"> - Baya diphekese tse pedi tse khibidu kwa sekhutlaneng se se kwa molemeng. - Baya phekekese e le nngwe e tala kwa mojang wa phekekese e khibidu. - Baya phekekese e le nngwe e botala jwa loapi mo tlase ga tala jj. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) Thala batho kgotsa diphologolo kwa ntle ga matsogo/maoto le go kopa barutwana go di feleletsa.</p>	<p>Ditulo tse 2 .</p>	<p>Diphasele</p> <p>Dibaga</p> <p>Boroto ya diphekese le diphekese</p> 



<p>Beke 33 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofso e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>
<p>1.1 Bala didiriswa</p>	<p>• Gatelela kitso e e amogetsweng mo bekeng ya 31 le 32 e e akaretsang dipalo 1 go fitlha go 8 Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha ka 8. Baela ka pele le kwa morago go fitlha ka 8. Baela kwa godimo o ipoeletsa 1-10 Gatelela go Bala letsatsi bo pedi o dirisa diraeme Gatelela palokemotatelano: Morutabana o paka didiriswa tse 8 mo moleng. O supa sediriswa a ntse a bala ya ntho, ya bobedi, ya boraro, ya bone, ya bothano. Gatelela dikgopolo ka ga “bontsi le “bonnye”. Opa diatla gantsi.....EMA. Opa diatla go gonye. Morutabana o opa diatla go fitlha ka 8 Botsa gore o opile diatla gantsi/gannye</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Barutwana ba dirisa mebele ya bone go bopa matshwaopalo. - Morutabana o dira dipalo go tswa mo didirisweng tse di farologaneng, barutwana ba a di phopholetsa sekao pampiri ya motlhaba, seloko/thudi. - O bua diraeme tsa dipalo/o opela dipina. <p>Dirisa dikgonngwa go ruta ka ga didiriswa tsa tekanothakoretharo (3 -D)</p> <ul style="list-style-type: none"> - Dirisa didiriswa jaaka diboloko le diphologolo tsa polasitiki. - Di bale, di tihaole, baya tse robedi mo moleng jalo jalo. <p>Kgaoganyana barutwana ka dithopho. Baya mokoa wa diphologolo tsa polasitiki mo gare ga setlhopho sengwe le sengwe: Letla barutwana go :</p> <ul style="list-style-type: none"> - Dira ka dipara mo dithopheng le go fopholetsa gore diphologolo di kae mo thotong. - Para e nngwe le e nngwe e tsaya dikarata tsekedimo tsa dipalo a di bapisa dipalo - Bala dipalo e e siameng ya diphologolo. - Barutwana ka bobedi ba ka nna ba bewa letshwao la na ledi mo phatlheng tsa bone. - Boeletsa ka go baya palo ya diphologolo tse di farologaneng fa gare ga mmetsho. 	<p>Letsatsi 1</p> <p>Dipina tsa dipalo le diraeme</p> <p>Matshwaopalo a matonna a dirilwe ka pampiri e magwasipa</p> <p>Diboloko le diphologolo tsa polasitiki</p> <p>Diphologolo tsa polasitiki tsa dipolase tse 9 Disete tse di mmalwa tsa dikarata tsekedimo tsa matshwao.</p> <p>Go akgola o dirisa matshwao a dina ledi</p>

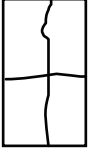
<p>Beke 33 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>1.3 Matshwaopalo le dipaloina</p>	<p>Lemoga matshwao a dipalo le mainapalo a akaretsang dipalo tse di simololang ka 1 go fitlha ka 8</p> <p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Bapisa matshwaopalo le ditshwantsho tse di maleba. - Morutwana a tthaganyane gore sethopho sa didiriswa se ka nna le palo e e tshwanang ya didiriswa. tse di fopholeditsweng. 	<p>Dikarata tsekedimo tse di nang le ditshwantsho le matshwaopalo</p> <p>Dibadisi</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Seishwantsho sa didiriswa tse 8</p>  </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>8</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>robedi</p> </div> </div> <p>Sete ya dikarata tsekedimo tsa dipalo tse di akaretsang palo e e simololang ka 1 go fitlha ka 8</p>
	<p>Barutwana ba supe sediriswa sengwe le sengwe fa ba ntse ba bala.</p> <ul style="list-style-type: none"> - Barutwana ba tshwanetse ba kgone go bapisa sediriswa sengwe le sengwe go didiriswa tse dingwe sekao papiso ya pelo e le nngwe go letsatsi le le lengwe. - Bapisa karata tsekedimo e e nang le setshwantsho, karata tsekedimo ya marontho, letshwaopalo le karata tsekedimo ya leinapalo e e nang le dibadisi tse di tshwanang. 	

Beke 33 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng
<p>1.4 Tihalosa, bapisa le Thulaganyo ya dipalo</p> <p>• Rulaganya le go bapisa didiriswa tse di kgobokantsweng o dirisa “go feta, / go nnye go feta” le “go lekana le” go fitlha go 8</p> <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha go 8 Balela kwa pele le kwa morago go fitlha ka 8.</p> <p>Dirisa dipalo go raema go gatelela o bala ka bobedi. Gatelela kgopolo ka “bontsi” le “mmalwa” Opa diatla gantsi EMA. Opa diatla mmalwanyana.Murutabana o opa diatla go fitlha ka 8.</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o baya diboloko di le 8 mo godimo ga tafole. Kwa ntle ga go di bala ba fopholetsa palo ya diboloko - Morutabana o a botsa: <ul style="list-style-type: none"> o “A go na le diboloko di le dintsi go feta tse 3?” o Barutwana ba tihomamisa karabo ya bona ka go bala diboloko” o “Phopholetso ya gago e bogaufi jo bokae ?” o <p>Dirisa didiriswa tsa di kgonngwang tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Bopa ditlhopho tsa barutwana ka bone. Naya setlhopho sengwe le sengwe dibadisi di le 8 le kaba tse ditonna tse pedi go tshwantshitswe didiko tse pedi mo go tsone. Bitsa didiko o re dintlhaga. - Mo ditaelong tsa morutabana, barutwana ba baya dibadisi mo sentlhageng sengwe le sengwe le go Motlotlo gore Dibadisi di kae. - Barutwana ba bapisa “dintlhaga” le go tihomamisa gore ke sentlhaga sefe se se nang le palo ya dibadisi tse dintsi go feta” “nnye go” “e tshwana le” kgotsa “e lekana le” 	<p>Dipina tsa palo le diraeme</p> <p>Diboloko</p> <p>Dibadisi</p> <p>Kaba ya A4 e e nang le dintlhaga tse pedi tse di tshwantshitsweng mo go yone.</p> 	<p>Letsatsi 1</p>

Beke 33 Kitsiso			
Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)			
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlegenesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.4</p> <p>Tihalosa, bapisa le Thulaganyo ya dipalo</p>	<p>Kgaoganya barutwana ka ditlhopho</p> <ul style="list-style-type: none"> - Naya setlhopho sengwe le sengwe popego taese tse dintsi le sete ya dikarata tsekedimo tsa letshwaopalo tse di akaretsang palo e simololang ka 1 go fitlha ka 8 - Letlelela ditlhopho go aga diterio le go tshwaya torio nngwe le nngwe go ya ka palo ya popego taese tse dintsi sekao: 	<p>popego taese</p> <p>Dikarata tsekedimo tsa matshwaopalo 1-8</p>	
<p>1.13</p> <p>Tlhakanyo le Tloso</p>	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa didikgongngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o bontsha dikarata tsekedimo tse pedi tse di farologaneng tse di nang le palo ya marontho a farologaneng le ditshwantsho mo go tsona. - Letlelela barutwana go bapisa dikarata tsekedimo tsa ditshwantsho le marontho gore ba kgone go lemoga gore ke tsefe tse dintsi go feta”, tse dinnye go” le tse di lekanang le”. 	<p>Lerontho le karata tsekedimo ya setshwantsho</p> 	Letsatsi 1
	<ul style="list-style-type: none"> • Rarabolola mathata a boletsweeng a tlhakanyo le tloso go fitlha 8 <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha ka 8.</p> <p>Balela kwa pele le kwa morago go fitlha ka 8.</p> <p>Gatelela go Bala letsatsi bopedi o dirisa diraeme tsa dipalo.</p> <p>Gatelela kgopolo ka ga “bontsi” le “mmalwa”.</p> <p>Opa diatla gantsi.....EMA.</p> <p>Opa diatla mmalwanyana.Murutabana o opa diatla go fitlha ka 8.</p> <p>Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye.</p>	<p>Dipina tsa palo le diraeme</p>	



<p>Beke 33 Kitsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>1.13 Tlhakanyo le Tloso</p>	<p>Metshameko ya go dirisa mmele Dikai:</p> <ol style="list-style-type: none"> Murutabana o biletsa barutwana ba le 3 kwa pele. Barutwana ba a ba bala. Murutabana o bitsa ba bangwe ba babedi le go ba botsa gore go barutwana ba le kae botlhe? 3 le 2→5(Murutabana a re: 3 le 2 di dira 5) Murutabana o pakolola ditulo tse 2. O oketsa ka tse 2. Ditulo di kae jaanong? 2 le 2→4. Murutabana o tsholetsa letsogo le lengwe. A re "Bala menwana ya me. Fa ke fitlha monwana o le mongwe, o bona menwana e le kae? 5 re tlosa 1→4. Letelela barutwana go bala menwana mo go lengwe la diatla tsa bone. Fitlha monwana o le mongwe, o bona menwana e le kae? 5 o tlosa 1→4. <p>Tiriso ya dikgonngwa tsa didiriswa tsa tekanothakoretharo (3-D) Letelela barutwana go pakolola dibadisi tse 6 le go dira se se latelang:</p> <ul style="list-style-type: none"> Murutabana o naya morutwana mongwe le mongwe dibadisi di le 6. Murutabana o neela ka ditaelo mme barutwana ba a araba sekao: pakolola dibadisi tse 2, oketsa ka tse 3. tsotlhe di kae ?. 2 le 3 → 5. Bala dibadisi tse 4. Bala tse 2 go tloga ka mne.O na le tse kae jaanong? 4 le 2 → 6. Bala dibaga tsotlhe tse o nang le tsona. Fa o huparela dibaga tse pedi ka seatla sa gago.o bona dibaga tse kae? 6 o tlosa 2 → 4. <p>Dirisa dipopego kgotsa ditswantsho tsa dikadikgonngwa tsa tekanothakorepedi (2-D) Dira malepa /malea a dipalo le go letelelela barutwana go tlotlhomisa ka go a dirisa malea/ diphasele.</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>didiriswa kgotsa dibadisi</p> <p>Malepa/diphasele tsa dipalo</p>

Beke 33 Kitsiso	Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)
Setlhogo	Dintlha tsa tihaloso
<p>3.3 Dipopego tsa tekanothakorepedi (2-D)</p>	<p>Lemoga , tthaola le go tihalosa dipopego tekanothakorepedi (2-D)mo ditshwantshong . Ponokakanyo</p> <ul style="list-style-type: none"> • Tihopha dikarolo go tswa go palo e e feletseng <p>Metshameko ya go dirisa mmele</p> <p>Morutabana o tihalosa sediriswa le go botsa barutwana gore ke eng sekao:</p> <ul style="list-style-type: none"> - "Ke gopotse sengwe se se khibidu, se na le maotwana a le mane, dikgoro tse nne le lethabaphefo le le bulegang,e dira modumo "wroom" .Tiro e e ka dirwa ka dithopha mme ya fotelelwa go nna kgaisano - setlhopha se sengwe se tshwanetse go tthalosa , se sengwe se tshwanetse go fopholetsa sediriswa seo." - Tihalosa motho o laele barutwana go tihopha motho yoo. <p>Dirisa dikadikgonngwa tsa dipopego tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Bontsha morutwana setshwantsho le go mo letlelela go se lebelela. Se tlose ,o kope morutwana go tthalosa ka bottalo se a se gopolang. - Tsaya ditshwantsho ka bongwe ka bongwe. Segolola dikarolwana go tswa mo ditshwantshong. Tsenya dikarolwana le ditshwantsho mo teng ga lebokoso, kopa barutwana go lebelela dikarolwana tsa setshwantsho se se tihaelang sa setshwantsho se ba se ntshitseng. - Thala ditshwantsho tse di sa felelang mo lethareng la pampitshana mme lo lope barutwana go feleletsa setshwantsho.
	<p>Dithusa-thuto tse di atlegenesitsweng</p> <p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p>
	<p>Setshwantsho sengwe le sengwe</p> <p>Ditshwantsho ka dikarolwana tse di segolotsweng</p> <p>Setshwantsho se se sa felelang</p>  


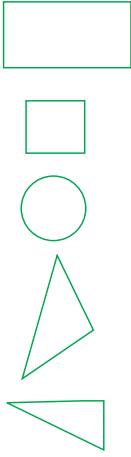
<p>Beke 33 Kitsiso</p>	<p>Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutabana (mosako) +- metsofo e le 30 ka letsatsi (+- 5 ditirwana tsa dipalo mo bekeng)</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusa-thuto tse di atlegenesitsweng</p>
<p>3.4 Tekano</p>	<p>Godisa temoso gore mmele wa motho o na lethakore la moja le la molema tse di kgonang go tshikinyega di ikemetse . Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Tsenya rekere mo letsogong la morutwana mongwe le mongwe la moja. - Opela pina ya go itshikinya "ke tsenya leoto la me la moja mo teng" <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Go baya seatla sa moja mo ditlhogong tsa bona. - Ama lengole la molema ka sekgono sa moja. - Ama legetla la moja ka letsogo la molema jalo jalo 	<p>Boleele jwa nako jo bo lekanyeditsweng</p> <p>Letsatsi 1</p>
	<p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyothakoretharo 3-D</p> <p>Naya morutwana mongwe le mongwe boloko jwa go aga Letlelela barutwana go dula mo mmetsheng le :</p> <ul style="list-style-type: none"> - Baya boloko mo lethakoreng la moja/ mo lethakoreng la molema. - Mo legetleng la molema / le la moja. - Mo lengoleng la molema / le la moja. - Mo leotong la molema / le la moja jalo le jalo. 	<p>Dipina tse di opelwang o itshikinya/raema sekao .: " ke baya kgato ya molema mo"</p>
	<p>Tiriso dikadikgonngwa tsa dipopego kgotsa ditshwantsho tsa tekatekanyo tlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutwana mongwe le mongwe o newa lethhare la pamphitshana le kerayone. - Letlelela barutwana go thala mola mo gare ga lethhare la pamphitshana go tloga kwa godimo go ya kwa tlase le mola o mongwe fa gare go tloga kwa molemeng go ya kwa mojeng. - Morutabana o neela ditaelo: <ul style="list-style-type: none"> o Baya monwana wa gago mo gare ga sefapano. o Thala sediko mo godimo kwa molemeng wa boloko. o Thala khutlotharo mo bolokong kwa tlase mo mojang. o Thala khutlo-nne mo bolokong mo mojang kwa godimo. o Thala khutlone-tsepa mo bokolong mo molemeng kwa tlase . - Tlotlang ka setshwantsho sa posetara. Barutwana ba araba dipotso tse di ba kgontshang go tihalosa (kwa ntle ga go supa) maemo a dilo mo ditshwantshong. 	<p>Boloko ya mongwe le mongwe</p> <p>Lethare la pamphitshana</p> 


