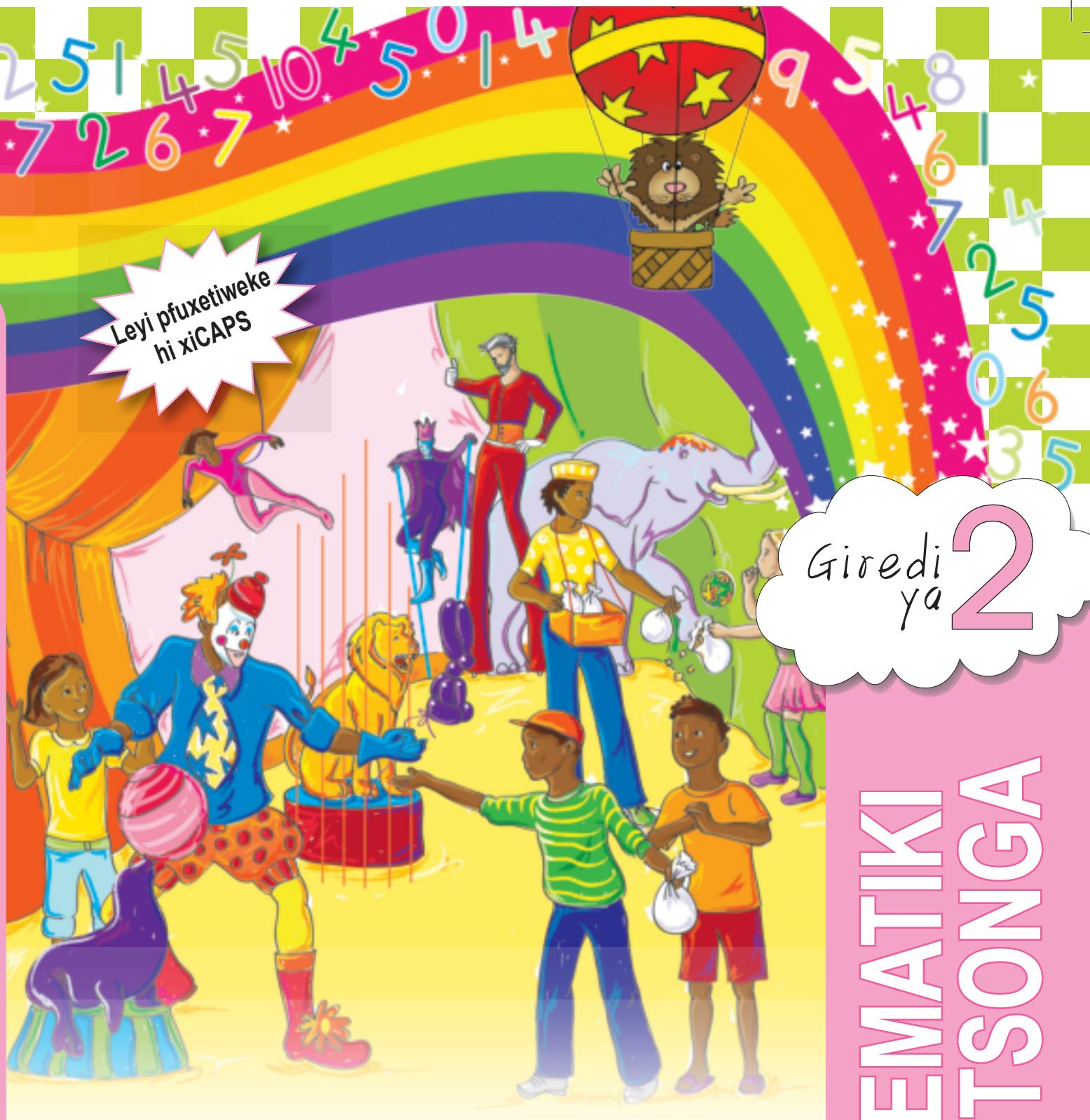


2

MATHEMATIKI HI XITSONGA

Buku ya 2
Tikotara ta
3 & 4



MATHEMATIKI HI XITSONGA – Giredi ya 2 Buku ya 2

ISBN 978-1-4315-0146-5



basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

Vito:

Tlilasi:



Ku dyondza hi Vumbiwa ra Riphabiliki ra Afrika-Dzonga (1996)

Vumbiwa ra Afrika-Dzonga (1996) ri na milawu ya le henhlā ya tiko. Milawu leyi yi le henhlā ku tlula na puresidente, yi le henhlā ku tlula tihuvo na ku tlula mfumo.

Yi hlamusela ndlela leyi vanhu va tiko va faneleke ku khomana hiyona, timfanelo na vutihlamuleri bya vona eka vanhu van'wana. Vumbiwa ra Tiko ri kona leswaku ri kota ku sirhelela hinkwerhu ka hina sweswi na vana va hina eka minkarhi leyi taka.

Lemuka matimu ya hina.

Hi nga vu yeleti swihoxo swa nkarhi lowu nga hundza.

Vumbiwa ra hina ri hi pfuna ku anakanya no aka vumundzu ku byo antswa bya vanhu hink wavo.

Hina, vanhu va Afrika-Dzonga,

Hi lemuka ku kala vululami ka nkarhi lowu hundzeke evuton'wini bya hina;

Hi xixima lava va xanisekeke hikwalaho ko hisekela vululami na ntshunxeko etikweni rerhu;

Hi hlonipha lava va tirheke ku aka no hluvukisa tiko ra hina; naswona Hi tshemba leswaku Afrika-Dzonga i ra hinkwavo lava tshamaka eka rona, hi hlanganile hi ku hambana-hambana ka hina.

Kutani, hi ku tirhisa vayimeri va hina lava hi tihlawuleleke vona hi ntshunxekile, hi amukela Vumbiwa leri tanahi nauw lowu kulukumba wa Riphabiliki ku endlela—

Ku lulamisa ku hambanisiwa ka nkarhi lowu hundzeke no vumba rixaka leri simekiweke ehenhlā ka masungulo ya swipimelo swa xidemokhirasi, vululami exikarhi ka vanhu na timfanelo ta ximunhu ta masungulo;

Ku simeka masungulo ya rixaka ra xidemokhirasi leri vekaza swilo erivaleni laha eka rona mfumo wu simekiweke ehenhlā ka ku navela ka vanhu naswona vaakatiko hinkwavo va sirheleriwile hi ku ringana hi nauw;

Ku antswisa xiymo xa vutomi bya vaaka-tiko hinkwavo no humesela erivaleni vuswikutu bya munhu un'wana na un'wana na;

Ku aka Afrika-Dzonga leri vumbanke ra xidemokhirasi leri ri kotaka ku teka vutshamo bya rona lebyi faneleke tanahi tiko leri tiyimeleke endyangwini wa tinxaka.

Lava timfanelo ta wena tanahi Muafrika-Dzonga u tlhela u va na vutihlamule ri byo sirhelela timfanelo ta vanhu van'wana.

Tiva Nawumbisi wa timfanelo ta wena & Nawumbisi wa Vutihlamule ri.

Xikwembu a xi sirhelele vanhu va hina.

Nkosi Sikele' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

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MATHEMATICS IN XITSONGA

GRADE 2 – BOOK 2

TERMS 3 & 4

ISBN 978-1-4315-0146-5

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7th Edition

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2

3

4

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Manana Angie
Motshikga, 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 a vurhangeri bya Holobye wa Dyondzo ya Masungulo. Manana Angie Motshikga na Xandla xa Holobye wa Dyondzo ya Masungulo, Nkulukumba Enver Surty.

Tibuku to tirhela ta Rainbow ti vumba xiyenge xin'wana xa ntawa wa migingiriko ya Ndzwawulo 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 Ndzwawulo 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 adyondzi va vona va kota ku hetu kharikhulamu. Hi tiyisise leswaku hi letela mudyondzisi eka nghingiriko wun'wana na wun'wana hi ku katsa mifungho leyi kombisaka leswi mudyondzisi a faneleke ku endla swona.

Hi ni ntshembo wa 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 humeleta, wena na vadyondzi va wena eku tirhiseni tibuku leti to tirhela.



