

Manana Angie Motshekga,
Holobye wa Dyondzo ya
Masungulo



Nkulukumba Enver Surty,
Xandla xa Holobye wa
Dyondzo ya Masungulo

Tibuku leti to tirhela ti endleriwe vana va Afrika-Dzonga ehansi ka vurhangeri bya Holobye wa Dyondzo ya Masungulo, Manana Angie Motshega, na Xandla xa Holobye wa Dyondzo ya Masungulo, Nkulukumba Enver Surty.

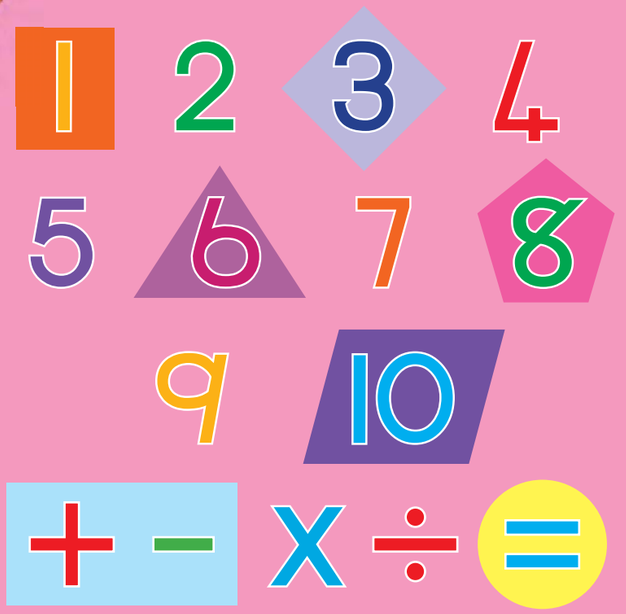
Tibuku to tirhela ta Rainbow ti vumba xiyenge xin'wana xa ntlawa wa migingiriko ya Ndzawulo ya Dyondzo ya Masungulo leyi kongomisiweke eka ku antswisa matirhelo ya vadyondzi va Vaafrika-Dzonga eka tigiredi ta ntsevu to sungula. Tanihi xin'wana xa swilo leswi nga swirhangana eka nkunguhato wa matirhelo ya mfumo, phurojeke leyi yi humelerile hi ku seketeriwa hi timali hi Nkwama wa Timali ta Tiko. Leswi swi endlile leswaku Ndzawulo yi swi kota ku endla leswaku tibuku leti to tirhela, ti kumeka hi tindzimi hinkwato ta ximfumo handle ko hakeleriwa.

Hi tshemba leswaku tibuku leti ti ta pfuna vadyondzisi eka migingiriko ya vona yo dyondzisa ya masiku hinkwawo no tiyisisa leswaku vadyondzi va vona va kota ku heta kharikhulamu. Hi tiyisise no letela mudyondzisi eka nghingiriko wun'wana na wun'wana hi ku katsa mifungho leyi kombisaka leswi mudyondzi a faneleke ku endla swona.

Hi ni ntshembo leswaku vana va ta tiphina no tsakela ku tirha migingiriko leyi nga ebukwini loko va ri karhi va ya emahlweni no dyondza, na leswaku wena, mudyondzisi, u ta tsaka swin'we na vona.

Hi mi navelela ku humelela, wena na vadyondzi va wena eku tirhiseni tibuku leti to tirhela.





Rainbow WORKBOOKS

MATHEMATICS IN XITSONGA
GRADE 3 – BOOK 1
TERMS 1 & 2
ISBN 978-1-4315-0014-7

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MATEMATIKI HI XITSONGA – Giredi ya 3 Buku ya 1

ISBN 978-1-4315-0014-7



Vito:

Tlilasi:

basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

MATEMATIKI HI XITSONGA

Buku ya 1

Tikotara ta 1 na 2





2 x 2=4

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Published by the Department of Basic Education
222 Struben Street
Pretoria
South Africa

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Third edition 2013

ISBN 978-1-4315-0014-7

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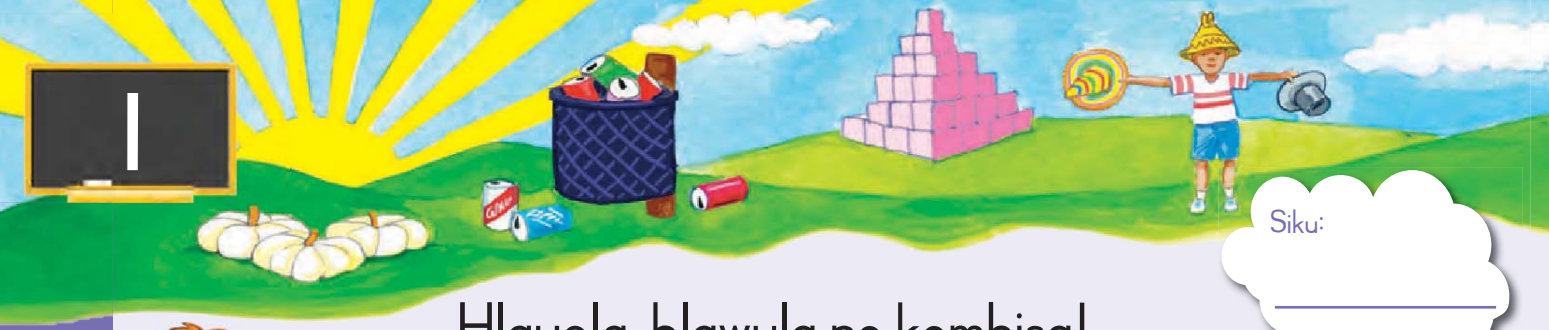
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39



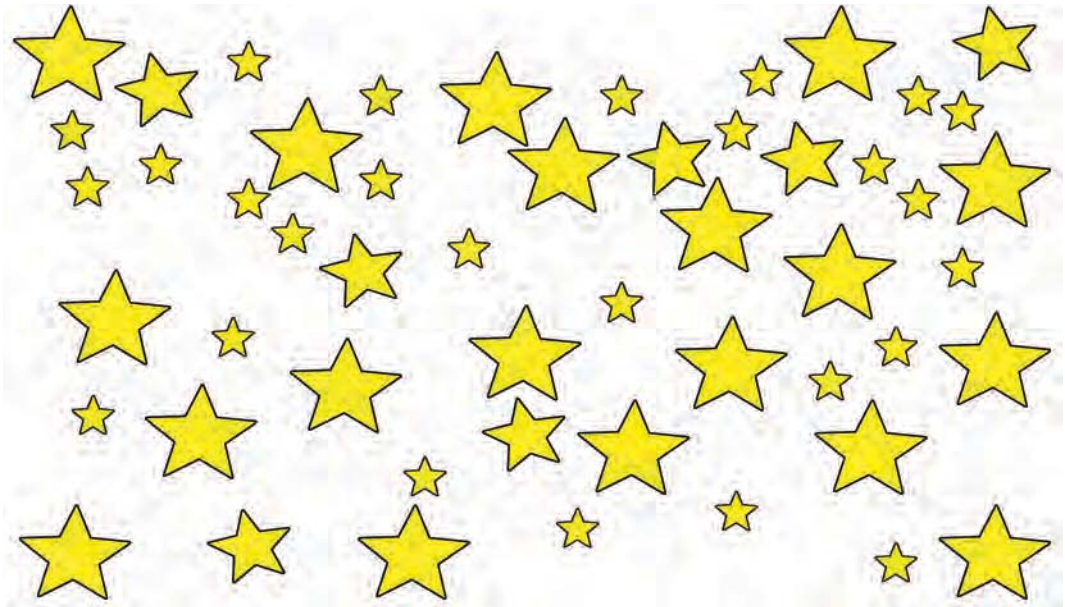
Siku: _____

Hlayela, hlawula no kombisa!



I tinyeleti tingani?
Tirhani hi mitlawa ya vanharhu.

Fananisani tinhlamulo.



Pimanyisani leswaku ku na tinyeleti tingani. _____
Sweswi ti hlayeleni. _____



Kumani muhluri!
Xana i mani a nga endla mpimanyiso wa kahle?
Tatani mavito ya n'wina na tinhlamulo ta n'wina eka tafula leri.

Vito				
Mpimanyiso				
Nhlayo leyi hlayeriweke				
Ku hambana exikarhi ka mpimanyiso na ku hlayela ka n'wina				



1 2 3 4 5 6 7 8 9 10



Tindlela to hlayela. Hi pfuneni ku ti tsala ehansi.



Ndzi hlayele hi vun'we.



1, 2, 3, _____

_____



2, 4, 6, _____

_____



Ndzi hlayele hi vu-2.

Ndzi hlayele hi vuntlhanu.





5, _____

_____



_____

_____



Ndzi hlayele hi vukhume.



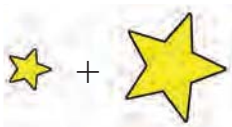
Tsalani swivulwa swa tinomboro

Loko u hlanganisa tinomboro tihi kumbe tihi timbirhi malongolokelo ya tona a ya vuli nchumu.

Tsala swivulwa swimbirhi ku nyika ntsengo wa tinyeleti letikulu na letitsongo exifanisweni lexi nga eka pheji ra 2. Swi tsale hi tindlela timbirhi.

Kulu Tsongo Ku fana na leswi kumbe ku fana na leswi

 +  = ____

 + = ____

naswona tanihi swivulwa swa tinomboro.

_____ + _____ = _____ *kumbe* _____ + _____ = _____

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20



2

Siku: _____

Ku hlayela hi vutlhari



Ku hlayela makwembe

Kuma ndlela yo olova yo ma hlayela!

Nhlamulo: _____



Ku paka makwembe

Makwembe ya khume ya nghena esakeni rin'we.



Xana ku na masaka mangani? _____

Xana ya hundze hi makwembe mangani? _____

Xana i makwembe mangani man'wana ma lavekaka ku tatisa saka rin'wana rin'we? _____

1 2 3 4 5 6 7 8 9 10



Ku suka eka + ku ya eka × (ku hlanganisa no andzisa)

Hetisa swivulwa swa tinomboro.

Xikombiso:
10 + 10 + 10 + 10 = 40 ⟹ ntsengo wa 4 wa mitlawa ya 10 = 40 ⟹ 4 × 10 = 40



a. 10 + 10 + 10 = _____

_____ wa mitlawa ya 10 = _____ ⟹ _____×_____ = _____



b. 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 = _____

_____ wa mitlawa ya 10 = _____ ⟹ _____×_____ = _____

Swandla na tintiho



Xana i swandla swingani? _____ Xana i tintiho tingani?_____

Tsala nhlamulo ya wena hi 2 wa tindlela.

_____ wa mitlawa ya 10 = _____ na _____ × 10 = _____

Teacher:
Sign:
Date:





3a

Siku:

Tinomboro eka giridi



Ku vulavula hi tinomboro

Hlayela no vula tinomboro hinkwato ku suka eka 1–100. Kombetela loko u ri karhi u hlayela u ya emahlweni.

1	2	3	4	5	6		8	9	10
11									
						27			
			34						40
41									
				55					
		63							
71									
					86				
			94						100



a. Tsala nomboro leyi siyiweke eka buloko yin'wana na yin'wana ya wasi.

b. Tsala tinomboro letin'wana.

c. Xana tinomboro ta xitshopana i ta njhani?



Tsala tinomboro hi marito.

90	makumekaye	41	
77		56	
14		65	



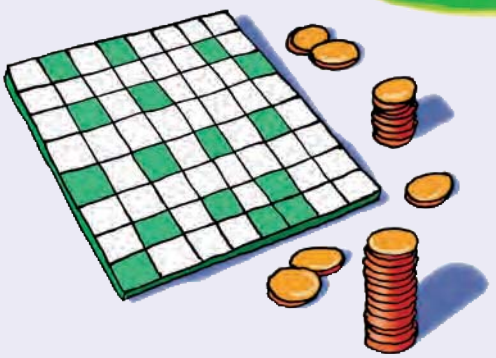
1 2 3 4 5 6 7 8 9 10





U ta fanela ku va na giridi ya tinomboro ta 1–100.

Ku hlayela no pfala

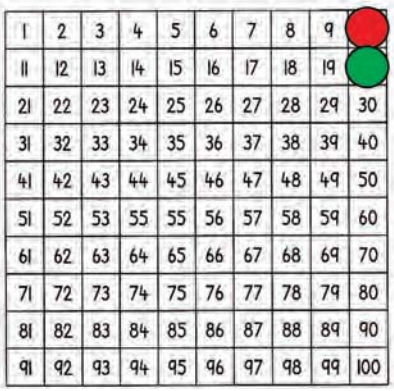
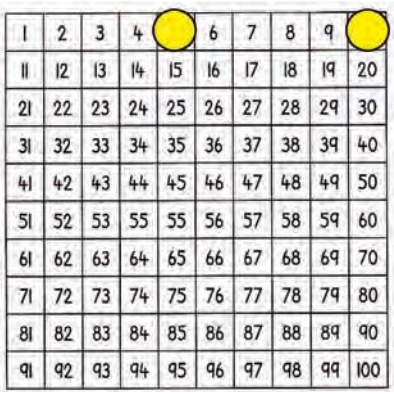
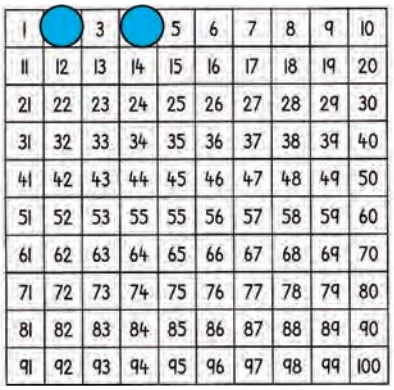


Tsema swihlayelo eka phepha ra l.

Swi veke hi nhulu ya kahle.

Tilulamisele ku hlayela!

Tirhisa giridi ya wena ya tinomboro na swihlayelo swa wena (Xitsemiwa xa 2).

		
Hlayela no pfala vu-10.	Hlayela no pfala vu-5 ku suka eka 0 ku fika eka 100.	Hlayela no pfala vuv2.
Hlayela hi vu-10 ku suka eka 10 ku fika eka 100.	Hlayela hi vu-5 ku suka eka 5 ku fika eka 100.	Hlayela hi vu-2 ku suka eka 2 ku fika eka 100.
Tsala vu-10 ku suka eka 10 ku fika eka 100.	Tsala vu-5 ku suka eka 5 ku fika eka 80.	Tsala vu-2 ku suka eka 2 ku fika eka 100.

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



3b

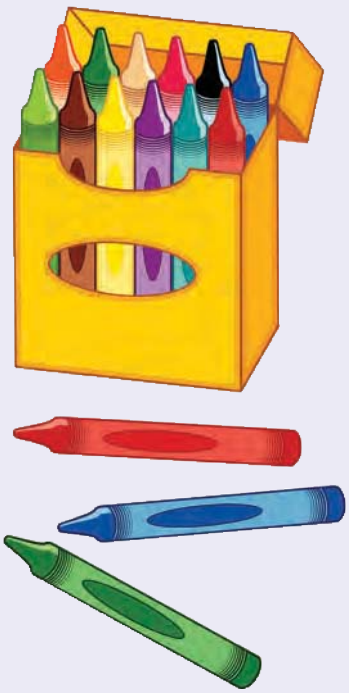
Siku: _____

Tinomboro eka giridi (ku yisa emahlweni)



Ku lava tipatironi

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	55	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Gwabisa vu-10 hinkwabyo.	Gwabisa vu-5 hinkwabyo.	Gwabisa vu-2 hinkwabyo.

Tsala 20 wa tinomboro to sungula leti nga na patironi ya vu-2 na vu-5.

_____

_____

_____

_____



1 2 3 4 5 6 7 8 9 10



Ku hlayela tipatironi

Tata tinomboro leti siyiweke.

0; 10; 20; _____; _____; 50; _____; _____; 80; _____; 100; _____;

_____; 130; _____; _____; 160; _____; _____; _____; 200

0; 5; 10; _____; _____; 25;_____; _____; 40; _____; 50; 55; _____;

_____; 70; _____; _____; 85; _____; _____; 100

0; 2; 4; 6; _____; _____; 12; _____; _____; 18; _____; 22; 24; _____;

_____; 30; _____; _____; 36; 38; _____; _____; _____; 46; _____;

0; _____; 8; _____; 16; 20; _____; 28; _____; 36; _____; _____;

_____; 52; _____; _____; 64; _____; 72; _____; 80

0; _____; 10; _____; 20; _____;30; _____; 40; _____; _____; 55;

60; _____; 70; 75; _____; 85; _____; _____; 100

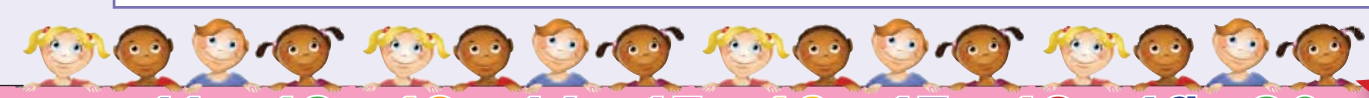
0; 3; _____; 9; _____; 15; 18; _____; 24; _____; _____; 33; _____; 39;

_____; 45; _____; _____; 54; 57; _____; 63; _____; _____; 72; 75

Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20



Siku: _____

Nkoka wa ndhawu

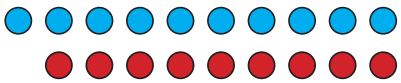


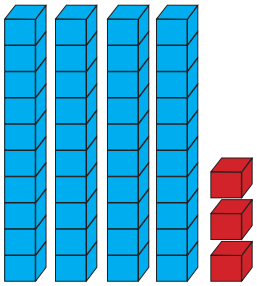
Ku kombisa tinomboro ta wena

Tsema makhadi ya tinomboro ku suka eka phepha ra Xitsemiwa xa 3.
Tirhisa makhadi ku aka tinomboro leti.

19 43 69 54 35 10 9



19  10 9 10 + 9 = 19

43  10 10 10 10 3 40 + 3 = 43

Sweswi endla hi wexe eka tinomboro leti u tirhisa Switsemiwa swa 1 na 3.

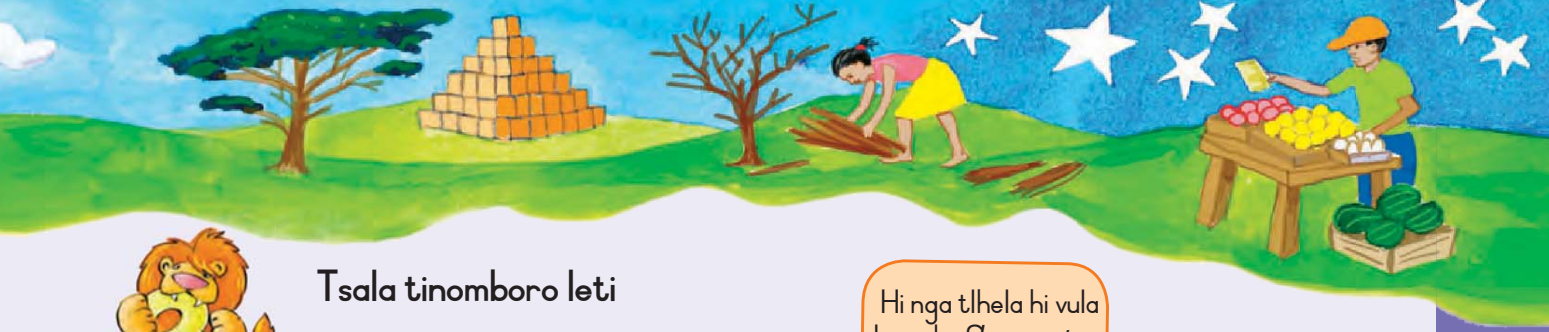
54

35

69



1 2 3 4 5 6 7 8 9 10



Tsala tinomboro leti

Hi ku endlele yo sungula.

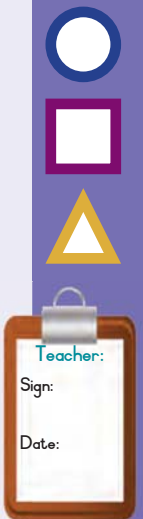
Hi nga tlhela hi vula leswaku 9 ya vun'we.

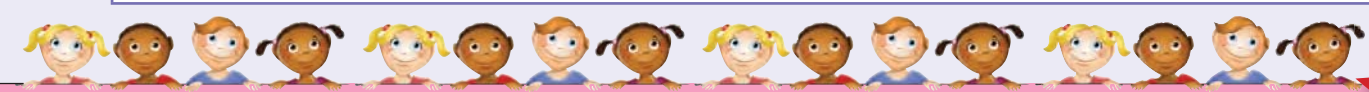
19	10 + 9	1 khume 9 ya vun'we	khumekaye
43			
69			
54			
35			
21			
73			
44			
32			
89			
17			
95			
56			
68			
67			



Tsala tinomboro ta ntlhanu to sungula etafuleni, hi nongonoko wo suka eka leyitsongo swinene ku ya eka leyikulu swinene.

_____; _____; _____; _____; _____





11 12 13 14 15 16 17 18 19 20



Siku: _____

Nhlanganiso na nsuso



Xitolo xa Lebo

Nimixo Lebo u na 19 wa maphakiti ya maapula.
Hi nkarhi wa lanci u na 13 wa maphakiti lama saleke.



a. Xana Lebo u xavisile maphakiti mangani? _____

b. Tsala nhlamulo ya wena tanihi xivulwa xa tinomboro.

_____ – _____ = _____

Tsala xivulwa xin'wana xa tinomboro ku kombisa nhlamulo leyi fanaka.
14 – 9 = 6 _____ _____ _____ _____ _____



Ntoloveto wo vuyelela tinomboro

Tsala tinhlamulo.

1+2=3



10 + 5 = ☐	11 + 6 = ☐	14 – 9 = ☐	14 – 8 = ☐
11 + 5 = ☐	17 + 2 = ☐	19 – 7 = ☐	14 – 5 = ☐
12 + 6 = ☐	3 + 13 = ☐	16 – 5 = ☐	16 – 13 = ☐
17 + 2 = ☐	4 + 15 = ☐	15 – 10 = ☐	19 – 7 = ☐



Mindyangu ya tinomboro

5 | 9 | 14

Hi leswi swikombiso swa ndyangu wa nomboro leyi.

9 + 5 = 14	5 + 9 = 14
14 – 9 = 5	14 – 5 = 9



1 2 3 4 5 6 7 8 9 10



Xana u nga kuma mindyangu hinkwayo ya nomboro ya 14?

1 + 13 = 14	13 + 1 = 14	14 – 1 = 13	14 – 13 = 1
2 + 12 =			
3 + 11 =			
4 + 10 =			
5 + 9 =			
6 + 8 =			
7 + 7 =			



Ndzi ta endla leswi fanaka hi 12.

12

1 + 11 = 12			

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



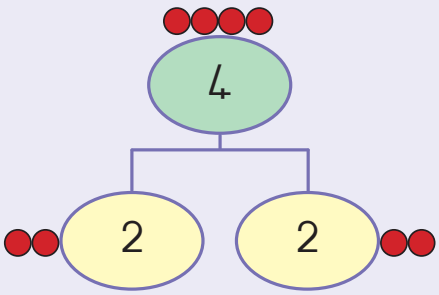
Siku:

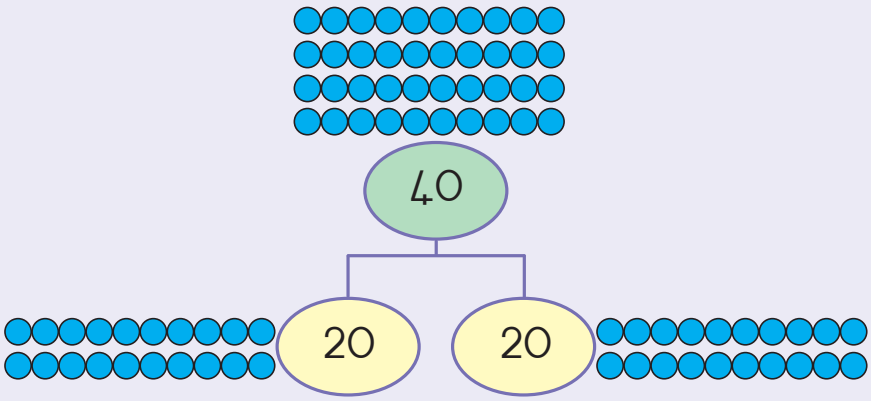
Ku andzisa kambirhi na tihafu

Xana wa tsundzuka?

2 i hafu ya 4 | 20 i hafu ya 40 | 4 i 2 yi andzisiwe kambirhi | 40 i 20 yi andzisiwe kambirhi

Hi nga kombisa leswi eka xifaniso...

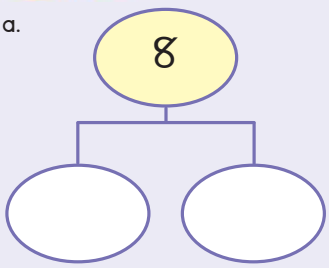




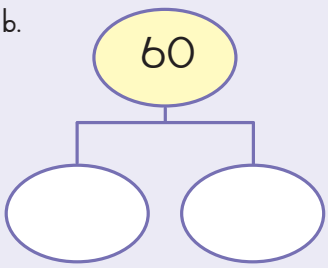


Kuma mitsengo ya ku andzisa kambirhi kumbe tihafu

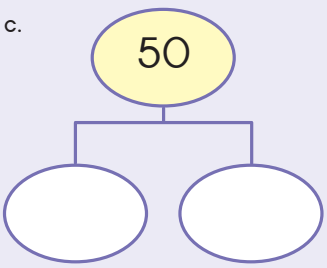
a.



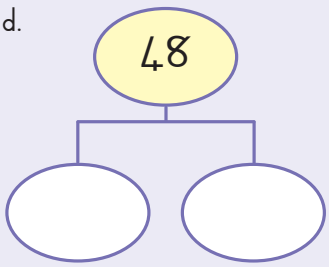
b.



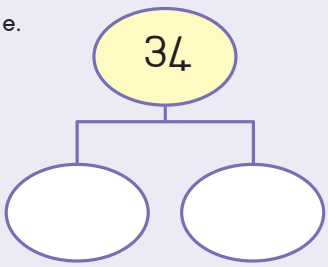
c.



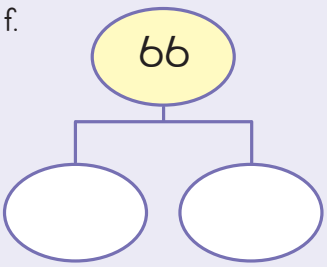
d.



e.



f.





Ntlhontlho

Kuma hafu yin'we ya 3.

Kombisa tanihi nomboro kumbe vito ra nomboro. Xifaniso xi nga ku pfuna.



1 2 3 4 5 6 7 8 9 10



Andzisa nomboro kambirhi u tirhisa ndzhati wa mitsengo. U nyikiwe xikombiso xo sungula.

a. Andzisa 4 kambirhi

4 + 4 = 8



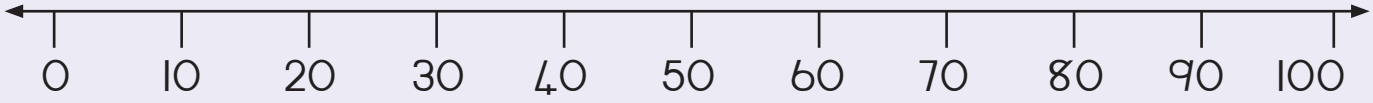
b. Andzisa 5 kambirhi

__ + __ = __



c. Andzisa 20 kambirhi

__ + __ = __



d. Andzisa 40 kambirhi

__ + __ = __





Hetisa leswi landzelaka

a. Andzisa 1 kambirhi	2
b. Andzisa 6 kambirhi	
c. Andzisa 10 kambirhi	
d. Andzisa 30 kambirhi	
e. Andzisa 50 kambirhi	



Hetisa leswi landzelaka

a. Hafula 6	3
b. Hafula 8	
c. Hafula 14	
d. Hafula 60	
e. Hafula 70	





11 12 13 14 15 16 17 18 19 20

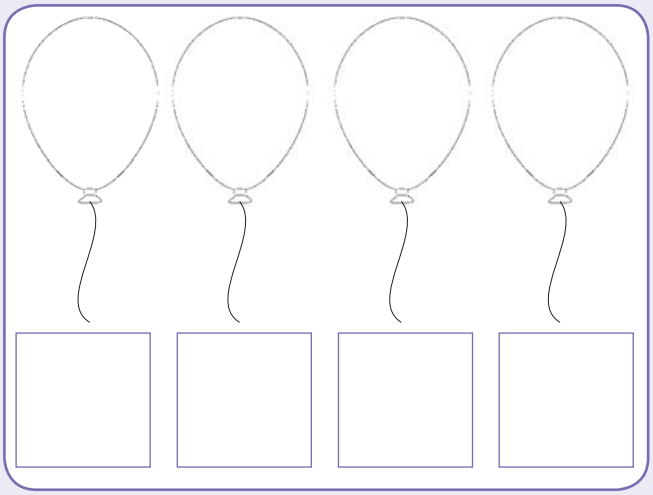


Siku: _____

Swiphemu

Khalara kotara ya tibaluni hi muhlovo wo tshwuka kasi leti saleke hinkwato hi muhlovo wa wasi.

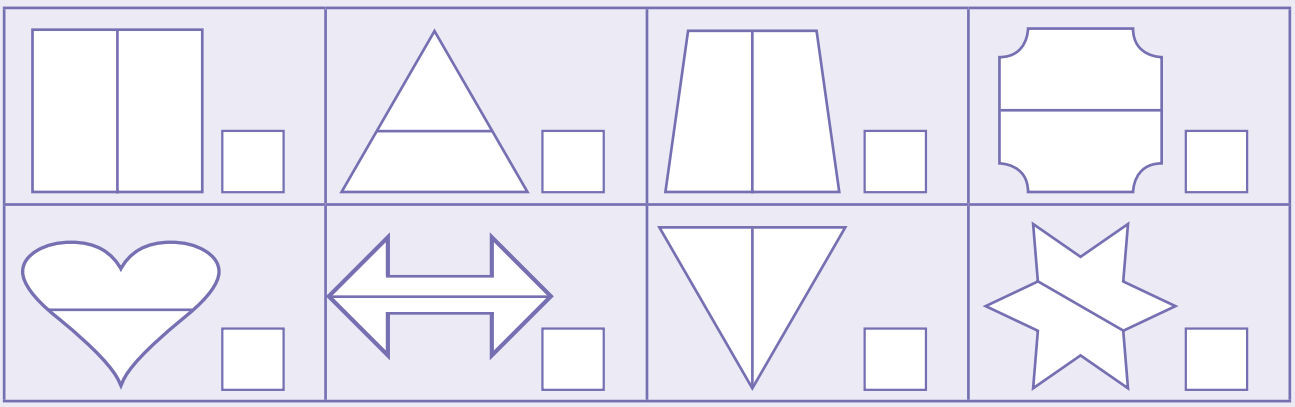
Khalara hafu yin'we ya bokisi rin'wana na rin'wana hi muhlovo wo tshwuka.





Languta xifaniso. Gwabisa swivumbeko leswi kombisaka tihafu.

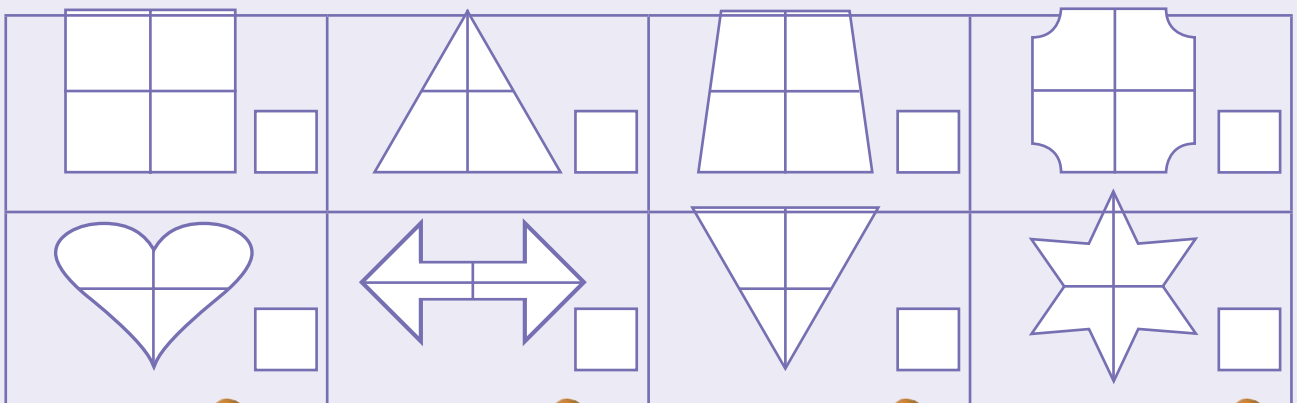
Khalara hafu yin'we ya xivumbeko xin'wana na xin'wana lexi nga avanyisiwa eka tihafu.

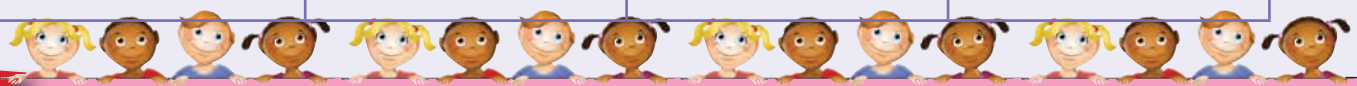




Languta xifaniso. Gwabisa swivumbeko leswi kombisaka tikotara.