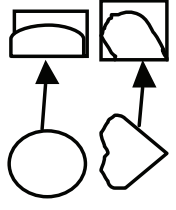
Nako e tshithintsweng ya go ruta : Tirwana e le nngwe e baakantsweng e kaelwa ke morutabana (mosako) ya ± 30 metsotso ka letsatsi(± 5 Ditirwana tsa beke tsa dipalo)			
Beke 34	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>1.1</p> <p>Bala didiriswa.</p>	<p>Tlhagiso ya bokao jwa palo ya ga 9</p> <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha go 9.</p> <p>Balela kwa pele le kwa morago go fitlha go 9.</p> <p>Gatelela ka go bala ka bobedi o dirisa dipalo tsa go raema.</p> <p>Gatelela lebaditatelano:</p> <p>Murutabana o paka didiriswa tse 6 mo moleng.Supa sediriswa sengwe le sengwe o ntse o bala : sa ntlha, sa bobedi,sa boraro,sabone,sa botlhano,sa borataro .</p> <p>Gatelela kgopolo ka ga “bontsi” le “mmalwa”</p> <p>Opa diatlha gantsi.....EMA.</p> <p>Opa diatlha mmalwanyana.Murutabana o opa diatlha go fitlha go 9.</p> <p>Botsa gore ke palo efe ya go opa diatlha e e ntsi/tlase.</p> <p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - Bala go fitlha go 9 o ntse o palama mepalamo. - Thala palo ya ga 9 mo mmung / foluru / fa fatshe mme o tsamaye mo godimo ga yone. - Opa diatlha ga 9. - Lemoga dipalo tsa 1 - 9 ka matshwao a dipalo tsa disete tse dikgolo. - Dirisa dikakanyo tsa gago go letlelela barutwana go itemogela bokao jwa palo ya 9 ba dirisa mebele ya bone. 	<p>Dipina tsa palo le diraeme</p> <p>Baakanya matshwaopalo a matonna</p>	<p>Malatsi 2</p>

Nako e tshithintsweng ya go ruta :			
Tirwana e le nngwe e baakantsweng e kaelwa ke morutabana (mosako) ya ± 30 metsotso ka letsatsi(± 5 Ditirwana tsa beke tsa dipalo)			
Beke 34	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>1.6</p> <p>Dithegeniki tsa tsa tharabololo ya dipalo</p>	<p>Tiriso ya dikgonngwa tsa tekanotlhakoretharo (3-D)</p> <p>Morutabana o bopa molapalo kgotsa lere ya dipalo mo folurung kgotsa fa fatshe</p> <ul style="list-style-type: none"> - Morutabana o neela ditaelo di tshwana le: - Simolola ka nako tsothle ka go ema fa godimo ga lefela kgotsa o simolole fa go lefela. - Bala ka nako tsothle o ntse o tsamaya. - Tswelela go ya kwa palong ya 5. Boela kwa morago go 2. Tsamaela kwa pele go 8. - Tswelela go ya kwa go 8. Tsamaela kwa pele go 1. Tsamaela kwa morago go 2. - Ke palo efe e latelang mo morago ga 3? - Ke palo efe e tlang pele ga 7 - Godisa temoso ka ga tshomarelo ya dipalo ka go letlelela barutwana go paka dibadisi tse robongwe kgotsa go paka didiriswa ka diitela tse di farologaneng sekao:  <p>Fa o bala, palo ya didiriswa ga e amiwe ke bogolo jwa tsone, kgotsa maemo kgotsa ke mefuta e e tshwanang sekao:</p> <ul style="list-style-type: none"> - Rulaganya ditlama di le 9, dipensele tse 9, dihula hupu tse 9, barutwana ba le 9 jalo jalo. - Bala go ya ka dithulaganyo tse di farologaneng, sekao di bale o di anamitswe, di bapile, mo moleng kgotsa di tlathagane. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikgonngwa tsa tekanotlhakorepedi (2-D)</p> <p>Dirisa palo ya 9 mo tirisong e e tlwaelegileng</p> <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Bapisa karata tsekedimo ya setshwantsho le ya marontho a a tshwanang. Paka palo ya dibadisi tse di tshwanang. 	<p>Lere ya dipalo</p>	<p>Malatsi 2</p>


Beke 34	Nako e tshithintsweng ya go ruta : Tirwana e le nngwe e baakantsweng e kaelwa ke morutabana (mosako) ya ± 30 metsotso ka letsatsi(± 5 Ditirwana tsa beke tsa dipalo)	
Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng
<p>1.3 Matshwaopalo le dipalo</p>	<p>• Lemoga matshwao a palo le la leinapalo Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Baya didiriswa di le 5 mo moleng. - Letlelelwa barutwana go di lebelela ka leitlho le lentshotsho. - Barutwana ba lebelela go sele mme morutabana o tlosa sediriswa se le sengwe. - Barutwana ba tshwanetse go mmolelela gore ke sediriswa sefe se se tlositsweng. - Busetisa didiriswa le go boeletsa kgapetsa kgapetsa le go tswela ka go tlosa didiriswa tse 2 kgotsa go feta. <p>Letlelela barutwana :</p> <ul style="list-style-type: none"> - Tlhopho letshwaopalo la 9 le leinapalo fa gare ga dikarata tsekedimo tse dingwe. - Baya karata tsekedimo ya letshwaopalo mo thulaganyong e e siameng fa fatshe. - Baya karata tsekedimo ya letshwaopalo mo thulaganyong e e phatlhaletseng. <p>Kgaoganya barutwana ka ditlhopho tse dinnye. Morutabana o naya setlhopho sengwe le sengwe dikarata tsekedimo tsa letshwaopalo.</p> <p>Neela barutwana ditaello sk:</p> <ul style="list-style-type: none"> - Ama palo 4, baya sekgono sa gago fa palong ya 8, dula fa godimo ga 3, dikologa palo ya bo 5 ga thano jalo jalo. - Tshameka metshameko ka go golaganya palo ya dibadisi ka leinapalo, letshwaopalo, marontho le ditshwantsho. - Nefetatsa gore letshwaopalo le leinapalo ka gale le golagannwa le palo ya didiriswa tse di tshwanang. 	<p>didiriswa tse 5 (go gopola go ya ka pono)</p> <p>Dibadisi</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Setshwantsho sa didiriswa tse 9</div>  </div> <p>Disete tsa dikarata tsekedimo tse di mmalwa tse di akaretsang palo ya 1 go fitlha ka 9</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">9</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">robonngwe</div> </div> <p>Dikarata tsekedimo tsa letshwaopalo le leinapalo, marontho le ditshwantsho sekao</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Setshwantsho sa didiriswa tse 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;">robonngwe</div> </div> <p>Dibadisi</p>

Nako e tshithintsweng ya go ruta : Tirwana e le nngwe e baakantsweng e kaelwa ke morutabana (mosako) ya ± 30 metsotso ka letsatsi(± 5 Ditirwana tsa beke tsa dipalo)		
Beke 34	Dintlha tsa tihaloso	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dithusa-thuto tse di atlenegesitsweng	Letsatsi 1
<p>3.1 Maemo, kitsiso, le dipono</p>	<p>Latela diikaelo ka go tsamaela kgotsa go ipaya fa gare ga boalo jo bo kgethegileng</p> <ul style="list-style-type: none"> • Godisa kgopolo ka ga dikaelo Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Thala khutlo-tharo e tonna, kgotsa khutlonne fa fatshe/mo folorung. - Barutwana ba tsamaya go bapa le popego ba goletsa godimo go supa gore ba retlogela kwa molemeng kgotsa kwa mojang. <p>Tiriso ya dikgonngwa tsa didiriswa tsa tekanyothakoretharo (3-D)</p> <p>Thala khutlotharo e tonna, kgotsa khutlonne mo lethareng la pampitshana, o e beye mo fatshe.</p> <p>Letelelela morutwana a le mongwe go:</p> <ul style="list-style-type: none"> - kgorometsa sejanaga sa go tshameka fa thoko ga mela. - barutwana botlhe ba otlolola diatla tsa bone tsa molema kgotsa tsa moja. <p>Letelelela barutwana go :</p> <ul style="list-style-type: none"> - tthalosa didiriswa go tswa mo kakanyong tse di farologaneng sekao mpopisi (kwa pele/ kwa morago) ntlo (kwa pele/kwa morago), kwa pele/kwa morago ga sekolo, sejanaga (kwa pele/kwa morago),go tswa gore o eme fa kae. - barutwana ba tthalosa se ba se bonang sekao fa go na le sethare fa pele ga ntlo, ba tthalosa maemo a sethare. <p>Tiriso ya dikadikgonngwa tsa tekanothakorepedi (2-D) kgotsa diitshwantsho</p> <ul style="list-style-type: none"> - Letelelela barutwana go itemogele kgopolo ka ga Kwa pele/kwa morago ka go supa kwa ntheng ya setshwantsho. 	<p>Dipopego tse dikgolo tse di thadiilweng mo lethareng la pampiri</p> <p>sejanaga sa go tshameka</p> <p>Mpopisi</p> <p>Ntlo ya nnete</p> <p>sejanaga</p> <p>Ditshwantsho tse di supetsang ka botlalo dintlha sekao kwa ntheng e sejanaga e yang gone ,kwa ntheng e motho e yang gone.</p>


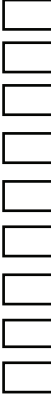


Nako e tshitshintsweng ya go ruta : Tirwana e le nngwe e baakantsweng e kaelwa ke morutabana (mosako) ya ± 30 metsotso ka letsatsi(± 5 Ditirwana tsa beke tsa dipalo)		Boleele jwa nako jo bo lekanyeditsweng
Beke 34	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng
Setlhogo		
3.3 Dipopego tsa tekanothakorepedi (2-D)	<p>Lemoga, supa le naya leina la tekanopegothakorepedi(2-D) mo phaosing le mo ditshwantshong le go di tihaoa</p> <ul style="list-style-type: none"> • Gatelelela kitso ka ga sediko, khutlotharo, khutionne le khutionne-tsepa <p>Metshameko ya go dirisa mmele</p> <p>Letelelela barutwana go ema ka bobedi ka bobedi.</p> <ul style="list-style-type: none"> - Thala popego mo mokotleng wa tsala ka monwana. Morutwana yo mongwe a bolele gore ke popego ya mofuta mang. <p>Tiriso ya diriswa tsa dikgonngwa tsa tekanyotlhakoretharo (3-D)</p> <p>Neela ka dipopego tsa thutatekano tsa bogolo le bokima jo bo farologaneng.</p> <p>Letelelela barutwana go:</p> <ul style="list-style-type: none"> - tihaoa dipopego tsa thutatekano go ya ka sekao didiko, dikhutlo-tharo, dikhutlo-nne le dikhutionne-tsepa. - tihaoa dipopego tsa thutatekano go ya ka bogolo. - tihaoa dipopego tsa thutatekano go ya ka mmala. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikadikgonngwa tsa tekatekanyogopedi (2-D)</p> <p>Letelelela barutwana go:</p> <ul style="list-style-type: none"> - segolola dipopego tse di umakiliweng fa godimo go tswa mo lethareng la pampitshana. Akaretsa dipopego tse dikgolo le tse dinnye, dikhutlotharo ka dikhutlo tse di farologaneng. - Tihaoa dipopego tsoitlhe tse di farologaneng. - Rulaganya setshwantsho se se nang le dipopego tse di segolotsweng, o di dirise ka nako ya thuto ya botsweretshi. 	<p>Letsatsi 1</p> <p>Dipopego tse di farologaneng</p> <p>Lethare le le nang le didiko, dikhutlotharo le dikhutionne le dikhutionne-tsepa mo go lone.sekao.</p>  <p>Akaretsa dipopego tse dikgolo le tse dinnye tsa dikhutlo tse di farologaneng sekao</p> 

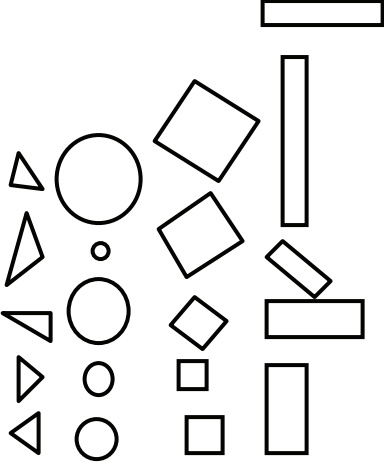
Nako e tshithintsweng ya go ruta : Tirwana e le nngwe e baakantsweng e kaelwa ke morutabana (mosako) ya ± 30 metsotso ka letsatsi(± 5 Ditirwana tsa beke tsa dipalo)			
Beke 34	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo			Letsatsi 1
3.4 Tekano	<p>Godisa temoso ya gore go na le tekatekano mo didirisweng Tiriso ya didiriswa tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Batla didiriswa tsa nnete tse di bontshang tekatekano(Letlhakore le lengwe le tshwana le letlhakore le lengwe ka fa ntlheng e nngwe) sekao serurubele, lethare la tshese jalo jalo. - Morutabana le barutwana ba kgobokanya diishwantsho tse di nang le methalo e e nang le tekatekano sekao methalo e e thadiiweng mo ntlong, methalo ya diithaele, methalo ya setshwara-malomo le pharatshuti jalo jalo. <p>Tiriso ya dipopego kgotsa diitshwantsho tsa diikadikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Barutwana ba segolola popego ya pelo kgotsa setshwara-malomo go tswa mo lethareng le le minilweng ka halofa le go e kgabisa ka nako ya thuto ya botsweretshi jwa pono. 	  <p>kgapetlana ya lethare le le minilweng ka halofa</p>	

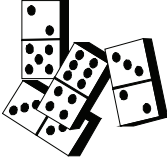
Nako e e tshithintsweng ya go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke)			
Beke 35	Dintlha tsa tihaloso	Dithusathuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>1.1 Bala didiriswa</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> • Gatelela kitso e eo e unguleng (boneng) mo bekeng ya 34 e e akaretsang palo ya bo 9. <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha go 9. Balela kwa pele le kwa morago go fitlha go 9. Bala o ipoeletsa go tloga go 1-10 Gatelela ka go bala ka bobedi o dirisa dipalo tsa diraeme Gatelela kgopolo ka ga “bontsi” le “bonnye” Opa diatla gantsi.....EMA. Opa diatla ga nnye. Morutabana o opa diatla go fitlha go 9. Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye.</p>	<p>Dipina le raeme ya dipalo</p>	letsatsi 1
<p>1.4. Tihalosa,bapisa le go rulaganya dipalo</p>	<p>Metshameko ya go dirisa mmele A re tshamekeng motshameko: Morutabana o baya dipopego tsa dipalo tsa karata ya boroto e kgolo kgotsa dikarata tse di akaretsang dipalo go tloga go 1 go ya go 9 mo fatshe. Morutabana o neela barutwana ditaelo jaaka: - Dula mo godimo ga 6. - Baya monwana wa gago wa maoto mo godimo ga 3. - Taboga o dikologe palo ya 2 gararo. - Tlola tiola mo godimo ga 1. - Morutabana a ka nna a phathalatsa dikarata tsa matshwaopalo.</p> <p>• Dirisa dipalo mo tirisong e e tlwaelegileng Tiriso ya didiriswa tsa dikgonngwa tsa tekanothakoretharo (3-D) Letlelela barutwana: - Bala didiriswa mo phaposing - Bala dibadisi - Morutabana o baya didiriswa ka tlhatlhagano mo godimo ga tafole.Letlelela barutwana go fopholetsa gore didiriswa di kae mo tafoleng. Morago o di bale.</p>	<p>Sete ya dikarata tsekedimo tsa khateboto tse dikgolo di nang le matshwaopalo. O kgona go penta dikgapetla tsa polasitiki kgotsa khateboto</p>	letsatsi 1