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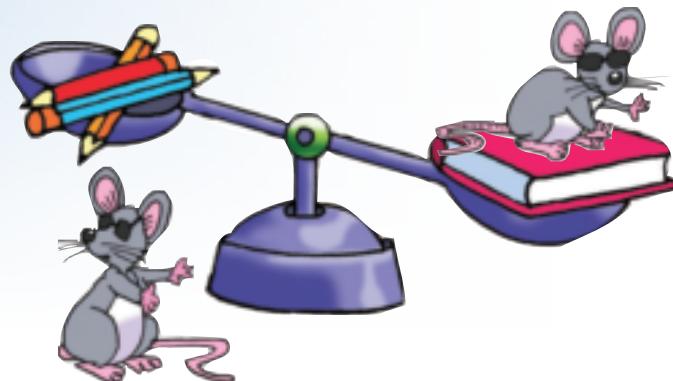
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Giredi 2



M a t e m a t i k i

Buku leyi i ya:



XITSONGA

Buku ya

2

65

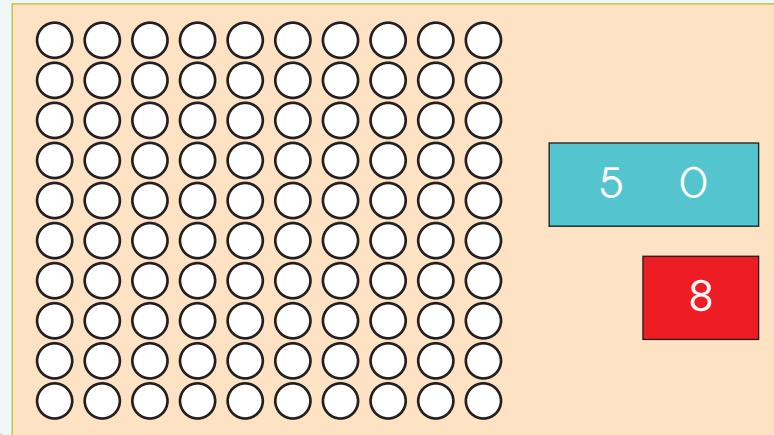


Tinomboro ta 50 – qq

Kotara 3



Khalara 58 wa swirhendzevutana.



Tsala nhlamlulo. Xikombiso xo sungula xi ta ku letela.

$60 + 8 = 68$ 	$80 + 6 =$	$50 + 3 =$
$70 + 1 =$	$90 + 5 =$	$60 + 9 =$



Tsala tinhlamulo ta leswi nga laha henhla hi marito:

makumentsevu nhungu

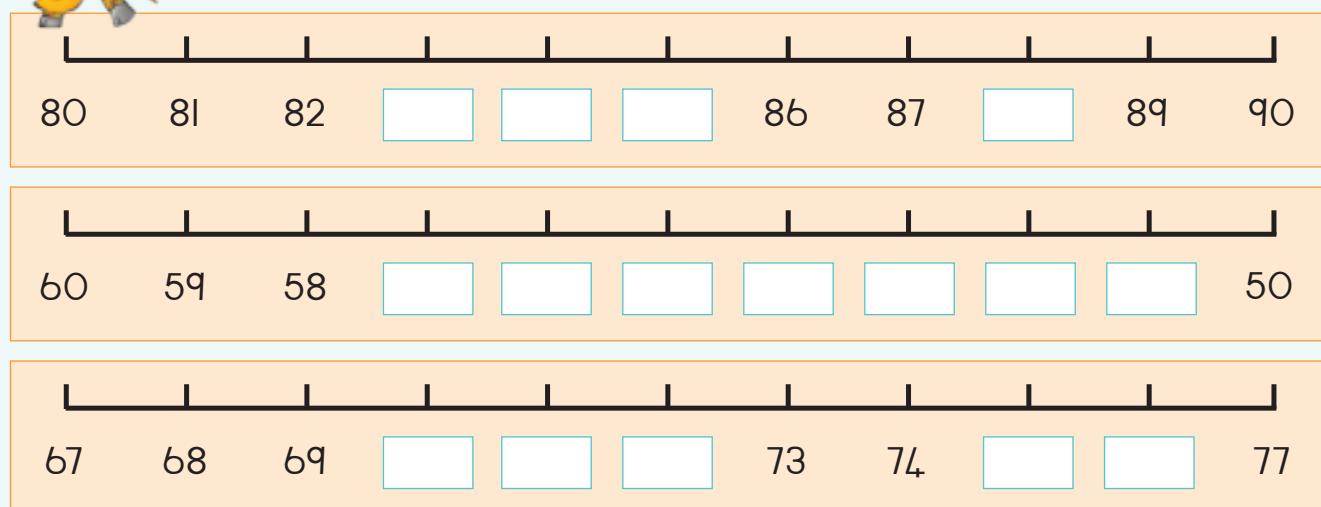


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.

Letitsongo	Nomboro	Letikulu
	55	
	63	
	88	
	95	
	71	



Hetisa mindzhati leyi ya mintsengo.



Tsema tinomboro tinharrhu eka magazini kumbe nyuziphepha leti nga exikarhi ka 50 na 99 kutani u ti damarheta eka xivandla lexi.



Teacher: _____
Sign: _____
Date: _____

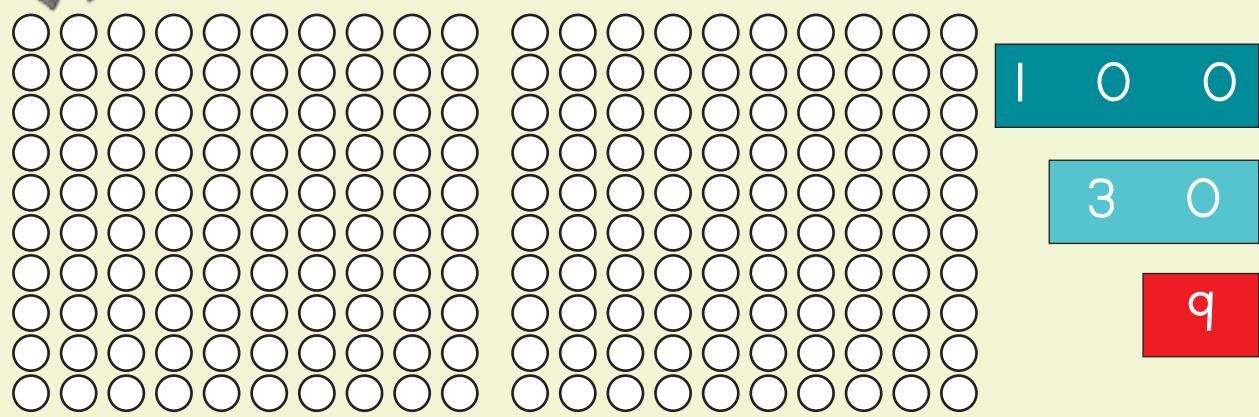
66



Tinomboro ta 100 – 150

Kotara 3

Khalara 139 wa swirhendzeyutana.



Tsala nomboro ya:

$1 \ 0 \ 0$ $2 \ 0$ 8 $= 100 + 20 + 8 = 128$ 	$1 \ 0 \ 0$ $4 \ 0$ q $=$	$1 \ 0 \ 0$ $4 \ 0$ 2 $=$
$1 \ 0 \ 0$ $5 \ 0$ $=$	$1 \ 0 \ 0$ $2 \ 0$ 7 $=$	$1 \ 0 \ 0$ $3 \ 0$ 5 $=$



Hi yihi nomboro leyi nghenaka exikarhi?

103 na 105? _____

139 na 141? _____

120 na 122? _____

150 na 148? _____

146 na 148? _____

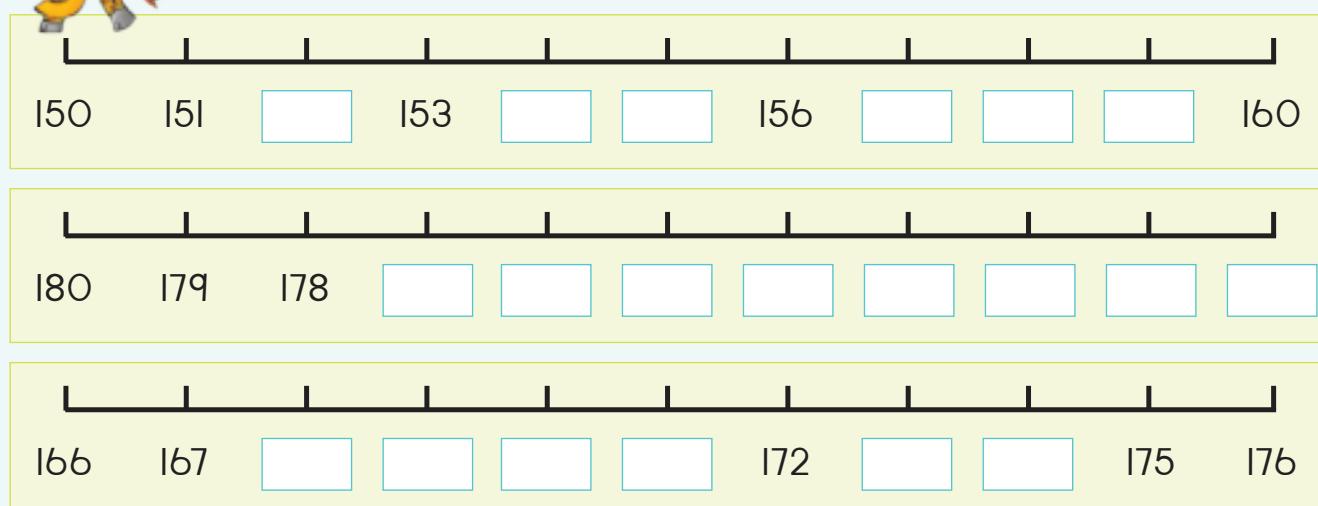


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyji nyikiweke.