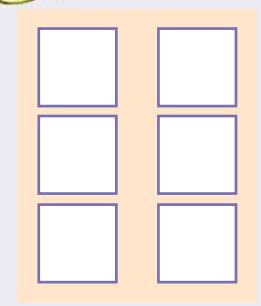
Khalara kotara yin'we ya xivumbeko xin'wana na xin'wana lexi nga avanyisiwa eka tikotara.

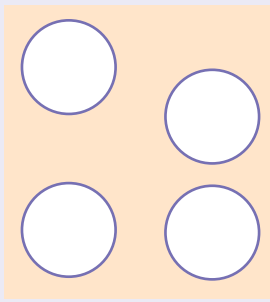


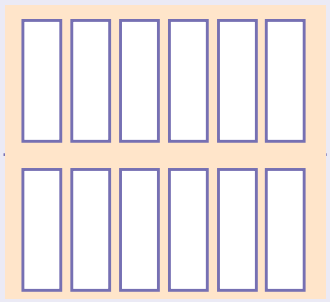




Khalara hafu ya swivumbeko. Xana hafu ya nhlayo ya swivumbeko i yini?

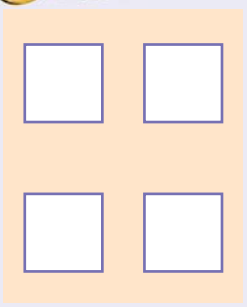


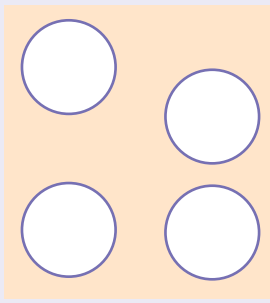


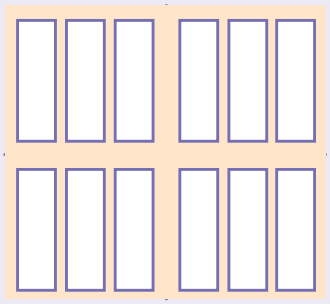




Khalara kotara ya swivumbeko. Xana kotara ya nhlayo ya swivumbeko i yini?









Tsala tanihi mfungho wa xiphemu

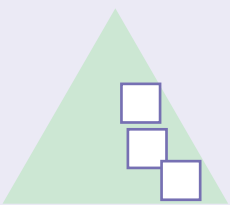
tihafu 

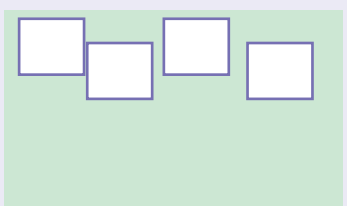
tikotara 



Dirowa swivumbeko swin'wana ku kota ku ringanisa hafu yin'wana na yin'wana.

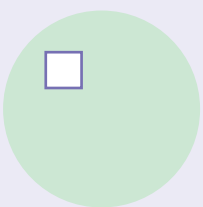


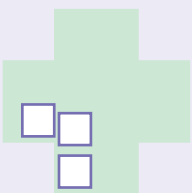


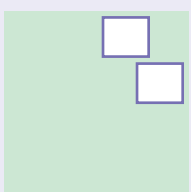




Dirowa swivumbeko swin'wana ku kota ku ringanisa kotara yin'wana na yin'wana.













Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20



Siku: _____

Ku hlawula mali



Exitokofeleni

Manana Lubisi u hlayela no hlawula mali yo huma eka swirho swa ntlawa wa vona.





Pimanyisa ntsengo hinkwawo.	R_____
Hlayela mali.	R_____

Fananisa mikumbetelo na mitsengo.



Ku hlayisa mali



Gugu u hlayisa mali yo kota ku xava tintanghu leti durhaka R89.
Ku fika sweswi u na hafu ya ntsengo.
Xana u lava mali muni yin'wana?
Tsala xivulwa xa tinomboro ku kombisa nhlamulo ya wena.

_____ _____ _____



Ebangi

Maria u hlawulela timali ta phepha hi tinhulu ta 10.
U na timali ta phepha leti saleke.
Tsala mitsengo ya xifaniso xin'wana
na xin'wana.



	Ntsengo
 	R_____
 	R_____
 	R_____



Ntlhontlho

Rendzo ro ya entangeni wa swiharhi

Vanhu lavakulu na vana va ya entangeni
wa swiharhi. Va xava mathikithi ya R90.

Xana vana i vangani? _____

Xana lavakulu i vangani? _____

Xana ku na nhlamulo yin'wana?

Vanhu lavakulu _____ Vana _____



Teacher:
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Date:





Siku: _____

Tipatironi



Tirhisa bodo leyi ya 200 wa tinomboro ku hlamula swivutiso.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200



Tirhisa bodo leyi ya 200 wa tinomboro ku hetisa tinomboro ta mune leti landzelaka eka tipatironi leti ta tinomboro. Kutani khalara patironi eka bodo ya tinomboro.

105, 110, 115, ___, ___, ___, ___	87, 90, 93, ___, ___, ___, ___
36, 40, 44, ___, ___, ___, ___	184, 186, 188, __, ___, ___, ___
70, 65, 60, ___, ___, ___, ___	138, 135, 132, ___, ___, ___, ___
180, 176, 172, ___, ___, ___, ___	14, 12, 10 __, ___, ___, ___





Tsala tinomboro leti landzelaka eka patironi yin'wana na yin'wana. Kutani khalara patironi.
Xana u lemuka yini hi tinomboro leti khalariweke hi muhlovo wun'we?

Ku hlayela hi **vuntlhanu**.

				5					10

Ku hlayela hi **vumbirhi**.

	2		4						

Ku hlayela hi **vunharhu**.

		3			6				

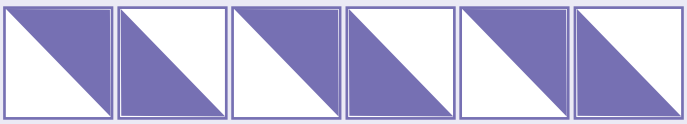
Ku hlayela hi **vukhume**.

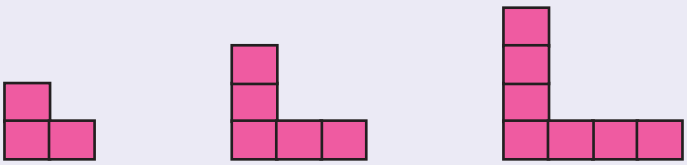
									10



Engetela patironi.







Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

10

Siku: _____

Tibolo, mabokisi na tisilindara







Bana xirhendzevutana eka mabokisi hi muhlovo wa wasi, tibolo hi wo tshwuka kasi tisilindara hi wa rihlaza.





Khalara nhlamulo leyi faneleke.



Bokisi

rheta | khunguluka



Silindara

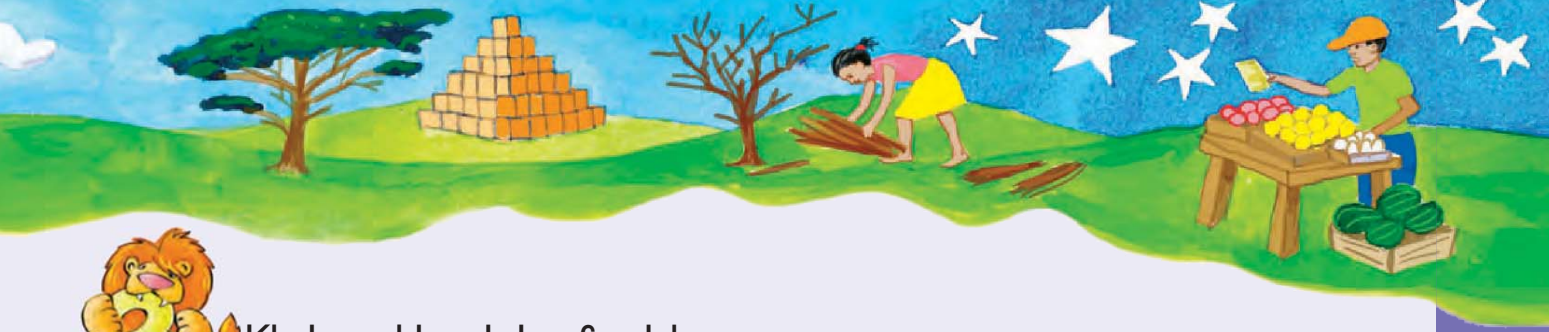
rheta | khunguluka



Bolo

rheta | khunguluka

1 2 3 4 5 6 7 8 9 10



Khalara nhlamulo leyi faneleke.



Makumu ya njhikwa

Makumu yo thwixama



Makumu ya njhikwa

Makumu yo thwixama



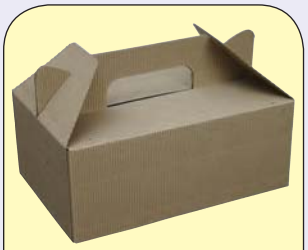
Makumu ya njhikwa

Makumu yo thwixama



Makumu ya njhikwa

Makumu yo thwixama



Makumu ya njhikwa

Makumu yo thwixama



Makumu ya njhikwa

Makumu yo thwixama



Makumu ya njhikwa

Makumu yo thwixama



Makumu ya njhikwa

Makumu yo thwixama



Vula loko bolo yi ri endzhaku ka, emahlweni ka, etlhelo ka kumbe ehenhla ka bokisi.



endzhaku ka | emahlweni ka

etlhelo ka | ehenhla ka



endzhaku ka | emahlweni ka

etlhelo ka | ehenhla ka



endzhaku ka | emahlweni ka

etlhelo ka | ehenhla ka



endzhaku ka | emahlweni ka

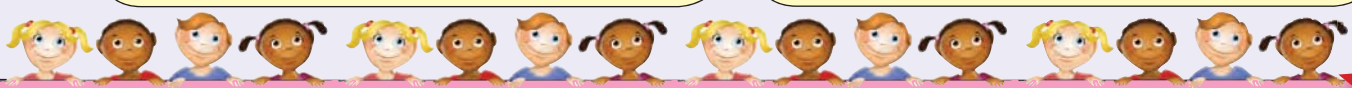
etlhelo ka | ehenhla ka



Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20



Siku: _____

Dirowa, boxa vito no fananisa 2-D



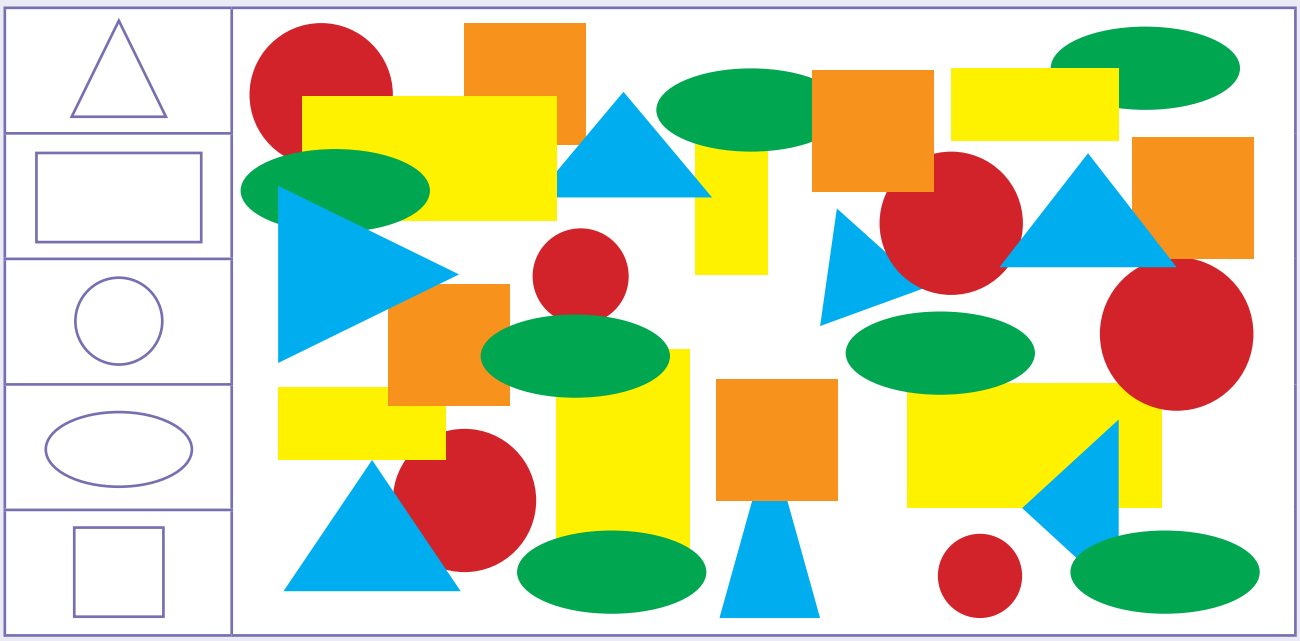
Dirowa swivumbeko

Tinhlanharhu		Xirhendzevutana	
Xikwere		Rekthengula	



Ku hlayela swivumbeko

Hlayela leswaku ku na swivumbeko swingani swo fana na leswi u nga swi kuma exifanisweni.



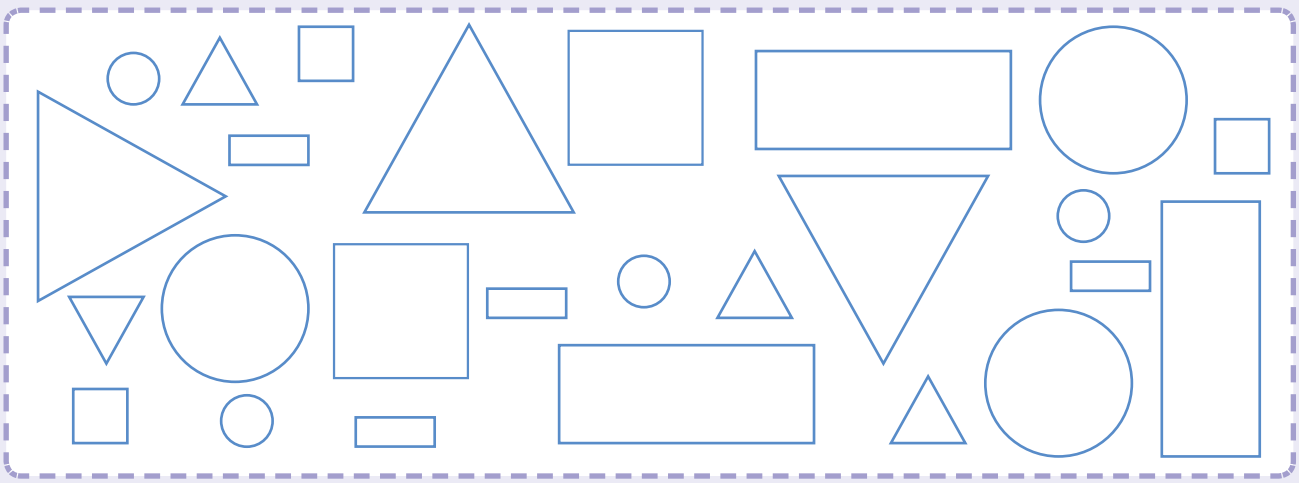
1 2 3 4 5 6 7 8 9 10



Khalara



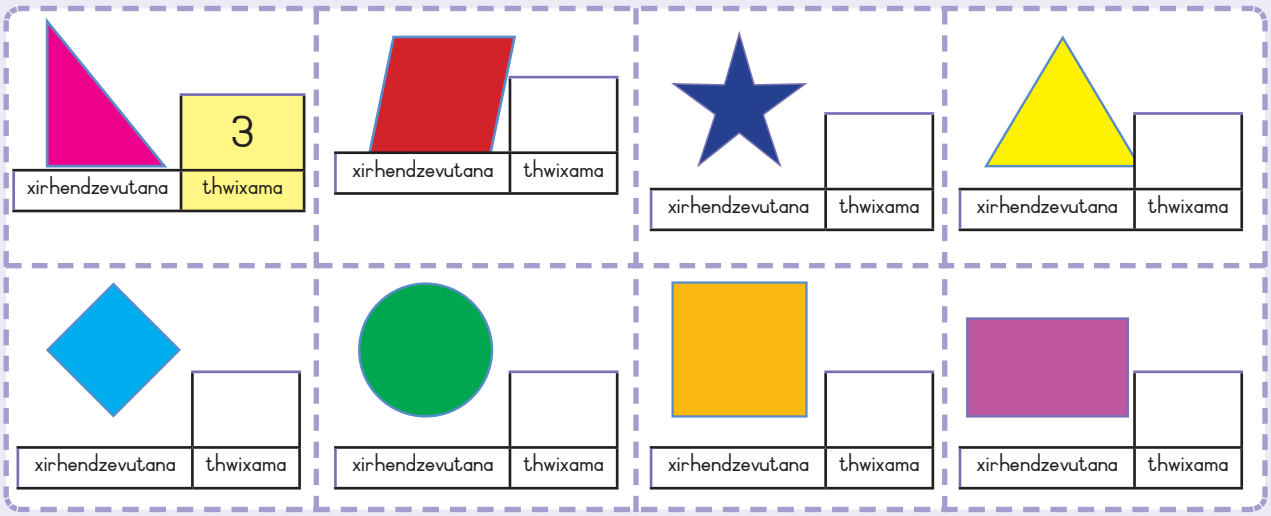
swirhendzevutana leswikulu hi muhlovo wo tshwuka, swirhendzevutana leswitsongo hi rihlaza; tinhlanharhu letikulu hi wasi, tinhlanharhu letitsongo hi xilamula; swikwere leswikulu hi xitshopana, swikwere leswitsongo hi xivunguvungu; tirekthengula letikulu hi buraweni, tirekthengula letitsongo hi pinki.





Xana ku na matlhelo mangani?

Xana i matlhelo mangani lama xivumbeko xin'wana na xin'wana xi nga na wona? Tsala nhlayo leyi nga eka xivumbeko. Hi ku endlele xin'we? Khalara nhlamulo leyi faneleke.



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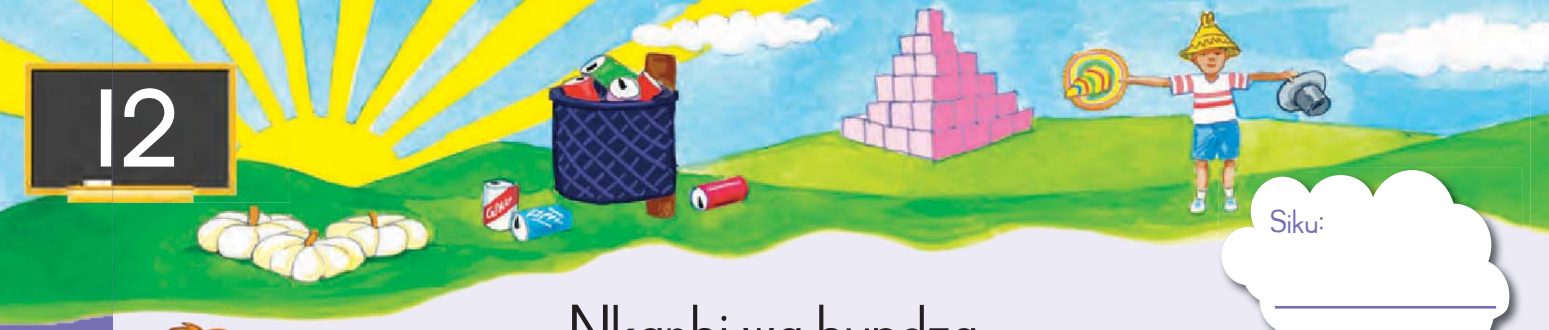


12

Siku: _____

Nkarhi wa hundza



Ku hlaya nkarhi

Xana i mikarhi yihi leyi tiwachi leti ti yi kombisaka?



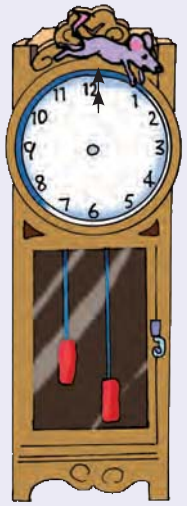



_____ ehenhla ka nhloko _____ ehenhla ka nhloko _____ ehenhla ka nhloko _____ ehenhla ka nhloko



Tlula u rhendzeleka na wachi

Pfuna kondlo ku hlayela timinete hi vuntlhanu.
Sungula eka 12. Famba u rhendzeleka ku fika emakumu.



Xana u hlayele timinete tingani? _____

Xana kun a timinete tingani eka awara? _____



Ku tsala nkarhi

Dirowa timhondzo ku kombisa mikarhi.



10 wa timinete ku bile awara ya 6



20 wa timinete ku bile awara ya 8



5 wa timinete ku bile awara ya 11



hafu ku bile awara ya 5



Tumi u ya exikolweni.





U suka ekaya.



U fika exikolweni.

Xana Tumi u teka nkarhi wo tanihi kwihi? _____

Siku ro baka

Maria u baka xinkwa.



Xinkwa xi nghena ovheneni.



Xinkwa xa huma.



Xinkwa xi vupfa hi _____ wa timinete.

Ntlhontlho

Ndzi kota ku vona patironi.



I nkarhi wa ku andzisa kambirhi

a. Cinca tiawara ku ya eka timinete.

Tiawara	1	2	4	8
Timinete	60			

b. Jabu u teka 45 wa timinete ku fika exikolweni. Tumi u teka nkarhi lowu kambirhi ku endla tano. Xana Tumi u teka tiawara tingani ku fika exikolweni? _____

Teacher:
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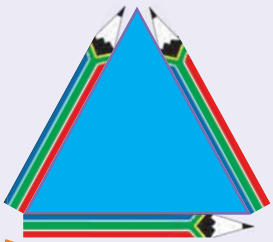
Date:

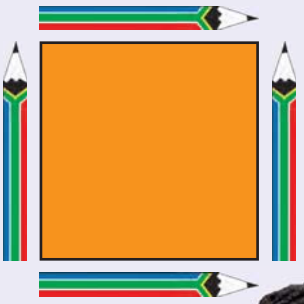
11 12 13 14 15 16 17 18 19 20

Siku: _____

Ku pima vulehi









Tlhelo rin'wana na rin'wana ra yinhlanharhu leyi ri lehile ku ringana 2 wa tipensele.

Tlhelo rin'wana na rin'wana ra xikwere lexi ri lehile ku ringana 4 wa tipensele.





A ndzi tivi leswaku rekthengula yi lehile no anama ku fika kwihi.

Xana rekthengula yi lehile ku ringana tipensele tingani? ☐

Xana rekthengula yi anamile ku ringana tipensele tingani? ☐

vulehi





vuanami

Xana u ti tirhise njhani tipensele ku hlayela?

1 2 3 4 5 6 7 8 9 10

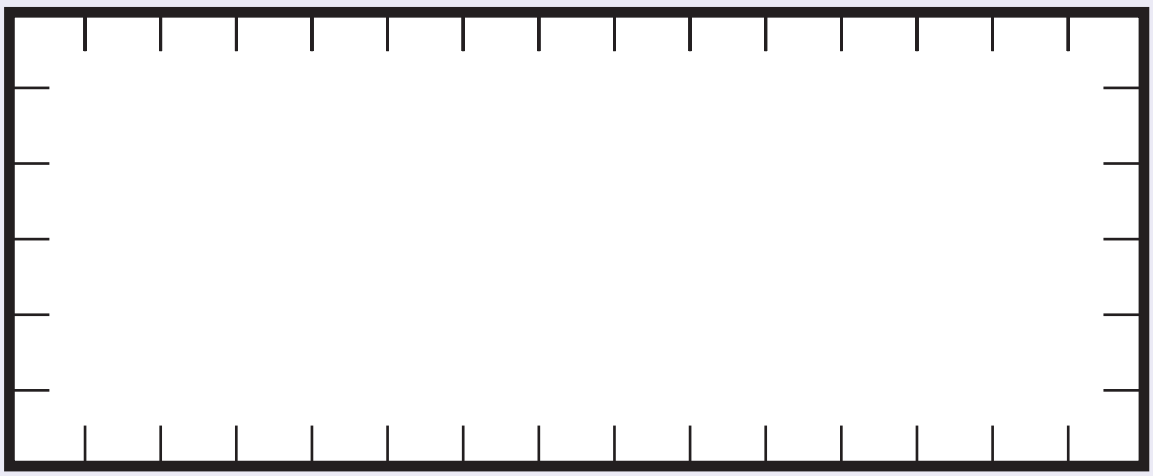


Vulehi byo hlamarisa

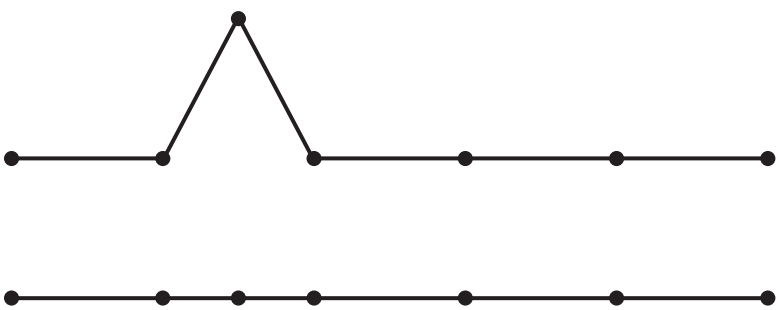
a. Xana i mitila yo tshwuka yingani leyi u faneleke ku yi kuma ku kota ku ringana na ntila wa ntima?



b. Xana i mitila yo tshwuka yingani leyi u faneleke ku yi kuma ku kota ku rhendzeleka na rekthengula?



c. Xana hi yihi yi nga lehanyana, ndlela ya le henhla kumbe ya le hansi, kumbe ta ringana?



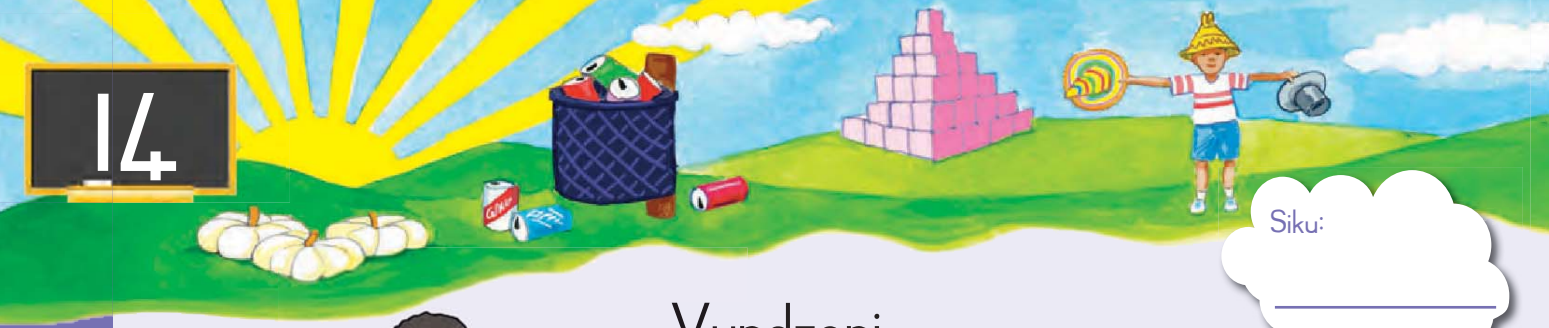
Nhlamulo _____

Hikwalaho ka yini? _____

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



14

Siku: _____

Vundzeni





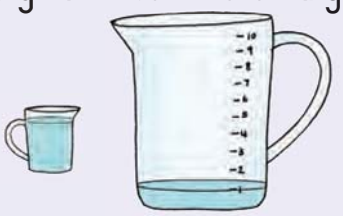
Se ndzi cherile malepula ya mune endzeni ka khapu.

Xana ku laveka tikhapu tin'wana tingani ku kota ku tata xibye xo chela? _____



Xana ku na tikhapu ta mati tingani exibyeni xo chela? Xana ku laveka tikhapu tin'wana tingani ku kota ku tata xibye xo chela?

a.



Endzeni ka xibye: 1 Ku laveka: 9

b.



Endzeni ka xibye: _____ Ku laveka: _____

c.



Endzeni ka xibye: _____ Ku laveka: _____

d.



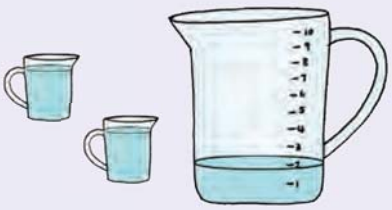
Endzeni ka xibye: _____ Ku laveka: _____

e.



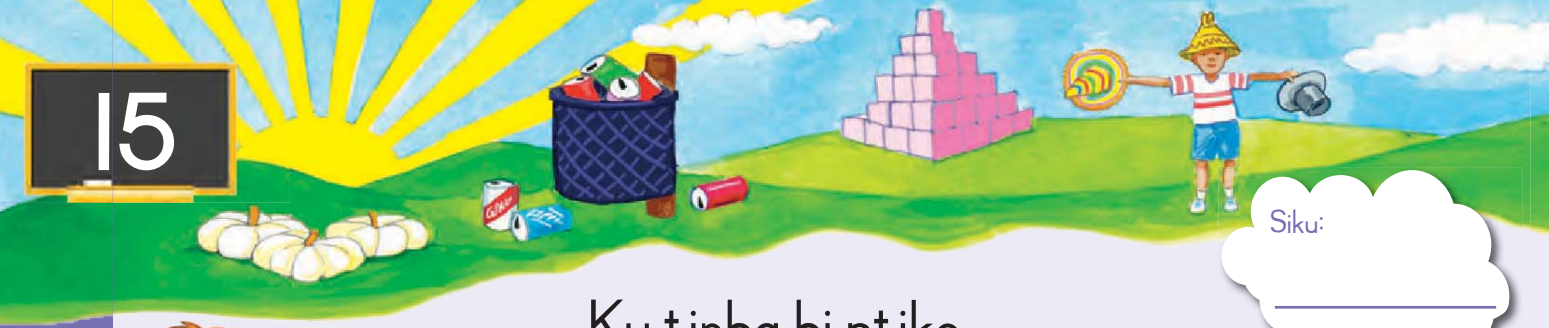
Endzeni ka xibye: _____ Ku laveka: _____

f.



Endzeni ka xibye: _____ Ku laveka: _____

1 2 3 4 5 6 7 8 9 10

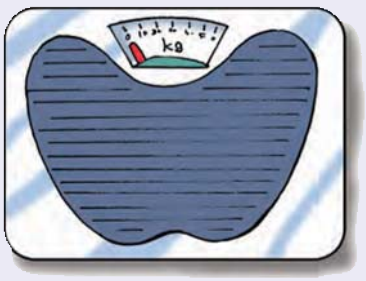


Siku: _____

Ku tirha hi ntiko

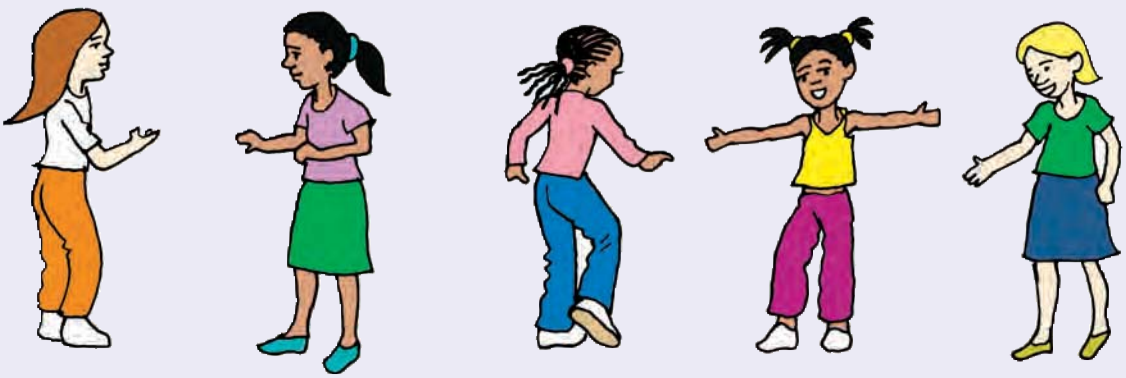


A hi pimeni ntiko!



Ku kota ku kuma leswaku hi tika kumbe hi vevuka ku fika kwihi, hi tirhisa xikalo.

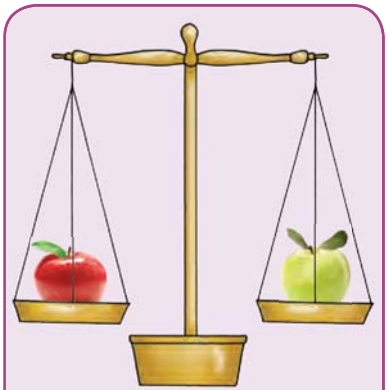
Hi pima ntiko hi tikilogiramu. Hi tirhisa nkomiso wa: kg.
I mani loyi a nga na ntiko lowukulu?



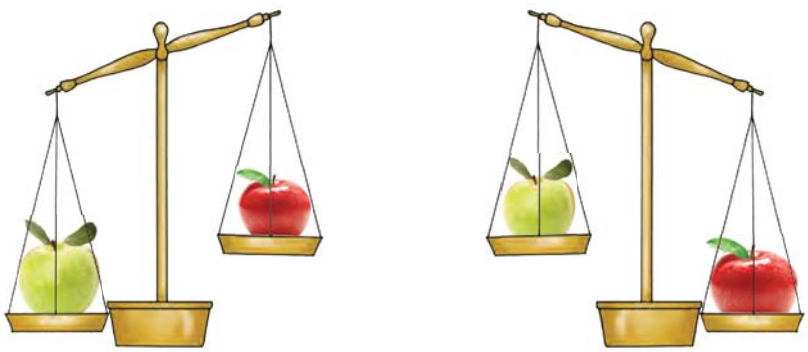
41 kg | 38 kg | 41 kg | 42 kg | 39 kg



Hi tirhisa xikalu xa balansi ku pima ntiko.