Nako e e tshitshintsweng ya go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke)			
Beke 35	Dintlha tsa tihaloso	Dithusathuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso		
Lemoga matshwaopalo le mainapalo	Tiriso ya dipopego tsa dikadikgonngwa tsa tekanothakorepedi (2-D) Letlelela barutwana go: <ul style="list-style-type: none"> - tshameka metshameko ka go golaganya palo ya dibadisi go leinapalo, letshwaopalo, marontho le karata ya setshwantsho. - Netefatsa ka gale gore letshwaopalo le leinapalo di golagantswe le palo e e tshwanang ya didiriswa. - Latela mothala wa palo ya 9 ka kerayone. 	Karata tsekedimo e e nang le letshwaopalo le leinapalo, marontho le ditshwantsho sekao. 	
1.7 Tlhakanyo le tloso	<ul style="list-style-type: none"> • Rarabolola ka motlotlo wa dipalo tsa mafoko (dipalo tsa dikgang khutswa) tse di akaretsang palo 1 go fitiha go 9 mo tirisong. Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Tlotla kgang ka ga setlhare se se nang le nonyane e le nngwe mo go sone. Nonyane e nngwe e kopana le e nngwe. Go na le dinonyane tse kae jaanong? Barutwana ba diragatsa kgang khutswa e, ba dirisa mmamathwane. 1 le 1 e go naya 2. Boeletsa kgang e, go fitihela go na le dinonyane tse 9 Tiriso ya didiriswa tsa dikgonngwa tsa tekanothakoretharo (3-D) <ul style="list-style-type: none"> - Tsala e le nngwe e na le dibadisi di le 8 sekao diphologolo tsa polasitiki mme tsala ya gagwe e na le e nngwe go feta. Ba na le diphologolo tsa polasitiki tse tsothe di le kae? 8 le 1 → 9 Tiriso ya dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D) <ul style="list-style-type: none"> - Naya morutwana mongwe le mongwe lethare la pampishana ya tirwana le le nang le setshwantsho sa setlhare mo go lona. Barutwana ba baya padisi e le nngwe mo godimo ga setlhare. Ba tswelela ba oketsa padisi e le nngwe ka nako e le nngwe mo setlhareng. 	Dibadisi, kerayone Setshwantsho ss setlhare se segolo Dibadisi tse 9 Lethare la tirwana le le nang le setshwantsho sa setlhare le dibadisi	Letsatsi 1

Nako e e tshithintsweng ya go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke)		
Beke 35	Dintlha tsa tihaloso	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dithusathuto tse di atlenegesitsweng	Letsatsi 1
<p>3.1 Maemo, kitsiso le dipono</p> <ul style="list-style-type: none"> • Tihalosa kamano ya didiriswa tse pedi go ya ka maemo ya tsona • Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Morutwana o kopa tsala go ema fa gare ga didiriswa di le pedi/kgotsa fa gare ga barutwana. - Morutwana o kopa tsala go ema go bapa le mosetsana yo o apereng mosese o botala jwa loapi - Morutwana o kopa tsala go ema go bapa le mosimane yo o rweleng diramphetshane tse di khunou. <p>Tiriso ya dikgonngwa tsa tekanotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> • Pega thudi fa gare ga didiriswa tse pedi. • Barutwana ba pega diaparo tsa nnete go ya ka ditaelo tse di kgethegileng sekao: <ul style="list-style-type: none"> - “pega hemepe mo letlhakoreng la moleme la thudi ya diaparo.” - “pega mosese mo letlhakoreng la moja la hemepe” - pega sakatuku go bapa lejalo jalo.” - “pega borukgwe fa gare ga jalo jalo.” <p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikadikgonngwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> • Thala setshwantsho sa ntlo go ya ka ditaelo sekao. <ul style="list-style-type: none"> - Thala marulelo kwa godimo mo letlhareng - Thalamabota a ntlo fa gare ga letlhare jalo jalo - Thala ntswa mo letlhakoreng la molema la ntlo. <p>Letlhare le se ka la nna le tonna thata go netefatsa gore dipopego tse di farologaneng di a amana go dira setshwantsho sa ntlo.</p>	 <p>Letlhare la pampitshana dikerayone</p>	
	<p>3.1 Maemo, kitsiso le dipono</p> <ul style="list-style-type: none"> • Tihalosa kamano ya didiriswa tse pedi go ya ka maemo ya tsona • Metshameko ya go dirisa mmele <ul style="list-style-type: none"> - Morutwana o kopa tsala go ema fa gare ga didiriswa di le pedi/kgotsa fa gare ga barutwana. - Morutwana o kopa tsala go ema go bapa le mosetsana yo o apereng mosese o botala jwa loapi - Morutwana o kopa tsala go ema go bapa le mosimane yo o rweleng diramphetshane tse di khunou. <p>Tiriso ya dikgonngwa tsa tekanotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> • Pega thudi fa gare ga didiriswa tse pedi. • Barutwana ba pega diaparo tsa nnete go ya ka ditaelo tse di kgethegileng sekao: <ul style="list-style-type: none"> - “pega hemepe mo letlhakoreng la moleme la thudi ya diaparo.” - “pega mosese mo letlhakoreng la moja la hemepe” - pega sakatuku go bapa lejalo jalo.” - “pega borukgwe fa gare ga jalo jalo.” <p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikadikgonngwa tsa tekanotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> • Thala setshwantsho sa ntlo go ya ka ditaelo sekao. <ul style="list-style-type: none"> - Thala marulelo kwa godimo mo letlhareng - Thalamabota a ntlo fa gare ga letlhare jalo jalo - Thala ntswa mo letlhakoreng la molema la ntlo. <p>Letlhare le se ka la nna le tonna thata go netefatsa gore dipopego tse di farologaneng di a amana go dira setshwantsho sa ntlo.</p>	

Nako e e tshithintsweng ya go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsotso ka letsatsi(± 5 ditirwana tsa dipalo ka beke)		
Beke 35	Dintlha tsa tihaloso	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo		Dithusathuto tse di atlenegesitsweng
3.3 Dipopego tsa tekanothakorepedi (2-D)	<p>Lemoga,tlhophha le go neela maina a dipopego tsa tekanothakorepedi mo phaposing le mo diitshwantshong:</p> <ul style="list-style-type: none"> - Tshomarelo ya popego • Gatelela kitso e e ungulweng ka ga khutlonne-tsepa <p>Tshomarelo ya popego ke bokgoni jwa go farologanya gare ga dipopego mo tikologong ya rona go sa kgathalesege bogolo jwa tsone kgotsa bogolo jwa dikhutlo tsa tsone.</p> <p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyotlhakoretharo (3-D) kgaoganya barutwana ka ditlhophha.</p> <ul style="list-style-type: none"> - Naya setlhophha sengwe le sengwe diboloko tsa bogolo jo bo farologaneng tsa popego ya dikhutlonne-tsepa tse 9. <p>Letlelela barutwana go :</p> <ul style="list-style-type: none"> - tithaola diboloko tsa dipopego tsa dikhutlonne-tsepa ka ditlhophha tsa bogolo jo bo lekanang. - bala palo ya diboloko tsa kago. <p>Murutabana o neela ditaelo tse di latelang:</p> <ul style="list-style-type: none"> - Baya diboloko tsa dipopego tsa dikhutlonne-tsepa mo moleng o o rapaletsweng.  <ul style="list-style-type: none"> - Baya diboloko tsa dipopego tsa dikhutlonne-tsepa mo maemomg a a tihamaletsweng.  <ul style="list-style-type: none"> - Baya diboloko tsa dipopego tsa dikhutlonne-tsepa mo moleng yo o matshweka  <ul style="list-style-type: none"> - Morutabana o naya morutwana mongwe le mongwe lenathwana la wulu. Barutwana ba bopa popego ya khutlonne-tsepa ka wulu..  <p>Murutabana o supa gore popego ya khutlonne-tsepa ya morutwana mongwe le mongwe e a farologana, mme fela e e santse e le khutlonne-tsepa.</p>	<p>Letsatsi 1</p> <p>Tlhophha ditirwana tse di rileng</p> <p>Setlhophha sengwe le sengwe se newa diboloko tsa bogolo jo bo farologaneng tsa popego ya dikhutlonne-tsepa tse 9</p> <p>Lenathwana la wulu</p>

Beke 35	Nako e e tshithintsweng ya go ruta: Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke)		
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>3.3 Dipopego tsa tekanothakorepedi (2-D)</p>	<p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikadikgonngwa tsa tekatekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o thala dikarata tsekedimo tse 20 tse di farologaneng, nngwe le nngwe ka dikhutlho tse tihano tse di farologaneng, didiko, dikhutlonne le dikhutlonne-tsepa mo go tsone sekao.  <p>Murutabana o kgaoganya barutwana ka ditlhopha. Letlelela barutwana go:</p> <ul style="list-style-type: none"> - tihaoa karata tsekedimo ya popego ya khutlonne-tsepa fa gare ga dipopego tse dingwe <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - tihaoa ditshwantsho tsothe tsa diitšheše fa gare ga ditshwantsho tsa ditlhare le mathare jalo jalo. 	<p>Dikarata tsekedimo ka dikarata tsekedimo tse 20 tse di farologaneng, mongwe le mongwe ka dikarata tsekedimo tse tihano tsa dikhutlhotharo ,didiko, dikhutlonne le dikhutlonne-tsepa mo go tsone.</p>	

Beke36	Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke	Dithusathuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Tlhaloso ya dintlha		
<p>1.1 Bala didiriswa</p>	<p>Gatelela kitso e e unguhweng (boneng) e e akaretsang palo go tloga ka 1 go fitlha ka 9 Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha go 9. Balela kwa pele le kwa morago go fitlha go 9. Gatelela go bala ka bobedi o dirisa dipalo tsa diraeme Gatelela kgopolo ka ga “bontsi” le bonnye” Opa diatla gantsi.....EMA. Opa diatla ga nnye. Morutabana o opa diatla go fitlha go 9. Tiriso ya didiriswa tsa dikgonngwa tsa tekanyothakoretharo (3-D) - baya didiriswa ka dithopha tse di akaretsang palo go tloga go 1 go fitlha go 9, o balele didiriswa kwa godimo. - tshameka ditomino tsa dipalo</p> <p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikadikongwa tsa tekanothakorepedi (2-D) Naya morutwana mongwe le mongwe karata ya setshwantsho,lerontho,letshwaopalo kgotsa leinapalo Barutwana ba araba ka go latela ditaello tsa morutabana - Barutwana ba dula mo sedikong. - Morutabana o bitsa palo sekao 9. Barutwana ba tshwereng karata tsa setshwantsho, lerontho, letshwaopalo le leinapalo le le emelang 9, ba potologa sediko, ba re: “ke na le tse robongwe” - Boeletsa ka dipalo tse dingwe. - Fa mongwe le mongwe a bone tshono ya go nna palo, bitsa dipalo ka thulaganyo. - Barutwana ba a ema, ba tsholetsa dipalo tsa bone mo moyeng fa di nise di bitswa. - Lebelela gore a barutwana ba kgona go ithulaganya ka bobone ka dipalo go tloga ka 1 go fitlha go 9. - Lebelela gore barutwana ba kgona go rulaganya dikarata tsothe tse di emelang palo 1, 2, le 3 go fitlha ka palo ya 9.</p>	<p>Dipina tsa dipalo le diraeme</p>  <p>Didiriswa mo phaposing. ditomino tsa dipalo</p> <p>Barutwana mo phaposing ba newa dikarata tsekedimo tsa palo e e akaretsang 1 go fitlha ka 9 tse di lekaneng.</p>	<p>Letsatsi 1</p>

Beke36	Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Tlhaloso ya dintlha	Dithusathuto tse di atlenegesitsweng
<p>1.4 Tlhalosa, bapisa le go rulaganya dipalo</p>	<p>• Bapisa gore ke didiriswa dife tse pedi tse di neetsweng di kgobokantswe tse:</p> <ul style="list-style-type: none"> - dintsi go - dinnye go (mmalwa) - di lekanang le (di tshwana) <p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutabana o neelana ka didiriswa tse di farologaneng jaaka mathhare, maje, dikhurumelo tsa dibotlolo. dikerayone, diboloko jalo jalo <p>Letlelela barutwana go:</p> <ul style="list-style-type: none"> - di tthaola go ya ka ditlhopha sekao maje otlhe mmogo. - bala palo ya didiriswa mo setlhopheng sengwe le sengwe. - supa gore ke setlhopha sefe se “se ntsi go”, se se nnye go” le se se lekanang le”. <p>Disete tse di akaretsang dipalo tse di fitlhang go 9:</p> <ul style="list-style-type: none"> - Barutwana ba dula mo mmetsheng le go dira dinthaga tse pedi ka wulu. - Morutabana o neela barutwana ka ditaelo gore ba beye dibadisi tse 2 mo sentlhageng se le sengwe le tse 4 mo sentlhageng se sengwe. - Botsa dipotso jaaka: “Ke sentlhaga sefe se se nang le tse “dintsi go”,nnye go” le didiriswa tse di tshwanang” ka palo sekao sentlhaga se se nang le dibadisi tse 2 se se nnye go se se nang le dibadisi tse 4. <div style="text-align: center;">  </div> <ul style="list-style-type: none"> - Letlelela barutwana go bopa palo e e ntsi go” , e e nnye go” le e e lekanang le disete tse fitlhang go 9. 	<p>Manathwana a mabedi a wulu a morutwana mongwe le mongwe</p> <p>Dibadisi tse 9 tsa morutwana mongwe le mongwe</p>


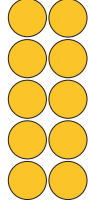
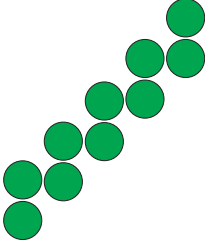









Beke36	Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke		Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Tlhaloso ya dintlha	Dithusathuto tse di atlenegesitsweng	
<p>1.13 Tlhakanyo le Tloso</p>	<p>• Rarabolola ka motlotlo dipalo tsa go tlhakanya le go tloso tse di akaretsang dipalo go tloga ka 1 go fitlha go 9 Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha go 9. Balela kwa pele le kwa morago go fitlha go 9. Gatelela go bala ka bobedi o dirisa dipalo tsa diraeme. Gatelela palokemotatelano: Morutabana o paka didiriswa tse 6 mo moleng. A supa sediriswa sengwe le sengwe a nitse a bala sa nthla,sa bobedi, sa boraro, sa bone, sabothlano.sa borataro. Gatelela kgopolo ka ga “bontsi” le bonnye” Opa diatla gantsi.....EMA. Opa diatla ga nnye. Morutabana o opa diatla go fitlha go 9. Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye.</p>	<p>Pina ya dipalo le diraeme</p>	<p>Letsatsi 1</p>
	<p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o biletsa morutwana a le mongwe kwa pele. - Morutabana o baya palo e e farologaneng ya dibaga (go fitlha go 9) mo seatleng sa morutwana mongwe le mongwe sekao 4 mo seatleng se sengwe le 5 mo seatleng se sengwe. - Morutabana o rulaganya barutwana mo ditlhopeng tsa boromngwe. - Barutwana ba dula fa fatshe. - Morutwana o kopa barutwana ba ba 2 go ema ka dinao. - Morutabana o botsa gore “ke barutwana ba le kae ba ba dutseng fa fatshe?” 	<p>Dibaga kgotsa Dibadisi</p>	

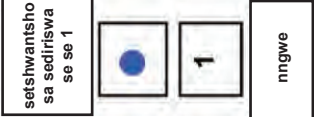
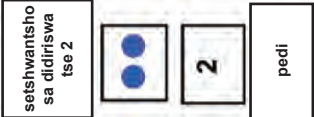