Letitsongo	Nomboro	Letikulu
	I23	
	I45	
	I08	
	I41	
	I34	



Hetisa mindzhati ya mintsengo.



Tsema tinomboro tinharu ta le xikarhi ka 100 na 150 eka magazini kumbe phephahungu. Loko u nga ti kumi, tsema tidijiti ku vumba tinomboro tinharu. Ti namarhete hi ndzandzelelano wo suka eka leyitsongo swinene ku ya eka leyikulu swinene.

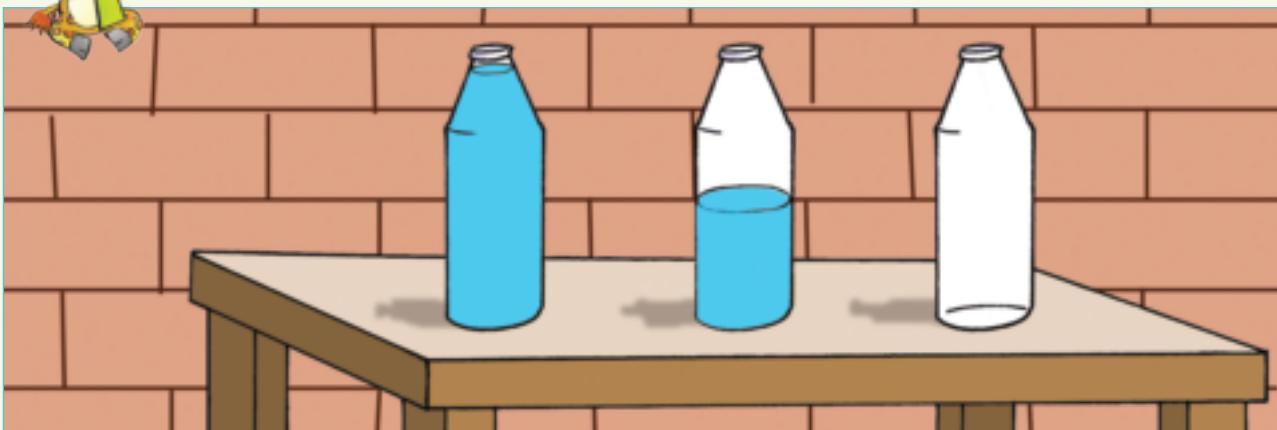


67

Ku tala, hafu na ku va hava nchumu

Kotara 3

Bula hi mabodhlela lawa ya nga eka tafula ra mudyondzisi.

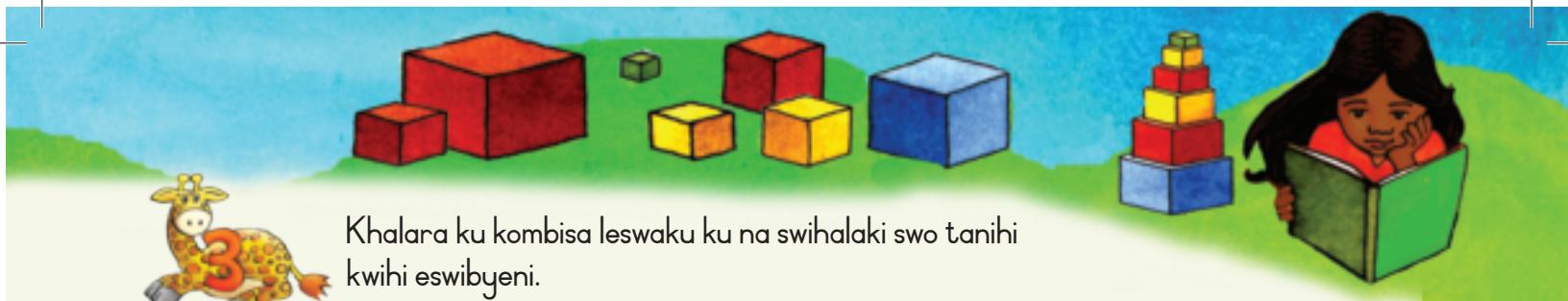


Vula loko xibye xi tele, xi ri hafu kumbe loko xi nga ri na nchumu.



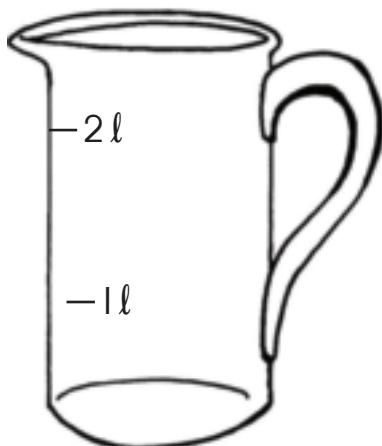
6

1 2 3 4 5 6 7 8 9 10

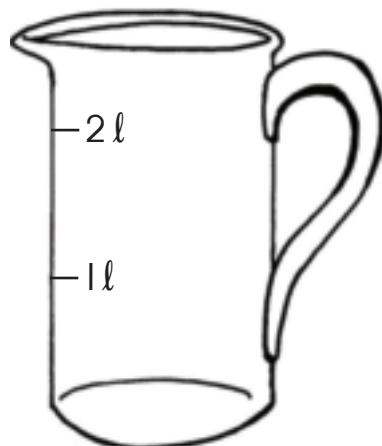


Khalara ku kombisa leswaku ku na swihalaki swo tanihi
kwihi eswibyeni.

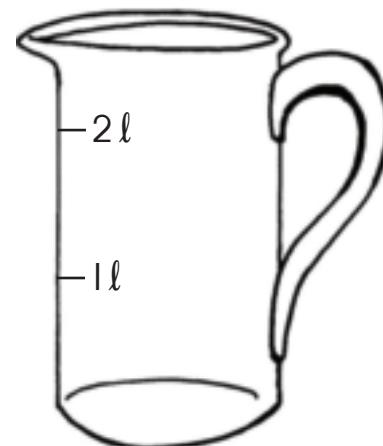
A ku na nchumu.



Ntalo wa le xikarhi.



Xi tele.



Dirowa swibye swa wena. Xibye xin'wana na xin'wana xi nga khoma 4 wa tilitara. Swi
khalare ku kombisa leswaku:

A ku na nchumu.

Ntalo wa le xikarhi.

Xi tele.



Hi xihi xibye lexi khomaka swo
tala ngopfu?



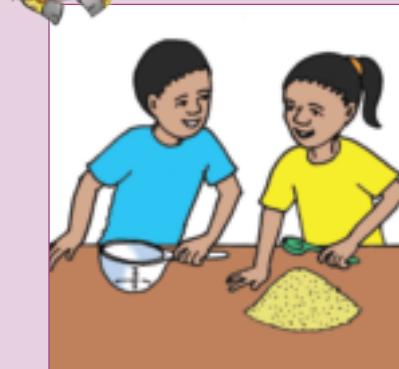
Vuenti byjn'wana

Siku:

Kotara 3

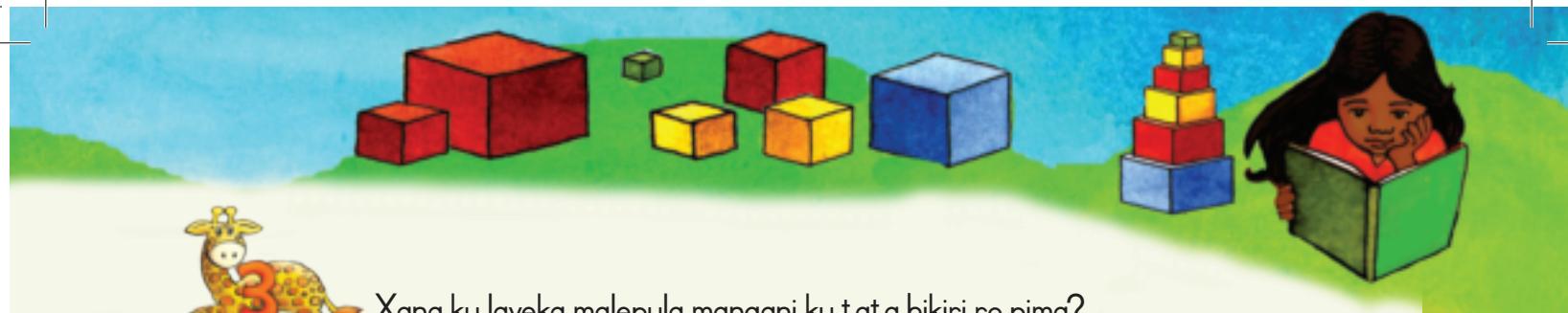


Languta xifaniso. Xana vana va endla yini?