Eka xikalu lexi maapula hinkwawo ya tika ku ringana.



Hlamula xivutiso hi ku tsala a kumbe b.

Hi le ka xikalu xihi laha apula ra rihlaza ri tikaka ku tlula apula ro tshwuka? ☐

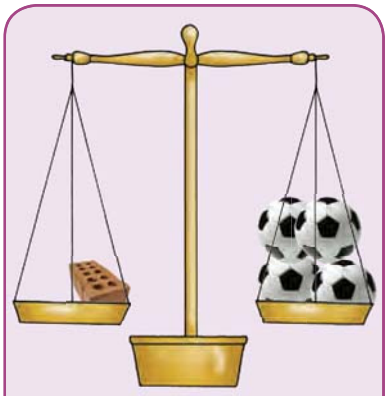
Hi le ka xikalu xihi laha apula ra rihlaza ri vevukaka ku tlula apula ro tshwuka? ☐





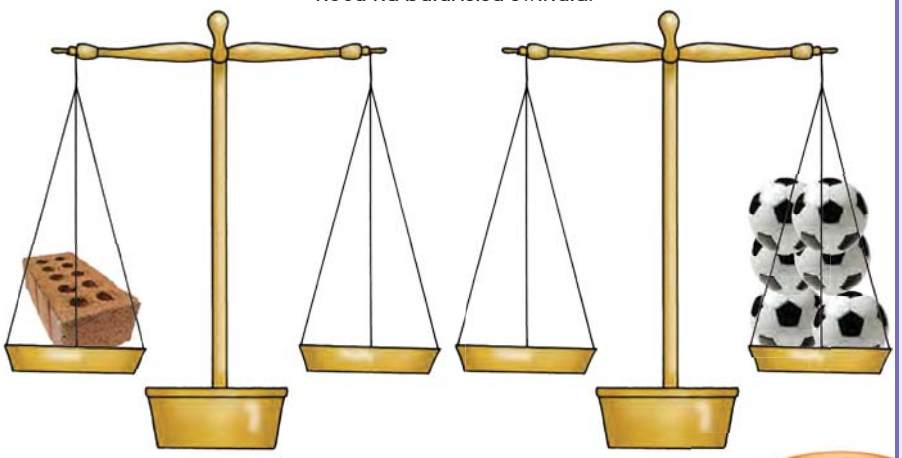
Ringanisa swikalu.

Hi ku endlele xo sungula.



Switina swimbirhi swi na mpimo lowu ringanaka na wa tibolo ta mune.

Dirowa leswaku i switina swingani kumbe i tibolo tingani leti lavekaka ku kota ku balansisa swikalu.





Loko phasele rin'we ri tika 3 kg, xana ___ wa maphasela ya ta va na ntiko muni?

a. 2 _____

b. 3 _____

c. Xana ndzi nga swi kota ku pima 4 wa maphasele hi nkarhi wun'we exikalwini xa khichi? _____

Hikwalaho ka yini swi koteka kumbe swi nga koteki? _____

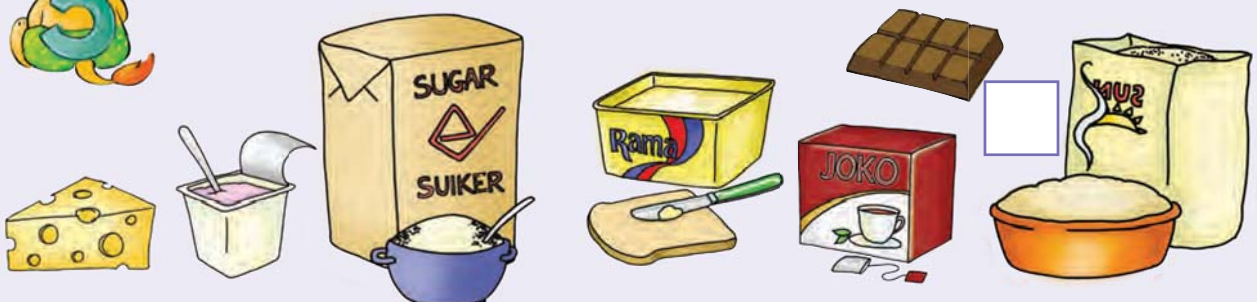
_____

_____





Gwabisa swibye swo chela leswi khomaka 1 kg, 500g, 250g, 200g.



Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20

16

Siku: _____

Ku lawula switiviwa



Tintanghu etlilasini



Hlaya xitori.

Thabo: Yoo, mudyondzisi! Jack i xihontlovila! U ambala tintanghu ta sayizi ya 6!

Manana Khoza: Swi kahle! Ina, Thabo, leyo i yikulu eka n'wana wa malembe ya kaye hi vukhale! Xana u na ntanghu ya sayizi yihi Thabo? Xana hi tihi tisayizi leti ambariwaka hi tlilasi hinkwayo? A hi endleni mbalango!

Vadyondzi va huwelela tisayizi ta vona hi un'we un'we.

Manana Khoza mi tsala tisayizi exitsalelweni.

Manana Khoza: Hlayelani, kutani u tsala ntsengo wa sayizi yin'wana na yin'wana etafuleni.

2	2	3	1	2	3	1	4	3	2	3
2	3	2	6	2	2	3	3	3	4	3
4	2	2	3	3	5	3	2	2	2	1
1	1	2	4	2	3	2	3	4	2	4
4	3	2	2	3	1	2	2	1	4	3

Tatisa tafula leri nga laha hansi.

Tisayizi ta tintanghu etlilasini					
Sayizi ya 1	Sayizi ya 2	Sayizi ya 3	Sayizi ya 4	Sayizi ya 5	Sayizi ya 6

1 2 3 4 5 6 7 8 9 10



Sweswi dirowa girafu ya swifaniso  = mudyondzi un'we

					
Sayizi ya 1	Sayizi ya 2	Sayizi ya 3	Sayizi ya 4	Sayizi ya 5	Sayizi ya 6

Sweswi hlamula swivutiso leswi.

a. Vadyondzi vo tala va ambala tintanghu ta sayizi ya _____.

b. Nhlayo leyitsongo swinene yi ambala sayizi ya _____.

c. _____ va hoxile xandla eka mbalango lowu.

Wena ke?

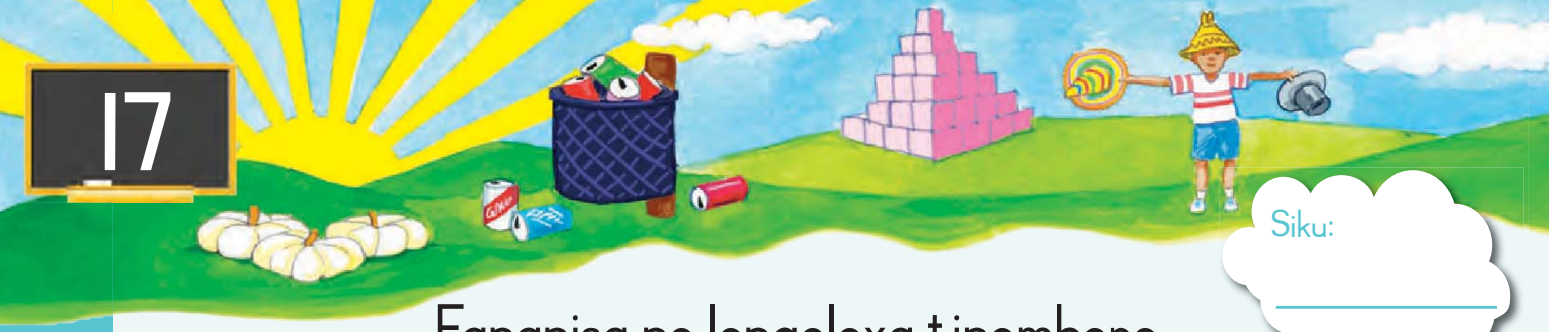
Kumisisa leswaku wena na vanghana va wena mi ambala tisayizi tihi!

- Tirhani hi ntlawa wa 6 ku fika eka 8.
- Hlengeletani switiviwa swa n'wina.
- Tsalani nhlayo ya tisayizi ta tintanghu etafuleni.
- Fananisani tinhlamulo na mitlawa yin'wana.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

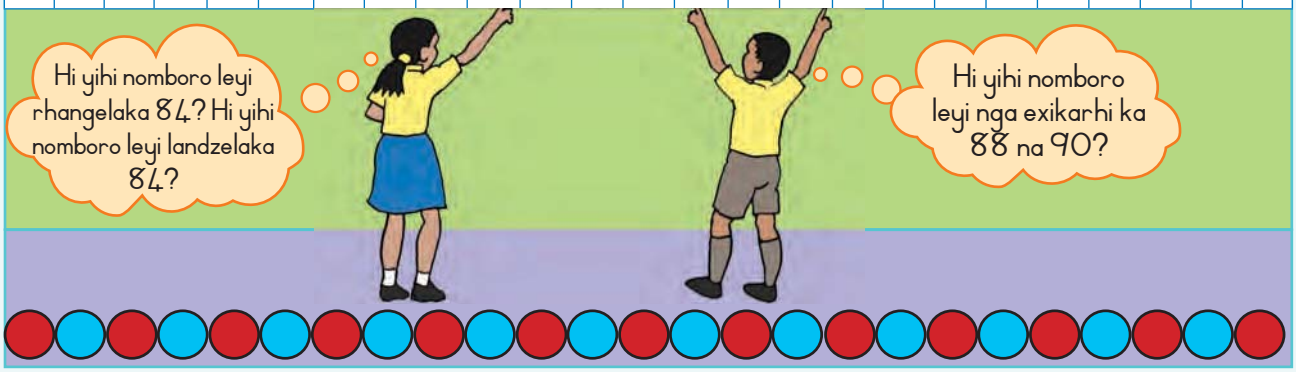


17

Siku: _____

Fananisa no longoloxa tinomboro

75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99





Tata tinomboro leti siyiweke.

51									
						67			
71									
									100

Tirhisa bodo ya tinomboro ku hlamula swivutiso.

- Hi yihi nomboro leyi rhangelaka 68? _____
- Hi yihi nomboro leyi landzelaka 68? _____
- Tsala tinomboro ta ntlhanu leti nga letitsongo eka 71. _____, _____, _____, _____, _____
- Tsala tinomboro ta ntlhanu leti nga letikulu eka 71. _____, _____, _____, _____, _____
- Hi tihi tinomboro leti kumekaka exikarhi ka 79 na 84? _____
- Tsala tinomboro ku suka eka leyitsongo swinene ku ya eka leyikulu swinene. 73, 52, 50, 59, 61

  _____
- Tsala tinomboro ku suka eka leyikulu swinene ku ya eka leyitsongo swinene. 74, 96, 99, 91, 38

  _____





Hetisa tafula. Sungula hi nomboro leyi nyikiweke.

	Yin'wana yin'we	ehansi hi yin'we	Tin'wana ta khume	ehansi hi khume
25				
39				
74				
56				
40				



Bana xirhendzevutana eka nomboro leyikulu swinene.

78	87	17

36	63	33

Bana xirhendzevutana eka nomboro leyitsongo swinene.

99	19	9

14	41	40



Loko < yi vula i yitsongo eka na > yi vula i yikulu eka, hetisa:

64 | > | 32 23 | > | 18

57 | | 98 89 | | 57



Lava 5 wa tinomboro eka nyuziphepha leti nga exikarhi ka 50 na 99 kutani u ti damarheta laha.





11 12 13 14 15 16 17 18 19 20



18

Siku: _____

Nkoka wa ndhawu ku fika eka 99



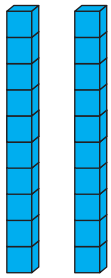
Ku kombisa tinomboro hi ku tirhisa michumu

Hi nga kombisa tinomboro hi tibuloko ta nkoka wa ndhawu.

Buloko leyitsongo yi yimela I. I yuniti.

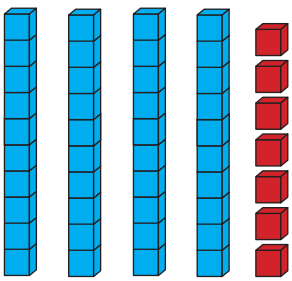
Nhonga ya 10 wa tibuloko letitsongo yi yimela 10.

I 10.

Vukhume	Vun'we
	

U nga kombisa nomboro hi ku tirhisa vukhume na vun'we.

Leswi hi nga kombisisaka xiswona 47.



Vukhume	Vun'we
4	7

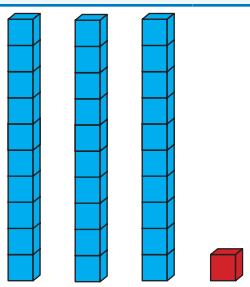
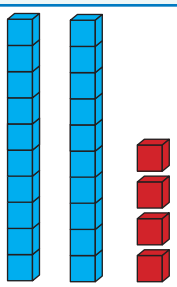
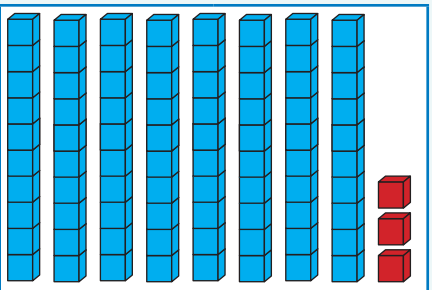
Makumemune nkombo

47



Ku tsala tinomboro hi tidijiti na hi marito

a. Ehansi ka xifaniso, tsala leswaku ku na vukhume byingani na leswaku ku na vun'we byingani. Kutani tsala nomboro hi tidijiti na hi marito.

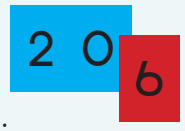
					
Vukhume	Vun'we	Vukhume	Vun'we	Vukhume	Vun'we
3	I				
31 Makumenharhu n'we		_____ _____		_____ _____	



1 2 3 4 5 6 7 8 9 10



b. Hi nga tlhela hi tirhisa makhadi ya tinomboro ku swi kombisa.

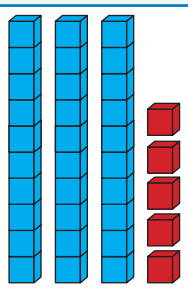


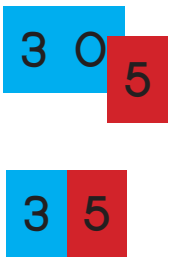


Nhlayo	Xana i vukhume byingani?	Ku na vun'we byinganii?	Tsala nomboro hi marito
26	2	6	Makumembirhi ntsevu
46			
99			



Xana nomboro i yini?

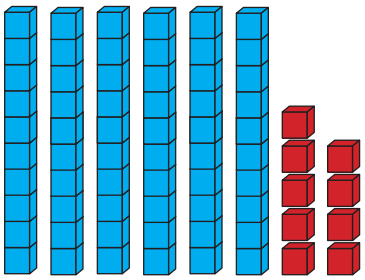


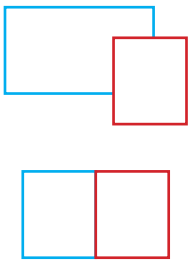


Vukhume	Vun'we
3	5

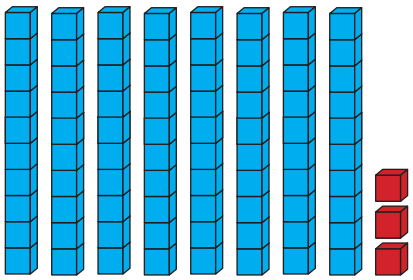
Makumenharhu ntlhanu

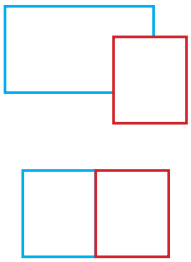
35





Vukhume	Vun'we





Vukhume	Vun'we





11 12 13 14 15 16 17 18 19 20



19

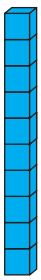
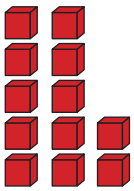
Siku: _____

Ku veka vukhume kun'we loko hi hlanganisa eka 99

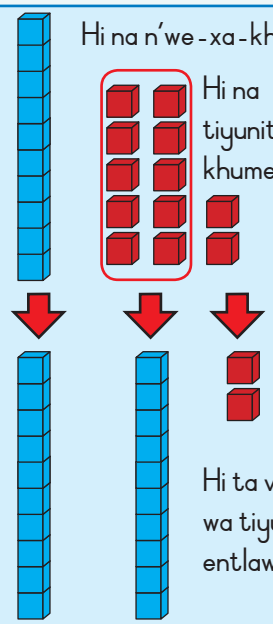


Hlaya

Hi leyi ndlela yin'wana ya ku kombisa 22.

Vukhume	Vun'we
	
1 khume	12 ya vun'we
1 0	1 0 2

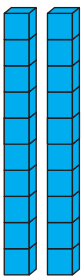
Hi na n'we-xa-khume



Hi na tiyuniti ta khumembirhi

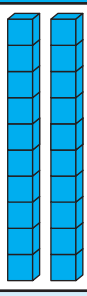
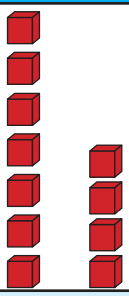
Hi ta veka 10 wa tiyuniti entlaweni.

Sweswi hi na ndlela yin'wana ya ku kombisa 22.

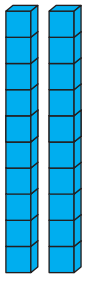
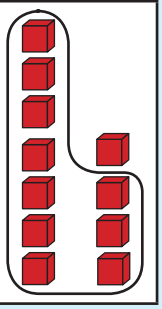
Vukhume	Vun'we
	
2 ya vukhume	2 ya vun'we
2 2	

A hi hlanganise 27 + 4. Tibuloko ta wasi hi leti ti sungulaka. Leti ta pinki hi leti hi hlanganisaka eka tona.

27 i 2 ya vukhume na 7 ya vun'we. Kutani hi hlanganisa 4 ya vun'we byin'wana.

Vukhume	Vun'we
	
2 ya vukhume	7 ya vukhume 14 ya vukhume
2 0	7 4

Hi na 2 ya vukhume na 11 ya vun'we

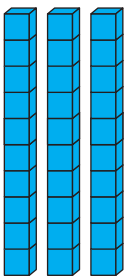
Vukhume	Vun'we
	

Hi nga kombisa 10 ya vun'we tanihi khume rin'we.

2 0 1 0 1

Sweswi hi na

3 vukhume + 1 vun'we

Vukhume	Vun'we
	

___ + ___ = ___

3 1

1 2 3 4 5 6 7 8 9 10



Tsala xivulwa xa tinomboro lexi kombisiwaka hi xifaniso

Vukhume	Vun'we

10 + 5 + 6

Vukhume	Vun'we

___ + ___ + ___

Vukhume	Vun'we

___ + ___ = ___

Hetisa xifaniso. Tsala swivulwa swa tinomboro leswi kombisiwaka hi xifaniso.

Vukhume	Vun'we

Vukhume	Vun'we

Vukhume	Vun'we

Vukhume	Vun'we

Vukhume	Vun'we

Vukhume	Vun'we

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



20a

Siku: _____

Hlanganisa eka ndzhati wa mitsengo



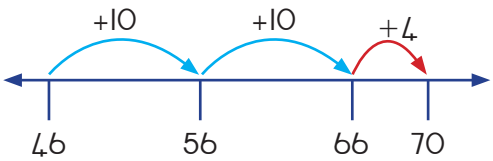
Tshama edesikeni ra wena!

Exikolweni xa hina mudyondzi un'wana na un'wana u na desika ra yena.
Ku na 46 wa vadyondzi eka Giredi ya 3A na 24 eka Giredi ya 3B.
Xana i madesika mangani ma lavekaka eka titlilasi letimbirhi?

Tirha na nakuloni

Languta hilaha vadyondzi lavanharhu va tirhisaka xiswona ndzhati wa mitsengo ku lulamisa xiphiqo.
Hetisa tinhlayo u tirhisa xikombiso.





Leswi ndzi endlaka swona hi leswi: Ndzi sungula ndzi hlanganisa 10.
Leswi swi ndzi fikisa eka 56. Kutani ndzi tlula 10 yin'wana ku fika eka 66.
Ro hetelela, ndzi tlula 4 ku jitamela eka 70.

= 46 + 10 + 10 + 4
= 56 + 10 + 4
= 66 + 4
= 70



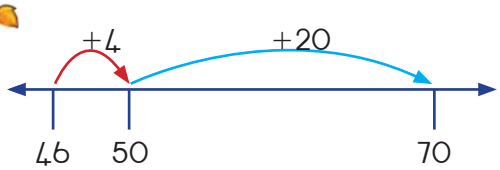
a. 32 + 25 = ☐



b. $52 + 26 =$ ☐

c. $46 + 25 =$ ☐





Ndzi fanele ku hlanganisa 24 eka 46.



Leswi ndzi endlaka swona hi leswi: Ro sungula ndzi ta tlula 4. Sweswo swi ta ndzi fikisa eka eka 50. Ndzi nga tlula 20 tin'wana, leswi ndzi fikisaka eka 70.

$= 40 + 10 + 20$

$= 50 + 20$

$= 70$

a. $36 + 41 =$ ☐

Teacher:
Sign:
Date:

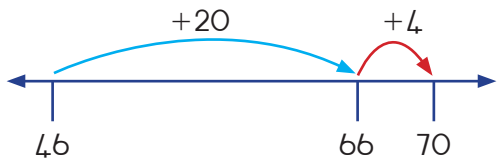
20b



Siku: _____

b. $57 + 19 = \square$





Ndzi fanele ku engetela 24 eka 46.



Leswi ndzi endlaka swona hi leswi: Ku suka eka 46, ndzi nga tlula 20. Sweswo swi ndzi fikisa eka 66. Sweswi ndzi fanele ku tlula 4 tin'wana kutani ndzi fika eka 70.

$= 46 + 20 + 4$

$= 66 + 4$

$= 70$

a. $63 + 24 = \square$

b. $65 + 29 = \square$

1 2 3 4 5 6 7 8 9 10



Xana i malofo mangani?

Mubaki u dilivhara 54 wa malofo ya buraweni  na 68 yo basa  .

Xana i malofo mangani hinkwawo ka wona?

a. Kuma ntsengo eka ndzhati wa mitsengo. Kombisa tinomboro na sayizi ya mitlulo.

Hlanganisa leswi landzelaka handle ko tirhisa ndzhati wa mitsengo.
Tirhisa maendlele man'wana na man'wana lawa u ya tsakelaka.

38 + 24 =

58 + 17 =

75 + 16 =

83 + 29 =

Teacher:
Sign:
Date:



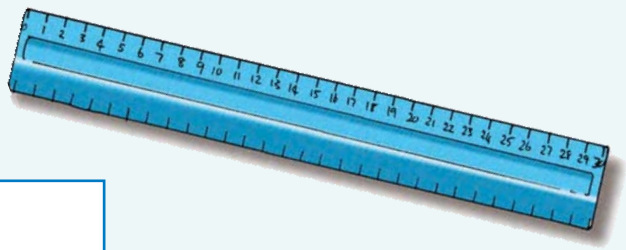
21a



Siku: _____

Susa eka ndzhati wa mitsengo

Mudyondzi un'we! Rhula yin'we!



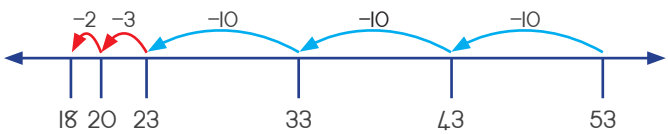
Tlilasi yi lava 53 wa tirhula. Ho va na 35 ntsena.

Xana hi lava tin'wana tingani? 53 – 35 = ☐

Tirha na nakuloni

Hlaya leswi vadyondzi vanharhu va tirhisisaka xiswona ndzhati wa mitsengo.





Hikwalaho, ndzi ta sungula eka 53 kutani ndzi susa.
Ndzi ta susa 10, 10, 10 – leswi fikisaka eka 23. Sweswi ndzi ta susa ntlhanu, ro sungula ndzi susa 3, kutani ndzi ta eka 20. Ndzi susa 2 yin'wana kutani ndzi ta eka 18. Hikwalaho hi lava 18 wa tirhula.

= 53 – 10 – 10 – 10 – 3 – 2

= 43 – 10 – 10 – 3 – 2

= 33 – 10 – 3 – 2

= 23 – 3 – 2

= 20 – 2

= 18

Ndzi fanele ku susa 35 eka 53. Nsuso swi vula ku susa.



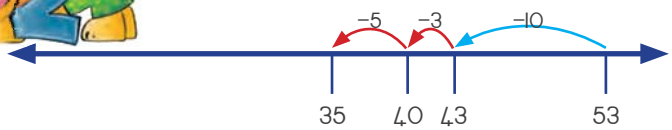
1 2 3 4 5 6 7 8 9 10

a. $68 - 24 =$ ☐

b. $74 - 38 =$ ☐

c. $92 - 87 =$ ☐





Nsuso swi vula ku kuma ku hambana exikarhi ka 53 na 35.



Ndzi ta sungula eka 53 ndzi hlayela ku ya ehansi eka 35 ku kuma ku hambana. Loko ndzi hlayela ndzi ya endzhaku hi 10, ndzi kuma 43. Ndzi nga hlayela ndzi ya endzhaku hi 3 yin'wana ku kuma 40. Kutani ndzi hlayela ndzi ya hansi hi 5 yin'wana ku kuma 35. 10 hi hlanganisa na 3 hi hlanganisa na ntlhanu i 18. Hikwalaho hi lava 18 wa tirhula tin'wana.

a. $38 - 14 =$ ☐

Teacher:
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Date:

21b



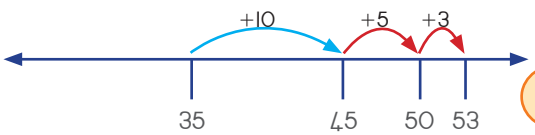
Siku: _____

b. 65 – 43 = ☐

c. 72 – 39 = ☐

d. 85 – 48 = ☐





Ndzi nga sungula eka 35 kutani ndzi vona mitlulo leyi ndzi yi tekaka ku hlayela ku fika eka 53.



Ndzi nga sungula eka 35 kutani ndzi vona mitlulo leyi swi ndzi tekelaka yona ku hlayela ko fika eka 53. Khume hi hlanganisa na ntlhanu hi hlanganisa na nharhu i 18. Hi lava 18 wa tirhula tin'wana.

a. 84 – 32 = ☐





b. $96 - 53 =$ ☐

c. $78 - 19 =$ ☐

d. $63 - 47 =$ ☐

Ku famba hi thekisi



Rendzo ro ya edorobeni hi thekisi ri teka 65 km.
Ku fika sweswi thekisi yi fambile 38 km.

Xana ya ha fanele ku famba mpfhuka
wo tanihi kwihi?

Tirhisa ndzhati wa mitsengo ku lulamisa xiphiqo lexi. U nga susa, hlayela u ya ehenhla kumbe ehansi.
Lebula mitlulo na tinomboro eka ndzhati wa mitsengo.

km

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Date:



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22

Siku: _____

I nkarhi wa nkhuvo



Pulani yo sungula!

Busi u kombela vanghana va yena swifaniso swa swakudya swa phati leswi va swi tsakelaka swinene. Leswi a swi hlengeleteke hi leswi. Pfuna ku swi hlawula.



Hlayela kutani u tsala leswaku i vanghana vangani va hlawulaka muxaka wa swakudya swo karhi.				
				
Nomboro				







Hetisa girafu ya swifaniso. Tirhisa tafula ra wena ku ku pfuna. Dirowa xikandza xin'we (☺) eka n'wana un'wana na un'wana loyi a hlawulaka rixaka ra swakudya kumbe swa ku nwa.

☺			
☺			
☺			
☺			
☺			
☺			
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☺			
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☺			
			

Teacher:
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Date:



11 12 13 14 15 16 17 18 19 20



3 wa 10 wa swijumba swi endla 3 0 $3 \times 10 =$ 3 0 kumbe $10 \times 3 =$ 3 0

5 wa 10 wa swijumba swi endla ____ × ____ = ____ kumbe ____ × ____ = ____

2 wa 10 wa swijumba swi endla ____ × ____ = ____ kumbe ____ × ____ = ____

5 wa tiphere ta mikondzo.
Xana ku na swikunwana swingani hinkwaswo?



$10 + 10 + 10 + 10 + 10 =$ 5 0 $5 \times 10 =$ ____ kumbe $10 \times 5 =$ ____

Sweswi endla leti.

4 wa tiphere ta mikondzo.

____ = ____ ____ × ____ = ____ kumbe ____ × ____ = ____

3 wa tiphere ta mikondzo

____ = ____ ____ × ____ = ____ kumbe ____ × ____ = ____

A hi hlayeleni

10, 20, 30, 40, 50, ____, ____, ____, ____, ____,

____, ____, ____, ____, ____, ____, ____, ____, ____, 200

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Date:

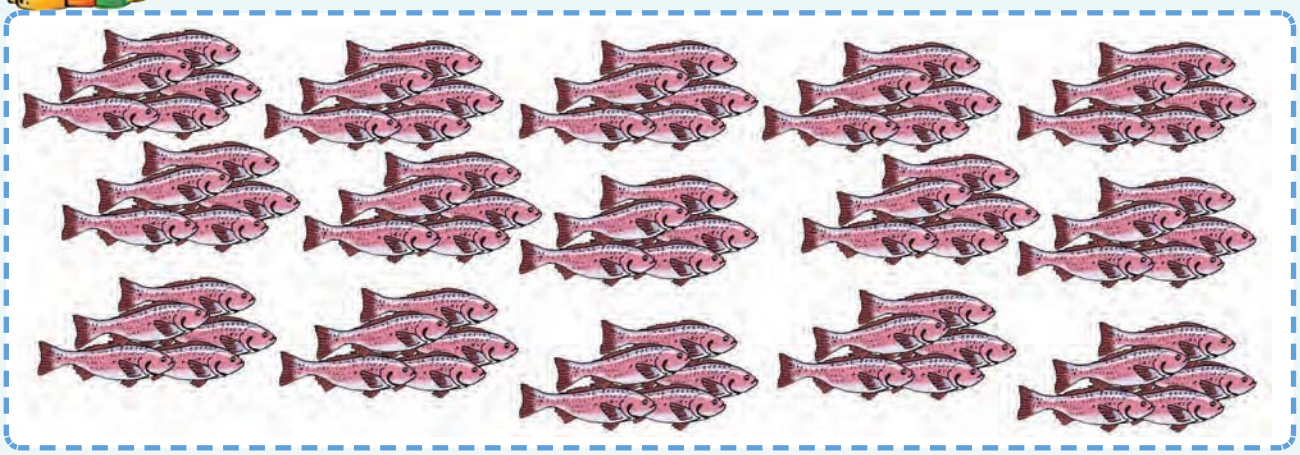


Siku: _____

Titolovete vu-5



Xana ku na tinhlampfi tingani? Pimanyisa ☐



Sweswi hlayela tinhlampfi. Kuma ntsengo. ☐



Hlayela hi vu-5

Kuma nhlayo hinkwayo ya mandza ya tinhlampfi. Tsala xivulwa xa tinomboro xa + na X. Hi ku endlele yo sungula.

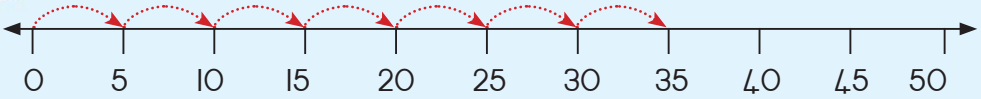
Tinhlampfi na mandza	Xana ku na mandza mangani hinkwawo ka wona?	
5 wa tinhlampfi, yin'wana na yin'wana yi tshikela 2 wa mandza	2 + 2 + 2 + 2 + 2 = 10	5 × 2 = 10
5 wa tinhlampfi, yin'wana na yin'wana yi tshikela 10 wa mandza		
5 wa tinhlampfi, yin'wana na yin'wana yi tshikela 4 wa mandza		
5 wa tinhlampfi, yin'wana na yin'wana yi tshikela 3 wa mandza		
5 wa tinhlampfi, yin'wana na yin'wana yi tshikela 6 wa mandza		
5 wa tinhlampfi, yin'wana na yin'wana yi tshikela 8 wa mandza		
5 wa tinhlampfi, yin'wana na yin'wana yi tshikela 5 wa mandza		



1 2 3 4 5 6 7 8 9 10

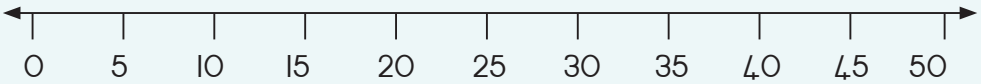


Hetisa mindzhati ya mitsengo



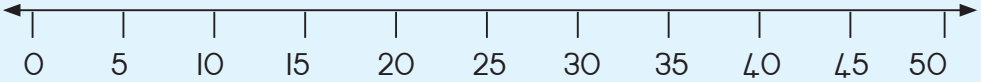
$5 + 5 + 5 + 5 + 5 + 5 + 5 =$ 35 kumbe 7 × 5 = 35

a.