Beke36	Tirwana e le nngwe ya phaposi e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Tlhaloso ya dintlha	Dithusathuto tse di atlenegesitsweng
<p>1.13</p> <p>Tlhakanyo le tloso</p>	<p>Tiriso ya didiriswa ya tsa dikgonngwa tsa tekanyotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Barutwana ba dula mo mmetsheng. - Morutwana mongwe le mongwe o newa dibaga tse 9 di beibe mo teng ga kopi ya polasitiki. - Tsaya dibaga tse 6 go tswa mo koping, o di beye mo piring. Tsaya dibaga tse dingwe tse 3 mme o oketse tse di mo piring. Go na le dibaga di le kae mo koping? 6 le 2→8. - Tsaya dibaga tse 4 go tswa mo piring, o di beye mo koping ya polasitiki. Tsaya tse dingwe tse 5, o di tlhakanye le dibaga tse di mo koping ya polasitiki. Go na le dibaga tse kae mo koping? 9 o tlosa 4, gape tlosa 5→0. - Tlosa dibaga tse 4 go tswa mo kopi o di tsenye mo piring. Go setse tse kae mo piring? 9 o tlosa 4 □5. - Tlosa dibaga tse 5 go tswa mo koping o di tsenye mo piring. Go setse tse kae mo piring? 5 o tlosa 5 □0. <p>Tiriso ya dipopego kgotsa ditshwantsho tsa dikadikongngwa tsa tekanotlhakorepedi (2-D)</p> <p>Kgaoganya barutwana ka ditlhophha. Naya setlhophha sengwe le sengwe sete ya dikarata tsekedimo tsa ditshwantsho</p> <ul style="list-style-type: none"> - Bala ditshwantsho tse 6 mo dikarateng tsekedimo. Fa o oketsa ka karata tsekedimo ya ditshwantsho tse 2 mo go yone, o tla bo o na le di le kae? 6 le 2→8. - Bala didiriswa tse 8 mo karateng ya setshwantsho. Fa o khurumetsa ditshwantsho tse 3, o bona tse kae? 8 o tlosa 3→5. - Paka palo e e tshwanang ya dibadisi. 	<p>Loga maano fa o sena dikopi le dipiring.</p>
<p>2.1</p> <p>Dipaterone tsa tekano</p>	<ul style="list-style-type: none"> • Kopolola paterone ya modumo Metshameko ya go dirisa mmele - Morutabana o kgaoganya barutwana ka ditlhophha tse tharo. Sebeleisa le go bontsha setlhophha sengwe le sengwe gore modumo wa sejanaga o a o emetsweng ke ofe. - Setlhophha sengwe le sengwe se dira modumo o se o neetsweng jaaka morutabana a ba laetsa, sekao: - Woosh, brrrrm, zonk / Woosh, brrrrm, zonk. 	<p>Dikarata tsekedimo tse di mmalwa tsa ditshwantsho</p>
		<p>Letsatsi 1</p>

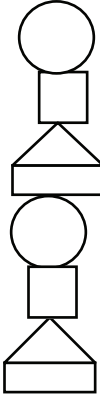
Beke36	Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke		Boleele jwa nako jo bo lekanyeditsweng									
Setlhogo	Tlhaloso ya dintlha	Dithusathuto tse di atlenegesitsweng										
<p>5.1</p> <p>Kgobokanya le go tihaoa didiriswa</p>	<p>• Gatelela kgopolo ka ga dipalo tsa tshedimosetso</p> <p>Tiriso ya diriswa tsa dikgonngwa tsa tekanyotlhakoretharo (3-D) A re tshameke motshameko:</p> <p>Tlhopha le go kgobokanya mmala wa motshameko wa seloko wa beke e e latelang sekao.</p> <ul style="list-style-type: none"> - Palo e e tshwanetseng ya rarabololwa ke go tihomamisa gore ke mmala wa seloko sa go tshameka o tla dirisiwang beke e e latelang. <p>Kgobokanya tshedimosetso le go e tihaoa</p> <ul style="list-style-type: none"> - Dirisa didiriswa tota go dira kerafo jaaka diboloko, tihathaganyo ya dikhuba, Lego le diboloko tsa Duplo tse di emetsweng ke mmala wa tege o o ipaakanyeditse go o dirisa sekao botala jwa loapi, serolwana le mmala o motala. - Morutwana mongwe le mongwe o tihopha boloko e le nngwe e e emelang mmala wa seloko o a o tihophetseng wa beke. 	<p>Botala jwa loapi,serolwana le mmala o o tala lego- le diboloko tse di tihathagantsweng (go dirisiwa mofuta o le mongwe)</p>	<p>Letsatsi 1</p>									
<p>5.2</p> <p>Dira sethalo sa didiriswa tse di tihaoetsweng</p>	<p>Thala kerafo</p> <ul style="list-style-type: none"> - Diboloko di tihathagantswe go ya ka mmala mo posetareng. 											
<p>5.3</p> <p>Buisana le go bega ka didiriswa tse di kgobokantsweng di tihaoetswe.</p>	<p>Bala le go ranola tafole</p> <ul style="list-style-type: none"> - Go ya kgetho ya barutwana mmala wa seloko wa motshameko wa beke e tla nna o o serolwana <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 2px;">botala jwa loapi</th> <th style="padding: 2px;">Serolwana</th> <th style="padding: 2px;">Mmala o motala</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">□ □</td> <td style="padding: 5px;">□ □ □ □</td> <td style="padding: 5px;">□ □</td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">2</td> </tr> </tbody> </table> </div>	botala jwa loapi	Serolwana	Mmala o motala	□ □	□ □ □ □	□ □	2	4	2		
botala jwa loapi	Serolwana	Mmala o motala										
□ □	□ □ □ □	□ □										
2	4	2										

Beke 37 Kitsiso					
Nako e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsosiso ka letsatsi(± 5 ditirwana tsa dipalo ka beke					
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse di atlenegisitweng	Boleele jwa nako jo bo lekanyeditweng		
1.1 Bala didiriswa	<p>• Itsise bokao jwa palo ya 0 (lefela)</p> <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha go 10 o simolola ka lefela. Balela kwa pele le kwa morago go fitlha go 10 o simolola ka lefela. Gatelela go bala ka bobedi o dirisa dipalo tsa diraeme Gatelela palokemo tatelano: Morutabana o paka didiriswa tse 6 mo moleng. Supa sediriswa sengwe le sengwe fa o ntse o bala sa nthla,sa bobedi, sa boraro, sa bone,sa bothano,sa borataro. Gatelela kgopolo ka ga “bontsi” le mmalwa” Opa diatla gantsi.....EMA. Opa diatla mmalwanyana.Morutabana o opa diatla go fitlha go 10. Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye. Morutabana o supa gore lefela le raya gore ga go na “sepe” le gore go bala go simolola go 1</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o supetsa barutwana paloina ya lefela. - Letelela barutwana go supa gore ke karolo efe ya mmele e o kgonang go bopa lefela ka yone. <ul style="list-style-type: none"> o Melomo ya barutwana  o Menwana ya barutwana <p>Tiriso ya didiriswa tsa dikgonngwa tsa tekatekanyotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutabana o baya padisi e le nngwe mo seatleng se sengwe, le sepe mo seatleng se sengwe. - O bula seatla se sengwe sa gagwe, a bontsha barutwana padisi e le nngwe, o bula seatla se sengwe sa gagwe a supetsa barutwana gore ga go na sepe. - Tirwana e e kgona go dirwa o dirisa barutwana ka bobone. <p>Tiriso ya didiriswa tsa dipopego kgotsa ditshwantsho tsa didikgonngwa tsa tekanothakorepedi (2-D)</p> <ul style="list-style-type: none"> - Morutabana o bontsha barutwana dikarata tsekedimo tse di se nang ditshwantsho le letshwaopalo 0. 	<p>Pina ya dipalo le diraeme</p>	Letsatsi 1		
			<p>Dibadisi</p> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px; text-align: center;">0</td> </tr> </table>		0
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Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsotso ka letsatsi(± 5 ditirwana tsa dipalo ka beke			
Beke 37 K'itsiso	Dintlha tsa tthaloso	Dithusathuto tse di atlenegisitweng	Boleele jwa nako jo bo lekanyeditweng
Setlhogo 1.1 Bala didiriswa	<p>Dintlha tsa tthaloso</p> <ul style="list-style-type: none"> • Itsise bokao jwa palo 10 <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitiha go 10. Balela kwa pele le kwa morago go fitiha go 10. Bala o ipoeletse 0-10</p> <p>Gatelela go bala letsatsi le letsatsi ka bobedi o dirisa dipalo tsa diraeme</p> <p>Gatelela go bala palokemo tatelano:</p> <p>Murutabana o paka didiriswa tse 6 mo moleng.Supa sediriswa sengwe le sengwe o ntse o bala sa nthla,sa bobedi, sa boraro, sa bone, sa botlhano,sa borataro</p> <p>Gatelela kgopolo ka ga “bontsi” le bonnye”</p> <p>Opa diatla gantsi.....EMA.</p> <p>Opa diatla ga nnye. Murutabana o opa diatla go fitiha go 10.</p> <p>Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye.</p>	<p>Pina ya dipalo le diraeme</p>	<p>Letsatsi 1</p> <p>Tlhopha ditirwana tse di mmalwa</p>
<p>Metshameko ya go dirisa mmele</p> <p>Letlelela barutwana go :</p> <ul style="list-style-type: none"> - Go aga palo ya 10 ka bobedi ba dirisa mebele ya bone (barutwana ba le 4) - Bala go fitiha ka 10 o ntse o tsamaya ka morethetho wa moropa. - Tsholetsa menwana e le 10. - Thala palo 10 mo mmung/mo fatshe le go tsamaya mo go yona. - Tlola ga le 10. - Tsenya dipalo tse di segolotsweng mo khatebotong mo teng ga kgetsana e e “phopholediwang”. - Tshola sete ya dikarata tsekedimo ka ditshwantsho tse di emelang palo sekao dibolo tse pedi mo karateng e e kwadiiweng 2. Murutwana o phopholetsa dipalo mo kgetsaneng le go e bapisa le dikarata. 	<p>Segolola dipalo mo khatebotong</p> <p>Karata tsekedimo e tonna ya letshwaopalo.</p>		











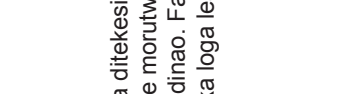
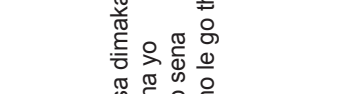













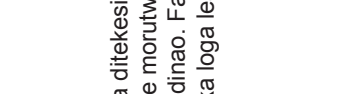
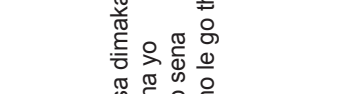













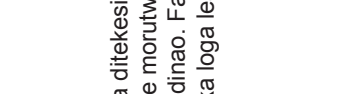
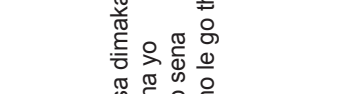



<p>Beke 37 K'itsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsotso ka letsatsi(± 5 ditirwana tsa dipalo ka beke</p>	
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusathuto tse di atlenegisitweng</p>
<p>1.1 Bala didiriswa</p>	<p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyotlhakoritharo (3-D) Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Ntsha dipalo tsa bone tsa mogala ba dirisa dikarata tse ditonna tsa letshwaopalo. Ba lemose gore lefela le emetse eng mo palong ya le 10. - Godisa temogo ka ga tshomarelo ya palo ka go letlelela barutwana go paka dibadisi tse tlhano kgotsa go paka didiriswa ka ditsela tse di farologaneng sekao. <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>Boleele jwa nako jo bo lekanyeditweng</p> <p>Dithusathuto tse di atlenegisitweng</p> <p>Dikarata tsekedimo tse di kwadiweng dipalo tsa barutwana tsa mogala</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>
	<ul style="list-style-type: none"> - Fa o bala, palo ya didiriswa ga e amiwe ke bogolo jwa tsone kgotsa maemo kampo fa e le ya mofuta o le mongwe. Sekao: - Rulaganya ditlamo tse di 10, dipensele tse di 10, dihula hupu tse di 10, barutwana ba le 10 jalo jalo. - Di bale ka thulaganyo e e farologaneng sekao di bale di phatthaladitswe, di bapile, mo moleng kgotsa di thathagantswe. 	

<p>Beke 37 K'itsiso</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsotso ka letsatsi(± 5 ditirwana tsa dipalo ka beke</p>		<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>Setlhogo</p>	<p>Dintlha tsa tihaloso</p>	<p>Dithusathuto tse di atlenegisitweng</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>
<p>2.1. Dipaterone tsa jeometeri</p>	<p>Tiriso ya didiriswa tsa dipopego kgotso ditshwantsho tsa dikadikgonngwa tsa tekanotlhakorepedi (2-D) Letlelela barutwana go latela ditaelo tsa morutwana: - Baya didiriswa ka dithopha tse di akaretsang dipalo 1 go fitlha go 10 le go balela didiriswa kwa godimo. Morutabana o kgaoganya barutwana ka dithopha tse 5. Letlelela barutwana: - Rulaganya le go golaganya dikarata tsa ditshwantsho, karata tsekedimo tsa lerontho, letshwaopalo le leinapalo mo tatelanong e e nepagetseng go fitlha go palo ya 10 sekao:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>setshwantsho sa sediriswa se se 1</p>  </div> <div style="text-align: center;"> <p>setshwantsho sa didiriswa tse 2</p>  </div> <div style="text-align: center;"> <p>setshwantsho sa didiriswa tse 3</p>  </div> </div> <p>jalo jalo. - Paka palo ya didiriswa mo godimo ga lerontho lengwe le lengwe mo karateng</p>	<p>Didiriswa mo phaposeng</p> <p>Sete ya dikarata tsekedimo tsa ditshwantsho go fitlha ka palo 10</p> <div style="display: flex; justify-content: center; align-items: center; gap: 10px;"> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; text-align: center; line-height: 30px;">0</div> </div> <p>Dibadisi</p>	<p>Boleele jwa nako jo bo lekanyeditsweng</p>

Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsotso ka letsatsi(± 5 ditirwana tsa dipalo ka beke			
Beke 37 K'itsiso	Dintlha tsa tihaloso	Dithusathuto tse di atlenegisitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>2.1 Dipaterone tsa tekano</p>	<p>Dintlha tsa tihaloso</p> <p>• Tshameka motshameko wa paterone- “Hop scotch” Tsenyeletso ya ikatiso ya mmele ya serutwa sa dikgono tsa botshelo</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Tsamaya mo phaposing. O latela letshwao kgotisa fa mmino o didimala, morutabana o bitsa leina la popego. Barutwana ba bopa popego ka menwana ya bona. Ba ka nna ba bopa dithopha, dipopego ka mebele ya bone. - Thala paterone e e fa tlase mo fatshe kgotisa mo ferenteng gore barutwana ba tsamaye ka tsela e e rileng.  <p>Buisanang ka ga paterone sekao :</p> <ul style="list-style-type: none"> - Botsa dipotso jaaka: - "Ke popego efe e latelang ka fa morago ga khutlonne-tsepa ya nthla?" - "Ke popego e feng e tlang pele ga sediko sa nthla?" <p>Barutwana ba latela paterone ka tsela e e latelang:</p> <ul style="list-style-type: none"> - Morutabana are: "Tlotlo, tiola pele ga Tumelo" ,le Jabu , o ka tiola morago ga ga Kabelo" - Tlolela ka dikgato tse pedi mo khutlonne-tsepeng. - Tiola ka kgato ya molema mo khutlotharong. - Tiola ka kgato ya moja mo khutlonneng. - Tiola ka dikgato tsoopedi mo sedikong le go sokolola mmele wa gago o ntse o le mo sedikong. - Feleletsa paterone. 	<p>Sekao sa paterone e e neetsweng fa fatshe</p>	<p>Letsatsi 1</p>

Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsotso ka letsatsi(± 5 ditirwana tsa dipalo ka beke			
Beke 37 Kitsiso	Dintlha tsa tihaloso	Dithusathuto tse di atlenegitsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>2.1 Dipaterone tsa tekano</p>	<p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutwana mongwe le mongwe o newa dipopego tse di latelang:  <p>Morutabana o bopa paterone ka dipopego tsa gagwe Letlelela barutwana go:</p> <ul style="list-style-type: none"> - Kopolola paterone ya morutabana ba dirisa dipopego tse di kwa godimo. - Ba aga paterone tsa bona ka dipopego tse di neetsweng. 	<p>Morutwana mongwe le mongwe o newa dipopego tse di latelang:</p> 	
<p>3.1 Maemo, kitsiso le dipono</p>	<p>Latelela dintlha go tsamaela kgotso go ipaya boalong jo bo kgethegileng</p> <ul style="list-style-type: none"> • Godisa kgopolo ka ga dikaelo ka go diragatsa ditaelo tse di akaretsang molema le moja <p>Metshameko ya go dirisa mmele Letlelela barutwana go latela ditaelo tsa morutabana:</p> <ul style="list-style-type: none"> - Lebelela godimo / tlase/kwa godimo. - Inama/inamela kwa tlase. - Tsholelsa leoto la molema/tsholelsa leoto la moja - Gagaba o potologe tafole. - Tsamaela kwa pele / kwa morago. - Tsenya letsogo mo teng / kwa ntle. - Ema mo lelhakoreng la moja la setilo / ema mo lelhakoreng la molema la setilo. - Ema fa pele ga setilo sa gago / fa morago ga setilo sa gago. - Ema fa gare ga ditulo tse pedi. - Lebelela kwa mojeng / kwa molemeng. - Sokologa ka leoto la gago la molema. Sokologa kwa leoto la gago la moja. 	<p>Ditaelo go tswa go morutabana.</p> <p>Mareo:</p> <p>Godimo / tlase</p> <p>Mo teng / kwa ntle</p> <p>kwa godimo / kwa tlase</p> <p>kwa pele / kwa morago</p> <p>Mo pele ga / mo morago ga</p> <p>Mo godimo / ka fa tlase</p> <p>Mo lelhakoreng lengwe / mo lelhakoreng le lengwe</p> <p>Go bapa le</p> <p>Molema / moja</p> <p>Fa gare</p>	Letsatsi 1