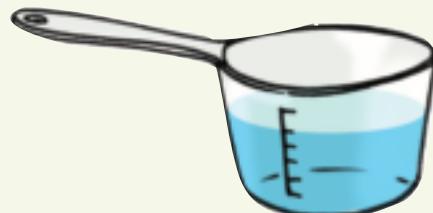


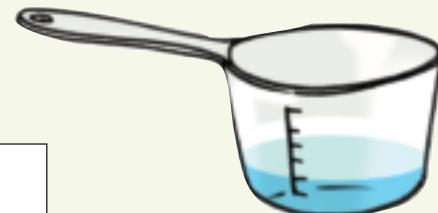
Ku laveka tikhapu ta mati tingani ku tata tijeke leti landzelaka?

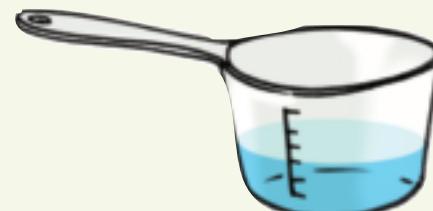




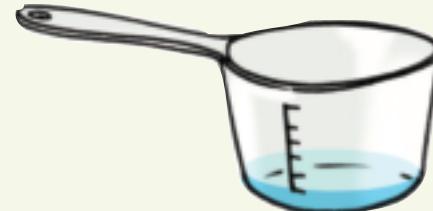
Xana ku laveka malepula mangani ku tata bikiri ro pima?

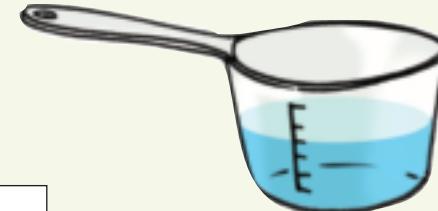














Kokwana u tirhisa 2 wa tikhapu ta masi ku endla phudini. Loko a andzisa rhesipi kambirhi, xana u ta tirhisa masi yo tanahi kwihi?



69

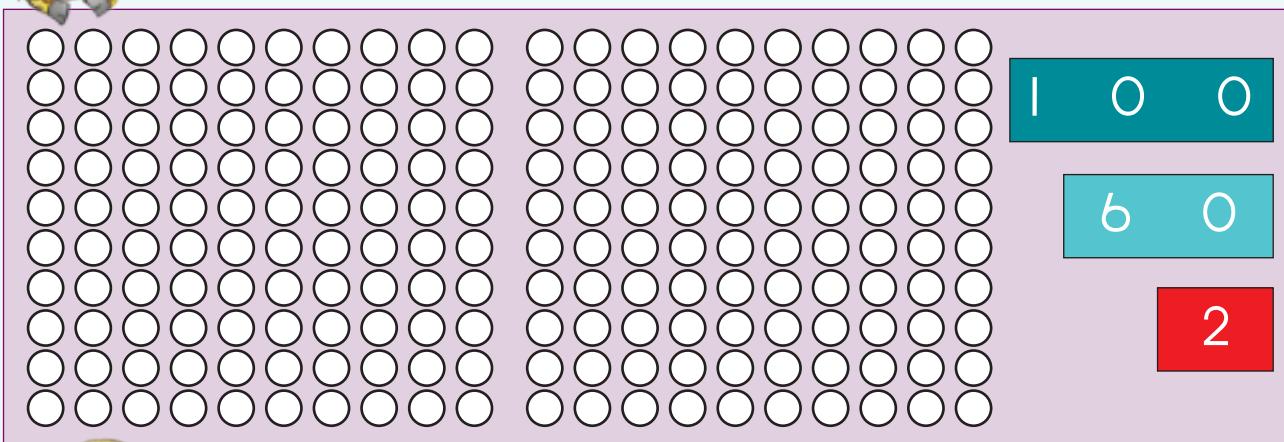


Tinomboro ta |50 – |70

Kotara 3



Khalara |62 wa swirhendzevutana.



Tsala nomboro ya:

$1 \ 0 \ 0$	$5 \ 0$	2	$=$	$1 \ 0 \ 0$	$6 \ 0$	7	$=$	$1 \ 0 \ 0$	$7 \ 0$	$=$
$100 + 50 + 2$ $= 152$										
$1 \ 0 \ 0$	$6 \ 0$	q	$=$	$1 \ 0 \ 0$	$5 \ 0$	4	$=$	$1 \ 0 \ 0$	$6 \ 0$	1



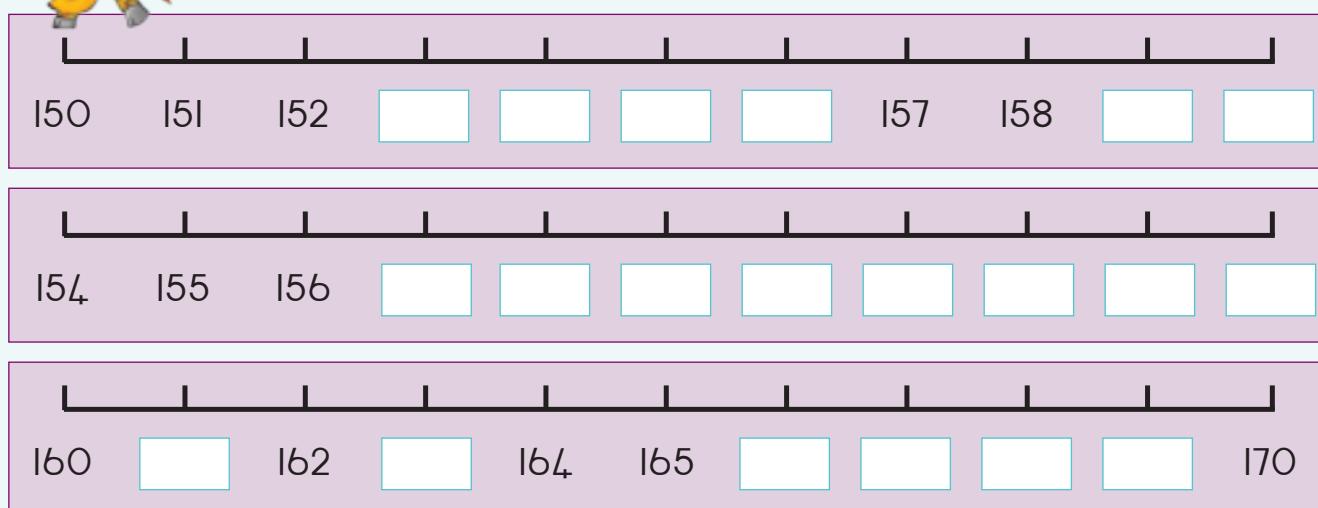
Hi yihi nomboro leyi nghenaka exikarhi:

10

1 2 3 4 5 6 7 8 9 10



Letitsongo	Nomboro	Letikulu
	155	
	168	
	151	
	162	
	160	



Teacher: _____
Sign: _____
Date: _____

70

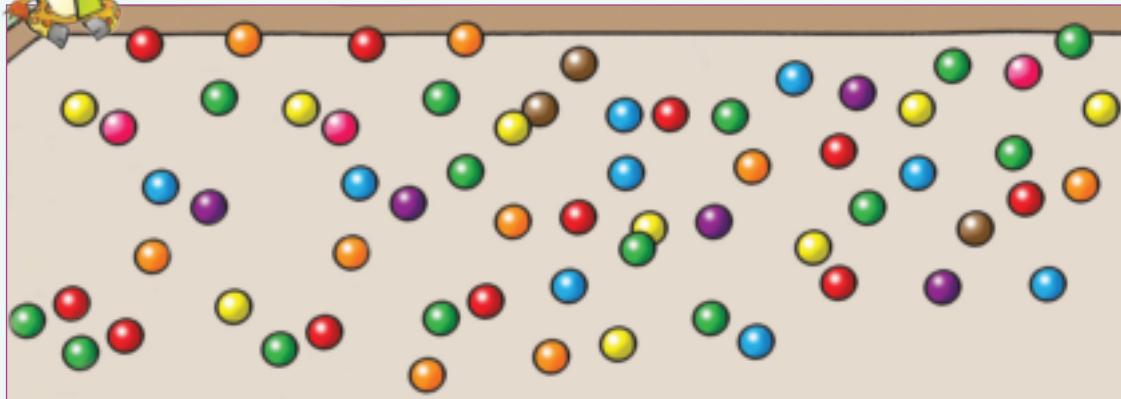
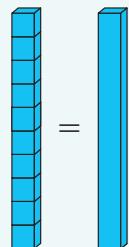
Ku hlayela na ku pimanyeta (0 – 100)

Siku:

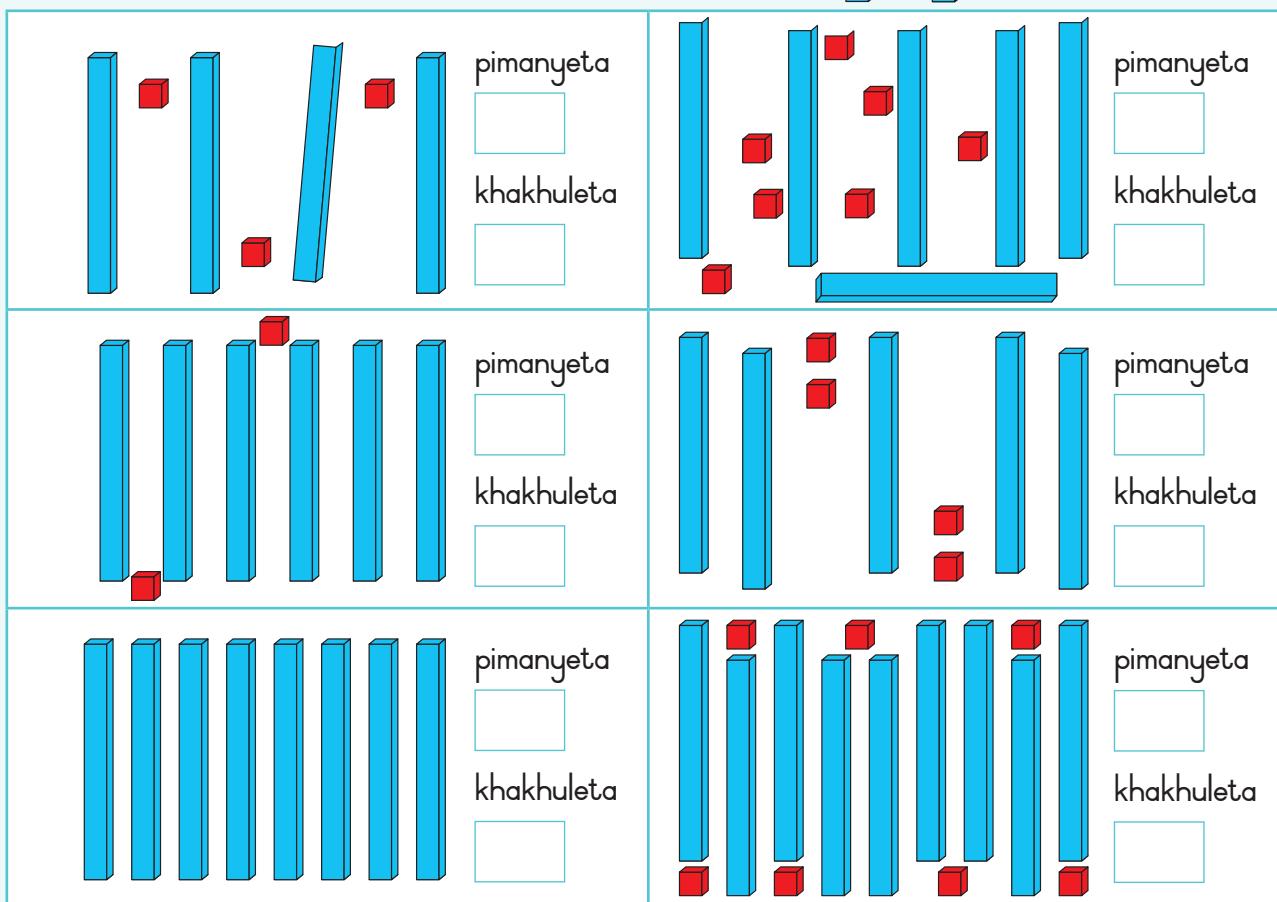
Kotara 3

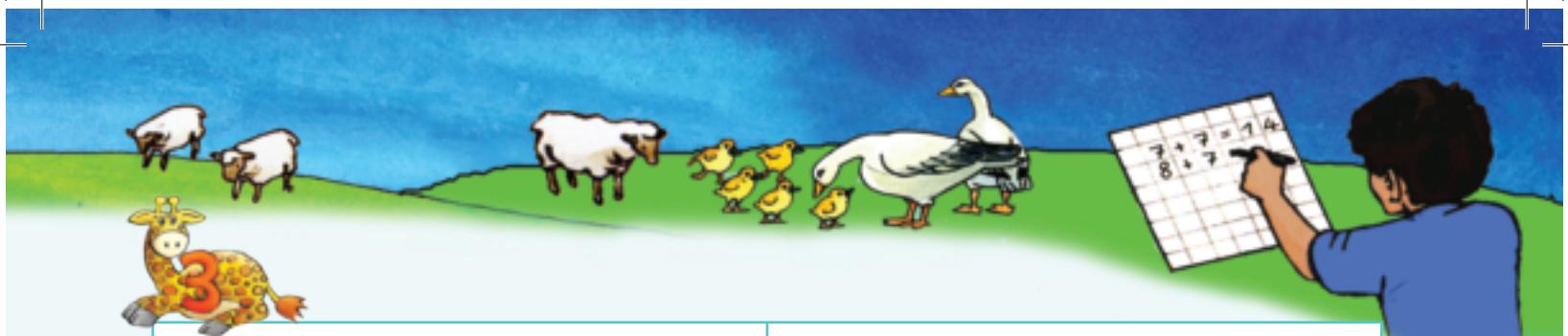


Pimanyeta kutani u hlayela vuhlalu.

Ku na khume ra tibuloko exibyen.
Pimanyeta kutani u hlayela.

=

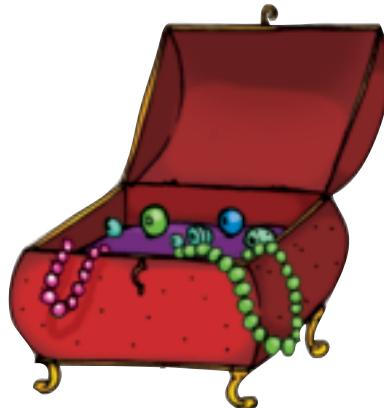




Ku na 42 wa malekere ebokisini. Xana ku tumbetiwe mangani?



Ku na 50 wa vuhlalu ebokisini. Xana ku tumbetiwe byingani?



Ku na 78 wa malekere ebokisini. Xana ku tumbetiwe mangani?



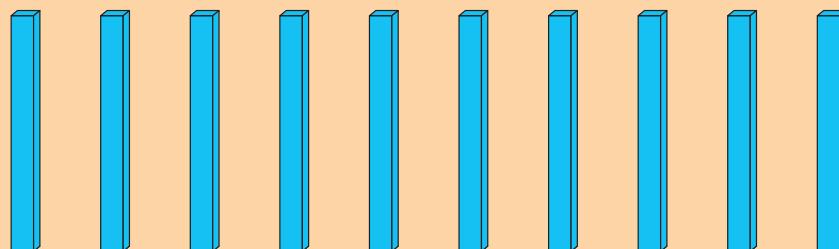
Ku na 100 wa vuhlalu ebokisini. Xana ku tumbetiwe byingani?





Xana u nga endla leswi hi ku hatlisa ko fika kwihi?

Xibye xin'wana na xin'wana xi na 10 wa tibuloko. Xana ku na tibuloko tingani?





Teacher:
Sign:
Date:

71

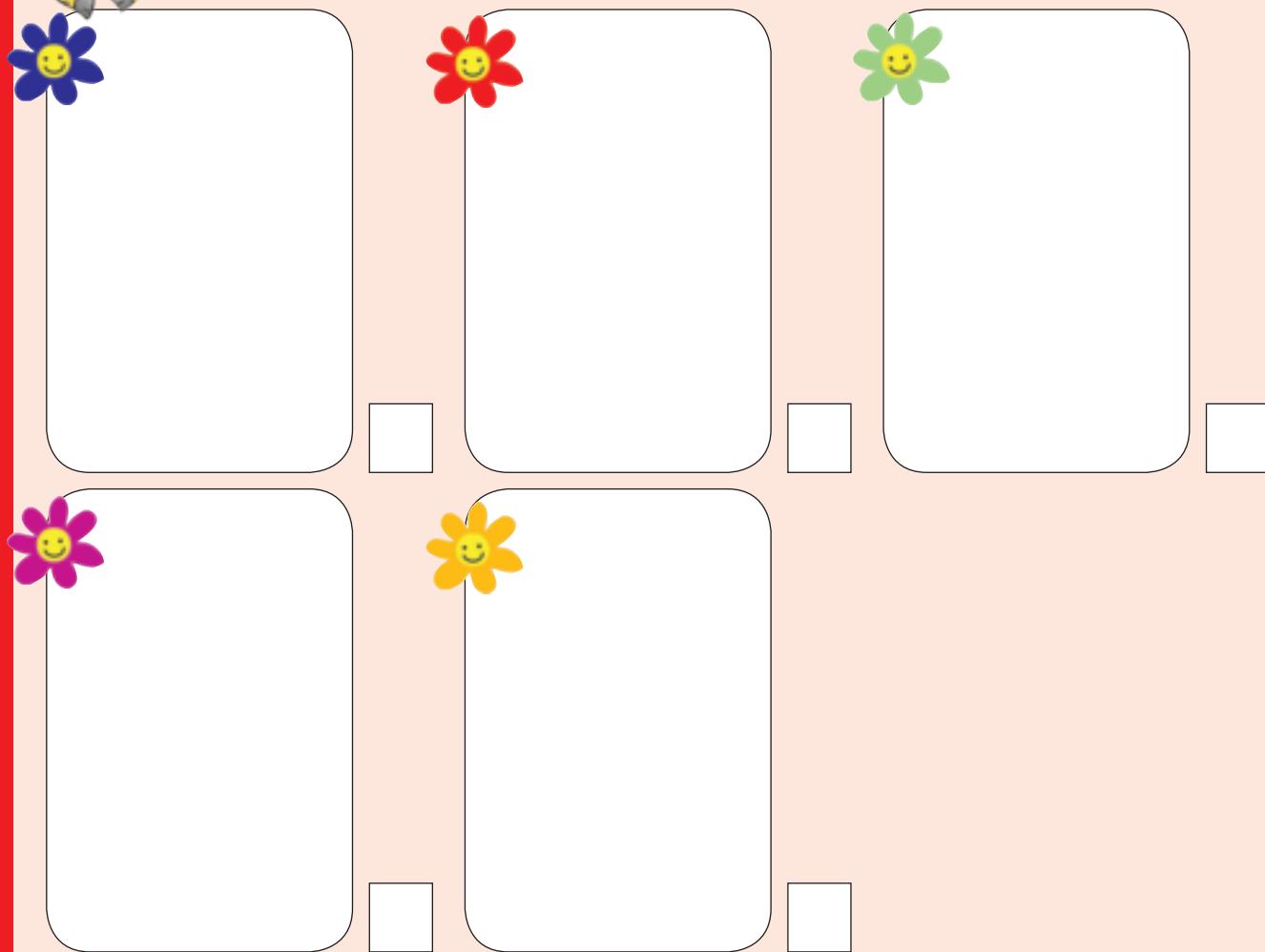


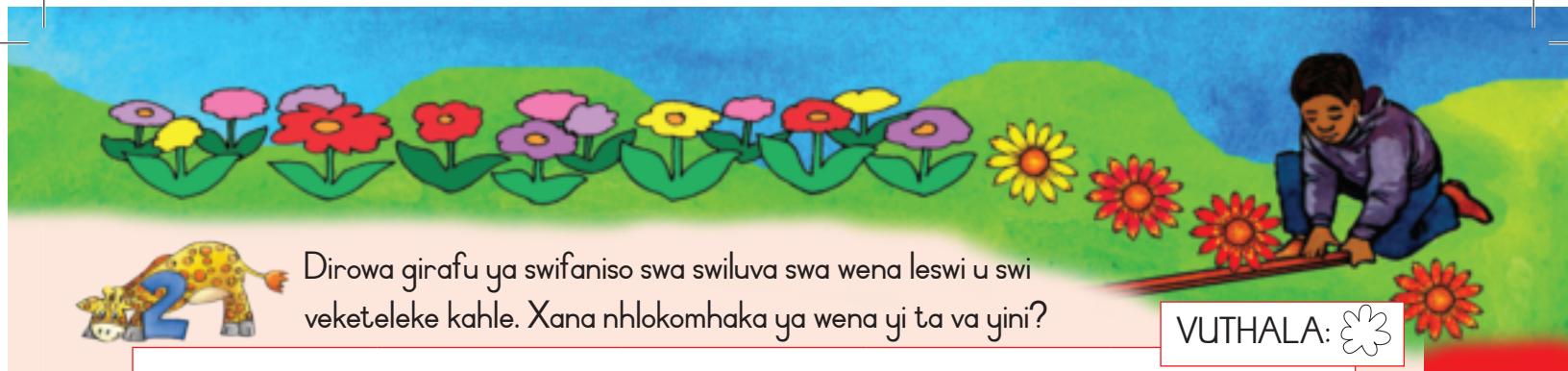
Switiviwa swin'wana

Kotara 3



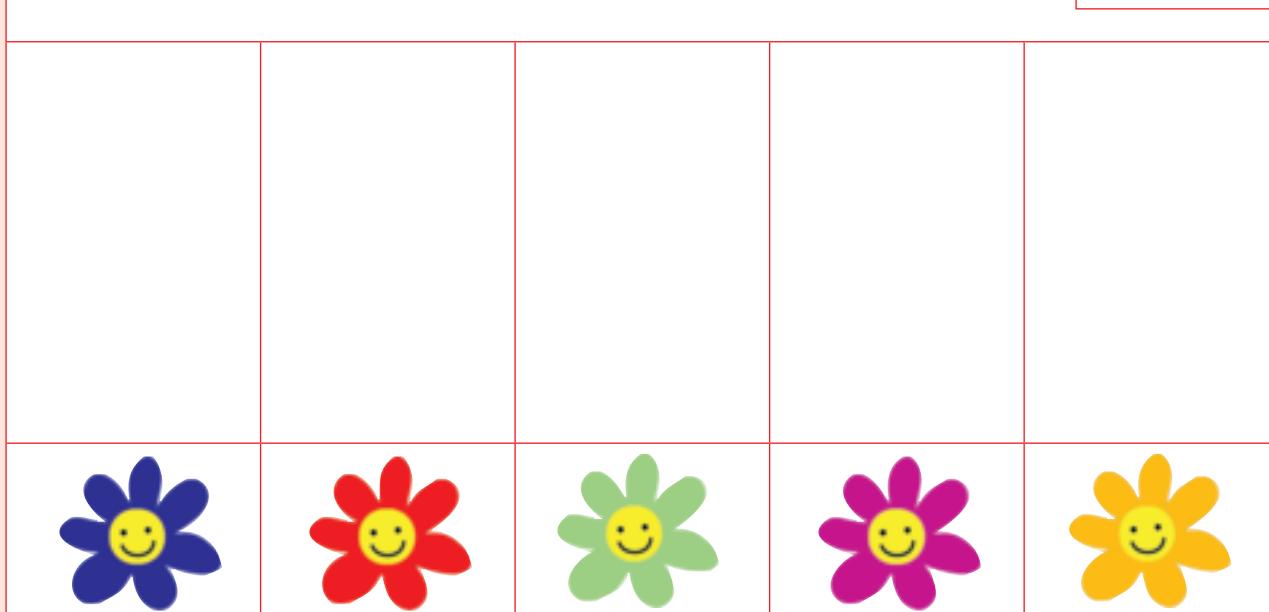
Hlawula swiluva. Dirowa swifaniso swa wena. Tsala ntsengo ebokisini.





Dirowa girafu ya swifaniso swa swiluva swa wena leswi u swi veketeleke kahle. Xana nhlokomhaka ya wena yi ta va yini?

VUTHALA:



Hlamula swivutiso leswi landzelaka:

Xana ku na swiluva swa xivunguvungu swingani?

Xana ku na swiluva swo tshwuka swingani?

Xana ku na swiluva swingani swa rihlaza?

Xana ku na swiluva swa pinki swingani?

Xana ku na swiluva swa xitshopana swingani?

Xana i xiluva xa muhlovo muni lexi tsakeriwaka swinene?

Xana i xiluva xa muhlovo muni lexi nga tsakeriwiki swinene?

Xiluva lexi u xi tsakelaka i xa muhlovo muni?

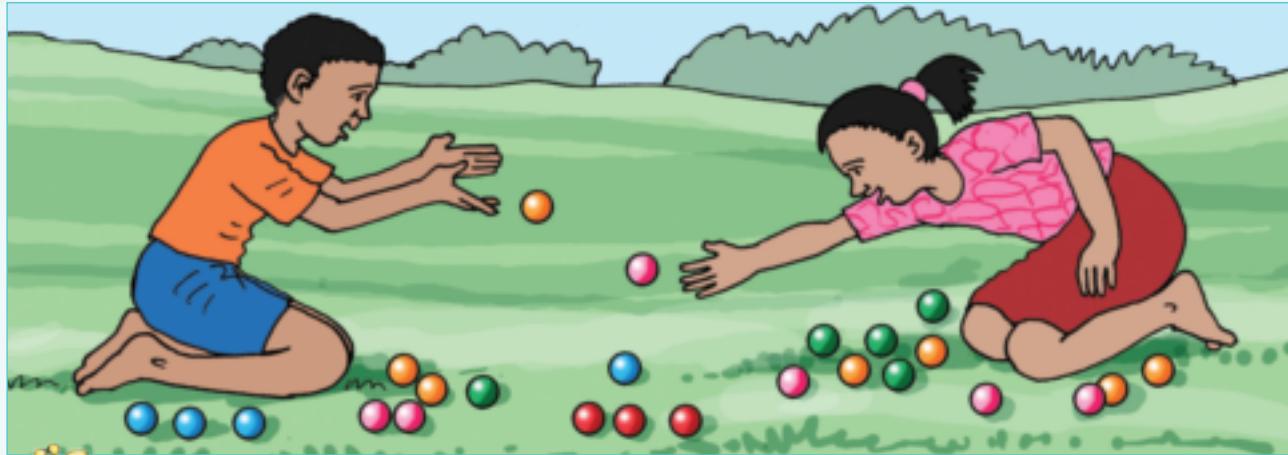


72



Ku hlanganisa 0–50

Kotara 3



Languta xifaniso kutani u hlanganisa timabulu.

tshwuka	+	wasi	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
rihlaza	+	wasi	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
pinki	+	wasi	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
rihlaza	+	xilamula	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
tshwuka	+	rihlaza	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>



Yelanisa makhadi na mintsengo leyi faneleke. Dirowa ntila ku suka eka nhlayo ku ya eka makhadi lama faneleke.