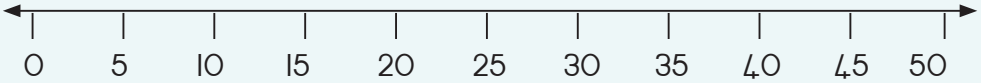
$5 + 5 + 5 + 5 =$ ☐ kumbe ☐ × ☐ = ☐

b.



$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 =$ ☐ kumbe ☐ × ☐ = ☐

c.



_ + _ + _ + _ + _ + _ + _ + _ + _ + _ = ☐ kumbe 10 × 5 = 50

Ku phasa tinhlampfi

Sipho u phasa tinhlampfi ta le xikarhi ka 40 na 50. U tihlayela hi vu-5 naswona u na 1 leyi saleke.
U ti hlayela hi vu-5 naswona u na 2 leti saleke. Xana Sipho u phase tinhlampfi tingani?

☐

☐

Teacher:
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11 12 13 14 15 16 17 18 19 20

25a

Siku: _____

Hlayela hi vu-2



Hlayela masokisi



a. Xana ku na tiphere tingani ta masokisi? _____

b. Xana ku na masokisi mangani? _____

c. Xana ku na masokisi lama saleke? _____

1 2 3 4 5 6 7 8 9 10



Ku hlayela tiphere ta masokisi

Tsala leswaku ku na tiphere tingani ta masokisi no vula loko ku ri na leti salaka.

Masokisi	Nhlayo ya tiphere	Nhlayo ya masokisi	Masokisi ya rin'werin'we lama saleke
			
			
			
			
			



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Date:



11 12 13 14 15 16 17 18 19 20



25b

Siku: _____

Hlayela hi vu-2 (ku ya emahlweni)



Ku vumba tiphere. Landzelela swikombiso

Tsala tinhlayo ndzingano ku suka eka 0 – 60.

a. Tsala tinhlayo ndzingano ku suka eka 1 – 40..

2, 4, 6,

_____

_____

b. Tsala tinhlayo fadzenga ku suka eka 1 – 40.

3, 5, 7,

_____

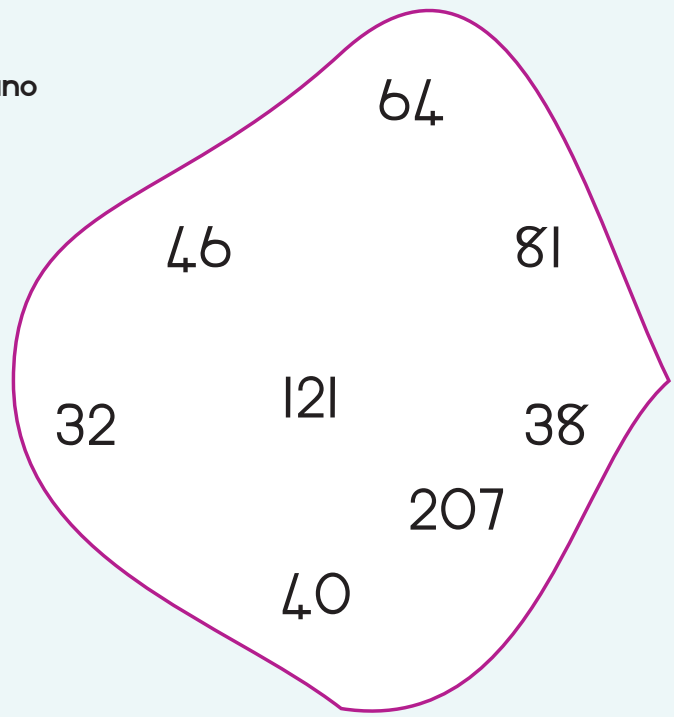
_____



Fadzenga na ndzingano

Dirowa xirhendzevutana eka tinhlayo ndzingano.

Dirowa xikwere eka tinhlayo fadzenga.





1 2 3 4 5 6 7 8 9 10



Ku suka eka tiphere ku ya eka masokisi

Xikombiso:

2 wa masokisi = 1 phere 

$2 \times 1 = 2$

20 wa masokisi = 10 wa tiphere

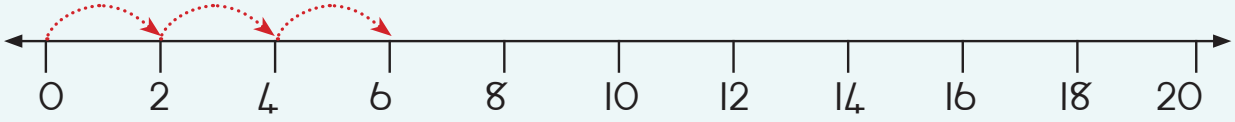
$2 \times 10 = 20$

Tsala leswaku i masokisi mangani.

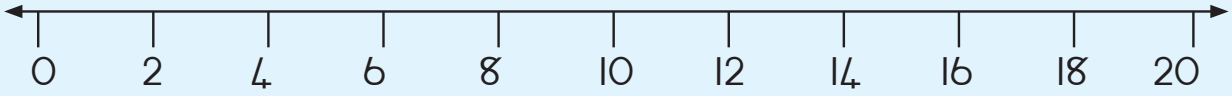
Ehleketa hi vu-2	Xivulwa xa tinomboro
1 phere = 2 wa masokisi	2 × 1 = 2
2 wa tiphere = _____ wa masokisi	2 × 2 =
4 wa tiphere = _____ wa masokisi	
8 wa tiphere = _____ wa masokisi	
9 wa tiphere = _____ wa masokisi	

Kombisa nhlayo eka ndzhati wa mitsengo kutani u hetisa.

2 + 2 + 2 = 6 kumbe 3 × 2 = 6



2 + 2 + 2 + 2 + 2 + 2 + 2 = ☐ kumbe ☐ × ☐ = ☐



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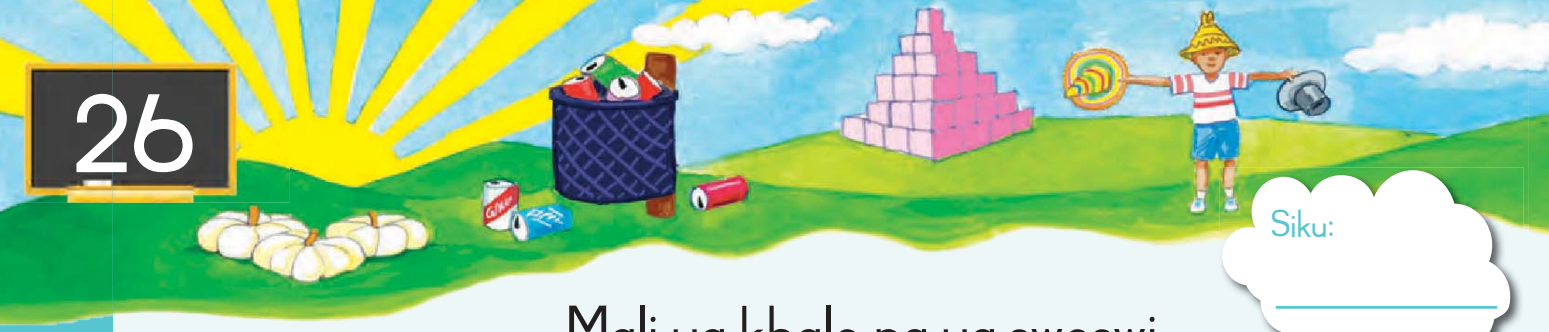


Siku: _____

Mali ya khale na ya sweswi



Xitori xa mali ya hina

Laha Afrika-Dzonga hi tirhisa tirhandi na tisente tanihi mali ya hina.
Hi sungule ku tirhisa tirhandi na tisente hi lembe ra 1961.

Eka masiku lawaya khoyini ya 1 sente a yi ri leyitsongo swinene, ivi ku ta 2 wa tisente kandzhaku ku ta 5 wa tisente.





1 2 3 4 5 6 7 8 9 10



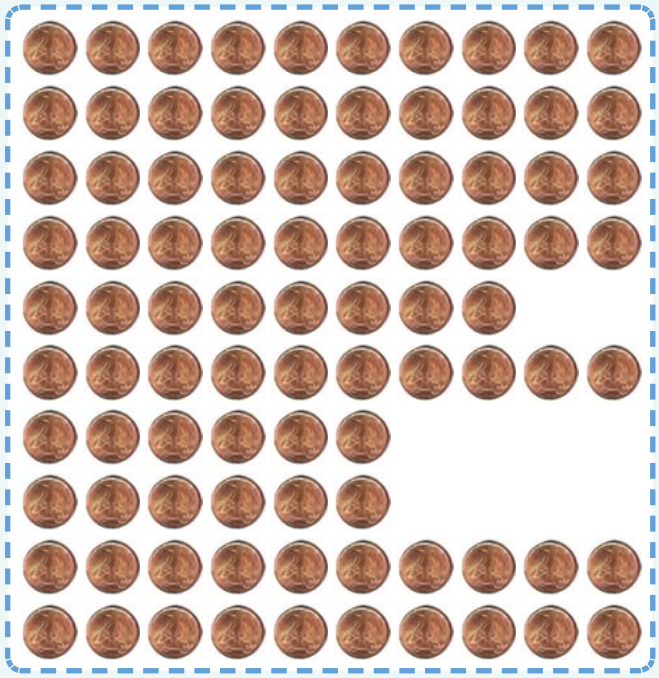


Hlayela tisente

Endla I rhandi. Hlayela tisente.
Xana ku na tisente tingani?

Xana ku laveka tin'wana tingani ku endla RI,OO?

Ti dirowe.





Xana i tisente tingani?

RI,OO =		c	R2,OO =		c
R3,OO =		c	RI,50 =		c



Xana mihandzu yi durha mali muni?

2  ya durha R4,OO.

2  ya durha R2,OO.

Xana u nga xava mabanana mangani hi R20,OO?

Eka R9,OO ku kumeka maapula mangani?

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Date:



11 12 13 14 15 16 17 18 19 20



Siku: _____

Hlayela hi vu-3



Mavhilwa hi vu-3



I thirayisekele yi na _____ wa mavhilwa.

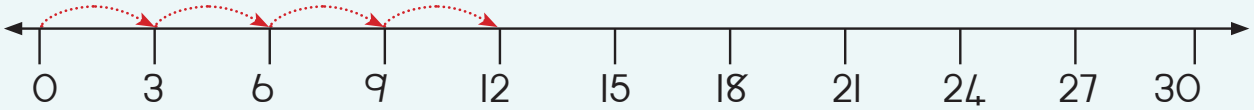


5 wa tithirayisekele ti na _____ wa mavhilwa.	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ _____
2 wa tithirayisekele ti na _____ wa mavhilwa.	$3 + 3 = 2 \times 3 =$ _____
4 wa tithirayisekele ti na _____ wa mavhilwa.	
6 wa tithirayisekele ti na _____ wa mavhilwa.	
9 wa tithirayisekele ti na _____ wa mavhilwa.	
8 wa tithirayisekele ti na _____ wa mavhilwa.	



Mindzhati ya mitsengo

Landzelela xikombiso.

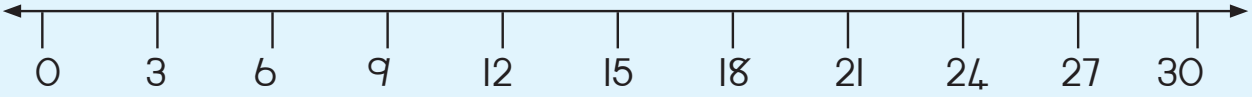


a. $3 + 3 + 3 + 3 =$ ☐ $= 4 \times 3 =$ ☐



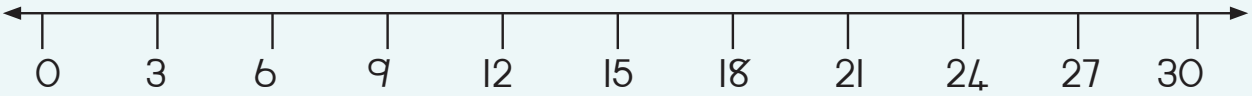


b.



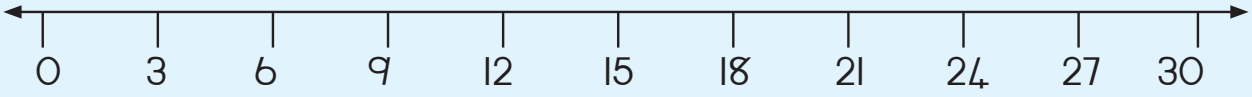
$3 + 3 + 3 + 3 + 3 = \square = \square \times \square = \square$

c.



$_____ = \square = 6 \times 3 = \square$

d.



$_____ = \square = 10 \times 3 = \square$



Swithuthuthu na tithirayisekele





Evhengeleni ra swikanyakanya Busi u hlayela mavhilwa ya tibayisikiri na tithirayisekele.

Ku na 14 wa mavhilwa hinkwawo ka wona.

Xana ku na tibayisikiri tingani? _____
Xana ku na tithirayisekele tingani? _____

Teacher:
Sign:
Date:





Hetisa tafula leri nga laha hansi. Tirhisa xikombiso ku ku letela.

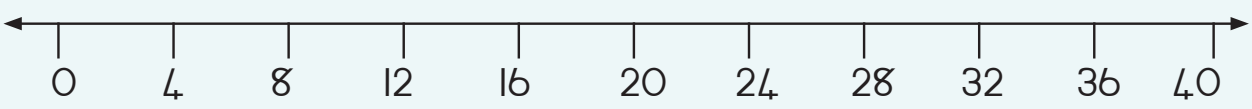
3 wa tihomu ti na _____ wa milenge.	$4 + 4 + 4 = 4 \times 3 =$ 12
5 wa tihomu ti na _____ wa milenge.	
4 wa tihomu ti na _____ wa milenge.	
7 wa tihomu ti na _____ wa milenge.	
8 wa tihomu ti na _____ wa milenge.	



Mindzhati ya mitsengo

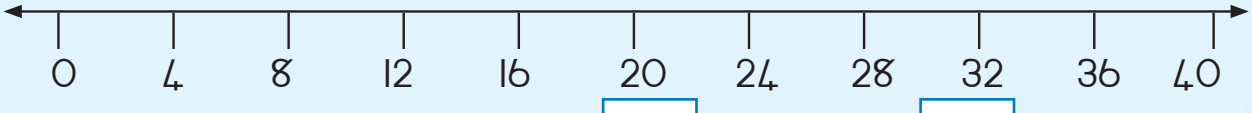
Kombisa nhlayo yo andzisa eka ndzhati wa mitsengo kutani u hetisa.

a.



_____ = ☐ = $5 \times 4 =$ ☐

b.



_____ = ☐ = $9 \times 4 =$ ☐

Teacher:
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Siku: _____

Tipatironi eka tinomboro



Tipatironi ta giridi

Xana swirhendzevutana eka giridi yin'wana ya 100 swi kombisa patironi yihi ya tinomboro?
Dirowa swirhendzevutana swin'wana ku hetisa patironi yin'wana na yin'wana.
Tsala vito ra patironi yin'wana na yin'wana.

a. Patironi: _____

				o					o
				o					o
				o					o
				o					o
				o					o
				o					o

b. Patironi: _____

	o		o		o		o		o
	o		o		o		o		o
	o		o		o		o		o
	o		o		o		o		o
	o		o		o		o		o
	o		o		o		o		o

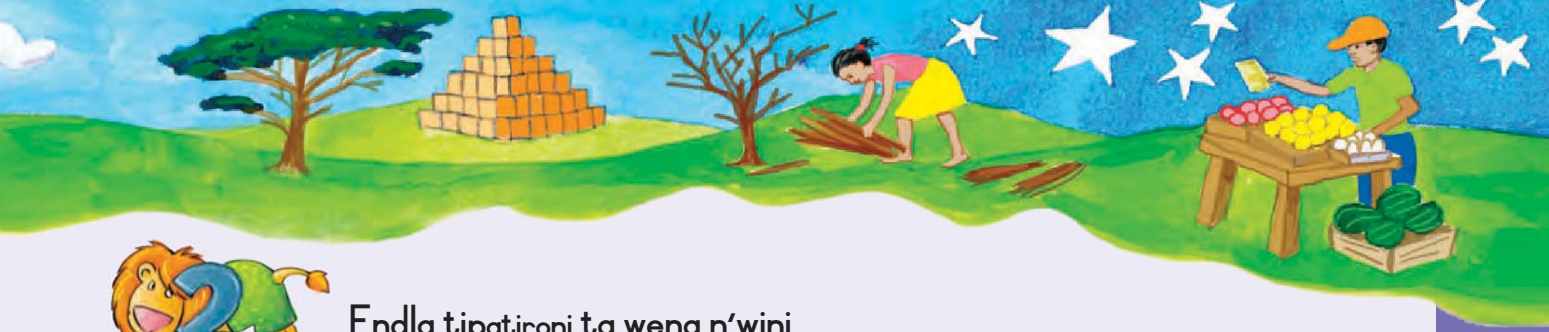
c. Patironi: _____

		o			o			o	
	o			o			o		
o			o			o			
		o			o				
	o			o					
o			o						

d. Patironi: _____

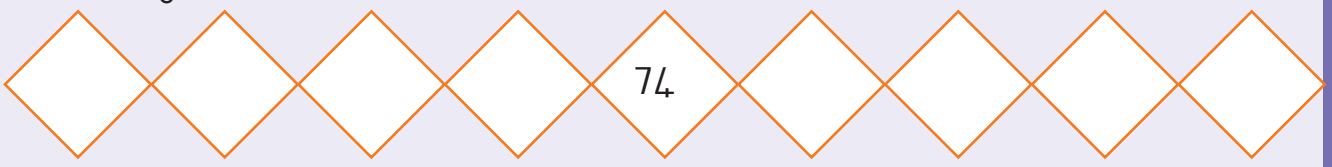
			o				o		
	o				o				o
			o				o		
	o				o				o



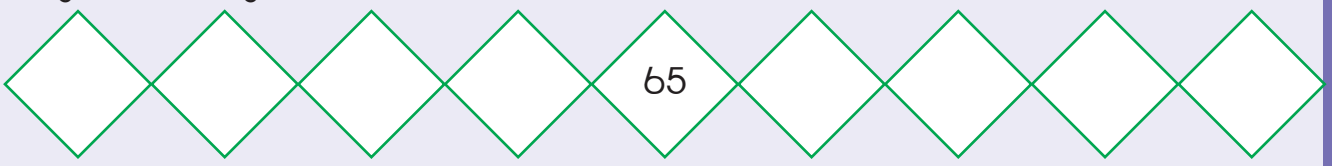


Endla tipatironi ta wena n'wini

a. Eka patironi leyi ya tinomboro, tinomboro hinkwato i ta ndzingano. Xana tinomboro letin'wana hi tihi? Ti nghenise.



b. Eka patironi leyi ya tinomboro, tinomboro hinkwato i ta fadzenga. Xana tinomboro letin'wana ti nga va tihi? Tinghenise.



Xana ti wela kwihi?





Patironi ya vu-3 na vu-4	Patironi ya vu-3 na vu-5	Patironi ya vu-4 na vu-5
xik. 48		

Elwandle

Thembi u hlengeleta tinkatla ta lwandle ta le xikarhi ka 60 na 70. U ti hlayela hi vu-3, kutani ku na 1 leyi saleke. U ti hlayela hi vu-5, kutani ku na 4 leti saleke. Xana Thembi u na tinkatla tingani?

_____

_____



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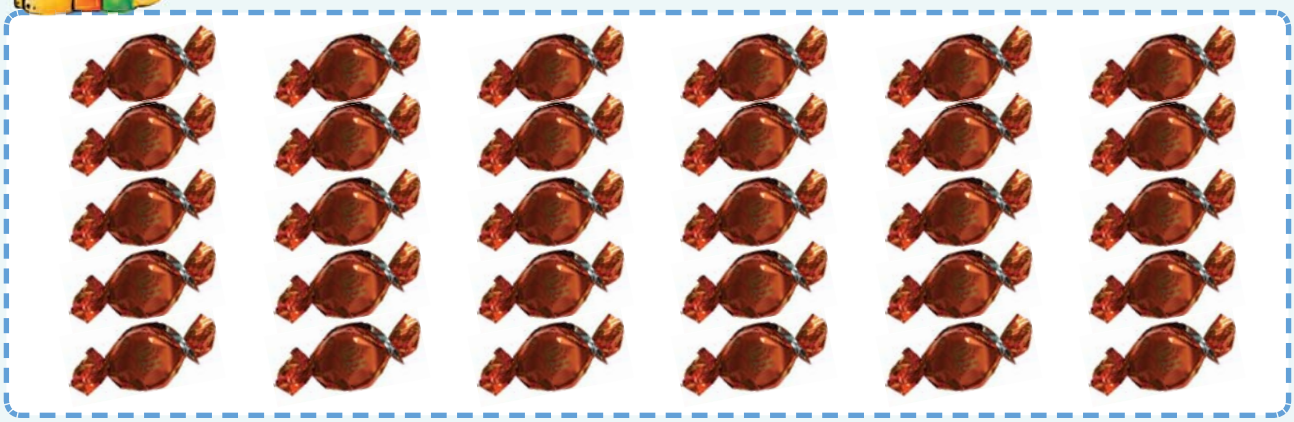
30a

Siku: _____

Ku avanyisa



Ava swiwitsi



a. Ava 30 wa swiwitsi exikarhi ka 2 wa vana.



Hi nga yi tsala tanihi

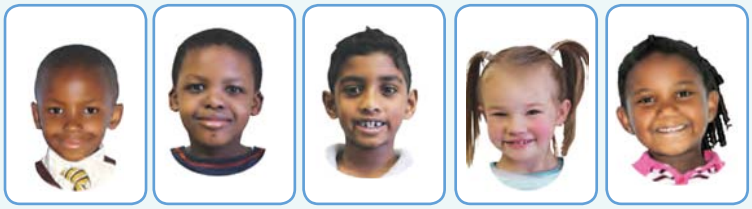
30 ÷ 2 = 15

b. Ava swiwitsi exikarhi ka 3 wa vana.



÷ =

c. Avanyisa swiwitsi exikarhi ka 5 wa vana.

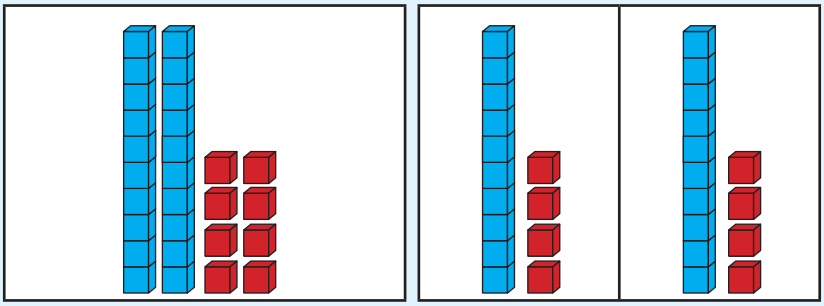


÷ =

1 2 3 4 5 6 7 8 9 10



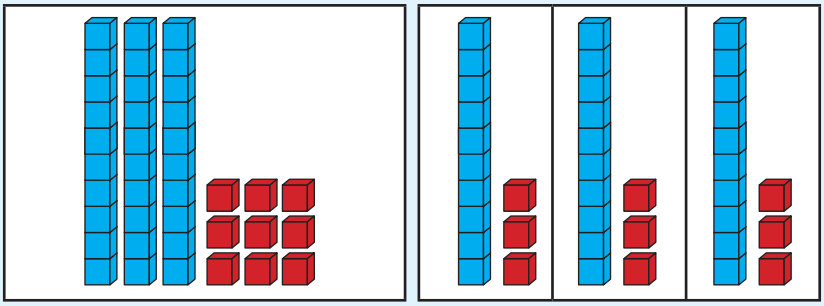
Hi nga tirhisa tibuloko ta tinomboro ku kota ku avanyisa.



2 8 ÷ 2 = 1 4

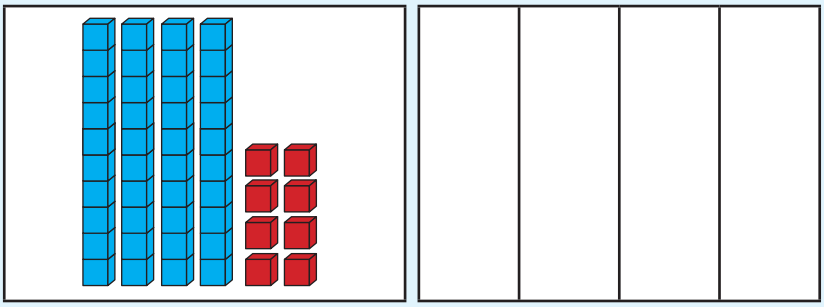
Sweswi endla leti.

a.



÷ 3 =

b.



÷ 4 =

Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20

30b

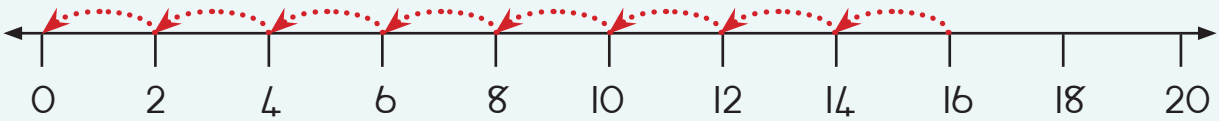


Siku: _____



Tirhisa mindzhati ya mitsengo ku tsala xivulwa xa tinomboro xa ku susa no avanyisa.

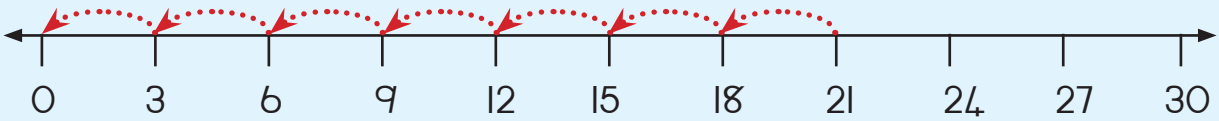
Xikombiso:



16 – 2 – 2 – 2 – 2 – 2 – 2 – 2 – 2 = 0

16 ÷ 2 = 8

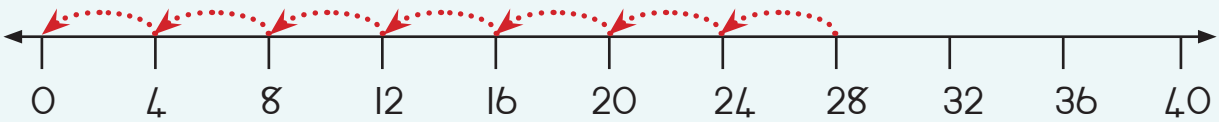
a.



21 – _____

☐ ÷ ☐ =

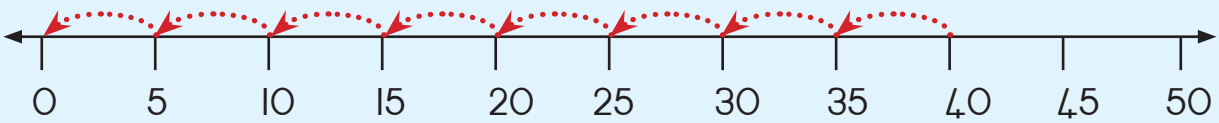
b.



28 – _____

☐ ÷ ☐ =

c.



___ – _____

☐ ÷ ☐ =







Dirowa ndzhati wa mitsengo u kuma nhlamulo.

a. 30 ÷ 5 =

b. 22 ÷ 2 =

c. 27 ÷ 3 =

d. 32 ÷ 4 =

e. 25 ÷ 5 =



Ntlhontlho

Kombisa tindlela hinkwato to avanyisa 24 wa swiwitsi hi ku ringana exikarhi ka mitlawa mimbirhi ya vana.

Tsala xivulwa xa tinomboro ku kombisa nhlamulo ya wena.



Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20



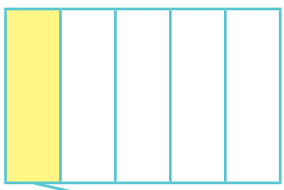
31

Siku: _____

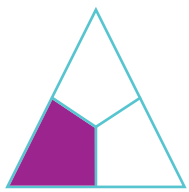
Swiphemu



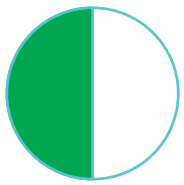
Dirowa mitila ku yelanisa xivumbeko na xiphemu.



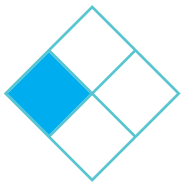
$\frac{1}{3}$ n'we-xa-nharhu



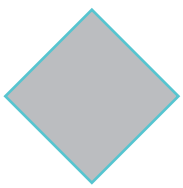
$\frac{1}{5}$ n'we-xa-ntlhanu



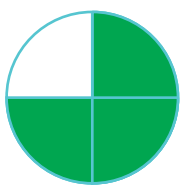
$\frac{1}{4}$ n'we-xa-mune



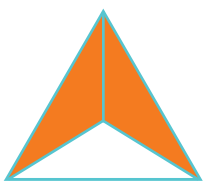
$\frac{1}{2}$ hafu yin'we



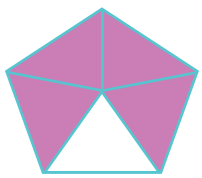
$\frac{3}{4}$ nharhu-xa-mune



$\frac{4}{5}$ mune-xa-ntlhanu

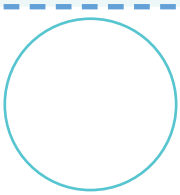


1 xiheri

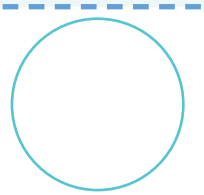


$\frac{2}{3}$ mbirhi-xa-nharhu

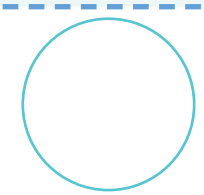
Khalara:



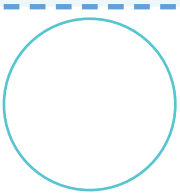
$\frac{1}{2}$ hafu yin'we



$\frac{1}{3}$ n'we-xa-nharhu



$\frac{1}{4}$ n'we-xa-mune



$\frac{1}{5}$ n'we-xa-ntlhanu

Kombisa _____ ya swiwitsi:



$\frac{1}{2}$ hafu yin'we



$\frac{1}{3}$ n'we-xa-nharhu



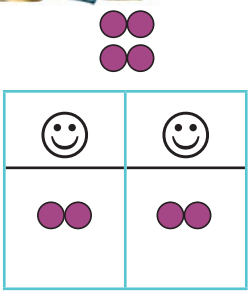
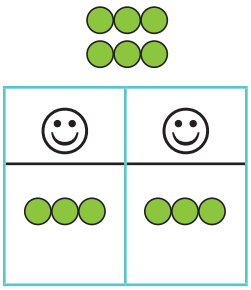
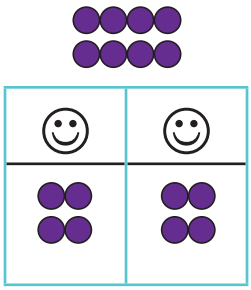
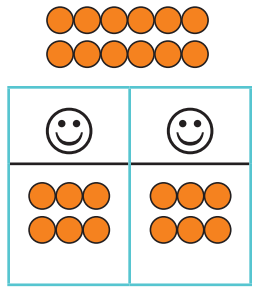
$\frac{1}{4}$ n'we-xa-mune



$\frac{1}{5}$ n'we-xa-ntlhanu

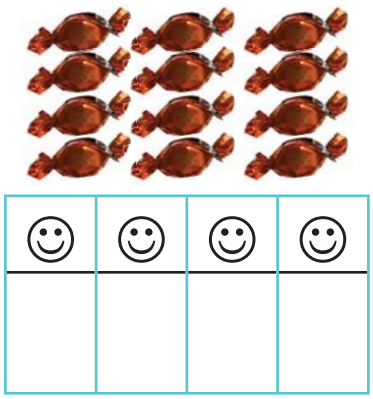
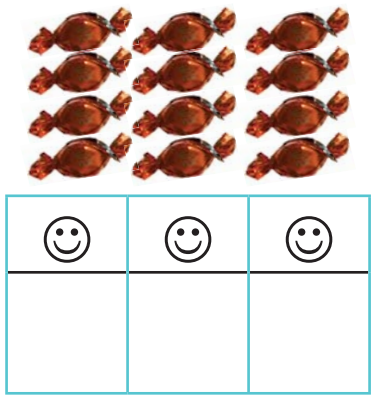
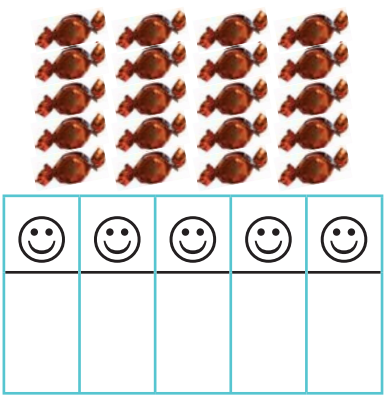


Ava swihlayelo exikarhi ka vana vambirhi.

			
Un'wana na un'wana u amukerile 2 wa swihlayelo. $\frac{1}{2}$ ya 4 wa swihlayelo i 2.	Un'wana na un'wana u amukerile ___ wa swihlayelo. ___ ya __ wa swihlayelo i ___.	Un'wana na un'wana u amukerile ___ wa swihlayelo. __ ya ___ wa swihlayelo i ___.	Un'wana na un'wana u amukerile ___ wa swihlayelo. __ ya ___ wa swihlayelo i ___.
$4 \div 2 = 2$	___ ÷ ___ = ___	___ ÷ ___ = ___	___ ÷ ___ = ___



Ava swiwitsi exikarhi ka vana.