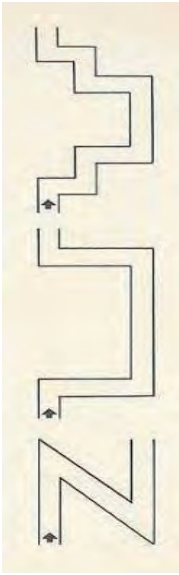
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Beke 37 Kitsiso	Dintlha tsa tihaloso	Dithusathuto tse di atlenegisitweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo 3.1 Maemo, kitsiso le dipono	<p>Dintlha tsa tihaloso</p> <p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyotihakoretharo (3-D) Letlelela barutwana go dira tse di latelang mo patikwalelong:</p> <ul style="list-style-type: none"> - Thala didiko le go tswelela o tsamaya o potologa gangwe le gape - Thala mela e e thamaletseng go tswa mo molemeng go ya kwa mojang. - Thala mela go tswa kwa godimo go ya kwa tlase. - Morutabana o thala marontho a mabedi, barutwana ba thala mola go gokaganya marontho. 	<p>Patikwalelo</p>	

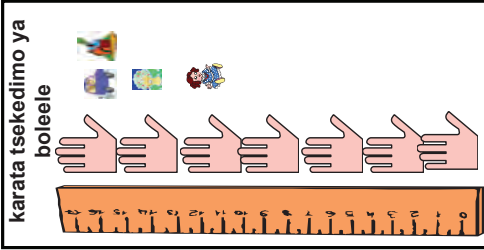
Beke 37 K'itsiso		Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsotso ka letsatsi(± 5 ditirwana tsa dipalo ka beke		Boleele jwa nako jo bo lekanyeditsweng																														
Setlhogo	Dintlha tsa tthaloso	Dithusathuto tse di atlenegisitweng	Letsatsi 1																															
5.1 Kgobokanya le go tlhaola didiriswa	<p>Dintlha tsa tthaloso</p> <ul style="list-style-type: none"> • Kgobokanya le go tlhaola didiriswa go ya ka diponagalo tse di neetsweng Gatelela kgopolo ka ga dipalo tsa tshedimosetso Tiriso ya didiriswa tsa dikgonngwa tsa tekanyothakoretharo (3-D) - Morutabana o buisana le go batlisa gore morutwana mongwe le mongwe o tla jang sekolong. - O bopa kerafo ya ditshwantsho e e emelang barutwana ba ba tsamayang ka dinao, ba ba tiang ka thekesi, ba ba tiang ka sejanaga sa motsadi le ba ba tiang ka bese 																																	
5.2 Bapisa Tshwantshisa didiriswa tse di tlhaotsweng di bo di kgobokanngwa	<p>sekao:</p> <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>2</td> <td>3</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																4	2	3	1														
																																		
4	2	3	1																															
5.3 Buisana le go bega ka ga didiriswa tse di tlhaotsweng di kgobokantswe	<p>- Sekaseka dipholo ka go dirisa dipotso</p>	<p>Ditshwantsho tsa ditekesi tsa dimakasine, bese, sejanaga le morutwana yo o tsamayang ka dinao. Fa o sena ditshwantsho o ka loga leano le go thala tsa gago.</p>																																

Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsosiso ka letsatsi(± 5 ditirwana tsa dipalo ka beke			
Beke 38	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyetswang
Setlhogo			
1.1 Bala didiriswa	<p>• Gatelela kitso e o e ungulweng(boneng) ka beke ya 37 e e akaretsang dipalo 0 le 10</p> <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha go 10. Balela kwa pele le kwa morago go fitlha go 10. Bala o ipoeletsa 0-10 Gatelela go bala bobedi o dirisa dipalo tsa diraeme</p> <p>Gatelela palokemo tatelano: Morutabana o paka didiriswa tse 6 mo moleng. O supa sediriswa fa o ntse o bala sa nthla, sa bobedi, sa boraro, sa bone sa botlhano,sa borataro jalo jalo.</p> <p>Gatelela kgopolo ka ga “bontsi” le bonnye” Opa diatla gantsi.....EMA. Opa diatla ga ga nnye. Morutabana o opa diatla go fitlha go 9. Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye.</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o thala didiko tse 11 (0 to 10) mo pateleng ya go tshameka kgotsa dirisa hula hupu. Kwala 0 le 10 mo teng ga sediko sengwe le sengwe. Morutabana o bitsa palo, morutwana o lathela kgetsana ya dinawa ya gagwe mo teng ga sediko e e biditsweng. - Gopotsa barutwana gore lefela ga le emele sepe. Fa morutwana a lathela kgetsana ya dinawa mo teng ga sediko sa lefela, o tla tswa mo motshamekong. - Morutwana o lathela kgetsana ya gagwe ya dinawa mo sedikong se se tsamaelanang le lerontho le kgotsa karata ya setshwantsho e bontshiwang ke morutabana. - Morutabana o lathela kgetsana ya gagwe ya dinawa mo sedikong se se bontshang karata ya letshwaopalo le le bontshiwang ke morutabana. - Tswelala ka tsele e e tshwanang go dirisa karata ya leinapalo - Lemoga le go supa letshwaopalo le leinapalo 	<p>Letsatsi 1</p> <p>kgotsa</p> <p>tihopa ditirwana tse di rileng</p>	
		Diraeme tsa dipalo le dipina	
		<p>Dikgetsana tsa dinawa tse 10</p> <p>Didiko tse di tshwantshitsweng mo fatshe kgotsa dirisa hula hupu</p>	

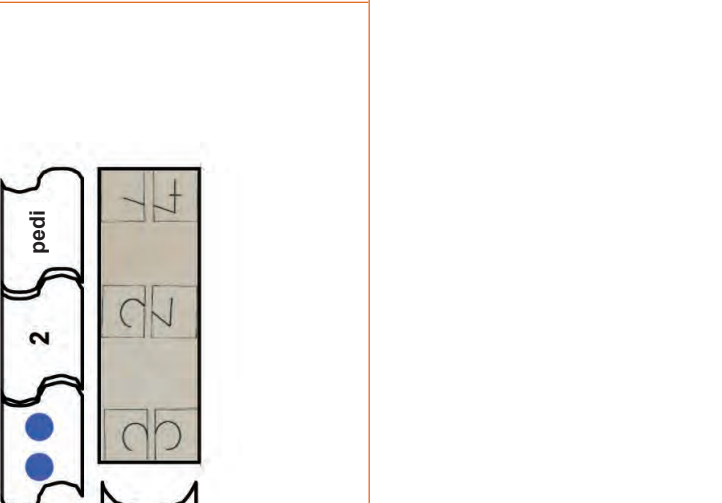
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Beke 38	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyetswang
Setlhogo			
1.3 Matshwaopalo le dipaloina	<p>Tiriso ya dipopego kgotsa ditswantsho tsa dikadikgonngwa tsa tekanotlhakorepedi (2-D)</p> <p>A re tshameke motshameko:</p> <ul style="list-style-type: none"> - Morutabana o kwala leinapalo mo lethakoreng le le lengwe la karata le go kwala letshwapalo mo lethakoreng le lengwe la karata e e akaretsang dipalo. - O go fitlha go 10 (dirisa disete tse mmalwa). - Barutwana ba “buisa” leinapalo le go fopholeisa letshwaopalo. - Ba pitikolola karata go ipaakanya. 	<p>Sete ya dikarata tsa tsekedimo tsa dipalo tse di akaretsang 0-10</p> <p>dikarata tsekedimo tse di akaretsang dipalo</p> <p>1-10 ka leinapalo mo lethakoreng le lengwe le letshwaopalo mo lethakoreng le lengwe.(dira disete tse di mmalwa gore morutwana mongwe le mongwe a nne le karata tsekedimo ya gagwe).</p>	
1.4 Tihalosa, bapisa le go rulaganya dipalo	<ul style="list-style-type: none"> • Itsise dipalokemotatelano ya ntlha, ya bobedi, ya boraro, go fitlha ka ya borataro---- -ya bofelo <p>Kakanyo e siame fa e agwa mo sebakeng sa nako e telele ka go dirisa le go tshwaya maemo a tlhologo jaaka a diragala mo phaposing sekao: go salana morago mo moleng go ya kwa ntle “Ntobi ke wa ntlha, Tlotlo ke wa bobedi.....”</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Letlelela barutwana go taboga lobelo. Ke mang fitlhileng wa ntlha, ke mang yo o fitlhileng wa bobedi le yo o fitlhileng wa bofelo? <p>Tshameka motshameko-“Ke ofe ?”</p> <ul style="list-style-type: none"> - Kopa barutwana ba le batlhano go dula mo moleng mo ditulong tse tlhano. - Morutabana a re “ke gopitse mongwe wa barutwana ba. Morutwana o apere jeresi e e khibidu” - O simolola ka morutwana yo o dutseng fa pele, o tsamaya go bapa le mola, o ama morutwana mongwe le mongwe, a botsa:”a ke morutwana wa ntlha, wa bobedi,wa boraro.....” <p>Letlelela barutwana ba le 5 go ema mo mapalamong a a kwantle.Morutabana o baya karata ya letshwaopalo le siameng ka fa tlase ga mapalamo a morutwana mongwe le mongwe. Mpontshe gore ke morutwana ofe yo o emeng mo:</p> <ul style="list-style-type: none"> - Mapalamong a ntlha. - Mapalamong a bobedi. - Mapalamong a boraro jalo jalo. <p>Morutwana yo o dutseng mo mapalamong a ntlha o tsholeisa karata ya letshwaopalo fa tsala nngwe mo phaposing e sena go neela ka karabo. Tswelela go fitlha ka 6.</p>	<p>Letsatsi 1</p> <p>Ditilo tse 5</p> <p>Sete ya dikarata tsa matshwao a dipalo tse di akaretsang dipalo 1 go fitlha 10.</p> <p>Leka leano fa go sena dikgato tsa mapalamo.</p>	

Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsosiso ka letsatsi(± 5 ditirwana tsa dipalo ka beke			
Beke 38	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng	Boleele jwa nako jo bo lekanyetswang
<p>Setlhogo</p> <p>1.7. Tlhakanyo le tloso</p>	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> Rarabolola ka motlotlo dipalofoko tsa(dipalokgang) tse di akaretsang dipalo ya 10 . <p>Motlotlo : Bala didiriswa letsatsi le letsatsi go fitlha go10. Balela kwa pele le kwa morago go fitlha go 10. Gatelela kgopolo ka ga “bontsi” le mmalwa” Opa diatla gantsi.....EMA. Opa diatla mmalwanyana.Morutabana o opa diatla go fitlha go 10. Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye.</p> <p>Dikai:</p> <ol style="list-style-type: none"> Go na le basetsana ba le 5 mo phaposing. Basetsana ba bangwe ba le 5 ba a tsena. Ke basetsana ba le kae jaanong? 5 le 5 → 10. Bala dibadisi tse 7.Bala gabedi kwa pele.bala gangwe kwa pele.Ke bokae tsotlhe? 7 le 2 le 1 → 10. Go ne go na le dibadisi di le 10 mo tafoleng. Go setse tse 4.Go šutitswe tse kae? 10 o tlosa 6 → 4. O na le dimabole tse 10. Tlosa tse 3.O setse ka tse kae? 10 o tlosa 3 → 7 O dirile dikuku tse 10. O rekisitse tse 2.O setse ka tse kae? 	<p>Dibadisi</p>	<p>Letsatsi 1</p>
<p>3.1 Maemo, kitsiso le dipono</p>	<ul style="list-style-type: none"> O latela dikaelo go tsamaya kgotsa go ipaya fa gare ga phaposi <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> Morutabana o kopa morutwana go ema kwa morago ga phaposi (mo kgoro e bulwang teng e bontsha bokwapele jwa phaposi) Morutabana o kopa barutwana go ema ka fa lelhakoreng la phaposi/kgotsa mo lelhakoreng le lengwe. Morutabana o kopa morutwana go ema fa pele ga phaposi. <p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyothakoretharo (3-D)</p> <p>Modumo o na le bokao. Barutwana ba reetsa:</p> <ul style="list-style-type: none"> Tshipi / tleloko. Phala. Seletswa sa mmينو. Itanya diboloko tse pedi tsa logong. 	<p>tshipi Phala seletswa sa mmينو se sengwe le se sengwe diboloko tsa logong</p>	<p>Letsatsi 1</p>

Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsosisto ka letsatsi(± 5 ditirwana tsa dipalo ka beke			
Beke 38	Setlhogo	Dintlha tsa tihaloso	Dithusa-thuto tse di atlenegesitsweng
3.1 Maemo, kitsiso le dipono	<p>Barutwana ba tswala matlho le go supa modumo wa tshipi/tleloko kgotsa phala kgotsa seletswa sa mmimo.</p> <ul style="list-style-type: none"> - Barutwana ba tswala matlho le go supa gore modumo o tswa kae. Ba ka simolola ka go latlhela kgetsana ya dinawa kwa ntlheng e modumo o tswang teng morago ba buisane gore modumo o kae sekao kwa pele ga phaposi, gaufi le sekhutlwana sa dibuka. - Morutabana o letlelela barutwana ba le 4 go ikaega ka lobota mo phaposing. Barutwana ba le 4 ba eme mo mathakoreng a le mane a phaposi. Yo mongwe le yo mongwe ka seletswa se se farologaneng (tshipi/tleloko phala, seletswa sa mmimo le diboloko tse pedi). - Morutabana o supa barutwana ka bongwe ka bongwe go dira modumo ka seletswa sa bone sekao tshipi fela - Barutwana boithe ba supa gore medumo e tswa kae ka go supa ntlha e modumo o tswang ko go one, sekao tshipi. - Go gatelela kgopolo ka ga molema le moja, letlelela barutwana go: babedi ba ba emeng fa pele le kwa morago ga phaposi kwa dithopheng tse dingwe. - Boeletsa tirwana e e tshwanang o tsepameseditse mo medumong e e tswang mo lethakoreng la molema le la moja mo phaposing. - Barutwana ka motlotlo ba re "molema" fa ba utlwa modumo go tswa mo lethakoreng la molema le fa modumo o tswa mo lethakoreng la moja. 	<p>boleko le setilo</p> <p>Para ya ditlhako</p>	<p>Boleele jwa nako jo bo lekanyetswang</p>
		<p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Barutwana ba dirisa diboloko sekao ba sutisa boloko e e gaufi le setilo. <ul style="list-style-type: none"> o Ya kwa morago/le kwa pele. o Ema mo lethakoreng la moja la setilo/ema mo lethakoreng la molema la setilo. - Ema fa gare ga ditilo tse pedi. - Tlhaola dithako tsa molema le tsa moja 	<p>Letlhare la tirwana le kerayone</p>
		<p>Dirisa dikgonngwa tsa tekatekanyopopegopedi (2-D) kgotsa ditswantsho</p> <p>Letlelela barutwana go feleletsa letlhare la tirwana o dirisa kerayone go thala mola fa gare ga mela sekao.</p> 	