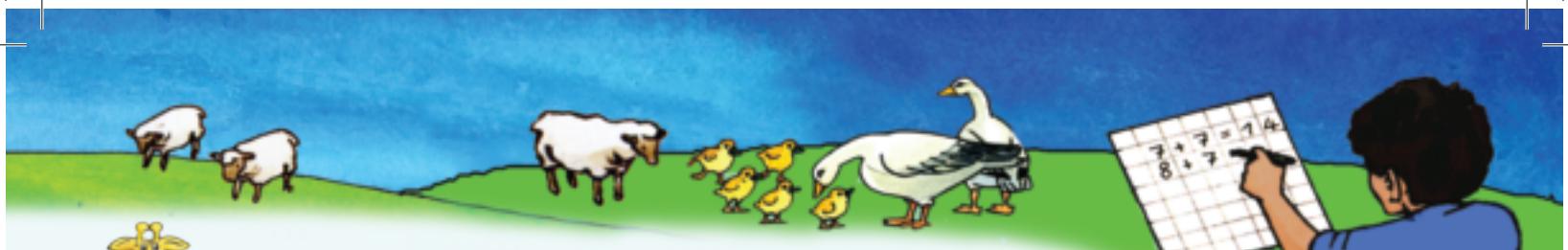
2	5	3	7
1	0	3	0

$$7 + 40 = 47$$

$$10 + 2 = 12$$

$$20 + 5 = 25$$

$$3 + 30 = 33$$



Hlanganisa.



Hlanganisa.

$1\ 0$	$+$	3	$=$	<input type="text"/>	$3\ 0$	$+$	2	$=$	<input type="text"/>
$2\ 0$	$+$	5	$=$	<input type="text"/>	$3\ 0$	$+$	7	$=$	<input type="text"/>
$4\ 0$	$+$	1	$=$	<input type="text"/>	$2\ 0$	$+$	6	$=$	<input type="text"/>
$1\ 0$	$+$	4	$=$	<input type="text"/>	$4\ 0$	$+$	8	$=$	<input type="text"/>
$3\ 0$	$+$	9	$=$	<input type="text"/>					

$16 + 13$

6	3	q
$1\ 0$	$1\ 0$	$2\ 0$

$$1\ 6 + 1\ 3 = 2\ 9$$

$24 + 12$

4	2	<input type="text"/>
$2\ 0$	$1\ 0$	<input type="text"/>

$$\quad + \quad = \quad$$

$37 + 11$

7	1	<input type="text"/>
$3\ 0$	$1\ 0$	<input type="text"/>

$$\quad + \quad = \quad$$

$25 + 23$

5	3	<input type="text"/>
$2\ 0$	$2\ 0$	<input type="text"/>

$$\quad + \quad = \quad$$

$36 + 12$

6	2	<input type="text"/>
$3\ 0$	$1\ 0$	<input type="text"/>

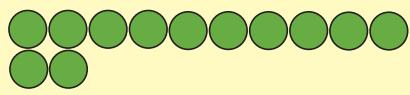
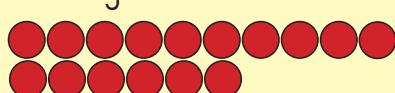
$$\quad + \quad = \quad$$

$28 + 21$

8	1	<input type="text"/>
$2\ 0$	$2\ 0$	<input type="text"/>

$$\quad + \quad = \quad$$

Lisa u na 16 wa swihlayelo kasi Aakar u na 12.

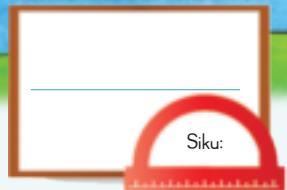


Xana ntsengo wa swona hinkwaswo i yini?



Teacher:
Sign:
Date:

73



Ku hlanganisa 0 – 75

Kotara 3



Xana ntsengo wa buloko yin'wana na yin'wana i yini?

1	10	6	20	3	20	4	40
5	10	2	10	5	30	4	30



Hlanganisa.

$12 + 11$

<input type="text"/>	<input type="text"/>	$+$	<input type="text"/>	<input type="text"/>			
$=$	<input type="text"/>	$+$	<input type="text"/>	$+$	<input type="text"/>	$+$	<input type="text"/>
$=$	<input type="text"/>	$+$	<input type="text"/>				
$=$	<input type="text"/>						

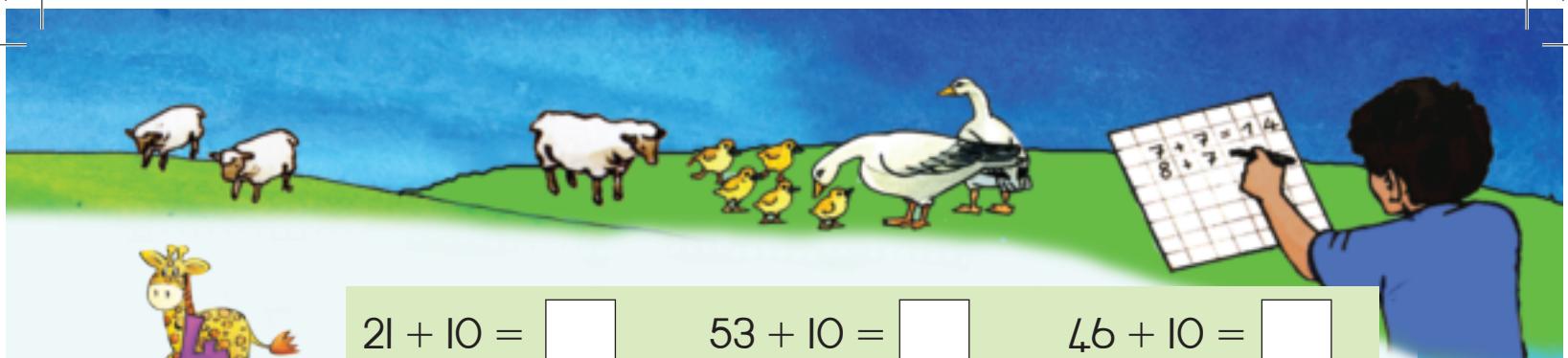
$23 + 41$

<input type="text"/>	<input type="text"/>	$+$	<input type="text"/>	<input type="text"/>			
$=$	<input type="text"/>	$+$	<input type="text"/>	$+$	<input type="text"/>	$+$	<input type="text"/>
$=$	<input type="text"/>	$+$	<input type="text"/>				
$=$	<input type="text"/>						



Hetisa.

28	$+$	11	$=$	2	8	$+$	1	0	$+$	1	$=$	38	$+$	1	$=$	39
34	$+$	12	$=$	3	4	$+$	1	0	$+$	2	$=$	<input type="text"/>	$+$	<input type="text"/>	$=$	<input type="text"/>
43	$+$	23	$=$	4	3	$+$	2	0	$+$	3	$=$	<input type="text"/>	$+$	<input type="text"/>	$=$	<input type="text"/>
45	$+$	23	$=$	4	5	$+$	2	0	$+$	3	$=$	<input type="text"/>	$+$	<input type="text"/>	$=$	<input type="text"/>
56	$+$	11	$=$	5	6	$+$	1	0	$+$	1	$=$	<input type="text"/>	$+$	<input type="text"/>	$=$	<input type="text"/>



Hlanganisa.

$21 + 10 = \boxed{}$

$53 + 10 = \boxed{}$

$46 + 10 = \boxed{}$

$68 + 10 = \boxed{}$

$37 + 10 = \boxed{}$

$42 + 10 = \boxed{}$

$74 + 10 = \boxed{}$

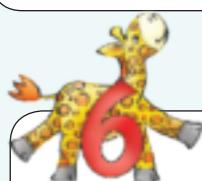
$19 + 10 = \boxed{}$

$55 + 10 = \boxed{}$



Ntsengo wa 47 na 6 i

Dirowa xifaniso u kombisa nhlamulo ya wena.



Endla nhlayo ya wena ya marito hi ku tirhisa swifaniso.