		
• $\frac{1}{4}$ ya swiwitsi = 3 • $\frac{2}{4}$ ya swiwitsi = 6 • $\frac{3}{4}$ ya swiwitsi = 9 • $\frac{4}{4}$ ya swiwitsi = 12	• $\frac{1}{3}$ ya swiwitsi = ___ • $\frac{2}{3}$ ya swiwitsi = ___ • $\frac{3}{3}$ ya swiwitsi = ___	• $\frac{1}{5}$ ya swiwitsi = ___ • $\frac{2}{5}$ ya swiwitsi = ___ • $\frac{3}{5}$ ya swiwitsi = ___ • $\frac{4}{5}$ ya swiwitsi = ___ • $\frac{5}{5}$ ya swiwitsi = ___

Teacher:
Sign:
Date:





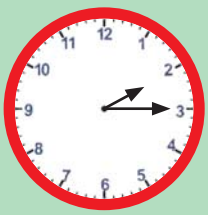
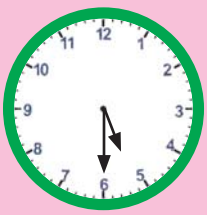
Siku: _____

Sweswi i nkarhi

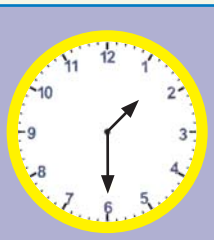
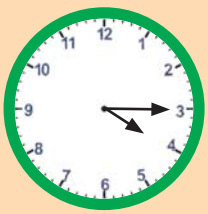


Fambelo ra wachi

Hi nga tsala nkarhi wun'we hi tindlela to hambana.

		
2:15 Kotara ku bile awara ya mbirhi	5:30 hafu ku bile awara ya ntlhanu	9:45 Kotara ku ya eka khume

Tsala leswi hi tindlela to hambana.

		
_____ _____	_____ _____	_____ _____

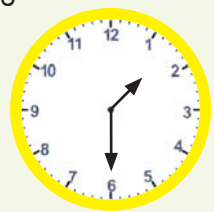


Ku ya ekaya

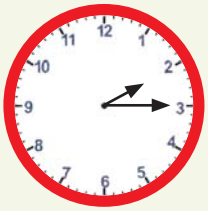
Xana Ben u teka nkarhi wo tanihi kwihi ku fika ekaya?

_____ timinete

_____ tiawara



Ben u suka exikolweni.



Ben u fika ekaya.

Nkarhi wa haha

Nkarhi hi vu-2 ...



Xana ku na ...

timinete tingani eka 2 wa tiawara? _____

tiawara tingani eka 2 wa masiku? _____

masiku mangani eka 2 wa mavhiki? _____

tin'hweti tingani eka 2 wa malembe? _____

Xana i masiku mangani?

Dzivamisoko						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Mudyaxihi						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Khotavuxika						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

27 Dzivamisoko i Siku ra Ntshunxeko.

16 Khotavuxika i Siku ra Vantshwa.

a. Ku suka eka Siku ra Ntshunxeko ku fika eka Siku ra Vantshwa ku na ___ wa tin'hweti to helela, _____ wa mavhiki yo helela na masiku.

b. Xana i mavhiki mangani yo helela hinkwawo ka wona? _____. Xana i masiku mangani ma nga sala? _____. Xana i masiku mangani hinkwawo ka wona?_____.

c. Siku ra ku velekiwa ra Lebo i 7 wa masiku ku nga si fika Siku ra Ntshunxeko. Siku ra ku velekiwa ra Musa i masiku mambirhi endzhaku ka Siku ra Vantshwa. Xana i mani lonkulu? ____ Hi masiku mangani? _____

Kambisisa. Fananisa. Lulamisa.

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

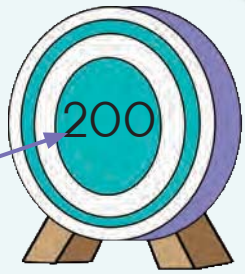


Siku: _____

Thagete ya 200



Ku hlayela tinomboro



Hlayela no vula tinomboro hinkwato ku suka eka 101 ku fika eka 200. Kombetela loko u ri karhi u hlayela u ya emahlweni.



101	102								
111									
121									
131									
								149	
			154						
				165					
		173							180
181					186				
							198		200



Tsala tinomboro

a. Tsala nomboro leyi siyiweke eka xikwere xin'wana na xin'wana xa wasi.

b. Tsala tinomboro letin'wana hinkwato.

c. Tsala 10 ya tinomboro leti landzelaka endzhaku ka 200.

200; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____



Tsala tinomboro leti siyiweke.

a.

200		180			
					110
50					
				0	

b.

87		107	
167			
		207	
			237

Hetisa

200	+	30	+	5	=	235
200	+	40	+	7	=	____
200	+	60	+	8	=	____
	+		+		=	293
	+		+		=	256

Tsala tinomboro ku suka eka leyitsongo swinene ku ya eka leyikulu swinene.

_____

_____

_____

_____

_____

Ku hlayela ku suka eka 100

Kuma leswi u faneleke ku va na swona ku kota ku ya eka nomboro leyi landzelaka.

Sungula: 100 → +25 → 125 → ____ → 129 → ____ → 138 → ____ → 145 → ____ → 151 → ____ → 157 → ____ → 168 ← Heta

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



Siku: _____

Ku tirha hi mitlawa ya tinomboro



Ku paka makhandhlela

Manana Nkosi u tirha efemeni ya makhandhlela.
Loko makhandhlela ya lulamile, u ma pakisa xileswi hi tithireyi etikhabodweni.



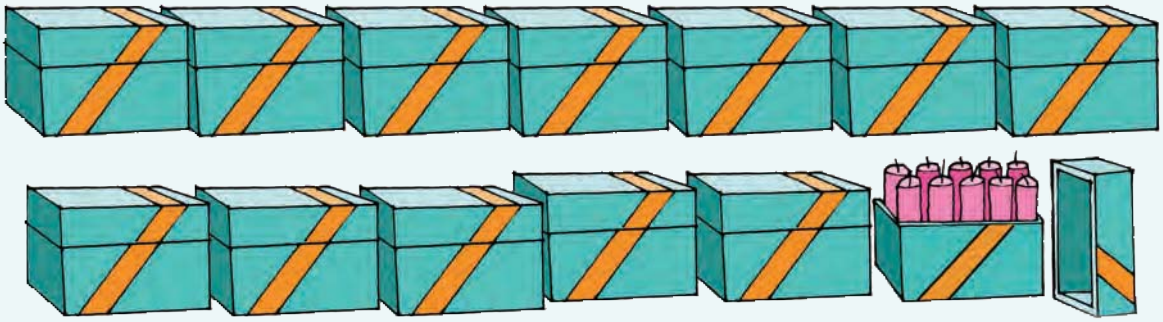
Xana ku na makhandhlela mangani ebokisini rin'wana na rin'wana? _____
Xana ku na mabokisi mangani eka rhaka yin'wana na yin'wana? _____
Ku na makhandhlela mangani eka rhaka yin'wana na yin'wana? _____





Mabokisi ya makhandhlela

Manana Nkosi u pf ala mabokisi.



a. Hlayela mabokisi hinkwawo.

Xana i mangani? _____
Xana ku laveka mabokisi man'wana mangani? _____
Xana ku laveka mabokisi man'wana mangani ku fikelela 200 ya makhandhlela? ____

b. Xana ku na makhandhlela mangani eka:

2 wa mabokisi, _____ ya ma	4 wa mabokisi, _____ ya ma
5 wa mabokisi, _____ ya ma	3 wa mabokisi, _____ ya ma
6 wa mabokisi, _____ ya ma	7 wa mabokisi, _____ ya ma

c. Xana i mabokisi mangani ya lavekaka eka:

40 ya ma, _____ ya mabokisi	70 ya ma, _____ ya mabokisi
50 ya ma, _____ ya mabokisi	30 ya ma, _____ ya mabokisi

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



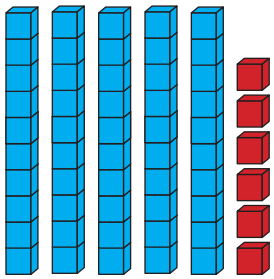
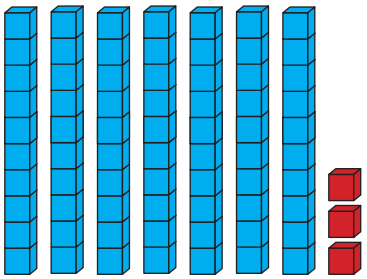
35a

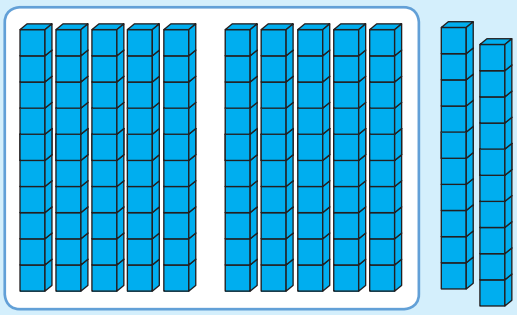
Siku: _____

Ku veka vukhume kun'we na ku byi hambanisa



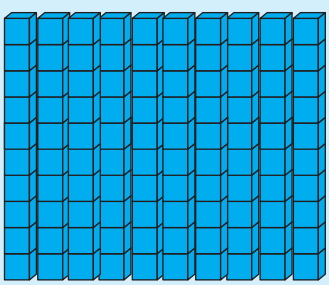
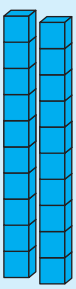
Ku veka vukhume kun'we loko hi hlanganisa eka 999

A hi hlanganise 56 + 73 =		+	
	5 ya vukhume na 6 ya vun'we		7 ya vukhume na 3 ya vun'we

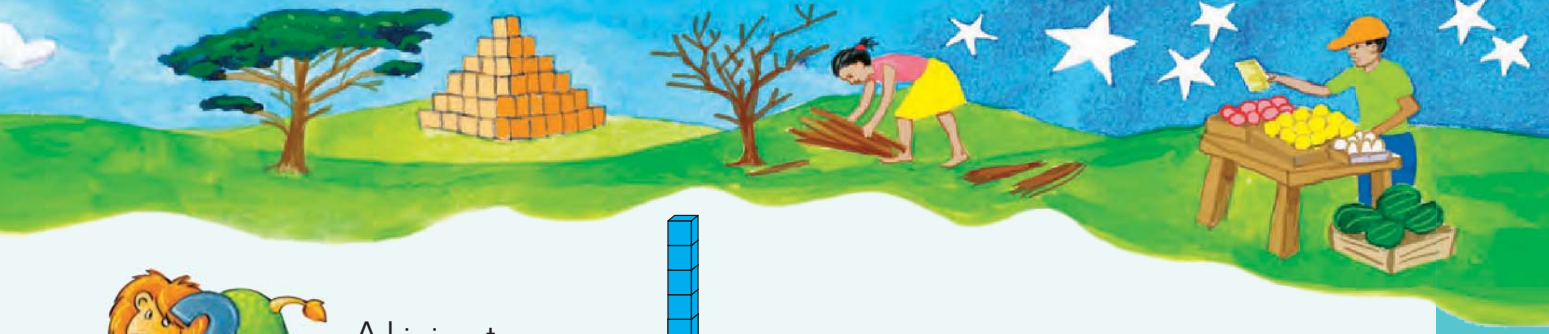
vu-100	vu-10	vu-1
		

Kun'we hi na 12 ya vukhume.

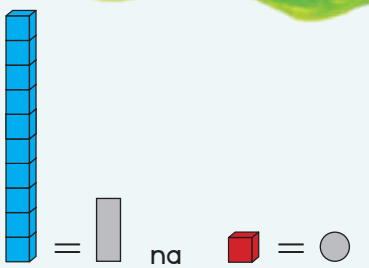
Hi nga veka 10 ya vukhume kun'we ku vumba dzana ri 1.

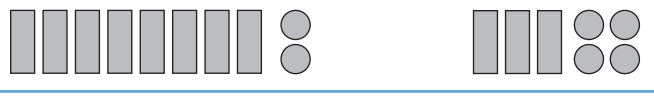




A hi ringete.



Xikombiso: 82 + 34



100 + 20 + 6 = 126

b. 65 + 52

c. 76 + 63

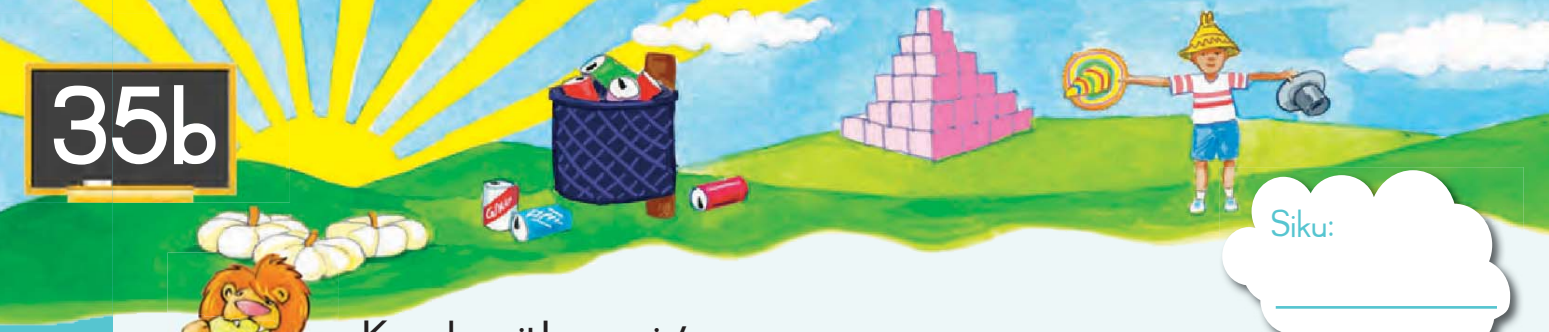
d. 86 + 65

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

35b



Siku: _____

Ku veka mitlawa swin'we

Tirhisa tibuloko ta wena ta nkoka wa ndhawu.

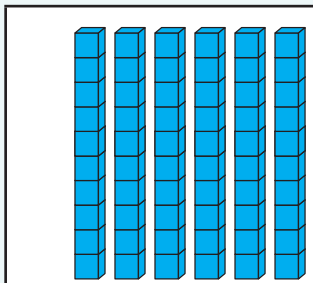
Tirhisa tibuloko ta nkoka wa ndhawu ku endla tinomboro letimbirhi.	Hinkwato kun'we Xana i ti hlanganile?	Xana u tlawahatile vukhume kumbe vun'we? Kambisisa nkoka wa ndhawu laha u nga vumba ntlawa nakambe.	Tsala nomboro.
23 + 99 =	_____ ya vukhume _____ ya vun'we	11 ya vun'we + 12 khume = 110 + 12	122
38 + 25 =	_____ ya vukhume _____ ya vun'we		
77 + 31 =	_____ ya vukhume _____ ya vun'we		
68 + 45 =	_____ ya vukhume _____ ya vun'we		
83 + 47 =	_____ ya vukhume _____ ya vun'we		

Ku hambanisa vukhume loko hi hlanganisa

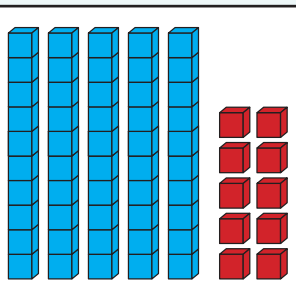
Loko hi susa, nkarhi wun'wana hi fanele ku kombisa khume rin'we tanihi vun'we bya khume, kumbe dzana rin'we tanihi 10 ya vukhume.

A hi suse: 60 – 55 =

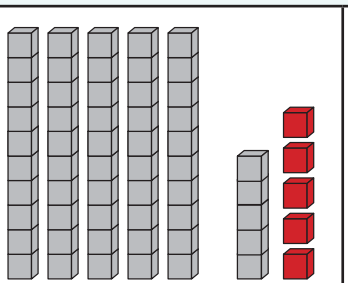
Hi sungula vukhume bya ntsevu naswona ku hava vun'we. Hi lava ku susa vukhume bya ntlhanu na vun'we bya ntlhanu. (Vun'we lebyi susiwaka byi khalariwe hi muhlovo wa mpunga).



Hi nga kombisa vukhume bya ntsevu hi ndlela leyi



Kumbe tanihi vukhume bya ntlhanu na vun'we bya khume.



Susa vukhume bya ntlhanu na vun'we bya ntlhanu.
Vun'we bya ntlhanu byi siyiwile

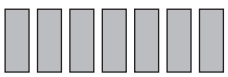
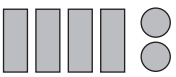
60 – 55 = 5

1 2 3 4 5 6 7 8 9 10



A hi ringete.

a. 70 – 28

			
7 ya vukhume	6 ya vukhume na 10 ya vun'we	70 – 28 =	42

b. 90 – 46

c. 80 – 53



Ku kuma phere ya tinomboro

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	

Teacher:
Sign:
Date:







Dirowa girafu ya swifaniso yo kombisa leswaku vana va buracha meno ya vona kangani hi siku.

 = 1 time



Endla mbalango etlilasini ya n'wina. Vutisa 15–20 wa vadyondzi swivutiso.

a. Xana va buracha meno kangani hi siku? _____

b. Dirowa girafu ya swifaniso leyi fanaka na leyi nga laha henhla ku kombisa mbuyelo wa wena.

Teacher:

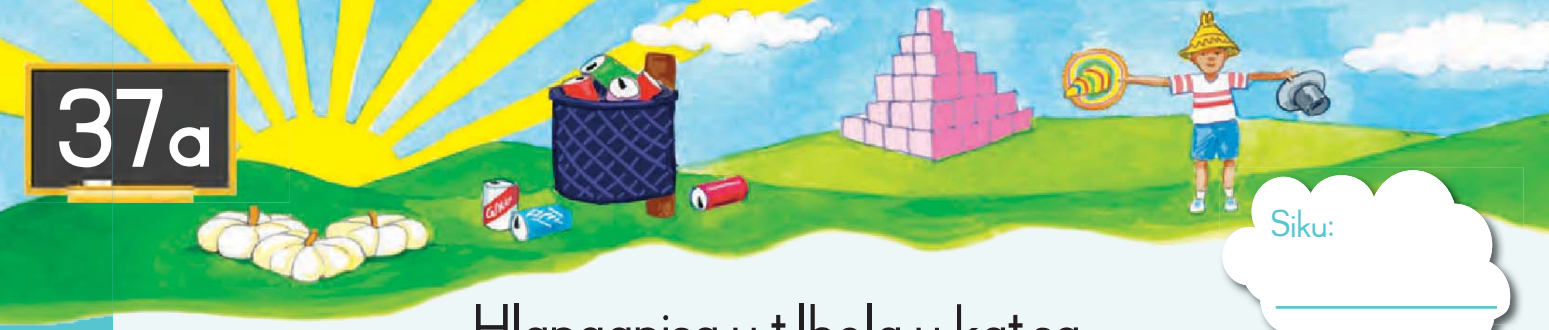
Sign:

Date:



11 12 13 14 15 16 17 18 19 20

37a



Siku: _____

Hlanganisa u tlhela u katsa

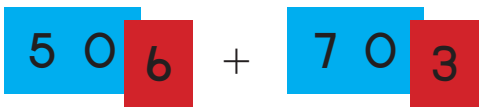


Ku tsala ntsengo wa wena



Busi a nga hlanganisa vun'we na vukhume a tlhela a byi katsa. A nga hlanganisa no susa ephepheni, ku ri hava tibuloko. Nkarhi wun'wana u rhandza ku sungula hi makhadi ya tinomboro ku kombisa tinomboro.

Hikwalaho eka ntsengo wa 56 + 73, u kuma makhadi lama:



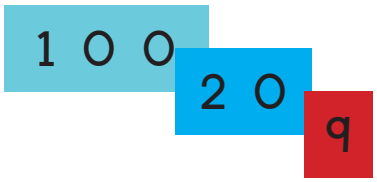
U tsale hi ndlela leyi:

50 + 70 + 6 + 3
= 50 + 70 + 9
= 120 + 9
= 100 + 20 + 9
= 129

U hlanganisa vu-1 kutani a veka ehansi khadi ra vu-9.

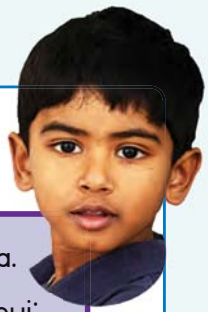


U tiva leswaku: 50 + 70 = 120.



U teka khadi ra vudzana, ra vu-20 na ra vu-9

ku endla nomboro ya 3 wa tidijiti.



Tumi u tiva leswaku tibuloko ti tirha hi ndlela yihi.

U endla 56 + 73 hi ndlela leyi:

50 + 6 + 70 + 3
120 + 9
= 129



Aakar u rhandza ku katsakanya.

Hi lawa matirhele ya yena eka leyi:

56 + 73
= 50 + 70 + 10 – 1
= 130 – 1 = 129







Sweswi ringeta. Endla yin'wana na yin'wana hi tindlela timbirhi.





a. 86 + 62

Maendlele ya Busi

80 + 60 + 6 + 2

Maendlele ya Tumi

80 + 6 + 60 + 2

b. 72 + 63

c. 81 + 57

d. 69 + 71

Tirhisa maendlele ya Tumi ku endla leyi.

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

37b



Siku: _____

Sweswi a hi suseni.

a. 87 – 53



Maendlele ya Busi

80 – 50 + 7 – 3

= 30 + 4

= 34



Maendlele ya Tumi's

80 + 7 – 50 + 3

= 30 + 4

= 34

b. 95 – 73

c. 86 – 62

d. 85 – 69

1 2 3 4 5 6 7 8 9 10



Xi ololoxe!

Ku na tindlela to tala to hlanganisa vun'we na vukhume. Hlawula ndlela leyi u yi tivaka no yi tsakela swinene ku lulamisa swiphiqo leswi. Kombisa ntirho wa wena.

a. Peter u sungula a kha 34 wa mapencisi kutani endzhaku a kha 67 wa mapencisi. Xana i mapencisi mangani hinkwawo ka wona?



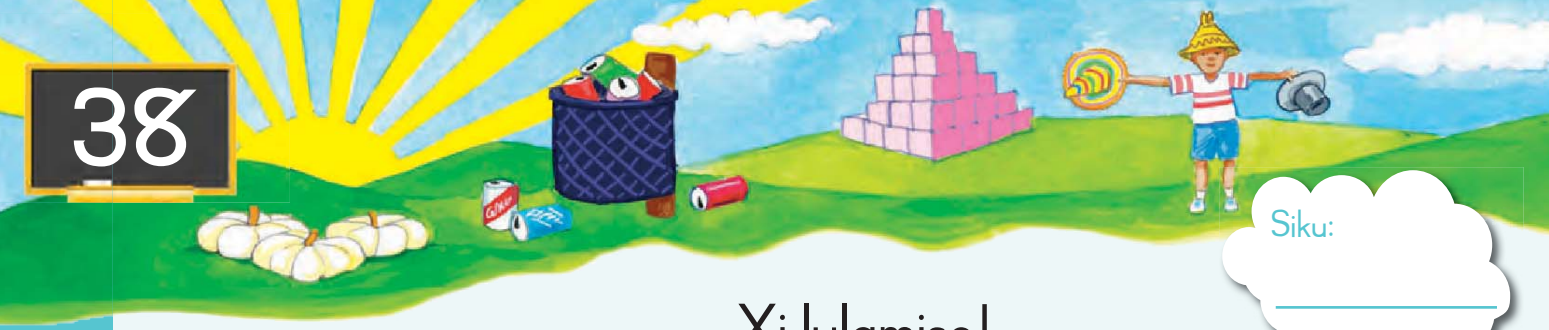
b. Vana va ka Malusi va hlayisa R47 swin'we. Mana wa vona u engetela R58. Xana van a mali muni sweswi?



c. Bazi ra xikolo ri famba 88 km nimixo na 73 km nindzhenga. Xana i tikilomitara tingani hinkwato ka tona?



Teacher:
Sign:
Date:



Siku:

Xi lulamise!



Swipfalo swa mabodhlela

Tirhisa ndlela yin'wana na yin'wana leyi u yi tsakelaka. Kombisa ntirho wa wena.



Sipho





Andile

Sipho u hlayela swipfalo swa mabodhlela swa 87. Andile u hlayela 38.
Xana Sipho na Andile va hlayele swipfalo swa mabodhlela swingani?



Khonsati ya xikolo

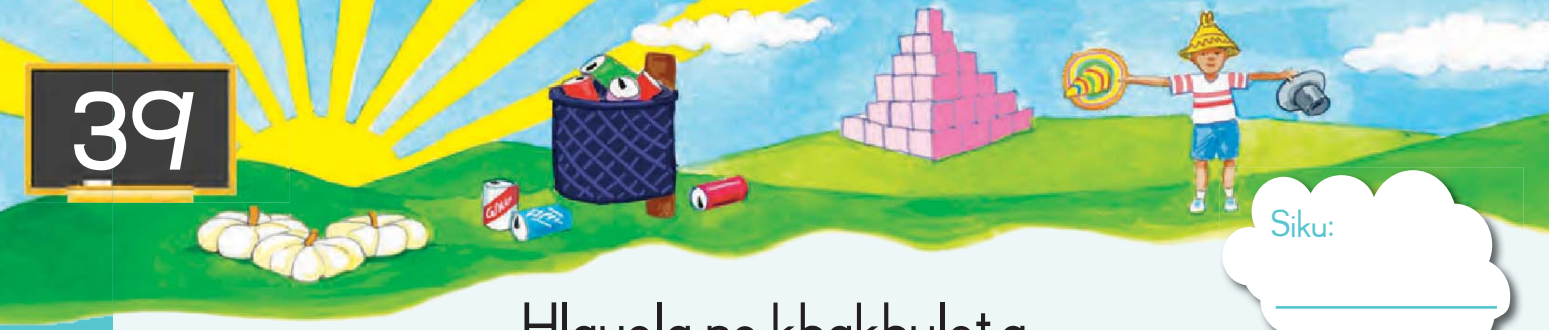


Musa



Musa u xavisa mathikithi. U na 92 ya mathikithi yo sungula hi wona. U na 67 lama saleke.
Xana Musa u xavisile mathikithi mangani ku fika sweswi?

1 2 3 4 5 6 7 8 9 10



Siku: _____

Hlayela no khakhuleta



Kuma xiphemu

Tsala tinomboro leti siyiweke.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

200	
	120



Ku susa ku suka eka 220 ku ya eka 100

Susa tinomboro eka bokisi ra pinki nkarhi wun'wana na wun'wana.
Hi ku endlele yo sungula.

220 → −15 → ☐ → −5 → ☐ → −10 → ☐ → −20 → ☐ → −20 → ☐ → −5 → ☐ → −5 → ☐ → −10 → ☐ → −15 → ☐ → −10 → ☐ → −5 → 100

Hi leyi ndlela yo kambisisa tinhlamulo ta wena! Sungula eka 100! Tirha u ya endzhaku eka 220. Kambe eka nkarhi wa sweswi, hlanganisa tinomboro!

1 2 3 4 5 6 7 8 9 10



40

Siku: _____

Ku pima hi tisentimitara



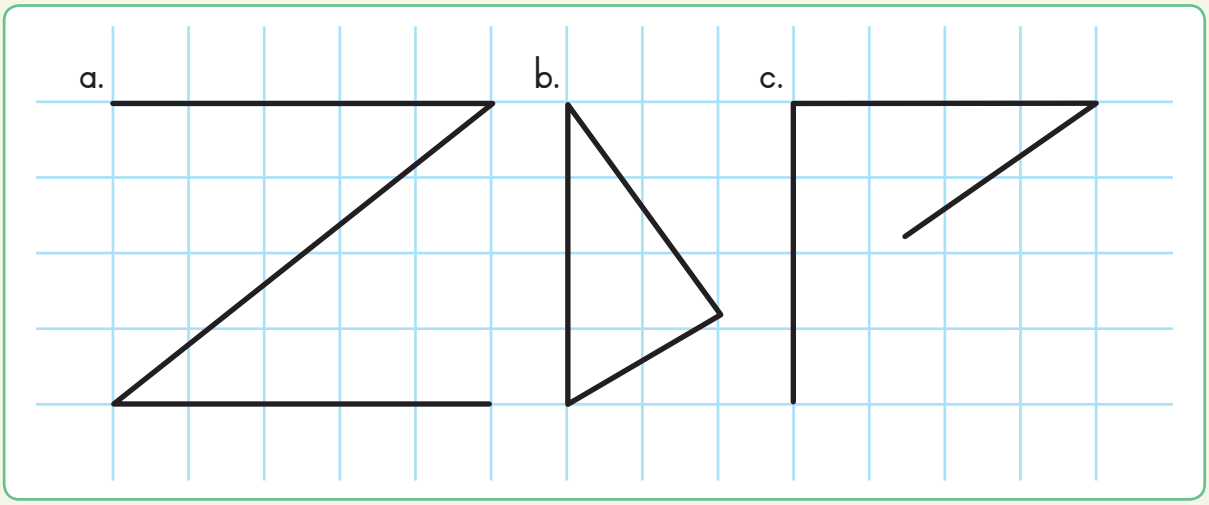
Xana sentimitara i yikulu ku fika kwihi?



Tinomboro eka rhula ti yimela tisentimitara.
Hi tirhisa nkomiso kumbe mfungho wa cm.
Loko u tirhisa rhula, u fanele ku sungula ku pima eka 0.
Tirhula tin'wana a ti kombi 0 ku fana na leyi nga eka pheji leyi.
Kuma ziro cm eka rhula. Tsala 0 eka rhula.
Xana 10 cm yi le kwihi eka rhula leyi? Tsala 10 lahaya.



Pimanyeta kutani u pima hi nkhaqato hi rhula ya wena, ntsengo wa vulehi bya mitila leyi hi ti cm.



a. Pimanyeta ____ cm	b. Pimanyeta ____ cm	c. Pimanyeta ____ cm
Pima ____ cm	Pima ____ cm	Pima ____ cm



1 2 3 4 5 6 7 8 9 10





Xana layini yin'wana na yin'wana yi lehile ku fika kwihi?

Xana layini yin'wana na yin'wana yi lehile tisentimitara tingani?

Tirhisa rintiho ra wena ku ku pfuna ku teka xiboho.

a. ——— ☐ cm	d. | ☐ cm
b. ——————— ☐ cm	e. ☐ cm
c. — ☐ cm	f. ☐ cm

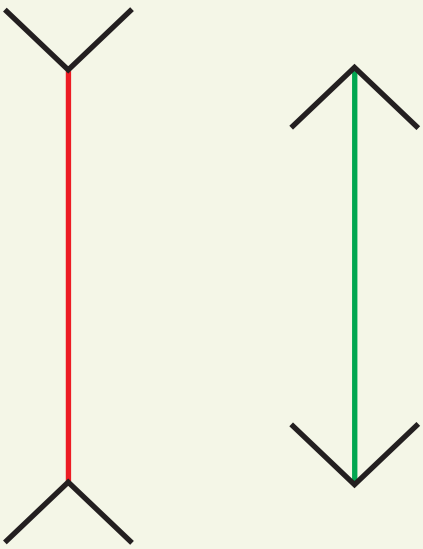


Xana wa tshemba?



Xana hi yihi yo lehanyana, layini yo tshwuka kumbe layini ya rihlaza?

Xana u nga kambisisa njhani?



Leswi ndzi swi vula leswaku i norho wa tihlo. Leswi swi humelela loko mahlo ya wena ya xisiwa hi nchumu lowu hi ntiyiso wu nga riki kona. Tilayini letimbirhi ti na vulehi lebyi ringanaka. Miseve leyi kombeteleke endzeni yi endla layini leyi yi languteka yi komile, kasi miseve leyi kombeteleke ehandle yi endla layini leyin'wana yi languteka yi lehile ku tlula leswi hi ntiyiso yi nga xiswona.

Teacher:

Sign:

Date:



11 12 13 14 15 16 17 18 19 20



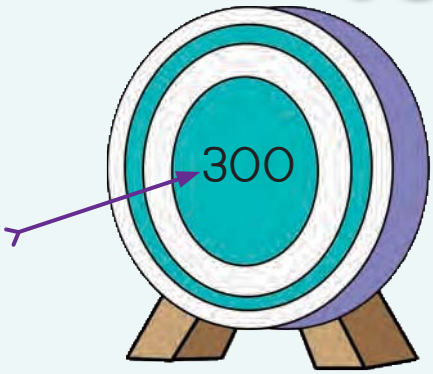
41

Siku: _____

Thagete ya 300



Ku hlayela no tsala vu-200



Hlayela ku suka eka 201 ku fika eka 300.

Kombetela loko u karhi u hlayela u ya emahlweni.

Kutani tata tinomboro ta wasi ku sungula.

Tsala tinomboro letin'wana hinkwato.



201						207			210
211									
221									
231									
								249	
			254						
				265					
		273							280
281					286				
							298		300

Tsala 10 ya tinomboro endzhaku ka 300.

300; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____

1 2 3 4 5 6 7 8 9 10



Xana ntlulo i yini?

301		281					
		171					211
						101	

Ku kombisa no fananisa

a. Tsala tinomboro leti nghenaka eka khadi rin'wana na rin'wana.

298; 208; 301; 276; 227; 269; 311

200						
90						
8						

b. Tsala tinomboro hi nongonoko wo suka eka leyitsongo ku fika eka leyikulu swinene.