<p>Beke 38</p> <p>Setlhogo</p>	<p>Nako e e tshitshintsweng ya go ruta Tirwana e le nngwe ya phaposi e e baakanyeditsweng e kaelwa ke morutabana (mosako) tsa ± 30 metsostso ka letsatsi(± 5 ditirwana tsa dipalo ka beke</p>	<p>Dintlha tsa tihaloso</p>	<p>Boleele jwa nako jo bo lekanyetswang</p>
<p>4.2 Boleele</p>	<p>Bapiso didiriswa tsa dikgong le go di rulaganya o dirisa tlotlofok e e maleba go tihalosa boleele.</p> <ul style="list-style-type: none"> • Lekanya boleele jwa barutwana ka theipi ya go lekanya. <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Lebelela mo kgwedi-tharong ya nthla le ya boraro ka nako e boleele jwa barutwana bo lekanyetswang go dirisiwa diatia mo karateng ya boleele. - Lekanyetsa boleele jwa barutwana gape. - Morutabana o baya theipi go bapa le ditshwantsho tsa diatia mo karateng ya boleele. - Boleele jwa barutwana bo a lekanyediwa gape. - Lemosa barutwana gore re dirisa sediriswa sa tekanyetso se se tthomameng, se ke se mme a se dirisang fa a roka mosese. - Jaanonong ga ba boleele jwa diatia tse 10 mme ba boleele jwa disentimetara tse 10. - Barutwana ba ka bapisa boleele jwa bone gore ke mang yo mo leele/ yo mokhutshwane mo phaposing? <p>Dirisa dikgongwa tsa tekanothakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutwana o robala fa fatshe, ba bangwe ba baya diboloko (bogolo jo bo tshwanang) mo moleng go bapa le mmele wa morutwana yo o robetseng fa fatshe. - Morutabana o neela ka ditaelo: "Bopa sengwe se se telele/khutshwane go feta tsala ya gago" 	<p>Dithusa-thuto tse di atlenegesitsweng</p> <p>Karata tsekedimo ya boleele Theipi ya go lekanya</p> 	


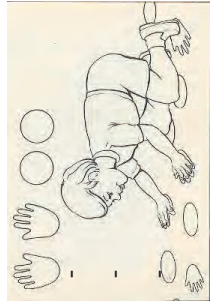
Beke 39	Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutwana (mosako) of ± 30metsetso ka letsatsi (± 5 ditirwana tsa dipalo ka beke)	Dintlha tsa tihaloso	Dithusathuto tse atlenegisetweng	Boleele jwa nako jo bo lekanyeditweng
Setlhogo	1.1 Bala didiriswa	<p>Dintlha tsa tihaloso</p> <ul style="list-style-type: none"> Gatelela bokao jwa palo 10 <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha ka 10. Balela kwa pele le kwa morago go fitlha ka 10. Bala o ipoeletsa 0-10</p> <p>Gatelela go bala palokemotatelano: Morutabana o paka didiriswa mo moleng. Sa ntsha,sa bobedi,sa boraro,sa bone,sa bothano,sa borataro</p> <p>Gatelela kgopolo ka ga “bontsi” le mmalwa” Opa diatla gantsi.....EMA. Opa diatla mmalwanyana.Murutabana o opa diatla go fitlha ka 10. Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye.</p>	<p>Dithusathuto tse atlenegisetweng</p> <p>Dipina tsa dipalo le diraeme</p>	<p>Boleele jwa nako jo bo lekanyeditweng</p> <p>Letsatsi 1</p>
		<p>Metshameko ya go dirisa mmele Letlelela barutwana :</p> <ul style="list-style-type: none"> - Motlotlo raeme ya dipalo o dirisa menwana. - Bala gore morutabana o betsa tafole ga kae o kopise se a se dirang. - Opa diatla tsa gago ga šome. - Bala letsatsi morethetho nako e barutwana ba tsamayang ka yone mo mapalamong, ba tiola tiola mo teng le kwa ntle ga dihula hupu. - Itaya maoto fa fatshe go ya ka morethetho o o tlwaelegileng. - Barutwana ba le lešome ba ema ka sekotlole mongwe le mongwe ka kgetsana ya dinawa fa gare ga sediko.A morutwana mongwe le mongwe a lathele kgetsana ya dinawa mo sekotileng le go tswelela go fitlha ka 10. Barutwana ba bale fa ba ntse ba lathelela. Boeletsa tirwana go fithelela morutwana mongwe le mongwe a bona tshono.. 	<p>Dithusathuto tse atlenegisetweng</p> <p>Kgetsana ya dinawa le sejana</p>	

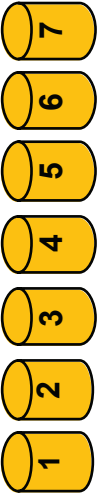
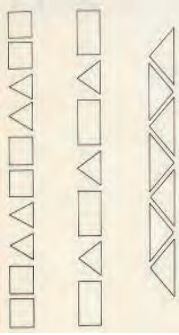
Beke 39	Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutwana (mosako) of ± 30metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)		
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse atlenegisetsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>1.1</p> <p>Matshwao le mainapalo a 10</p>	<p>Dirisa dikgonngwa tsa tekatekanyopopepedi (2-D) kgotsa ditshwantsho Kgaoganyana barutwana ka dithopha tse dinnye. Morutabana o neela ka phasele ya dipalo. Barutwana ba lemoga le go batlisa mabaka othe a kgonagalang. Barutwana ba lathelela taese go tlotlhomisa gore ke phasele efe e o e agang.</p> 	<p>Dira phasele ya dipalo tse di akaretsang dipalo tse di simololang ka 1 go fitlha ka 10</p>	

Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutwana (mosako) of ± 30metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)		
Beke 39	Dintlha tsa tihaloso	Dithusathuto tse atlenegisetweng
Setlhogo		Boleele jwa nako jo bo lekanyeditweng
1.13 Tlhakanyo le tloso	<p>Gatelela go tlhakanya le go tloso ka dikarabo tse di fitlhang ka 10</p> <p>Motlotlo: Bala didiriswa letsatsi le letsatsi go fitlha ka 10. Balela kwa pele le kwa morago go fitlha ka 10.</p> <p>Gatelela go bala letsatsi bopedi ba dirisa diraeme tsa dipalo</p> <p>Gatelela kgopolo ka ga “bontsi” le mmalwa”</p> <p>Opa diatla gantsi.....EMA.</p> <p>Opa diatla mmalwanyana.Murutabana o opa diatla go fitlha ka.</p> <p>Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye.</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana biletsa barutwana ba le ba 5 kwa pele le go tswela a ntse a oketsa ka morutwana a le mongwe go fitlha ka 10. - Barutwana ba balela kwa godimo. <p>5 le 1 →6. (Motlotlo o re: tihano le nngwe e go fa thataro)</p> <p>6 le 1 →7.</p> <p>7 le 1 →8.</p> <p>8 le 1 →9.</p> <p>9 le 1 →10.</p> <ul style="list-style-type: none"> - Morutabana o romela barutwana go balela kwa morago mme barutwana ba balela kwa morago <p>10 tloso 1 →9</p> <p>9 tloso 1 →8</p> <p>10 tloso 2 →8</p>	Dipina tsa dipalo le diraeme
	<p>Dirisa dikgonngwa tsa tekanotlhakoretharo (3-D)</p> <p>Barutwana ba dula mo mmetsheng. Morutwana mongwe le mongwe o newa Dibadisi tse 10 le sekhurumelo sa polasitiki.</p> <p>Letlelela barutwana go latela ditaelo:</p> <ul style="list-style-type: none"> - Paka dibadisi tse 4 mo godimo ga sekhurumelo.Oketsa ka tse 4. Go na le tse kae tsothe? 6 le 4 →10 - Paka dibadisi tse 10.Tloso tse 5.O setse ka tse kae? 	Murutwana mongwe le mongwe o newa didiriswa tse 10
		Sekhurumelo sa polasitiki sekao setshelo sa bebetsididi

Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutwana (mosako) of ± 30metsofso ka letsatsi (± 5 ditirwana tsa dipalo ka beke)				
Beke 39	Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse atlenegisetweng	
	1.13 Tlhakanyo le Tloso	Dirisa dikgonngwa tsa tekatekanyopogotlhakorepedi (2-D) kgotsa ditshwantsho Bala didiriswa tse 8 mo karateng ya setshwantsho. Fa o oketsa ka karata ya tsekedimo ya setshwantsho e e nang le didiriswa tse 2 mo go yone, o tla nna le tse kae jaanong? 8 le 2 →10. paka palo e e tshwanang ya dibadisi. Bala didiriswa tse 10 mo karateng ya setshwantsho. Fa o šuba didiriswa tse 3, o bona tse kae? 10 tloso 3 → 7. Paka dipalo dipalo e e tshwanang ya dibadisi.	karata tsekedimo ya setshwantsho e e akaretsang dipalo 1go fitha ka 10 Dibadisi	Boleele jwa nako jo bo lekanyeditweng
	1.4 Tihalosa , bapisa, le go rulaganya dipalo	<ul style="list-style-type: none"> • Bapisa gore ke didiriswa dife tse di kgobokantsweng tse di: <ul style="list-style-type: none"> - Ntsi go - nnye go (mmalwa) - e lekana le (di a tshwana) <p>Motlotlo: Bala didiriswa tsa letsatsi le letsatsi go fitha ka 10. Balela kwa pele le kwa morago go fitha ka 10 o dirisa diraeme le dipina. Gatelela go bala letsatsi bopedi o dirisa diraeme Gatelela kgopolo ka ga "bontsi" le bonnye" Opa diatla gantsi.....EMA. Opa diatla ga nnye. Morutabana o opa diatla go fitha ka 10. Botsa gore ke palo efe ya go opa diatla e e ntsi/nnye..</p> <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o baya barutwana ba le 6 mmogo le barutwana ba le 4 mo hula hupung e nngwe. - Morutabana o a botsa:"A go na le barutwana ba le bantsi, ba bannye kgotsa ba ba lekanang le dipalo ya barutwana mo hula hupung e nngwe le nngwe. - " Barutwana ba tlhaola gore ke hula hupu efe e e nang le dipalo e e ntsi go feta" le nnye go" kgotsa e e lekanang le" ya barutwana. 	Letsatsi 1	

Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e baakantsweng e kaelwa ke morutwana (mosako) of ± 30metsetso ka letsatsi (± 5 ditirwana tsa dipalo ka beke)			
Beke 39	Dintlha tsa tihaloso	Dithusathuto tse atlenegisetsweng	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo			
1.4 Tihalosa , bapisa, le go rulaganya dipalo	<p>Dirisa dikgonngwa tsa tekantlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Baya dibadisi tse 10, dibadisi tse 6 le dibadisi tse 4 mo tafoleng. - Kwa ntle ga go fopholeisa palo ya dibadisi/diboloko mo tafoleng. - Morutabana o botsa gore: "A go na le dibadisi di le dintsi go feta tse 7?" "A di a tshwana,kgotsa di dintsi go feta, kgotsa di dimnye go, di lekane kgotsa ga di a lekana?" - Morutabana a re: "Lekola karabo ya gago ka go bala dibadisi tsa gago" "Phopholetso ya gago e gaufi go le go kae?" <p>Dirisa dikadikgonngwa tsa tekatekanyopopegotlhakorepedi (2-D) kgotsa ditshwantsho</p> <ul style="list-style-type: none"> - Morutabana o supetsa dikarata tsekedimo tse pedi tse di nang le marontho a a farologaneng le ditshwantsho mo go tsone. - Letlelela barutwana go bapisa dikarata tsekedimo tsa ditshwantsho le marontho mo go tsone le go supa kgopolo ya gore ke tsefe tse dintsi go feta, le tse "di nnye go" le tse di "lekanang le" 	Dibadisi	
		Dikarata tse pedi ka dipalo tsa marontho tse di farologaneng kgotsa ditshwantsho mo go tsone .	

Beke 39 Setlhogo	Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutwana (mosako) of ± 30metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)	Dithusathuto tse atlenegisetweng	Boleele jwa nako jo bo lekanyeditweng
<p>3.1 Maemo, kitsiso le dipono</p>	<p>Dintlha tsa tihaloso</p> <p>Tihalosa didiriswa tse pedi kgotsa go feta tsa tekanyothakore 3 D tse di nyalana kgotsa di tshwana.</p> <ul style="list-style-type: none"> • Gatelela ka ga molema le moja <p>Metshameko ya go dirisa mmele</p> <ul style="list-style-type: none"> - Morutabana o baya dikgato tsa maoto, tsa molema le tsa leoto la moja gothe mo phaposing.  <ul style="list-style-type: none"> - Barutwana ba gagaba ka letsogo le lengwe le lengwe le le lengwe ka nako e le nngwe. - Tsamaya mo godimo ga tsone sekao fa ba le mo tseleng go ya kwa sejaneng sa go tlhapa.  <p>Murutabana o bofa lenathwana la wulu e khibidu mo seatleng sa morutwana yo mongwe le mongwe.</p> <p>Murutabana o neela ditaelo.</p> <ul style="list-style-type: none"> - Tsholetsa leoto la gago la molema - Baya lenao la gago la moja mo setilong. - Ama lengole la gago ka sekono sa letsogo la moja. - Goga tsebe ya gago ya molema ka letsogo la gago la moja. - Baya letsogo la gago la moja mo legetleng la molema le go baya letsogo la gago la molema mo legetleng la moja ka nako e le nngwe. - Itlamparele (o kgabaganya molagare). 	<p>methala ya dikgato tsa maoto e tshwaiwe gore a ke “molema” kgotsa ke “moja”</p>	<p>Letsatsi 1</p> <p>lenathwana la wulu e khibidu</p>

Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutwana (mosako) of ± 30metsofo ka letsatsi (± 5 ditirwana tsa dipalo ka beke)		
Beke 39	Dintlha tsa tihaloso	Boleele jwa nako jo bo lekanyeditsweng
Setlhogo	Dintlha tsa tihaloso	Dithusathuto tse atlenegisetweng
3.1 Maemo, kitsiso le dipono	<p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Morutabana o baya meteme/dithini tse 7 mo tafoleng. - Letlelela barutwana gore ke palo efe e e leng mo molemeng wa ga 3, ke palo efe e e leng mo mojeng wa ga 6, ke dipalo efe e fa gare ga 3 le 6. - Ke palo efe e e leng ya ntlha, ke efe e e leng ya bofelo  <ul style="list-style-type: none"> - Morutabana o baya dimpopisi tse 3/dijanaga tse 3 ka diaparo tse di iponatshang kgotsa mebala mo tafoloeng. - O botsa dipotso jaaka: <ul style="list-style-type: none"> o Ke mpopisi ofe/sejanaga sefe se se leng mo molemeng? o Ke mpopisi ofe/sejanaga sefe se se leng mo mojeng? o Ke mpopisi ofe/sejanaga sefe se se mo magareng? Ke mpopisi ofe/sejanaga sefe se se leng sa ntlha/sa bofelo? <p>Tiriso ya dipopego kgotsa ditswantsho tsa dikadikgonngwa tsa tekanyotlhakorepedi (2-D)</p> <ul style="list-style-type: none"> - Ka nako ya botsweretshi jwa pono barutwana ba penta ba dirisa letsogo la molema le la moja . - Segolola le go kgomaretisa mo lethareng o supa leoto la molema le moja. 	/meteme/dithini tse di tshwailweng ka dipalo. Dimpopisi kgotsa kara tse tharo
2.1 Dipaterone tsa Jeometeri	<ul style="list-style-type: none"> • Bopa paterone ya gagwe <p>Tiriso ya didiriswa tsa dikgonngwa tsa tekanyotlhakoretharo (3-D)</p> <ul style="list-style-type: none"> - Barutwana ba simolola go kopolola dipaterone tse di neetsweng. - La bofelo barutwana ba bopa dipaterone tsa bone le go di tihalosa . 	dipopego le dikarata tsa dipaterone. letsatsi 1

Nako e e tshitshintsweng ya go ruta : Tirwana e le nngwe ya phaposi e e baakantsweng e kaelwa ke morutwana (mosako) of ± 30metsetso ka letsatsi (± 5 ditirwana tsa dipalo ka beke)			
Beke 39	Dintlha tsa tihaloso	Dithusathuto tse atlenegisetsweng	Boleele jwa nako jo bo lekanyeditsweng
<p>Setlhogo</p> <p>2.1</p> <p>Dipaterone tsa Jeometeri</p>	<p>Tiro ya boroto ya diphekese:</p> <p>Letlelela barutwana go dirisa letsogo la moja pele mme morago ba dirise letsogo la molema, morago ba a dirise mmogo go baya diphekese mo borothong ya diphekese.</p> <ul style="list-style-type: none"> - Morutabana o bolelela barutwana gore ba beye diphekese kae sekao : <ul style="list-style-type: none"> o Mo moleng yo o kwa godimo o Mo moleng yo o kwa tlase. o Mo lelhakoreng la molema. o Mo lelhakoreng la moja. o Mo magareng. <p>Letlelela barutwana:</p> <ul style="list-style-type: none"> - dira dipopego mo borotong ya diphekese ka diphekese tse di mebala. - Morutabana o tlhama paterone e e botlhofo ka diphekese mo borotong ya diphekese ya gagwe, barutwana ba kopolola paterone ya gagwe mo borotong ya gagwe ya diphekese. 	<p>Diboroto tsa diphekese le diphekese</p> <p>Dipaterone tsa barutwana ba tshwanetseng go di kopolola</p>	

Beke 40	Dirisa beke ya bo 40 go lebelela makoa a tšhaloganyo le go tšhaola tšhaola dikgoreletsi tsa thuto.	Dintlha tsa kelo tsa go tšhatlhoba
Kgaolo ya diteng	Setlhogo	Fopholetsa le go bala o ipoeletsa go fitlha go 10 (dipina tsa dipalo le diraeme go godisa palo kgopolo)
Tiriso ya dipalopalo	1.1 Bala didiriswa	Balela kwa pele le kwa morago (0-10) Bala bobedi (dipina tsa dipalo le diraeme) Tšhaloganyo dikgopolo ka ga "bontsi" le "bonnye"(opa diatla) O tšhaloganyo gore ke palo e kae ya go opa diatla e e ntsi/e nnye, e ntsi thata/ le e nnye thata Tšhaola ditšhwantšhopalo le dikarata tsa marontho go tloga go 1-10 O itse matšhwaopalo 8, 9, 10 le 0 Go lemoga mainapalo robedi,robongwe le lešome le lefela Feleletsa palo tatelano go tloga go 1-10
	1.4 Tšhalosa ,bapisa le go rulaganya dipalo	Lemoga le go tšhaola dipalo tse di tsamaelanang le kgopolo e le nngwe sekao.dingwaga.rejisetara Farologanya fa gare ga bontsi,bonnye,lekana go fitlha ka palo 10 Tšhaloganyo palokemo tatelano ya ntlha,ya bobedi,ya boraro,ya bone,ya botlhano,ya borataro Dirisa didiriswa tse di kgongwang
	1.6 Malepa a go rarabolola dipalo	Tšhalosa kgopolo ya gago ka mafoko ka go dirisa botaki kgotsa didiriswa tse di kgongwang Rarabolola ka go Mottlotlo dipalo tsa go tšhakanya le go tlosa tse di akaretsang dipalo tse di fitlhang go 10
	1.7 le 1.13 Tšhakanyo le tšoso	Kopolola.atolosa le go bopa dipaterone ka go reetsa Tšhaloganyo motšhameko wa "go tloa ka leoto le le losi"
Dipaterone le tiriso	2.1 Tekanyetso ya dipaterone	Itse dikgopolo go bapa,mo gare le fa gare ,molemeng le mojeng.
Boalo le popego	3.1 Maemo, kitsiso le dipono	Tšhaloganyo dikgopolo: kwa pele le kwa morago,godimo le tlase,kwa godimo le kwa tlase,molemeng le mojeng.
	3.2 Didiriswa tsa tekanyotšhakoretharo 3-D le 3.3 Dipopego tsa tekanothakorepedi 2-D	Kgono ya go aga dikarolo tsa di phasele di ka nna 24 Lemoga le go tšhaola sediko,khutlototharo,khutlonne le khutlonnetsepa
	3.4. Jeometri	Lemoga mela ya tekanyetso mo didirisweng .
	4.2 Boleele	Tšhaloganyo gore didiriswa le tšone di a lekanyetswa ka go dirisa teipe ya go lekanyetsa
Tekanyetso	5.1 Phutha le go tšhaola dilo.	Kgono ya go kgobokanya,tšhaola ,thala,buisa le supa (sekaseka) didiriswa go ya ka dineelo
Tšhwaro ya tšhedimosetso.	5.2 Kemedi ya tšhaolo ya dilo.	
	5.3 Tšhalosa le pegelo mo dilong tse di tšhaotšweng	

KAROLO 4: TLHATLHOBO

4.1 MATSENO

Tlhatlho bo ke dikgato tse di rulaganeng tse di tswelelang go supa, go kokoanya le go ranolola tshedimosetso ka ga bokgoni jwa barutwana o dirisa mekgwa e e fapaapaaneng tsa tlhatlho bo. E akaretsa dikgato tse nne:

- go tllhamale go kgobokanya/kokoanya bopaki jwa phitlhelelo,
- go tlhatlho ba bopaki jo;
- go rekota diphitlhelelo le
- ka go dirisa tshedimosetso go tlhaloganya mme o kgone go thusa kgolo yabarutwana gore ba kgone go tokafatsa dikgato tsa bona tsa go ithuta le go ruta

Tlhatlho bo e tshwanetse go nna e e sa tlhomameng (tlhatlho bo ya go tlhomamisa se se tshwanetseng go rutwa) le e e tlhomameng (tlhatlho bo ya go ithuta). Moditlhatlho bong tsotlhe dipholodi tshwanetswe go fiwa/newa barutwana, go tsholetsa maitemogelo a go ithuta.

Mo Kgatong ya Motheo , malepa a magolo a tlhatlho bo e e sa tlhomamang le e e tlhomameng ke go lebelela ga morutabana, dipuisano tsa molomo, ditiragatso le go rekota ka go kwala. Tlhatlho bo mo Mophatong wa R e tshwanetse go nna ya molomo le ya tiragatso.

4.2 TLHATLHOBO E E SA TLHOMAMANG KGOTSA TLHATLHOBO YA LETSATSI LE LETSATSI

Tlhatlho bo ya go tlhomamisa se se tshwanetseng go rutwa ke kgato ya go tswelela go kokoanya tshedimosetso ka phitlhelelo ya morutwana. Se se bidiwa tlhatlho bo e e sa tlhomamamang. Ke tekolo ya letsatsi le letsatsi ya tswelelopele ya morutwana. Se se dirwa ka go lebelela, go buisana, go tiragatsa, tlhotlhelletsano/go dirisana go go sa tlhomamang mo phaposing jalo lejalo. Tlhatlho bo e seka ya tsewa jaaka selo se se kgaoganeng le ditirwana tsa go ithuta tse di dirwang mo phaposing. Tlhatlho bo e e sa tlhomamang e thusa morutabana go lekola tswelelopele ya morutwana le go dira ditaello tsa go tsaya ditshwetso letsatsi le letsatsi. Tlhatlho bo e e sa tlhomamang e dirisiwa go:

- neela barutwana dipholo.
- Itsese go rulaganya ga go ruta.

Ka nako tse dingwe morutabana a ka boloka lenanenetefatso kgotsa lenaneo la tekolo jaaka tsela ya go rekota tswelelopele ya barutwana. Ka nako tse dingwe morutwana kgotsa morutabana a ka nna a tshwaya tiro ya morutwana. Le gale, tlhatlho bo e e sa tlhomamang ga e nne karolo ya rekoto ya morutwana ya tlhatlho bo e e tlhomameng. Dipholo tsa ditiro tsa tlhatlho bo e e sa tlhomamang ga di direkotiwe go tsweletsa morutwana mo mophatong o o latelang le go mo abela ya setifikeiti.

4.3 TLHATLHOBO E E TLHOMAMENG

Ditiro tsotlhe tsa tlhatlho bo tse di akareditsweng mo lenaneong la tlhatlho bo e e tlhomameng ya ngwaga di tsewa jaaka Tlhatlho bo e e Tlhomameng. Ditiro tsa tlhatlho bo e e tlhomameng di ka tshwaiwa le go rekotiwa semmuso ke morutabana go dira gore morutwana a tswelole mo mophatong o o latelang le go mo abela/neela setifikeiti. Tlhatlho bo e e tlhomameng e neela morutabana tsela e e rulaganeng ya go tlhatlho ba tswelelopele ya barutwana mo mophatong, le mo serutweng se se rileng.

Morutabana a ka kgona bo lebelela barutwana ba le lesome ka nako e le nngwe, ka jalo tlhatlho bo e e tlhomameng e tla dirwa mo ditlhopheng tse dinnye ka dinako tse di tsepameng mme go tla tsaya malatsi a le mmalwa go tlhatlho ba barutwana botlhe mo phaposing. Didiriswa tsotlhe tse barutwana ba di dirisang ka gale di tshwanetse go nna teng ka nako tsotlhe (dibadisi, di tshate tsa dipalo.)

Mefuta ya tlhathobo e e dirisitsweng e tshwanetse go lekanela dingwaga tsa barutwana le kgolo ya bona. Tlhathobo e e tlhomameng e tshwanetse go akaretsa dikgato tsotlhe tsa maemo a go tshaloganya le bokgoni jwa barutwana. Tlhamo ya ditiro tse, e tshwanetse go akaretsa diteng tsa serutwa ka ditsela tse di farologaneng.

Mefuta e e farologaneng ya tlhathobo (go lebelela, go bua, go diragatsa le go kwala) di tshwanetse go dirisiwa go naya morutwana mongwe le mongwe tšhono ya go bontsha se a kgonang go se dira. Se ke ka ntlha ya gore go bonolo mo barutwaneng ba bangwe go bontsha se ba se itseng mo mefuteng mengwe ya tlhathobo. Sekao

- Barutwana ba ba nang le mathata a go bala ba dira sentle mo dipalong.
- Barutabana ba bangwe ba ka bo ba se maemong a a solofelwang a bokgoni jwa puo ya go ithuta le go rutwa .

Ditiro tsa tlhathobo tsa serutwa sa Dipalo di tlhoka go akaretsa ditiro tse di sa ikaegang ka puo ebile di sa ikaega mo go itseng go buisa go bontsha bokgoni jwa morutwana.

Ka jalo, go tshwanetse ga tlhokomelwa se se tlhathobiwang. Kitso le dikgono tse di rileng di tlhathobiwa sentle ka mefuta e e rileng ya tlhathobo. Mefuta e e farologaneng ya ditlhathobo e maleba go dikgono le dikakanyo tse di leng botlhokwa mo ditlhogong tse di farologaneng mo ditlhopeneng tsa barutwana ba dingwaga tse di farologaneng. Go mosola go dirisa lenanenetefatso la go lebelela go tlhathoba barutwana mo mephatong e e kwa tlase. Dirubiriki di ka dirisiwa go thusa go tlhathoba bokgoni jwa barutwana jwa go dirisa dikgono tsa go rarabololamathata a dipalo.

4.4 LENANEO LA TLHATHOBO E E TLHOMAMENG

Ditiro tsa tlhathobo tse di tlhomameng tsa serutwa sa Dipalo di akaretsa go feta setlhogo se le sengwe mo serutweng sa Dipalo. Ditirwana tsa tlhathobo mo ngwageng di tlhoka go akaretsa diteng tsa dirutwa le ditlhogo tsotlhe mme ga se sengwe le sengwe mo kharikhulamong se go tlhokagalang go ka tlhathobiwa ka tlhomamo kgotsa sa begiwa ka tlhomamo. Dipalo, Matshwao le Dikgolagano di dira diporesente di le 60 tsa serutwa sa Dipalo mo mephatong ya R. Se, se raya gore 60% ya tlhathobo e e tlhomameng mo kgwedi-tharong nngwe le nngwe mme le mo ngwageng e tshwanetse go tsepamesiwa mo dipalong, matshwao le dikgolagano.

Tiro nngwe le nngwe ya tlhathobo e e tlhomameng ga e a tshwanela go lebelelwa jaaka tiragalo kgotsa teko e e ike-metseng e le nosi. Dintlha tsa kelo tse dingwe di ka nna tsa tlhathobiwa ka nako e le nngwe mme fela ba bangwe ba ka tlhathobiwa ka dinako tse di farologaneng le tsa ba bangwe. Sekao, fa barutwana ba tlhathobiwa bokgoni jwa go tlola go bala , bokgoni jwa bona jwa go dira tse di latelang bo ka tlhathobiwa mo tirwaneng kgotsa mo ditiragalong :

- Feleletsatsela ya go bala
- Buisa le go kwala matshwao a dipalo
- Go bala

Le fa le go ntse jalo, fa tiro ya tlhathobo e akaretsa tharabololo ya mathata ka go kgobokanya kgotsa go aroganya, le go tlhathoba bokgoni jwa barutwana go lekanyetsa mothamo, go a kgonagala gore dintlha tse tsa Dipalo di tlhathobiwe ka dinako tse di farologaneng le ka mekgwa e e farologaneng.

4.5 GO REKOTA LE GO BEGA

Go rekota ke kgato e morutabana a e dirisang go kwala maemo a bokgoni jwa morutwana mo tirong ya ditlhathobo tse dirileng. E supa tswelolepele ya morutwana go ya mo phitlhelelong ya kitso jaaka e kailwe mo Pegelong ya Pholisi ya ya Kharikhulamo le Tlhathobo. Direkoto tsa go dira/bokgoni jwa barutwana di tshwanetse go neelana ka bopaki jwa tswelotso ya tshaloganyo ya morutwana mo mophatong le go ipaakanyetsa go tswelela kgotsa go fetisediwa kwa mophatong o o latelang. Direkoto tsa bokgoni jwa morutwana di tshwanetse go dirisiwa go netefatsa tswelolepele e e dirilweng ke morutabana le morutwana mo dikgatong tsa go ruta le go ithuta.

Go bega ke tsela ya go tlhaeletsana le barutwana, batsadi, dikolo le batsayakarolo bangwe mo thutong ya barutwana ka ga bokgoni/go dira ga barutwana. Bokgoni jwa morutwana bo ka begiwa ka tsela tse di farologaneng. Tse

DIPALO TSA MOPHATO R

di akaretsa dikaratapego, dikopano tsa batsadi, malatsi a ketelo kwa sekolong, dipuisano magareng ga motsadi-le-morutabana, go letsa mogala, go kwala makwalo, go dirisa lekwalo dikgang la sekolo jalo jalo. Barutabana mo mephatong yotlhe ba dirisa diporesente go bega bokgoni jwa go dira ga morutwana mo serutweng. Maemo a phitlhelelo a a farologaneng a barutwana le nyalano ya dikgamu tsa diporesente di bontshitswe mo lenaneong le le latelang.

DIKHOUTU LE DIPERESENTE TSA GO REKOTA LE GO BEGA

Khoutu ya seemo	Tihalosoya bokgoni	Peresente
7	Phitlhelelo ka dinaledi	80 – 100
6	Phitlhelelo ka matsetseleko	70 – 79
5	Phitlhelelo e e tletseng	60 – 69
4	Phitlhelelo e e itumedisang	50 – 59
3	Phitlhelelo ka tekano	40 – 49
2	Phitlhelelo e e potlana	30 – 39
1	Ga a fitlhelela	0 – 29

4.6 KAKARETSO

Lokwalo lo, le tshwanetse go buisiwa mmogo le:

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 SEKAO SA LENANE NETEFATSO TLHATLHOBO E E TLHOMAMENG YA MOPHATO WA R

Ka fa tlase go neetswe sekao sa manaane a a lekolang tlhatlho bo ya mophato wa R. Maikaelelo ke go thusa barutabana go rulaganya le go diragatsa tlhatlho bo e e tlhomameng e e diragadiwang ka tsela e e tsweleng.