_____; _____; _____; _____; _____; _____; _____

Hi kwihi ku cinca? Tsala tinomboro leti siyiweke.

Sungula: 200 → +25 → 225 → ____ → 237 → ____ → 249 → ____ → 261 → ____ → 278 → ____ → 286 → ____ → 300 ← Heta

Teacher:
Sign:
Date:

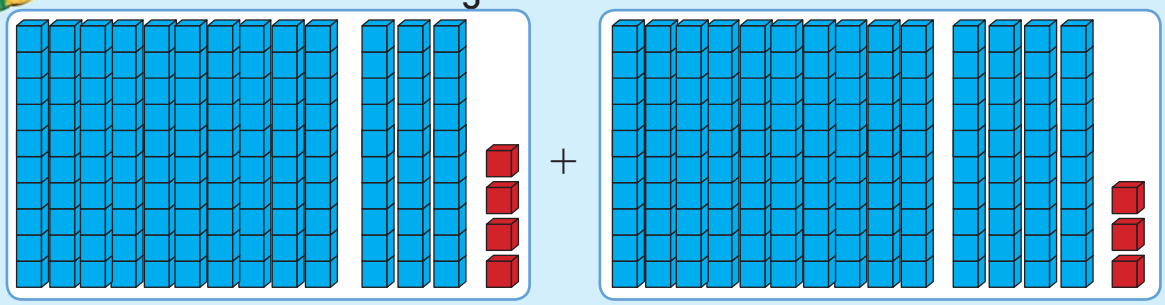


42

Siku: _____

Ku hlanganisa no susa hi vu-100

Ku tirhisa tibuloko ku hlanganisa



100 + 304 + 100 + 403

= 200 + 70 + 7

= 277

Landzelela maendlele mambirhi. Kombisa nhlamulo yin'wana na yin'wana hi tindlela timbirhi.

a. 132 + 123



Maendlele ya Busi

= 100 + 100 + 30 + 20 + 2 + 3

= 200 + 50 + 5

= 255



Maendlele ya Tumi

132 + 123

= 200 + 50 + 5

= 255

b. 114 + 162



c. 276 + 148

Xiya maendlele kutani u susa.





a. 158 – 146

Maendlele ya Busi

= 100 – 100 + 50 – 40 + 8 – 6

= 0 + 10 + 2

= 12

Maendlele ya Tumi

158 – 146

= 0 + 10 + 2

= 12

b. 194 – 122

c. 288 – 199

Teacher:

Sign:

Date:

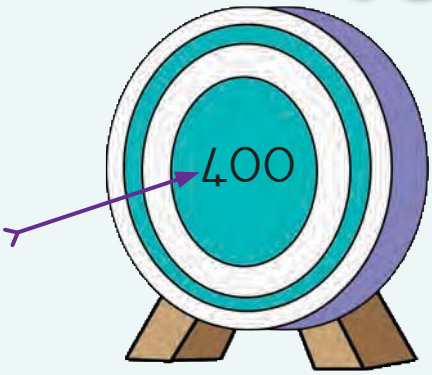


Siku: _____

Thagete ya 400



Ku hlayela no tsala vu-400



Hlayela ku suka eka 300 ku fika eka 400.

Vula tinomboro loko u ri karhi u hlayela.

Tsala nomboro leyi siyiweke eka giridi.

301									310
				315					
									330
331				335					
								249	
				365			368		
		273							
									390
									400



Tsala 9 ya tinomboro leti landzelaka endzhaku ka 400.

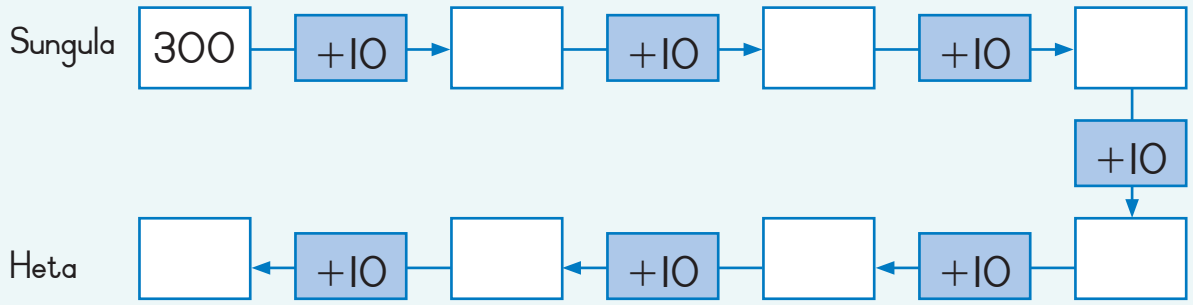
400; _____; _____; _____; _____; _____; _____; _____; _____; _____;



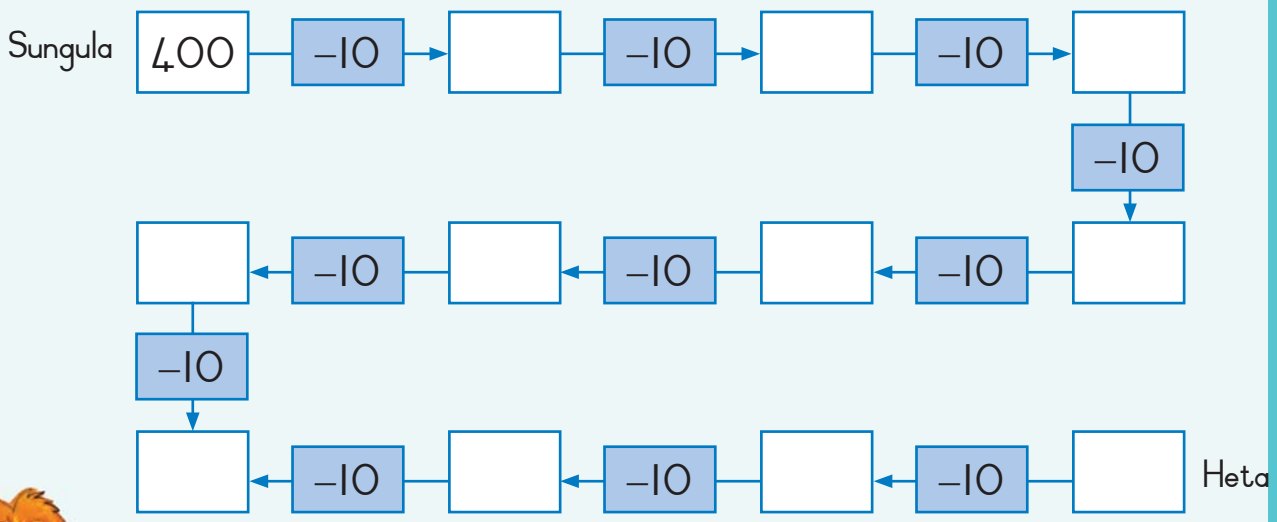


Hi kwihi ku cinca?

a. Ku hlayela emahlweni ku suka eka 300



b. Hlayela ku suka eka 400





Tsala tanihi nomboro yin'we.

300 + 20 + 4 = _____

300 + 50 + 3 = _____

300 + 60 + 2 = _____

300 + 80 + 1 = _____

300 + 10 + 5 = _____

300 + 70 + 7 = _____

300 + 90 + 9 = _____

300 + 40 + 8 = _____

Tsala tinomboro hi nongonoko wo suka eka leyitsongo ku fika eka leyikulu swinene.

_____, _____, _____, _____, _____, _____, _____, _____

Teacher:
Sign:
Date:



44

Siku: _____

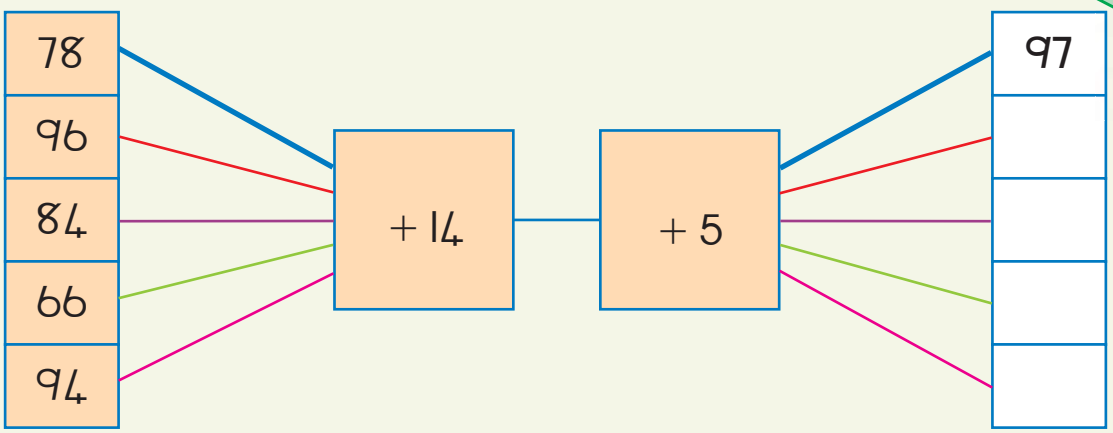
Ku pima



Nomboro yo hlawuleka

Hlanganisa u tlhela u tsala tinhlamulo.







Katsakanya kutani u hlanganisa!

Ehleketa khwatsi!

				
Mhungubye 25 kg	Xibodze 98 kg	Mfenhe 59 kg	Ximangwana 88 kg	Phelikhene 9 kg

Katsakanya mpimo wa xiharhi xin'wana na xin'wana ku ya eka 10 kg ya le kusuhi.

_____

Tsala ntiko wa xiharhi xin'wana na xin'wana hi nongonoko wo suka eka xo vevuka ku ya eka xo tika.

_____

Pimanyeta ntsengo wa ntiko wa 5 wa swiharhi.

_____

1 2 3 4 5 6 7 8 9 10



Hlanganisa mitiko ya swona



Ndzi nga va ndzi nga tiki ku fana na wena. Nkulukumba N'waxibodze, ndzi na ntiyiso leswaku ndzi na rivilo!



Magoza:

- Tirhisa mitsengo leyi katsakanyiweke.
- Pimanyisa ntiko wa swiharhi eka rixaxa rin'wana na rin'wana.
- Khakhuleta mitsengo.
- Fananisa mitsengo mimbirhi kutani u tsala ku hambana ka yona.

	Ndza Pimanyisa	Ndza khakhuleta	Ku hambana
			
			
			

Kambisisa. Fananisa. Lulamisa.

Ntiko wa Vusi

Vusi u engetela ntiko wa yena eka mitiko ya  na .

Ntiko wa vona hinkwawo i 239 kg. Xana ntiko wa Vusi i yini? Kombisa nhlamulo ya wena.

Ntiko wa mina i yini?

Tlangani hi ntlawa. Siyerisanani ...

Hlanganisa ntiko wa wena eka ntiko wa swin'wana swa swiharhi. Tirha ntsengo. Byela ntlawa nhlamulo. U nga va kombi ntirho wa wena! Va fanele ku tirha va kuma ntiko wa wena.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

45



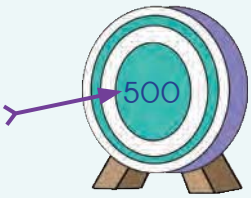
Siku: _____

Thagete ya 500



Ku hlayela no tsala

400



401				405					410
411									420
	422					427			
			434						
					446				
							458		
	462								470
		473				477			
481									490
								499	500

a. Ku hlayela u ya emahlweni ku suka eka 400. Vula tinomboro loko u ri karhi u hlayela u ya emahlweni.

b. Tsala tinomboro leti siyiweke eka giridi.

c. Tsala tinomboro leti landzelaka ta 9 endzhaku ka 500.

500; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Hlayela hi vu-2. Tsala 8 wa tinomboro leti landzelaka hi patironi ya vu-2.

400; 402; _____; _____; _____; _____; _____; _____; _____; _____

e. Hlayela hi vu-5. Tsala 8 wa tinomboro leti landzelaka hi patironi ya vu-5.

400; 405; _____; _____; _____; _____; _____; _____; _____; _____



Xana i ku cinca hi kwihi?

a. Hlayela u ya endzhaku ku suka eka 400.

Sungula 400 → +20 → ☐ → +30 → ☐ → +10 → ☐ → +10 → ☐ → +20 → ☐ → +10 → ☐ → +50 → ☐ → +10 → ☐ → +20 → ☐ Heta

b. Hlayela hi xindzhaku ku suka eka 500.

Sungula 500 → −2 → 498 → ☐ → 496 → ☐ → 494 → ☐ → 484 → ☐ → 474 → ☐ → 454 → ☐ → 434 → ☐ → 414 → ☐ → 404 → ☐ → 402 → ☐ → 400 Heta



Kombisa tinomboro. Landzelela xikombiso

Kuma mitsengo. Tirhisa makhadi ya wena ya tinomboro ku kombisa ntsengo wun'wana na wun'wana.

405 + 10	415	400 + 10 + 5
446 + 10		
455 + 10		

398 + 10		
424 + 10		
460 + 20		

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

46

Siku: _____

Ku hlanganisa no susa kun'wana

Xana wa lemuka?

200 + 50 + 4 200 + 30 + 5	400 + 80 + 9	489



Hi ta tlhela hi tirhisa maendlele ya Busi na ya Tumi ku hlanganisa.

a. 245 + 231





Maendlele ya Busi

= 200 + 200 + 40 + 30 + 5 + 1

= 400 + 70 + 6

= 476

Maendlele ya Tumi

245 + 231

= 400 + 70 + 6

= 476

b. 278 + 136

c. 265 + 148

1 2 3 4 5 6 7 8 9 10



Hi ta tlhela hi tirhisa maendlele ya Busi na ya Tumi ku susa.

a. 476 – 324



Maendlele ya Busi

= 400 – 300 + 70 – 20 + 6 – 4

= 100 + 50 + 2

= 152



Maendlele ya Tumi

476 + 324

= 100 + 50 + 2

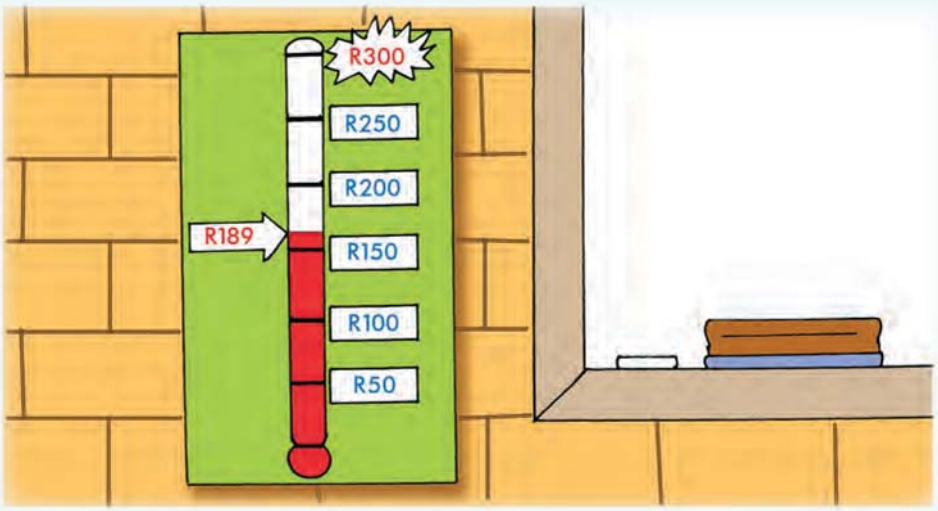
= 152

b. 489 – 456

c. 482 – 161



Ku fikelela thagete



Xiyisisa xifaniso.

Xana ku laveka mali muni ku kota ku fikelela thagete? R

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Date:



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Siku: _____

Tipatironi hinkwako



Ntshava ya xihundla

Xana i yini vito ra ntshava yo leha ngopfu eGauteng? Tirhisa khodi ku kumisisa. Pananisa nhlamulo yin'wana etafuleni na letere leri nga eka khodi.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Vuthala bya tinomboro	Nhlamulo	Letere
Xikombiso: $2 \times 3 \times 3 \times 1 = \square$	18	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 2 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + 9 + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		

Vito ra ntshava i





Languta! Ehleketa no hlamula!

⊙	✷	☾	✷	⊙	⊙	✷	☾	✷	⊙	⊙	✷	☾	✷	⊙
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

a. Xana nomboro ya 16 yi ta va ya xivumbeko xihi?
Fungha (✓) eka lexi nga xona. ✷ ⊙ ☾
Xana nomboro ya 18 yi ta va ya xivumbeko xihi?
Fungha (✓) eka lexi nga xona. ✷ ⊙ ☾
Xana nomboro ya 23 yi ta va ya xivumbeko xihi?
Fungha (✓) eka lexi nga xona. ✷ ⊙ ☾

b.

Nomboro ya 50 yi ta va ✷.	Hi swona kumbe A hi swona?
Nomboro ya 100 yi ta va ⊙.	Hi swona kumbe A hi swona?
Nomboro ya 23 yi ta va ☾.	Hi swona kumbe A hi swona?



Kambisisa. Fananisa. Lulamisa.



Hi yihi leyi nga tala?

Ku amukela mali yo longisiwa ya R2,50 hi siku hi Khotavuxika na Mawuwani.

Kumbe ku amukela R150 hi siku ra 1 Mhawuri.

Kombisa matirhele ya wena.

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Date:



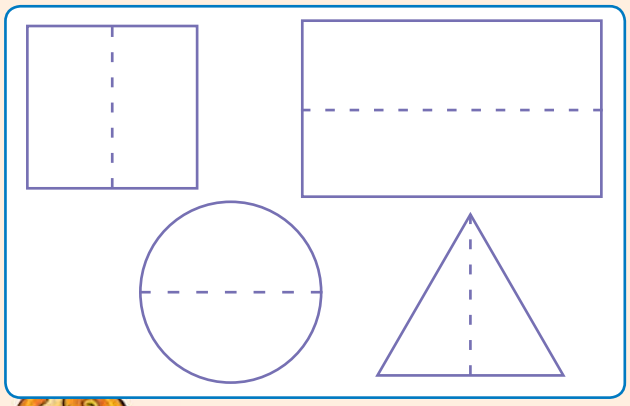
11 12 13 14 15 16 17 18 19 20



Siku: _____

Ndzingano

Xana u lemuka yini hi swivumbeko leswi?



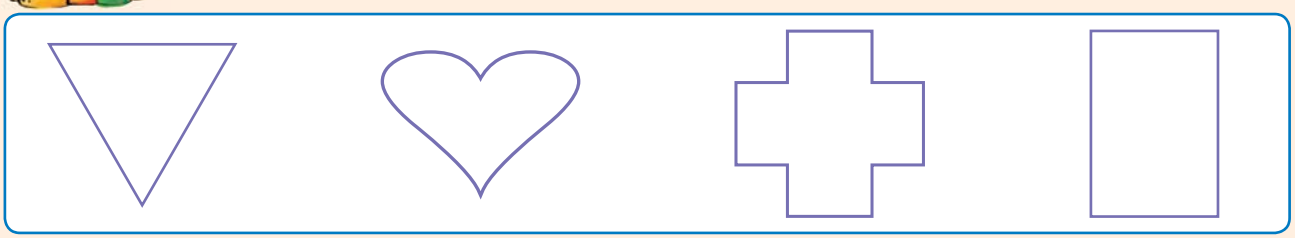
Ntila wa ndzinganiso wu avanyisa xivumbeko eka tihafu timbirhi leswaku hafu yin'wana na yin'wana yi va ntlheriselo wa xivoni wa xiphemu lexin'wana.

Xivumbeko xi na ndzingano loko u xi petsa eka ntila wa ndzinganiso leswaku tihafu letimbirhi ti ta yelana hi nkhaqato.



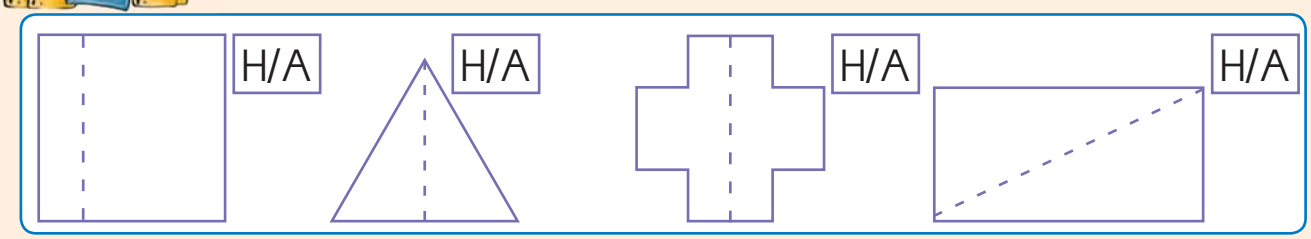


Dirowa ntila wa ndzinganiso eka xivumbeko xin'wana na xin'wana?



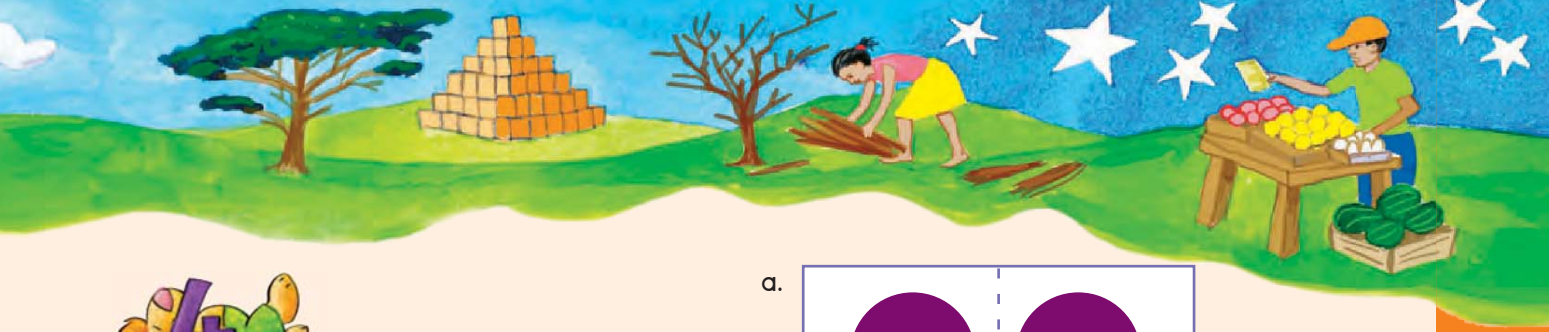


Xana ntila wa mathonsi i ntila wa ndzingano kumbe a hi wona?





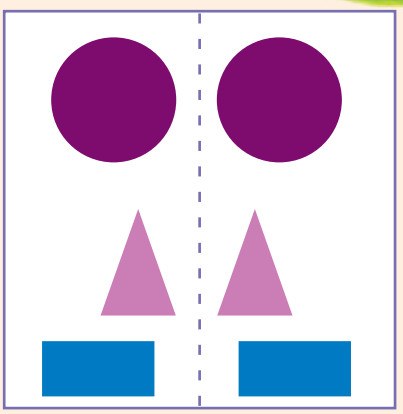
Xana lowu i ntila wa ndzinganiso? Hikwalaho ka yini?



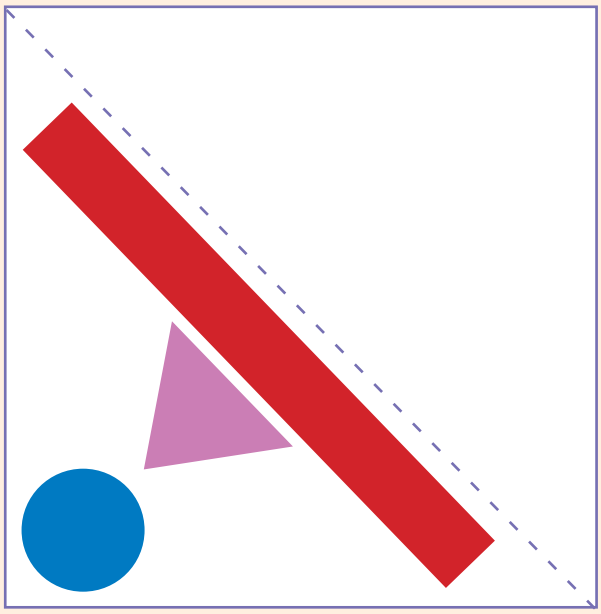
Dirowa swivumbeko ku endla leswaku xifaniso xi va na ndzingano.

Hi ku endlele xo sungula.

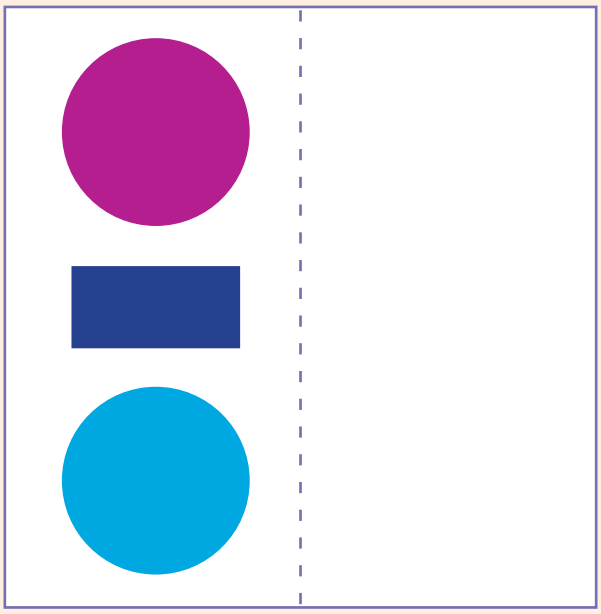
a.



b.



c.





Tumbuluxa khapete ya wena ya ndzingano hi ku tirhisa swivumbeko.



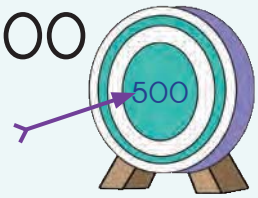




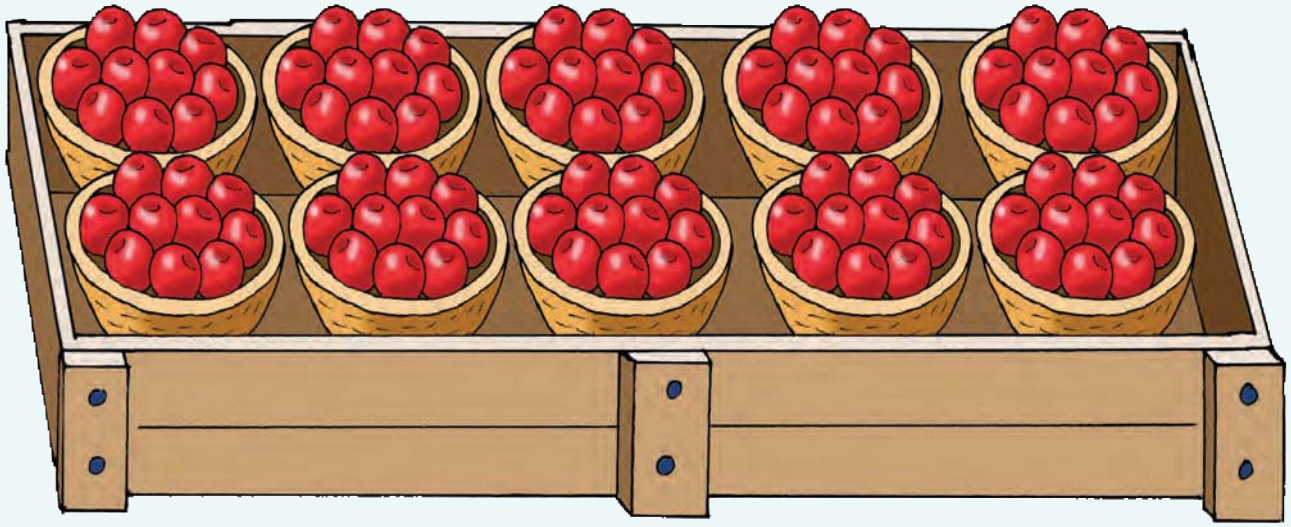
49

Siku: _____

Ku aka ku fika eka 500



Ku hlayela maapula



Hetisa u tlhela u andzisa

1 khireti yi khoma _____ wa maapula.	1 × 10 = 10
3 wa tikhireti ti khoma _____ wa maapula.	3 × 10 =
5 wa tikhireti ti khoma _____ wa maapula.	
4 wa tikhireti ti khoma _____ wa maapula.	
2 wa basikiti yi khoma _____ wa maapula.	

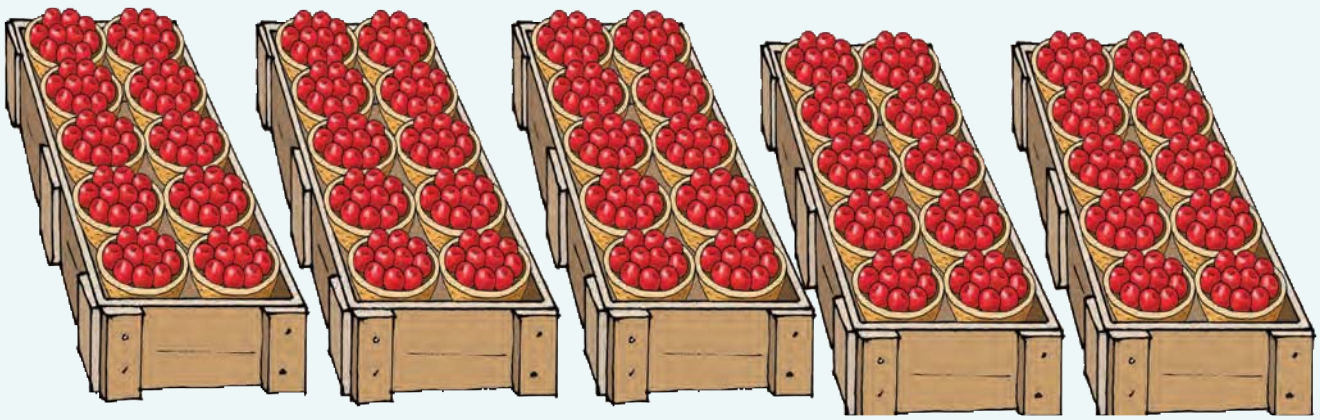
1 khireti yi khoma 100 wa maapula.	2 wa tikhireti ti khoma ____ wa maapula.
3 wa tikhireti ti khoma ____ wa maapula.	4 wa tikhireti ti khoma ____ wa maapula.
5 wa tikhireti ti khoma ____ wa maapula.	2 wa tikhireti ta hafu ti khoma__wa maapula.

1 2 3 4 5 6 7 8 9 10



Ku na 10 wa maapula endzeni ka basikiti.

Ku na _____ wa tibasikiti eka khireti yin'we.
Ku na _____ wa maapula eka khireti yin'we.
Xana ku na maapula mangani hinkwawo ka wona? _____





Ku khakhuleta, ku kombisa no tsala

300
40
5

Sungula hi ku tirhisa makhadi ya tinomboro ku kombisa ntsengo wun'wana na wun'wana. Kutani tsala nomboro.

3 wa tikhireti	+	4 wa tibasikiti	+	5 wa maapula	=	345 wa maapula	
4 wa tikhireti	+	5 wa tibasikiti	+	7 wa maapula	=	__wa maapula	
5 wa tikhireti	+	2 wa tibasikiti	+	3 wa maapula	=	__wa maapula	
4 wa tikhireti	+	7 wa tibasikiti	+	2 wa maapula	=	__ wa maapula	

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Date:



11 12 13 14 15 16 17 18 19 20



Siku: _____

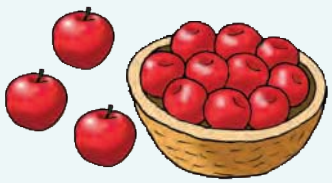
Ku andzisa no avanyisa (10)



Ku hlayela maapula

Tata tafula.

Xana i tibasikiti tingani leti nga na maapula?



Maapula	10	20	30	40	50
Tibasikiti	1	2			

Nhlayo ya ÷					50 ÷ 10 = 5
Nhlayo ya ×					5 × 10 = 50



Avanyisa maapula exikarhi ka vana. Dirowa xifaniso.

a.









Kambisisa tinhlamulo ta wena

□ ÷ □ = □

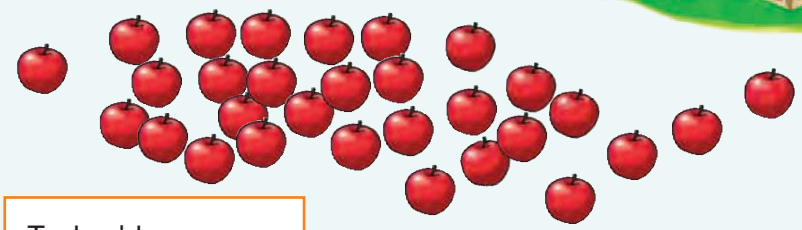
□ × □ = □



1 2 3 4 5 6 7 8 9 10

b.







Tsala nhlayo ya ÷

Tsala nhlayo ya × ku kambisisa tinhlamulo ta wena





Tirhisa tinomboro ku endla swivulwa swa wena swa tinomboro.

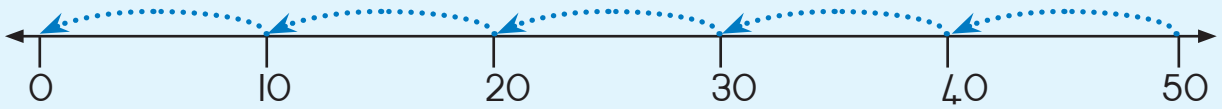


Xikombiso

÷	40 ÷ 10 = 4

×	4 × 10 = 40

a.