MOPHATO R				
Lenaanenefatso la tlhatlho bo la kgweditharo 1				
Diteng tsa serutwa	Diteng	Dintlha tsa kelo	√ kgotsa ×	Ditshwaelo
Dipalo, Matshwao Le dikgolagano	Go bala	Fopholetsa le go bala ka go boeletsa go fitlha ka 5 (Dipina tsa dipalo le merumo tse di akareditsweng go godisa kgopolo ya palo)		
	Temogo ya palo	Lemoga dipalo mo tirisong e e tlwaelegileng-sekao dingwaga, rejisetara		
		Tihaloganya palokematelano (sekao ka nako ya go ya ntlwana boithusetso)		
	Palokgopolo	Tihaloganya tirisano ya bongwe ka bongwe (tshate ya mothusi ka nako ya dilapolosi/dijo)		
	Supa le go tshalosa dipalotlalo	Supa ditshwantsho tsa dipalo le karata ya khutlo e e akaretsang palo nngwe		
		Itse letshwaopalo 1 Lemoga leinapalo nngwe		
Rarabolola dipalo	Dirisa dithusathuto tse di kgonngwang Tihalosa kakanyo ya gago ka mafoko le ka ditshwantsho kgotsa didiriswa tse di kgonngwang			

MOPHATO R				
Lenaanenetefatso la tlihatlubo la kgweditharo 1				
Diteng tsa serutwa	Diteng	Dintlha tsa kelo	√ kgotsa ×	Ditshwaelo
Dipaterone, tiriso le Alejebera	Kopolola,oketsa le go aga dipaterone tsa gago	Supa dipaterone mo tikologong		
		Kopolola, oketsa le go aga dipaterone tsa gago		
Boalo le popego (Jeometeri)	Lemoga, supa le go neela didiriswa tsa tlhakoretharo (3-D) maina	Lemoga, supa o neele maina a dibolo		
		Lemoga,supa o neele maina a mabokoso		
	Lemoga, supa le go neela dipopego le ditshwantsho tsa tlhakorepedi (2-D) maina	Lemoga, supa le go neela matshwao a gago,le a balekane ba gago le maina a phaposi		
		Bonny aga malea/phasele ya dikarolwana di le 6		
		Bontsha bokgoni ba go farologanya magareng ga didiriswa tse di kwa pele le kwa morago		
	Dipopego tsa jeometeri	Go supa le go lemoga didiko/disekele		
		Go supa le go lemoga khutlotharo		
		Go supa le go lemoga sekwera		
	Tlhalosa, tlaola le go tshwantsha didiriswa tsa tlhakoretharo (3-D) go ya ka:	Tshwantshanya bogolo, bonnye,bogolo thata le bonnye thata jwa di diriswa tse dikgobokantsweng,di neetswe di le pedi		
		Tlhaola didiriswa ka bogolo:		
		Bogolo le bonnye		
		Mmala –mebalatheo (bohibidu,serolwana,botala jwa legodimo)		
Popego-sediko/sekele,khutlotharo le sekwera				
Didiriswa tse di pitokologang				
Lemoga mola wa tekatekano mo:	Kgolagano ya boalo:	Itse bopele kgotsa bomorago		
		Itse bogodimo,bokwatlase		
	Maemo a didiriswa di le pedi kgotsa go feta a a nang le kgolagano le morutwana	Itse bogare le bokwantle		
		Itse bogodimo le bokwatlase		
	Dikaelo	Tlhaloganya dikakanyo: bokwapele, bomorago		
	Tekanyo	Nako	Dirisa mafoko jaaka motshegare, bosigo, lesedi le lefifi, moso le ka letlatlaana, bosigo go tlhalosa nako	
Thulaganyo ya ditiragalo tse di tlhagelelang gangwe le gape mo botshelong jwa gago jwa ka metlha(Thulaganyo/porogerama ya letsatsi le letsatsi)				
Bontsha maitemogelo a maina a matsatsi a beke, a ditlha le a bosa				
Itse letsatsi la gago la botsalo				
	Boleele	Farologanya magareng ga boleele, boleele go feta,boleeele go fetisisa,bokhutshwane go feta le bokhutshwane go fetisisa(tshate ya boleele		
Go dira ka tshedimosetso	Kgobokanya, tlaola, thala bala le go tlhagisa tshedimosetso	Go kgona go kgobokanya, go tlaola,go thala,go bala,go tlhagisa /sekaseka didiriswa go ya ka go bala ga gago.		

TEKANYO YA BOFELO

MOPHATO R				
Lenaanenetefatso la tlihatlhobo la kgweditharo 2				
Diteng tsa serutwa	Diteng	Dintlha tsa kelo	√ kgotsa ×	Ditshwaelo
Dipalo, Matshwao le Dikgolagano	Go bala	Fopholetsa le go bala ka go boeletsa go fitlha ka 7 (Dipina tsa dipalo le merumo tse di akareditsweng go godisa kgopolo ya palo)		
		Bala go tloga kwa morago go ya kwa pele (1-4)		
		Tlhaloganya dikakanyo "bontsi,bonnye(go opa diatla)		
	Temogo ya palo	Lemoga dipalo mo tirisong e e tlwaelegileng-sekao Palo ya ntlo, aterese le rejisetara		
		Tlhaloganya palokemotatelano (sekao ka nako ya go ya ntlwana boithusetso)		
	Supa le go tlhalosa dipalotlalo	Supa ditshwantsho tsa dipalo le karata ya khutlo		
		Itse letshwaopalo 1,2,3,4		
		Lemoga leinapalo pedi,tharo le nne		
	Palo kgopolo	Tlhaloganya tirisano ya bongwe ka bongwe(tshate ya mothusi ka nako ya dilapolosi/dijo)		
		Farologanya magareng ga bontsi ,bonnye le go lekana go fitlhelela go 4		
		Lemoga tšhelete a tshipi a a farologaneng a Aforika Borwa		
	Rarabolola dipalo	Dirisa dithusathuto tse di kgonngwang		
Tlhalosa monagano wa gago ka mafoko le ka ditshwantsho kgotsa didiriswa tse di kgonngwang				
Ranolola dipalo tsa go tlhakanya le go ntsha ka go bua go fitlha go 4				
Kopolola, oketsa le go aga dipaterone tsa gago(didiriswa, dipopego le tšhelete a tshipi)				
Dipaterone le ditiro	Kopolola, atolosa le go tlhama dipaterone tsa gago	Kopolola, atolosa le go tlhama dipaterone tsa bona (didiriswa, dipopego le papetlana tsa tšhelete)		
Boalo le popego (jeometeri)	Lemoga, supa le go neela dipopego le ditshwantsho tsa tlhakorepedi (2-D) maina	Bonnye aga malea/phasele ya dikarolwana di le 12		
		Bontsha bokgoni ba go farologanya magareng ga didiriswa tse di kwa pele le kwa morago (tthatlhoba gape)		
	Dipopego tsa jeometeri	Go supa le go lemoga dikhutlotharo		
		Tlhaloganya le go aga dikhutlotharo tse di sa fetogeng (boloka dipopego/se fetole dipopego)		
	Tlhalosa, tlhaola le go tshwantsha didiriswa tsa tlhakoretharo(3-D) go ya ka	Tshwantshanya boleele le bokhutshwane jwa di diriswa tse dikgobokantsweng,di neetswe di le pedi		
		Tlhaola didiriswa ka bogolo,boleele le bokhutshwane		
		Mmala –mebalatheo (bohibidu,serolwana, botala jwa legodimo,botala jwa tlhaga)		
	Dipopego			
Aga di diriswa tsa matlhokoretharo o dirisa dilo tse di kgonngwang	Tlhotlhomisa ka go dirisa diboloko tsa go aga			
Lemoga mola wa tekatekano mo:	Lemoga mola wa tekatekano mo wena le mo tikologong.			
	Bokgoni jwa go kgabaganya molagare			
Kgolagano ya boalo	Tlhaloganya maemo a didiriswa di le pedi kgotsa go feta a a nang le kgolagano le morutwana - godimo, tlase ga			

MOPHATO R				
Lenaanenetefatso la tlihatlhobo la kgweditharo 2				
Diteng tsa serutwa	Diteng	Dintlha tsa kelo	√ kgotsa ×	Ditsh-waelo
Tekanyo	Nako	Tlhaloganya a maina a matsatsi, a ditlha le tshate ya bosa (dipina le diraeme-Tlhatlhoba gape)		
		Itse letsatsi la gago la botsalo		
	Boleele	Fopholetsa le go lekanyetsa boleele jwa didiriswa tse di farologaneng		
Go dira ka tshedimose tso	Kgobokanya, tthaola , thala bala le go tthagisa tshedimose tso	Go kgona go kgobokanya, go tthaola, go thala, go bala, go tthagisa /sekaseka didiriswa go ya ka go bala ga gago.		

TEKANYO YA BOFELO

MOPHATO R					
Lenaanenetefatso la tlihatlhobo la kgweditharo 3					
Diteng tsa serutwa	Diteng	Dintlha tsa kelo	√ kgotsa ×	Ditsh-waelo	
Dipalo, Matshwao le dikgolagano	Go bala	Fopholetsa le go bala ka go boeletsa go fitlha ka 7 (Dipina tsa dipalo le merumo tse di akareditsweng go godisa kgopolo ya palo)			
		Bala go tloga kwa morago go ya kwa pele (1-7)			
		Itse gore bonnye/bontsi go opilwe diatla ga kae.			
	Temogo ya palo	Lemoga dipalo mo tirisong e e tlwaelegileng-sekao dingwaga, rejisetara(tlhatlhoba gape)			
	Supa le go tthalosa dipalotlalo		Supa ditshwantsho tsa dipalo le karata ya khutlo go fitlha ka 7		
			Itse letshwaopalo 5,6,7		
			Lemoga leinapalo tlhano, thataro le supa		
	Palo kgopolo		Farologanya magareng ga bontsi, bonnye le go lekana go fitlhelela ka 7		
			Lemoga mmala mmogo le mefuta e e farologaneng ya diphologolo mo dintlheng tsa Aforika Borwa		
	Rarabolola dipalo		Dirisa dithusathuto tse di kgonngwang.		
Tlhalosa monagano wa gago ka mafoko le ka ditshwantsho kgotsa didiriswa tse di kgonngwang					
		Ranolola dipalo tsa go tlhakanya le go ntsha ka go bua go fitlha go 7			
Dipaterone le ditiriso	Kopolola, oketsa le go aga dipaterone tsa gago	Kopolola, oketsa le go aga dipaterone tsa gago o dirisa ditshwantsho			

MOPHATO R				
Lenaanenetefatso la tlhatlho bo la kgweditharo 3				
Diteng tsa serutwa	Diteng	Dintlha tsa kelo	√ kgotsa ×	Ditsh-waelo
Boalo le popego (Jeometri)	Lemoga, supa le go neela dipopego le ditshwantsho tsa tlhakorepedi (2-D) maina	Bonnye aga malea/phasele ya dikarolwana di le 18		
	Dipopego tsa jeometri	Go supa le go lemoga le go neela dikhutlonne maina		
		Tlhaloganya le go aga dikhutloharo tse di sa fetogeng tse o di ithutileng go fitlha ka mo nakong e (boloka dipopego/se fetole dipopego)		
	Aga di diriswa tsa matlhokoretharo (3-D) o dirisa dilo tse di kgongwang	Aga go tswa go mo sekao sa kago e e setseng e neilwe		
		Kopolola moago go tswa mo o o tlhamilweng kgotsa karata ya setshwantho.		
	Kgolagano ya boalo:	Dikaelo	Itse maemo a didiriswa di le pedi kgotsa go feta a a nang le kgolagano le morutwana	
Kwa pele ga, morago ga, godimo ga, tlase ga, kwa tlase, kwa tlase ga, fa thoko ga, gare ga molemeng, mojang.				
Diragatsa ditaelo mo borotong ya diphekese				
Tekanyo	Boleele	Phopholetsa le go lekanyetsa boleele jwa didiriswa tse di farologaneng		
	Boima	Tlhaloganya dikakanyo "botlhofo,boima,botlhofo go feta,boima go feta,botlhofo go fetisisa le boima go fetisisa.		
	Mothamo/bolumu	Tlhalogana tiriso ya "lolea, tletse, ntsi go feta, nnye go feta".		
Go dira ka tshedimosetso	Kgobokanya, tlhaola, thala bala le go tlhagisa tshedimosetso	Go kgona go kgobokanya, go tlhaola,go thala,go bala,go tlhagisa /sekaseka didiriswa go ya ka go bala ga gago.		

TEKANYO YA BOFELO

MOPHATO R					
Lenaanenetefatso la tlihatlhobo la kgweditharo 4					
Diteng tsa serutwa	Diteng	Dintlha tsa kelo	√ kgotsa ×	Ditshwaelo	
Dipalo, Matshwao le Dikgolagano	Go bala	Fopholetsa le go bala ka go boeletsa go fitlha ka 10 (Dipina tsa dipalo le merumo tse di akareditsweng go godisa kgopolo ya palo)			
		Bala go tloga kwa morago go ya kwa pele (0-10)			
		Bala ka bopedi (2s). Dipina tsa dipalo le merumo			
		Tlhaloganyana dikakanyo tsa bonnye/bontsi go opiwa diatla			
		Tlhaloganyana gore bonnye/bontsi go opilwe diatla ga kae.			
	Temogo ya palo	Lemoga le go supa dipalo mo tirisong e e tlwaelegileng-sekao dingwaga, rejisetara			
	Supa le go thalosa dipalotlalo	Supa ditshwantsho tsa dipalo le karata ya khutlo go simolola ka 0-10			
		Itse letshwaopalo 8,9,10 le 0			
		Lemoga leinapalo robedi,robongwe, lesome le lefela			
		Feleletsatsa tatelano ya dipalo tse di bonolo go tloga go palo 1-10			
	Palo kgopolo	Farologanya magareng ga bontsi ,bonnye le go lekana go fitlhelela ka 10			
		Tlhaloganyana tatelano ya dipalo-bongwe,bobedi boraro bone, botlhano le borataro			
	Rarabolola dipalo	Dirisa dithusathuto tse di kgonngwang			
		Tlhalosa monagano wa gago ka mafoko le ka ditshwantsho kgotsa didiriswa tse di kgonngwang			
		Ranolola dipalo tsa go tlhakanya le go ntsha ka go bua go fitlha ka 10			
Dipaterone le ditiriso	Kopolola,oketsa le go aga dipaterone tsa gago	Kopolola,oketsa le go aga dipaterone tsa gago tsa kutlo			
		Tlhaloganyana motshameko wa sekotšhe			
Boalo le popego (jeometri)	Lemoga, supa le go neela dipopego le ditshwantsho tsa tlhakorepedi (2-D) maina	Bonnye aga malea/phasele ya dikarolwana di le 24			
		Dipopego tsajeometri	Go supa le go lemoga sekele,khutlotharo,sekwera le khutlonnetsepa		
		Lemoga mola wa tekatekano	Lemoga mola wa tekatekano mo didirisweng		
	Kgolagano ya boalo:	Itse kakanyo gaufi le, magareng, moja le molema			
		Bokgoni ba go dira ditiro tse di tsa go tswelela tsa boto ya ditlhomelwa			
	Dikaelo	Tlhaloganyana dikakanyo: bo kwa pele le bomorago, godimo le tlase moja le molema			
Tekanyo	Boleele	Tlhaloganyana gore didiriswa le tsona di lekanyetswa ka go dirisa teipi ya go lekanyetsa			
Go dira ka tshedimosetso	Kgobokanya, tlhaola, thala bala le go tlhagisa tshedimosetso	Go kgona go kgobokanya, go tlhaola,go thala,go bala,go tlhagisa /sekaseka didiriswa go ya ka go bala ga gago.			

TEKANYO YA BOFELO