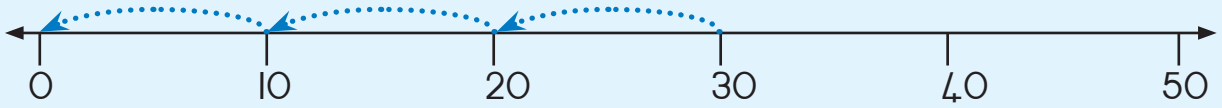
÷		×	

b.



÷		×	

c.



÷		×	



Tsala nomboro leyi nga yitsongo hi 10 na leyi nga yikulu hi 10 eka nomboro leyi nyikiweke.

_____, 460, _____	_____, 390, _____	_____, 500, _____

Teacher:
Sign:
Date:



51

Siku: _____

Hlayela hi vu-2



Ku hlayela emahlweni na hi xindzhaku hi vu-2

a. 232; 234; _____; _____; _____; 242; _____; _____; 248

b. 500; _____; 496; _____; _____; 490; _____; _____; _____

c. 460; _____; _____; 400; _____; 360; _____; _____; _____

d. 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Tiphere ta magilavhu



a. Xana ku na tiphere tingani ta magilavhu eka rixaxa rin'we? _____

b. Xana ku na magilavhu yo famba hi rin'we mangani eka rixaxa rin'we? _____

c. Xana ku na tinxaxa tingani? _____

d. Xana ku na magilavhu mangani hinkwawo ka wona? _____

e. Kombisa leswi u swi tirhiseke xiswona.

f. Tsala nhlamulo ya wena tanihi xivulwa xa tinomboro.

_____ × _____ = _____







Xana i magilavhu mangani?

Tsala ematafuleni.

a.

Tiphere	10	5	50	4	40	3	30	100
Magilavhu								

b.

Gilavhu rin'we	20	21	70	73
Tiphere leti nga endliwaka				
Magilavhu ya rin'we rin'we lama saleke				



Hlayela hi vumbirhi

a. Hi yihi nomboro leyi nghenaka exikarhi?

264, _____, 268	391, _____, 395	414, _____, 410

b. Tsala tinomboro timbirhi leti landzelaka.

373, 375, 377 , 379	480, 482, ___, ___	262, 264, ___, ___

c. Tsala tinomboro timbirhi leti landzelaka.

346, 348, ___, ___	415, 417, ___, ___	297, 299, ___, ___

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

Siku: _____

Pheyivha hi tithayili



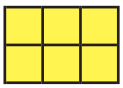
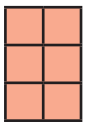
Ku kunguhata xirhapa



Manana Mabena u na tithayili to saseka.

U ti tirhisa ku pheyivha ndhawu exirhapeni xa yena.

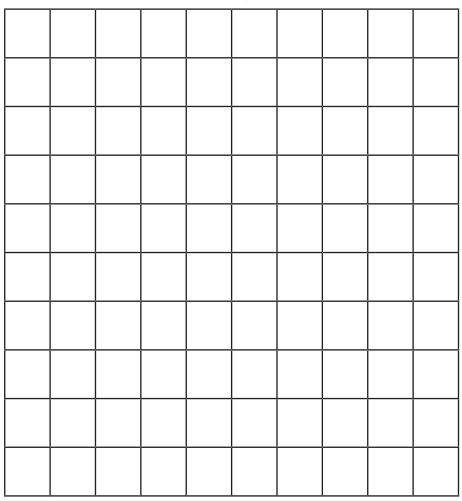
Ku na tithayili ta 6 wa swikwere ta sayizi leyi fanaka.

Ndzi endla 1 rixaxa hi 6 wa tithayili.	Ndzi nga endla 2 wa tinxaxa hi 3 wa tithayili eka rixaxa.	Ndzi nga endla 3 wa tinxaxa hi 2 wa tithayili eka rixaxa rin'wana na rin'wana.
		
$6 \times 1 = 6$	$3 \times 2 = 6$	$2 \times 3 = 6$

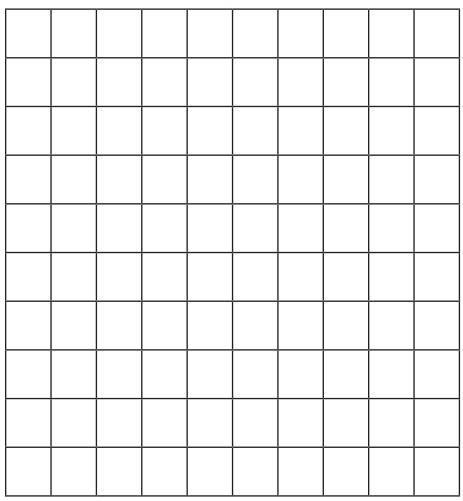
Sweswi i nkarhi wa wena!

Dzwihata tibuloko ku kombisa leswi u nga vekisaka xiswona tithanyili ta 8 na 9 wa swikwere.
Tsala swivulwa swa tinomboro swa xifaniso xin'wana na xin'wana.

9 wa swikwere



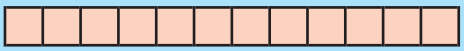
8 wa swikwere





Veketela 12 wa tithayili

Thabo u na tithayili ta 12 wa swikwere leti a faneleke ku phiyivha etlhelo ka yindlu ya yena. N'wi pfune ku kuma tindlela hinkwato leti a nga endlaka leswi hatona. Tsala xivulwa xa tinomboro xa ndlela yin'wana na yin'wana.

Xikombiso: 	$1 \times 12 = 12$ $12 \times 1 = 12$
	
	



Veketela 24 wa tithayili

- Tirhisa giridi leyi nga eka xitsemiwa xa 4.
- Dzwihata 24 wa tibuloko hi tindlela to hambana.
- Tsala swivulwa swa tinomboro ku yelanisa xifaniso xin'wana na xin'wana.



Ndzi nga andzisa!

$12 = 2 \times$ ☐	$3 \times$ ☐ $= 12$	$9 =$ ☐ $\times 3$
$6 = 3 \times$ ☐	☐ $\times 3 = 12$	$24 = 3 \times$ ☐

Teacher:
Sign:
Date:





53

Siku: _____

Hi vu-5 ku fika eka 500



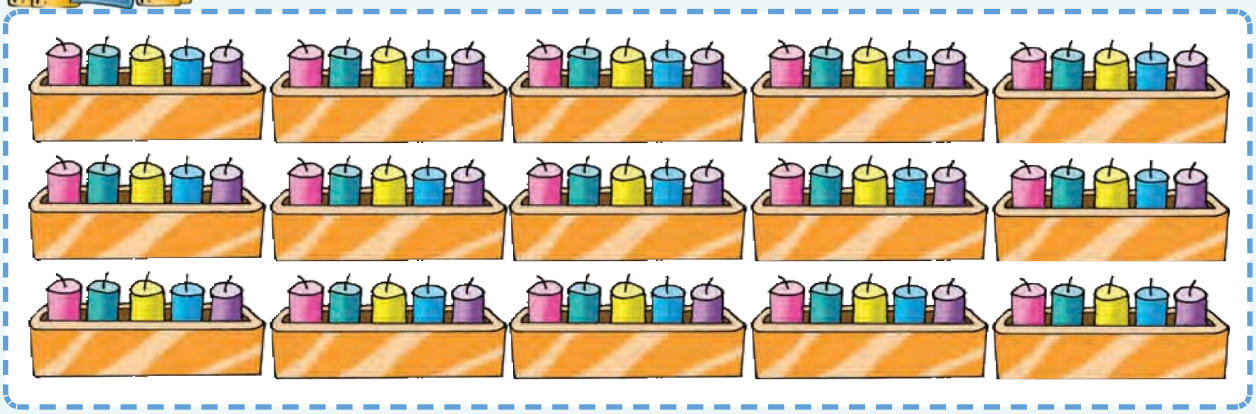
Ku tiva vu-5 bya wena

Tata tinhlamulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



Ku hlayela makhandhlela



a. Ku na makhandhlela mangani eka bokisi rin'wana na rin'wana? _____

b. Ku na makbokisi mangani eka rixaxa rin'wana na rin'wana? _____

c. Ku na makhandhlela mangani eka rixaxa rin'wana na rin'wana? _____

d. Ku na makhandhlela mangani hinkwawo ka wona? _____



Kombisa nhlamulo ya wena

Gwabisa (✓) swivulwa swa tinomboro leswi kombisaka ntsengo wa makhandhlela.

a. $5 \times 3 \times 3 =$ ☐ b. $15 \times 3 =$ ☐ c. $3 \times 5 \times 5 =$ ☐ d. $15 \times 5 =$ ☐





Ku hlayela emahlweni na hi xindzhaku hi vu-5

a. 85; _____; _____; 70; _____; _____; 55; _____; _____

b. 240; _____; _____; 255; _____; _____; _____; _____; 280

c. 405; _____; 395; _____; _____; 380; _____; _____; 365; _____

Ku hlengeleta tikhoyini ta R5



Vana va hlengeleta tikhoyini ta R5. Xana va lava tikhoyini ta R5 tingani ku endla:

R5 ÷ R5 = 1 tikhoyini	R10 ÷ R5 = 2 tikhoyini	R15? ____	R20? ____	R25? ____
R30? ____	R35? ____	R40? ____	R45? ____	R50? ____

2 × R5 = R

4 × R5 = R

3 × R5 = R

6 × R5 = R



Ku andzisa hi vu-5

Xikombiso: 1 × 5 = 5; 11 × 5 = 55; 21 × 5 = 105

Ehleketa khwatsi! Aka ehenhla ka leswi u swi tivaka!

1	2	3	4	5	6	7	8	9	10
5	10								
11	12	13	14	15	16	17	18	19	20
55									

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



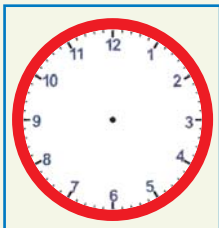
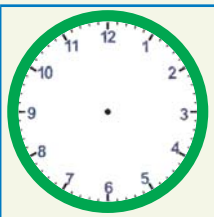
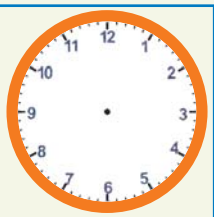
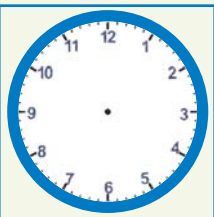
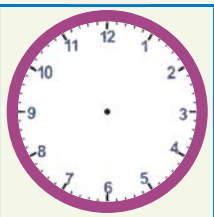
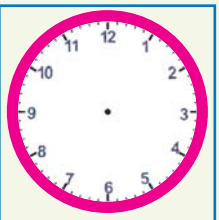
Siku: _____

Ku tirha hi nkarhi



Dirowa mikarhi



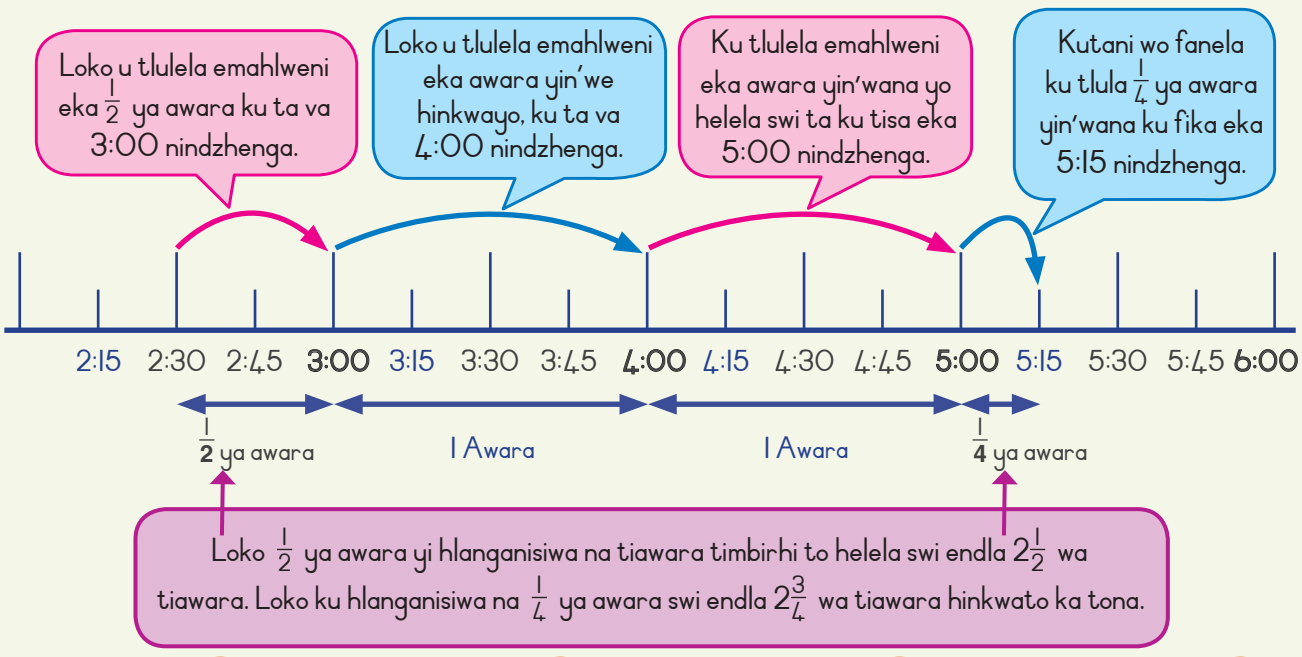
					
Hafu ku bile awara ya 5	Kotara ku ya eka awara ya khumen'we	Kotara ku bile awara ya 12	12:45	6:15	4:30



Xiphiqo xa nkarhi

Mana wa Nomsa u suka ekaya hi 2:30 nindzhenga. U vuya hi 5:15 nindzhenga. Xana u va a humile nkarhi wo tanihi kwihi?

Hi nga tirhisa nxaxamelo wa mikarhi ku swi tirha. Vekela rintiho ra wena eka 2:30, nkarhi lowu ku nga wona sweswi.



1 2 3 4 5 6 7 8 9 10





Swiphiqo swa nkarhi

Kambisisa. Fananisa. Lulamisa.

Ololoxa xiphiqo xin'wana na xin'wana. Tirhisa mixaxamelo ya mikarhi ku ku pfuna.

a. Sasavona u endzela tata wakwe etliliniki hi 3:45 nindzhenga.
U suka hi 5:15 nindzhenga.
Xana u va a endzile nkarhi wo tanihi kwihi?

_____





b. Musa u ya ephakeni hi 10:45 nimixo.
U vuya ekaya hi 12:30 ninhlikanhi.
Xana u va a fambile nkarhi wo tanihi kwihi?

_____





c. Tumi u sungula ku hlaya hi 1:15 nindzhenga.
U heta hi 2:45 nindzhenga.
Xana Tumi u hlaya nkarhi wo tanihi kwihi?

_____

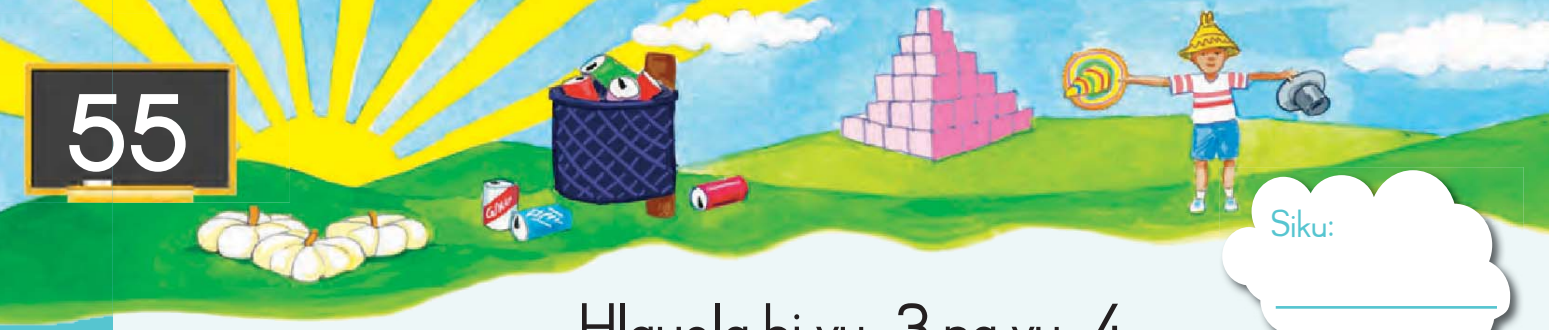








11 12 13 14 15 16 17 18 19 20



Siku: _____

Hlayela hi vu-3 na vu-4



Mapoto ya 3 wa milenge

Hlanganisa kutani u tsala nhlamulo



a. Xana ku na mapoto mangani erixaxeni? _____

b. Xana ku na milenge yingani erixaxeni? _____

c. Xana ku na tinxaxa tingani ya mapoto? _____

d. Xana ku na milenge yingani hinkwayo ka yona? Kombisa leswi u swi tirhiseke xiswona.

Fungha (✓) swivulwa swa tinomboro laha hansi leswi kombisaka ntsengo.

$21 \times 7 =$ ☐ $3 \times 7 \times 3 =$ ☐ $3 \times 4 \times 2 =$ ☐ $21 \times 3 =$ ☐



Xana ku na milenge yingani?

Ehleketa hi xihatla

Ehleketa khwatsi.

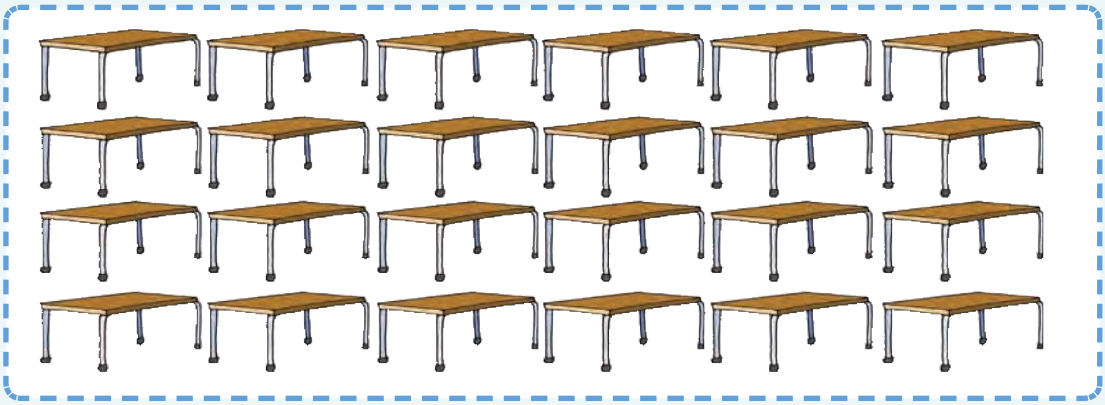
1 poto	3	ya milenge	10 wa mapoto		ya milenge	5 wa mapoto		ya milenge
2 wa mapoto		ya milenge	15 wa mapoto		ya milenge	12 wa mapoto		ya milenge
5 wa mapoto		ya milenge	13 wa mapoto		ya milenge	14 wa mapoto		ya milenge

1 2 3 4 5 6 7 8 9 10





Milenge ya matafula



a. Xana ku na matafula mangani erixaxeni? _____

b. Xana ku na milenge yingani erixaxeni? _____

c. Xana ku na tinxaxa ta matafula tingani? _____

d. Xana ku na milenge yingani hinkwayo ka yona? Kombisa leswi u swi tirhiseke xiswona.



Efemeni



Muvatli u endla matafula. U sungula hi ku endla milenge.

U endlile 48 ku fikela sweswi. Xana a nga kota ku endla matafula mangani?

Xana ku laveka milenge yin'wana yingani leswaku a ta kota ku endla tafula rin'wana?



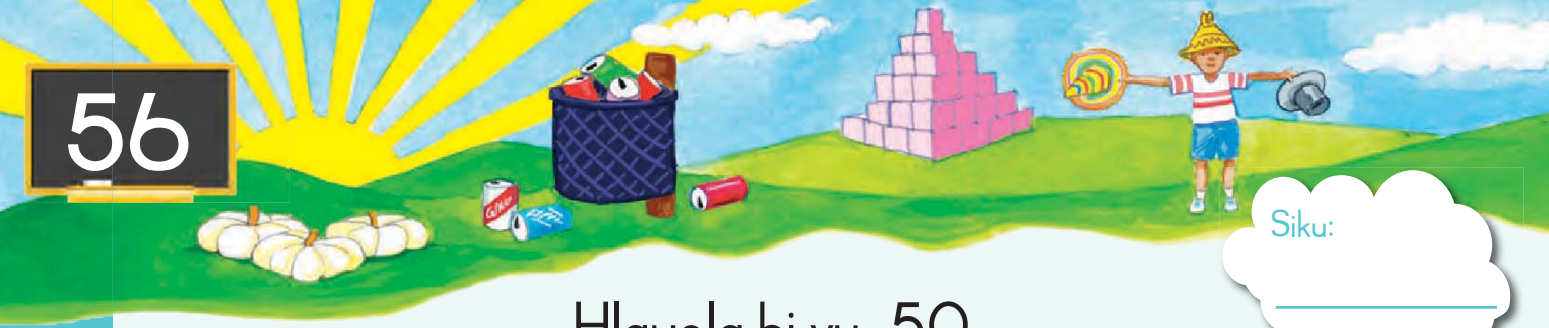
Hetisa giridi hi ku tata tinhlamulo

	2	3	4	5	8	10	11	12
× 3	6							
× 4	8							

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



Siku: _____

Hlayela hi vu-50



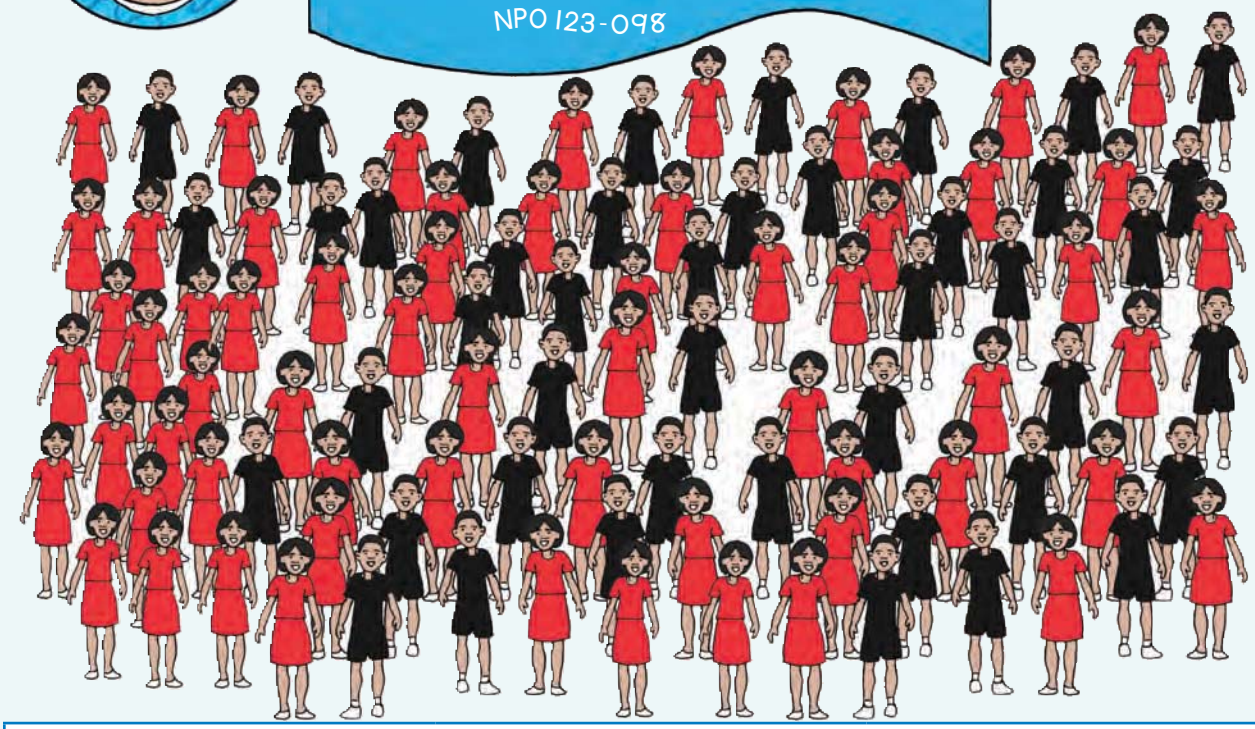
N'wana un'we, nkumba wun'we!

Xana ku na vana vangani? Pimanyisa, kutani u hlayela.









Vana hinkwavo exifanisweni va amukela nkumba.
Xana ku na vana vangani? ____

Pimanyisa	Hlayela	Fananisa

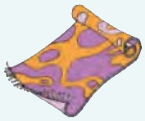
Xana ku na vafana vangani ☺? ____ Xana ku na vanhwanyana vangani ☺? ____



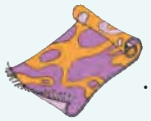
1 2 3 4 5 6 7 8 9 10



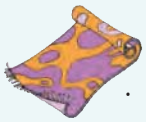
Xana va hakela mali mini?

Gwazi  u xava 2 ya .

U hakela R

Manana Chauke  u xava 5 ya .

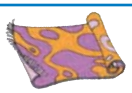
U hakela R

Mavhengele ya Thembi  ya xava 20 ya .

Va hakela R

Nyikela sweswi!
R50 ya nkumba wu 1



5  ya R50 = R250	10  ya R50 = R500
4  ya R50 = R____	15  ya R50 = R____
3  ya R50 = R____	6  ya R50 = R____
7  ya R50 = R____	12  ya R50 = R____
8  ya R50 = R____	9  ya R50 = R____



Xana swi ta teka nkarhi wo tanihi kwihi? Tirhisa khalendara

Tlilasi ya giredi ya 3 yi hlengeleta mali ku kota ku xava 4 ya mikumba.
Va hlengeleta R5 hi siku ku ringana 5 wa masiku ya vhiki.
Va sungula hi Musumbhunuku wo sungula wa Nyenyankulu.



Xana i siku rihi ra Nyenyankulu leri va nga ta tikuma va ri na mali leyi lavekaka?

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

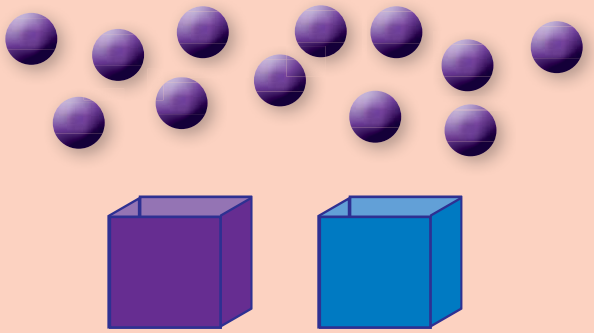


Siku: _____

Swiphemu: Tihafu na tikotara



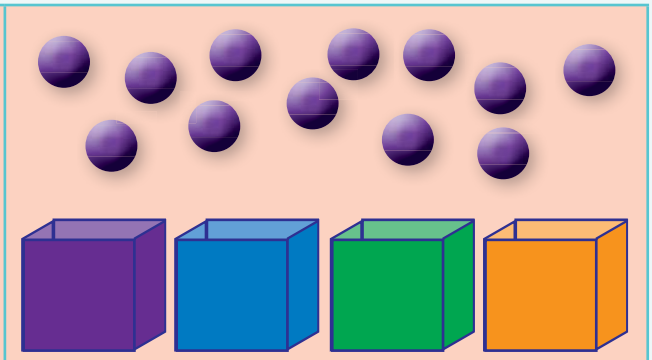
Avanyisa tibolo hi ku ringana exikarhi ka mabokisi.



Xana ku na tibolo tingani eka bokisi rin'wana na rin'wana? ☐

Xana ku na tibolo tingani ebokisini ra xivunguvungu? ☐

I xiphemu muni lexi nga ebokisini ra xivunguvungu? ☐



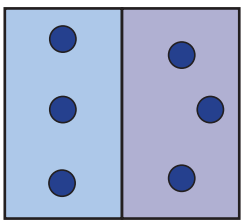
Xana ku na tibolo tingani eka bokisi rin'wana na rin'wana? ☐

Xana ku na tibolo tingani ebokisini ra xivunguvungu? ☐

I xiphemu muni lexi nga ebokisini ra xivunguvungu? ☐

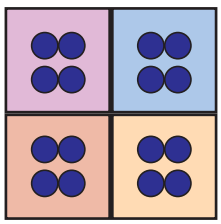


Languta swifaniso kutani u hlamula swivutiso.



Xana u hlayele swirhendzevutana swingani? ☐

Xana $\frac{1}{2}$ ya swirhendzevutana i yini? ☐



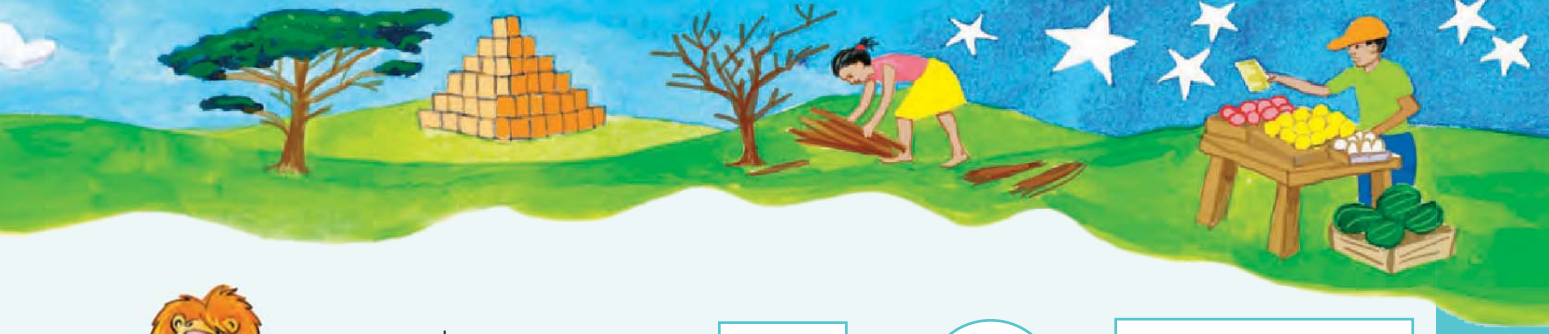
Xana u hlayele swirhendzevutana swingani? ☐

Xana $\frac{1}{4}$ ya swirhendzevutana i yini? ☐

Xana $\frac{2}{4}$ ya swirhendzevutana i yini? ☐

Xana $\frac{3}{4}$ ya swirhendzevutana i yini? ☐

Xana $\frac{4}{4}$ ya swirhendzevutana i yini? ☐





Khalara $\frac{1}{2}$ ya xivumbeko xin'wana na xin'wana.

Khalara $\frac{1}{4}$ ya xivumbeko xin'wana na xin'wana.

Khalara $\frac{2}{4}$ ya xivumbeko xin'wana na xin'wana.

Khalara $\frac{3}{4}$ ya xivumbeko xin'wana na xin'wana.



Xiya switiripi swa swiphemu.

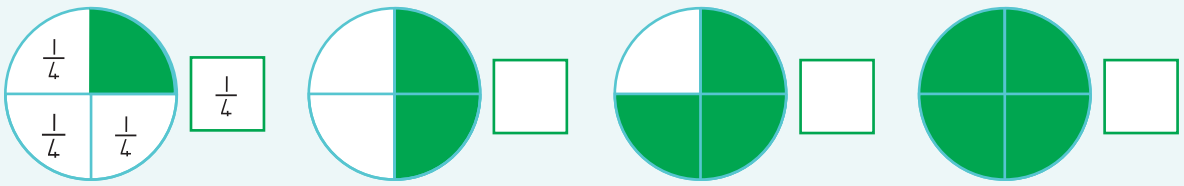
1 xiheri	
$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{4}$ $\frac{1}{4}$	$\frac{1}{4}$ $\frac{1}{4}$

a. Xana i tihafu ($\frac{1}{2}$) tingani leti vumbaka xiheri xin'we? ☐

Xana i tikotara ($\frac{1}{4}$) tingani leti vumbaka xiheri xin'we? ☐

Xana i tikorata ($\frac{1}{4}$) tingani leti vumbaka hafu yin'we? ☐

b. Languta tidayigiramu kutani u tsala xiphemu xa xiyenge lexi dzwihatiweke



c. Hi xihi xiphemu lexi nga lexikulu, $\frac{1}{2}$ kumbe $\frac{1}{4}$? ☐

Teacher:
Sign:
Date:



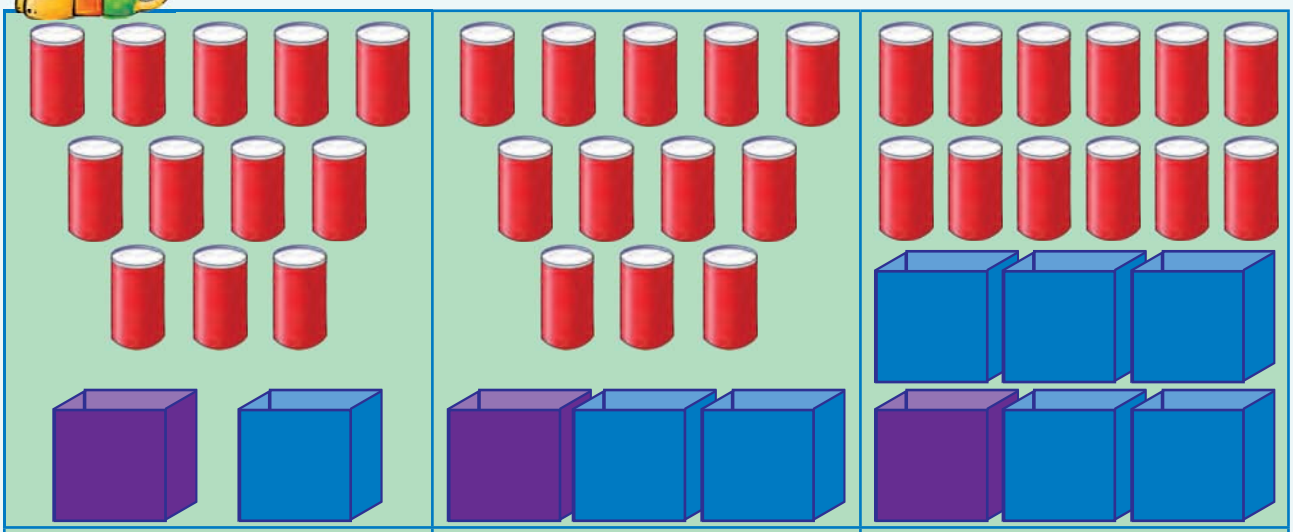


Siku: _____

Swiphemu: Tihafu, xa nharhu na xa ntsevu



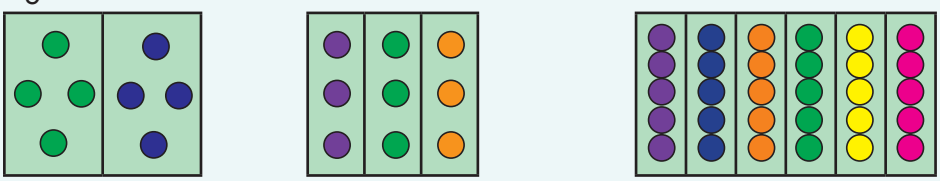
Avanyisa swithinana (tisilindara) hi ku ringana exikarhi ka mabokisi.



Ntsengo wa tibolo:	12		
Xana ku na tibolo tingani ebokisini ra xivunguvungu?	6		
I xiphemu muni lexi nga ebokisini ra xivunguvungu?	$\frac{1}{2}$		



Languta swifaniso kutani u hlamula swivutiso.



Xana u hlayele swirhendzevutana swingani?

Xana $\frac{1}{2}$ ya swirhendzevutana i yini? ☐

Xana $\frac{1}{3}$ ya swirhendzevutana i yini? ☐

Xana $\frac{2}{3}$ ya swirhendzevutana i yini? ☐

Xana $\frac{3}{3}$ ya swirhendzevutana i yini? ☐

Xana $\frac{1}{6}$ ya swirhendzevutana i yini? ☐

Xana $\frac{2}{6}$ ya swirhendzevutana i yini? ☐

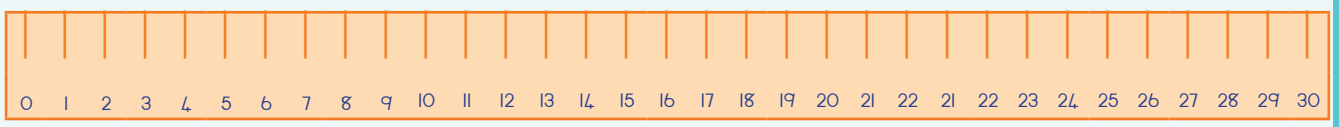
Xana $\frac{3}{6}$ ya swirhendzevutana i yini? ☐

Xana $\frac{4}{6}$ ya swirhendzevutana i yini? ☐

Xana $\frac{5}{6}$ ya swirhendzevutana i yini? ☐







Kombisa hafu yin'we erhuleni. Leswi swi ringana na _____ cm.
Kombisa n'we-xa-nharhu erhuleni. Leswi swi ringana na o _____ cm.
Kombisa n'we-xa-ntsevu erhuleni. Leswi swi ringana na _____ cm.



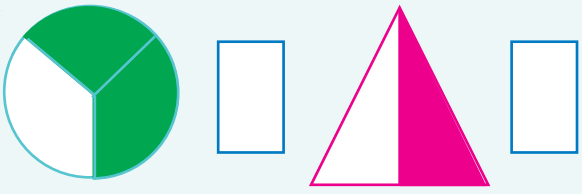
Languta switiripi swa swiphemu. Hetisa swivulwa.

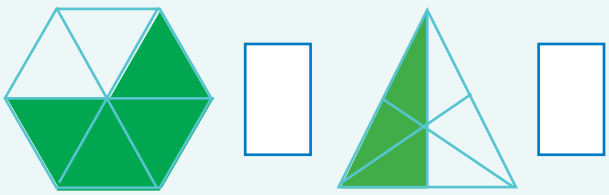
1 xiheri		
$\frac{1}{2}$	$\frac{1}{2}$	
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$

Ku na ___ wa tihafu eka xiheri.
Ku na ___ wa xa nharhu eka xiheri.
Ku na ___ wa xa ntsevu eka xiheri.
Ku na ___ wa xa ntsevu eka hafu .
Ku na ___ wa tihafu eka xiheri.



Tsala xiphemu xa xiyenge lexi dzwihatiweke.





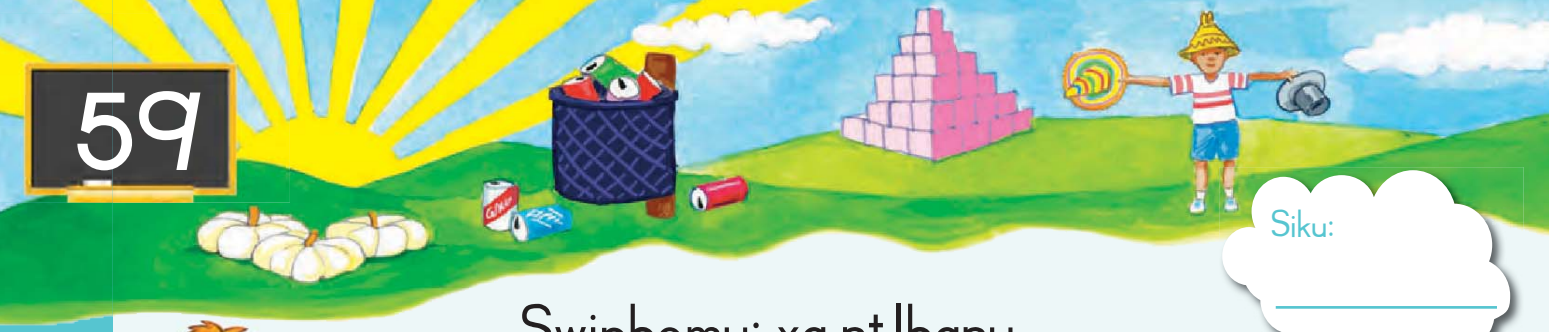
Bana xirhendzevutana eka xiphemu lexikulunyana.

$\frac{1}{2}$ $\frac{1}{3}$
$\frac{1}{2}$ $\frac{1}{6}$
$\frac{1}{2}$ $\frac{2}{6}$

Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20

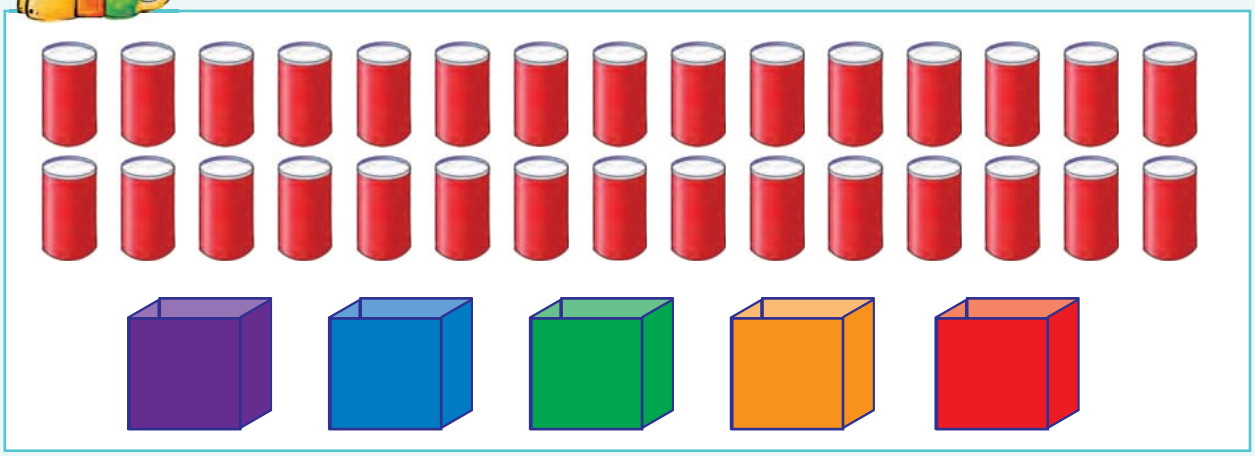


Siku: _____

Swiphemu: xa ntlhanu



Avanyisa swithinana eka 5 wa mabokisi.



Eka $\frac{1}{5}$ ya mabokisi ku na [6] wa swithinana.

Eka $\frac{2}{5}$ ya mabokisi ku na [ ] wa swithinana.

Eka $\frac{3}{5}$ ya mabokisi ku na [ ] wa swithinana.

Eka $\frac{4}{5}$ ya mabokisi ku na [ ] wa swithinana.

Eka $\frac{5}{5}$ ya mabokisi ku na [ ] wa swithinana.



Languta swifaniso kutani u hlamula swivutiso.

Xana ku na tichokoleti tingani ebokisini? [ ]



$\frac{1}{5}$ ya tichokoleti yi ringana na [ ]

$\frac{2}{5}$ ya tichokoleti yi ringana na [ ]

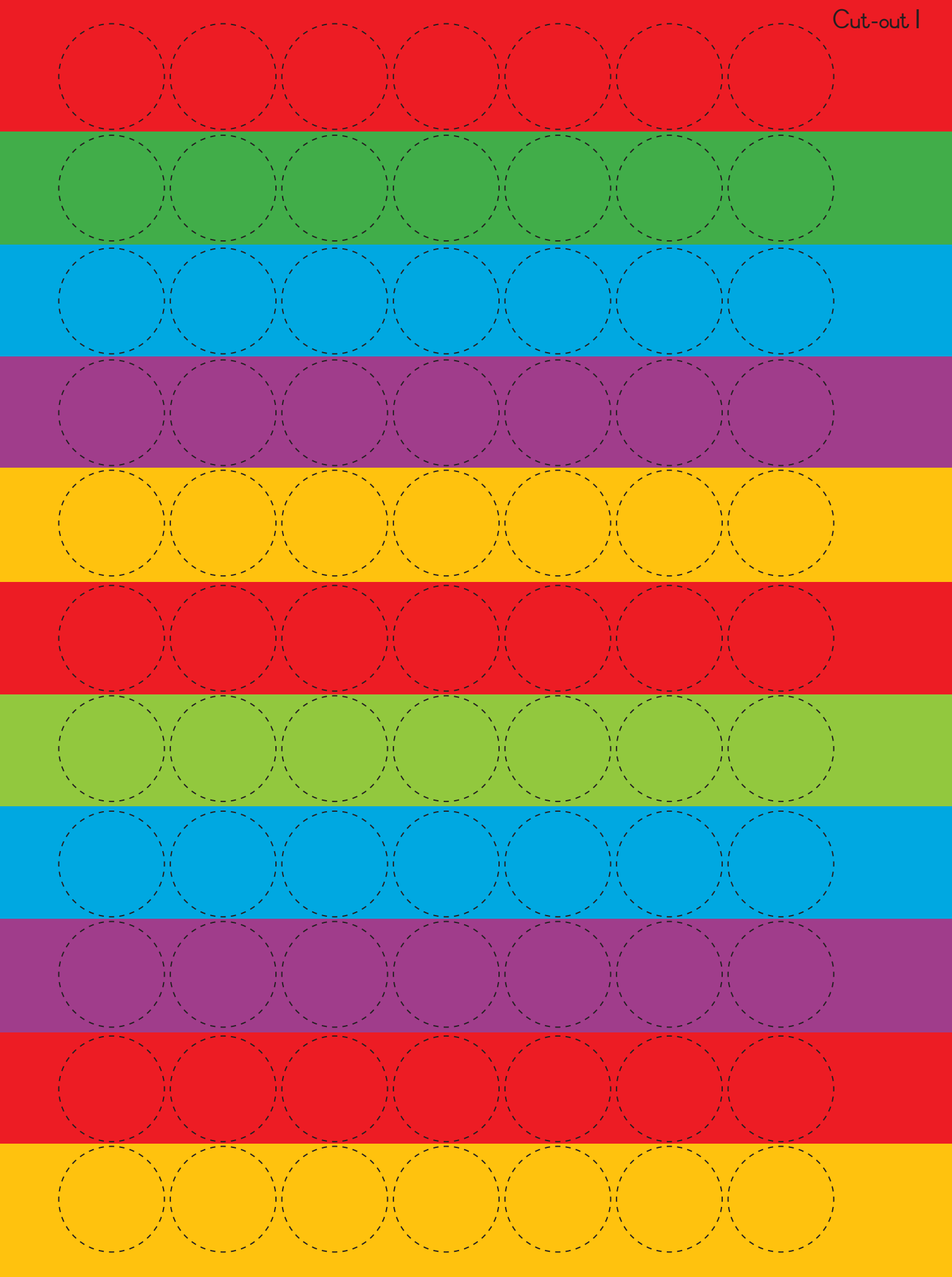
$\frac{3}{5}$ ya tichokoleti yi ringana na [ ]

$\frac{4}{5}$ ya tichokoleti yi ringana na [ ]

$\frac{5}{5}$ ya tichokoleti yi ringana na [ ]

Hi siku ra I ndzi dyile $\frac{1}{5}$ ya tichokoleti. Xana ku sale tichokoleti tingani? [ ]

Hi siku ra 2 ndzi dyile $\frac{1}{5}$ ya tichokoleti. Xana ku sale tichokoleti tingani? [ ]


Cut-out 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210

Giredi ya 3

Rainbow WORKBOOKS

Matematiki

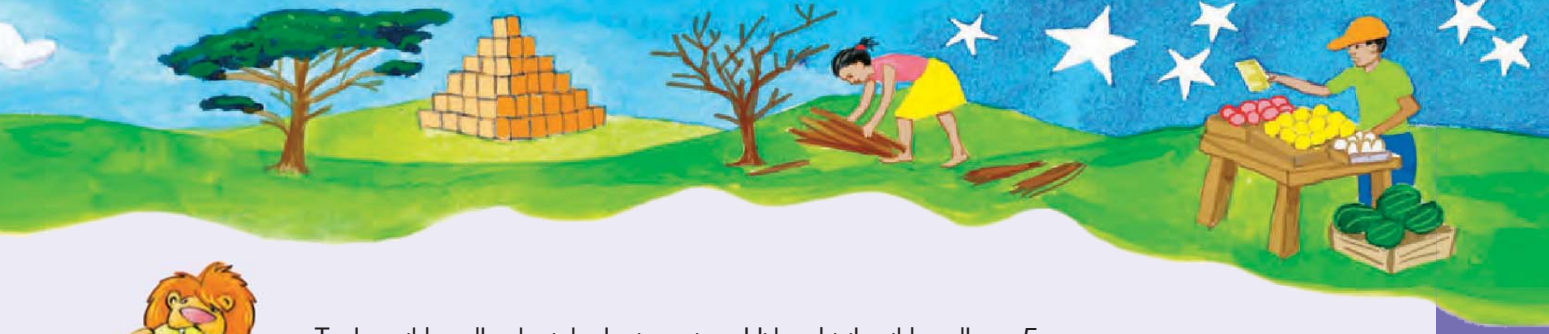
Buku leyi i ya:

_____



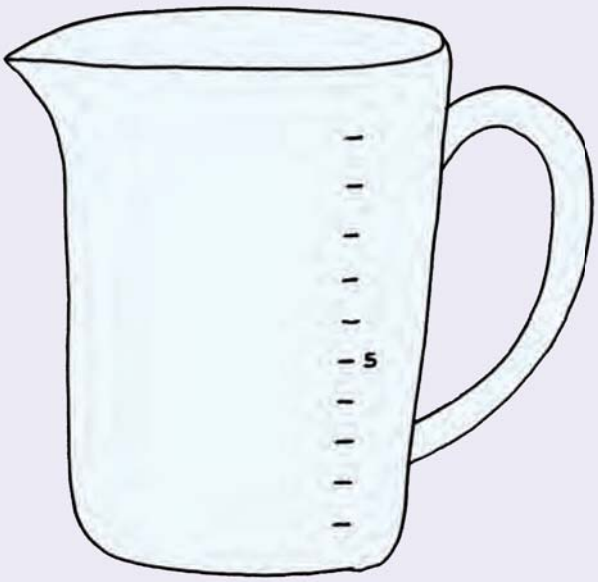
XITSONGA

Buku ya 1





Tsala swikhandlu eka jeke leyi yo pima. Hi kombisile xikhandlu xa 5.
Tata swikhandlu swin'wana ejekeni.



Loko khapu yin'we yi tata jeke ku fika eka xikhandlu xa vumbirhi, xana u fanele ku kuma tikhapu tingani leswaku u kota ku tata jeke ku fika eka:

a. 4 _____

b. 6 _____

c. 8 _____

d. 10 _____



Gwabisa swibye swo chela leswi khomaka 1 litara ya swihalaki.













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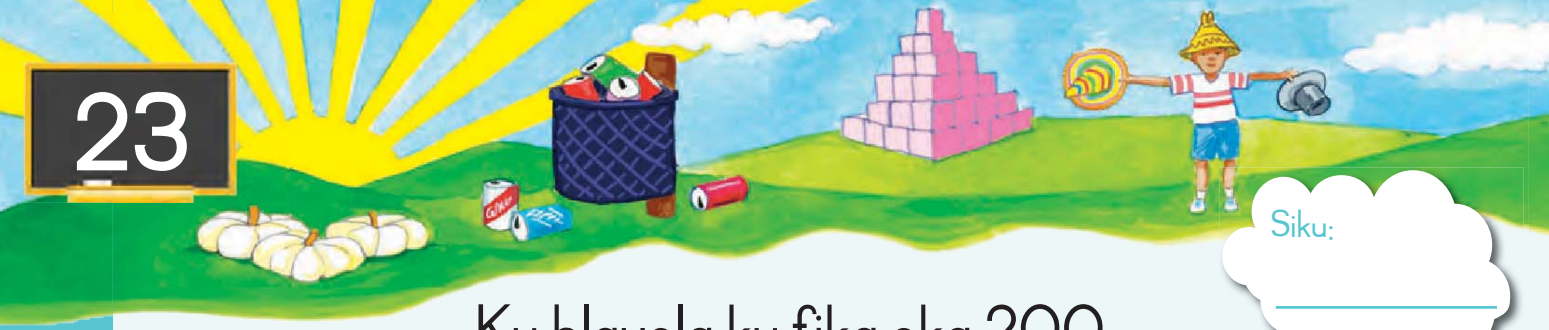
Date:





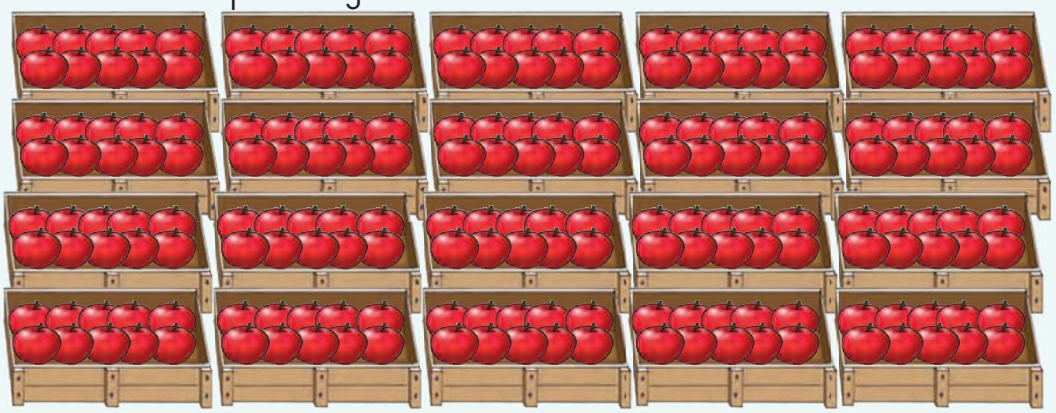
23

Siku:

Ku hlayela ku fika eka 200



Xana u vona maapula mangani?



Tata tinomboro

Bokisi ri na ____ wa maapula

Rixaxa ri na ____ wa mabokisi

Rixaxa ri na ____ wa maapula

Tinxaxa ta 4 ti na ____ wa maapula



Xana hi nga paka maapula mangani eka mabokisi lama?

a.  ____

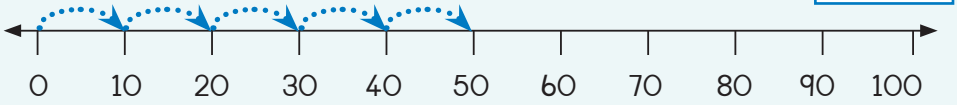
b.  ____

c.  ____

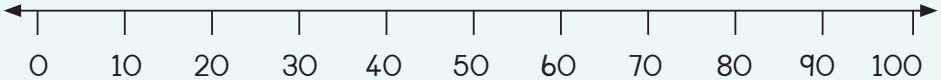


Hlayela eka ndzhati wa mitsengo.

a. Xana ku ta va na maapula mangani eka mabokisi ya ntlhanu? ____



b. Xana ku ta va na maapula mangani eka mabokisi ya nkombo? ____





1 2 3 4 5 6 7 8 9 10

28

Siku: _____

Xana i yini xi taka hi vu-4?



Milenge ya mune

Mintiyiso yin'wana ya nomboro ya 4...
4 + 4 = 8; 2 × 4 = 8



Milenge ya homu yi ta hi vu-4.

Xana i yini xin'wana xi taka hi vumune? _____



Hlayela milenge

Byelanani tinhlamulo.
Hlamusela leswi u swi endleke.

Tirhisa leswi u swi tivaka mayelana na vu-4 ku hlamula swivutiso leswi.

1 homu  4 wa milenge	2 wa tihomu  8 wa milenge
3 wa tihomu  ____ wa milenge	4 wa tihomu  ____ wa milenge
5 wa tihomu  ____ wa milenge	6 wa tihomu  ____ wa milenge
7 wa tihomu  ____ wa milenge	8 wa tihomu  ____ wa milenge
9 wa tihomu  ____ wa milenge	10 wa tihomu  ____ wa milenge

1 2 3 4 5 6 7 8 9 10



Siku: _____

Rendzo ro ya eka n'anga ya meno



Ntlawa wa vana wu endzela n'anga ya meno.



Leswi vana va yi byelaka swona hi leswi.  = 1

	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓								

a. Hlayela mifungho ya (✓) leyi kombisaka leswaku vana va buracha meno ya vona kangani. Tsala tinomboro.

 Kan'we hi siku	
 Kambirhi hi siku	
 Kanharhu hi siku	

b. Xana u nga vula yini?

Vana vo tala va buracha meno _____ hi siku.
Ku na _____ wa vana entlaweni.

1 2 3 4 5 6 7 8 9 10

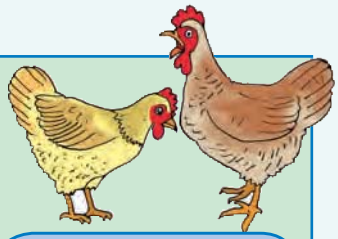




Ku titoloveta ko engetela



Ku na 69 wa swihukwana exihahlwini xin'we na 95 eka xin'wana.
Xana ku na tihuku tingani hinkwato ka tona?
Hlaya hilaha Jabu na Thembi va ololoxaka hakona xiphiqo.



Maendlele ya Jabu

$60 + 90 + 9 + 5$
$= 100 + 50 + 14$
$= 150 + 10 + 4$
$= 164$

Maendlele ya Aakar

$69 + 95$
$= 70 + 95 - 1$
$= 70 + 90 + 5 - 1$
$= 160 + 4$
$= 164$



a. Vafana va hlengeleta R96 ya rendzo ra tlilasi. Vanhwanyana va hlengeleta R79. Xana va hlengeletile mali muni hinkwayo ka yona?

Tirhisa maendlele ya Jabu	Tirhisa maendlele ya Aakar

b. Xikolo xin'we xi hlengeleta 76 kg ta swikotela. Xikolo xin'wana xi hlengeleta swikotela swa 68 kg. Xana i tikg tingani ta swikotela leti swikolo leswimbirhi swi ti hlengeleteke hinkwato ka tona?

Tirhisa maendlele ya Jabu ku kambisisa.	Tirhisa maendlele ya Aakar

Teacher:
Sign:
Date:



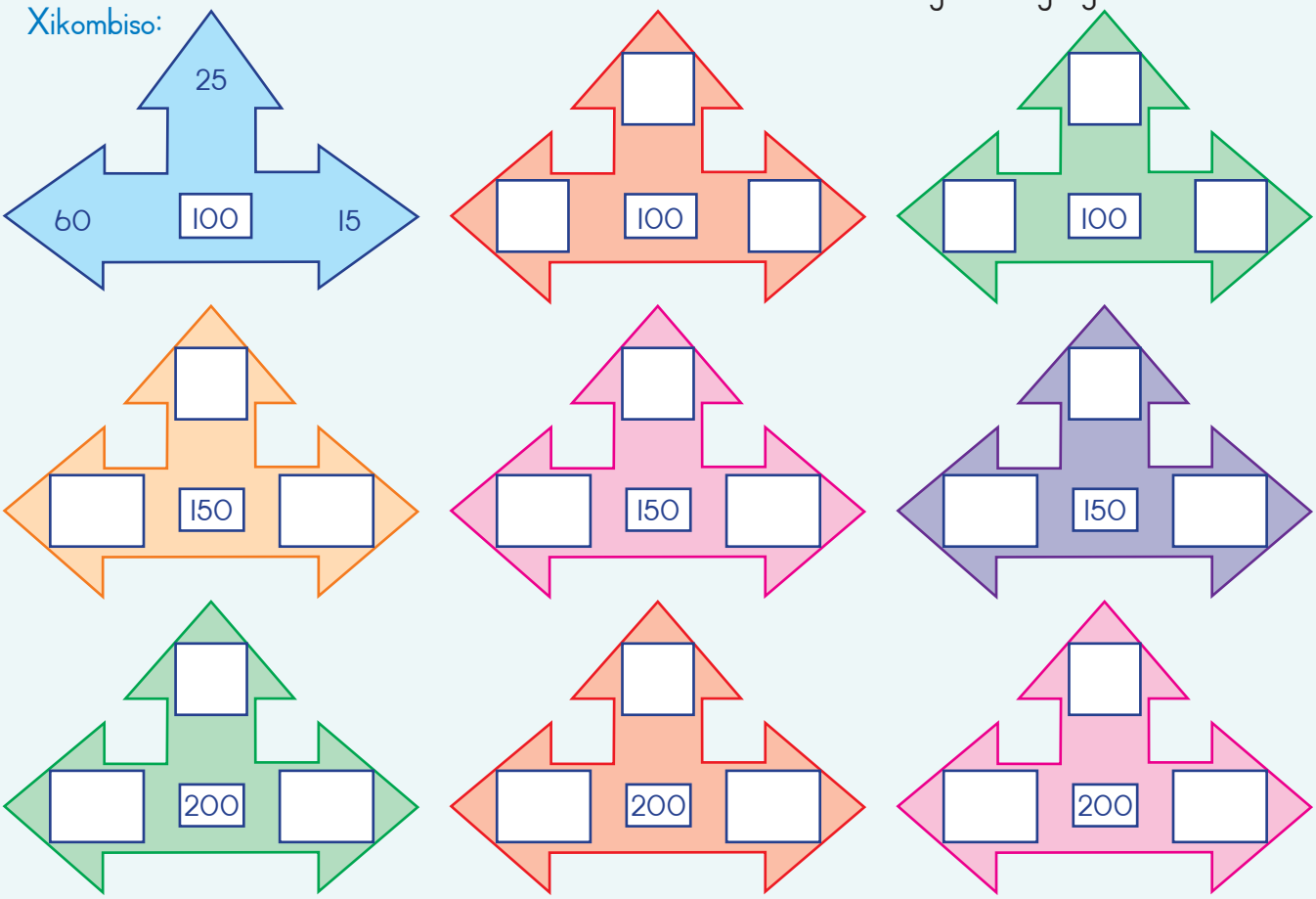




Mindyangu ya nharhu

Kuma 3 wa tinomboro leti hlanganaka ku va nomboro leyi faneleke ku fikeleriwa.
Kambe u fanele ku landzelela nawu wa leswaku i nomboro yin'we leyi nga helaka hi 0.

Xikombiso:





Ku hundza hi 50 no kayivela hi 50

Tsala tinhlamulo eka rixaxa ra vumbirhi.

+50	70	125	150	81	96	122	134	111	70
	120								

−50	186	200	158	179	139	79	126	138	99
	136								

Teacher:
Sign:
Date:

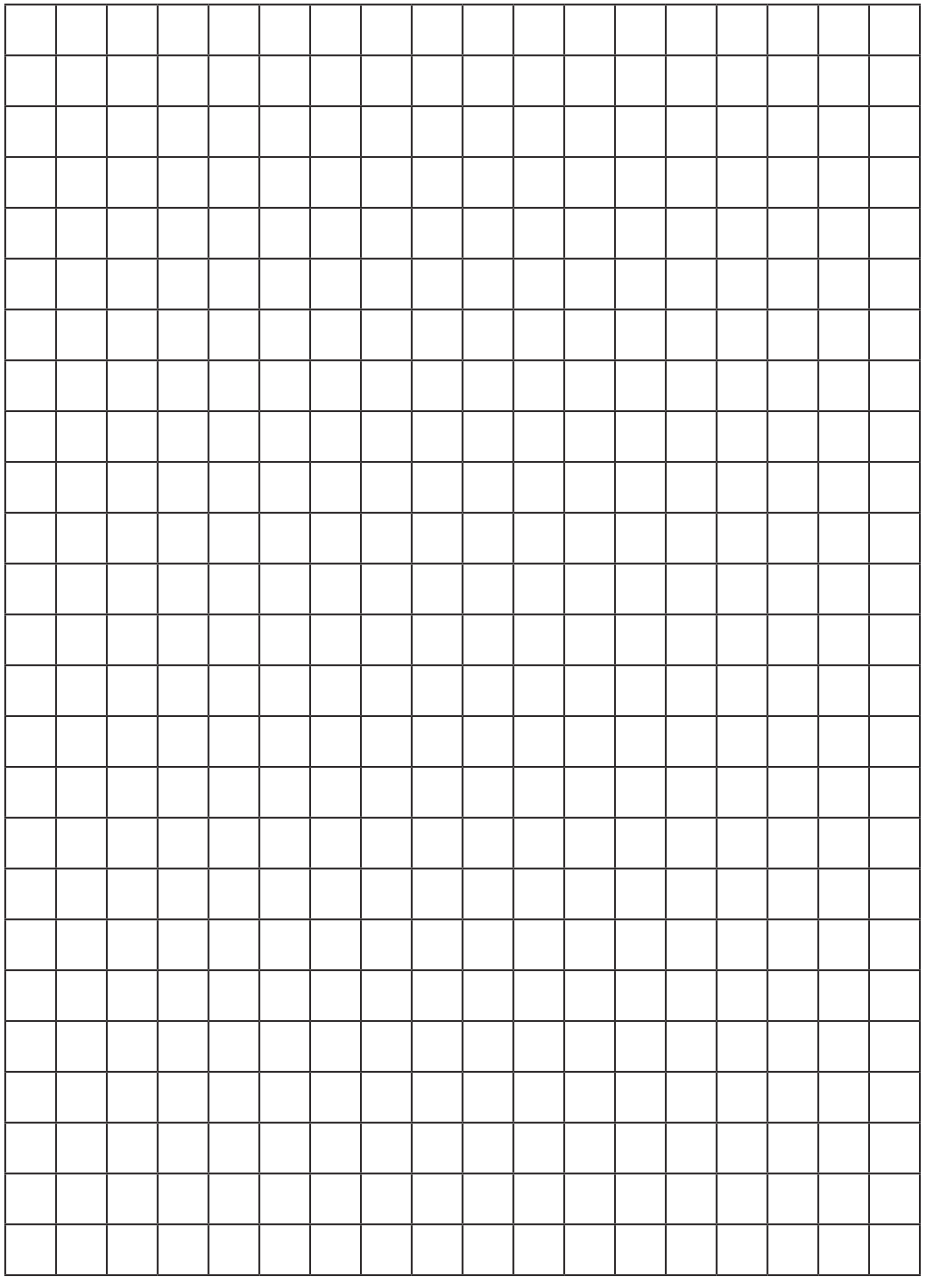


11 12 13 14 15 16 17 18 19 20

Cut-out 3

1	1	0	1	0	0
2	2	0	2	0	0
3	3	0	3	0	0
4	4	0	4	0	0
5	5	0	5	0	0
6	6	0	6	0	0
7	7	0	7	0	0
8	8	0	8	0	0
9	9	0	9	0	0

Cut-out 4



1	0	0	1	0	1
2	0	0	2	0	2
3	0	0	3	0	3
4	0	0	4	0	4
5	0	0	5	0	5
6	0	0	6	0	6
7	0	0	7	0	7
8	0	0	8	0	8
9	0	0	9	0	9

Cut-out 5