74



Ku hlanganisa no susa: 0 – 75

Kotara 3

Yelanisa makhadi. Dirowa ntila wo suka eka nhlayo ku ya eka makhadi lama faneleke.



q
6 0

$$7 + 40 = 47$$

5
5 0

$$60 + 9 = 69$$

4
7 0

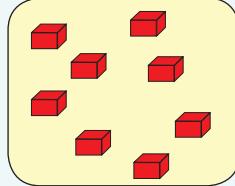
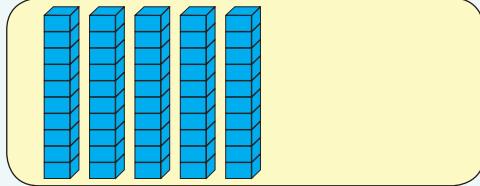
$$50 + 5 = 55$$

7
4 0

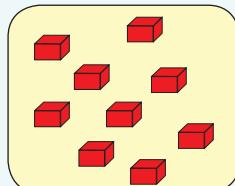
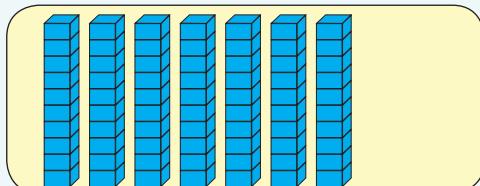
$$4 + 70 = 74$$



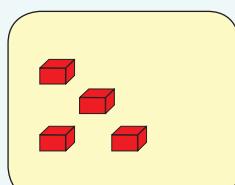
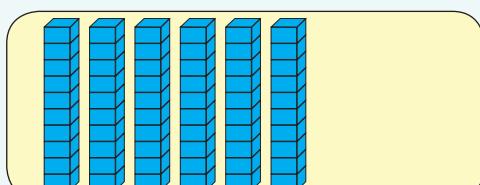
Tsala nhlayo ya leswi landzelaka kutani u tata tinhlamulo.



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{6 0} + \boxed{4} = \boxed{\quad}$$

$$\boxed{3 0} + \boxed{2} = \boxed{\quad}$$

$$\boxed{4 0} + \boxed{9} = \boxed{\quad}$$

$$\boxed{5 0} + \boxed{4} = \boxed{\quad}$$

Hlanganisa.

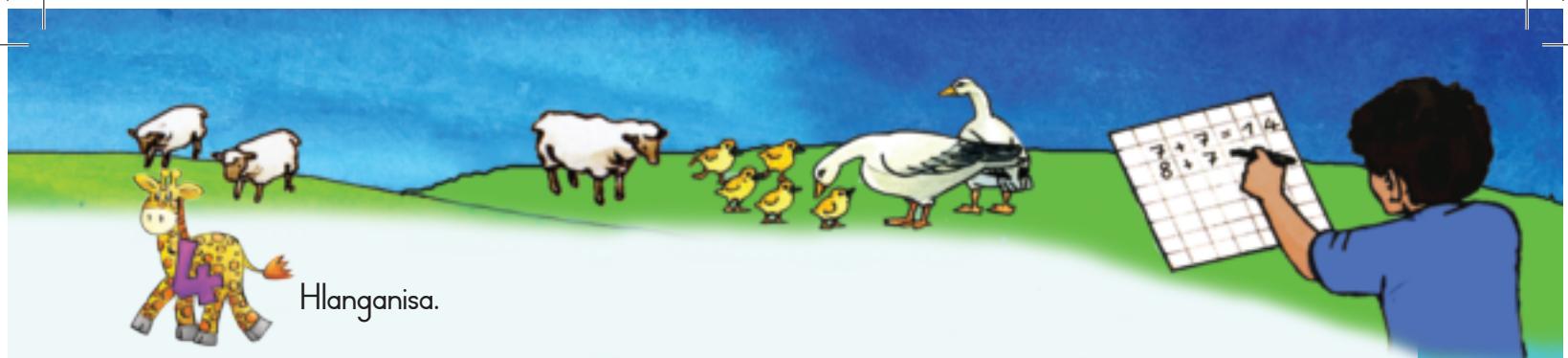
$$\boxed{2 0} + \boxed{8} = \boxed{\quad}$$

$$\boxed{1 0} + \boxed{7} = \boxed{\quad}$$

$$\boxed{7 0} + \boxed{5} = \boxed{\quad}$$

$$\boxed{7 0} + \boxed{8} = \boxed{\quad}$$

$$\boxed{5 0} + \boxed{6} = \boxed{\quad}$$



$56 + 15$

$56 + 15 = 71$



$34 + 17$

$48 + 13$

$48 + 13 = 61$

$63 - 41$

$75 - 51$

$72 - 49$



Dirowa xifaniso xo kombisa leswaku Mbali u na 52 wa tibuloko kasi Zander u na 36.



Xana ntsengo i yini? _____



Teacher: _____
Sign: _____
Date: _____

Tibolo, mabokisi na tisilindara



Xana wa ha
tsundzuka
swivumbeko swa
swilo leswi?

Marito lama ma nga ku pfuna:

mabokisi

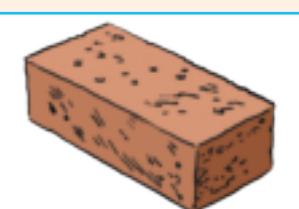
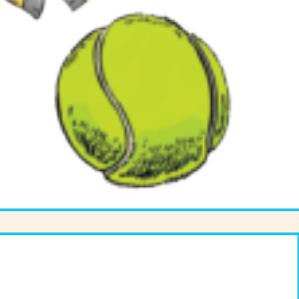
tibolo

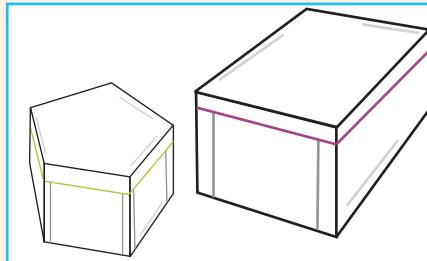
tisilindara

Siku:

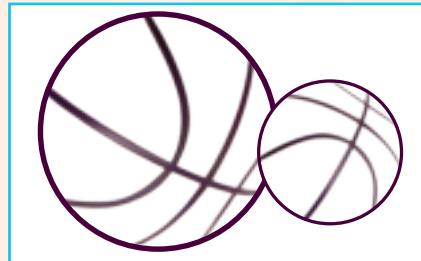


Kombisa tibolo, mabokisi na tisilindara hi ku tsala rito ehansi ka xin'wana na xin'wana.





mabokisi



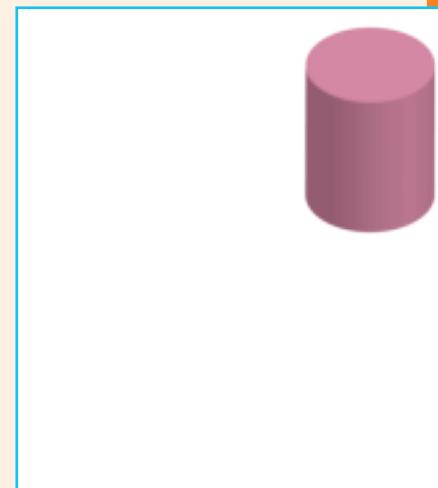
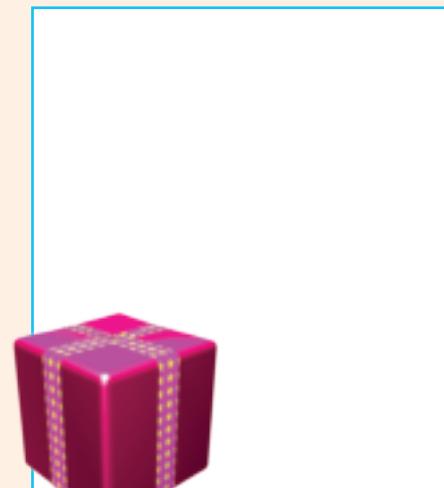
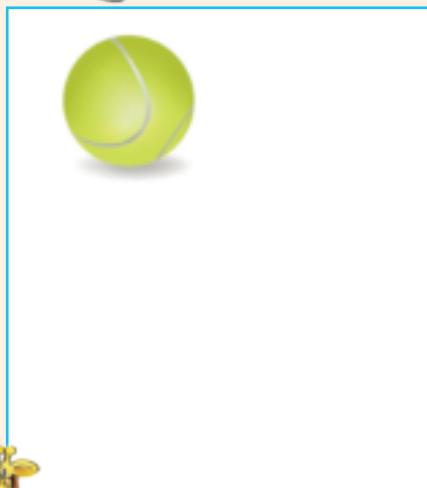
tibolo



tisilindara



Dirowa xilo lexikulunyana.



U lava ku nghenisa nyiko ya siku ra ku velekiwa ka manana endzeni ka xibye lexi. U fanele ku hlamusela mutirhi wa le vhengeleni leswi u swi lavaka. Xana u ta swi hlamusela hi ndlela yihi?



Teacher:
Sign:
Date:

Rhetisa, khunguluxa

no aka hi swilo swa 3 wa matlhelot

Siku:

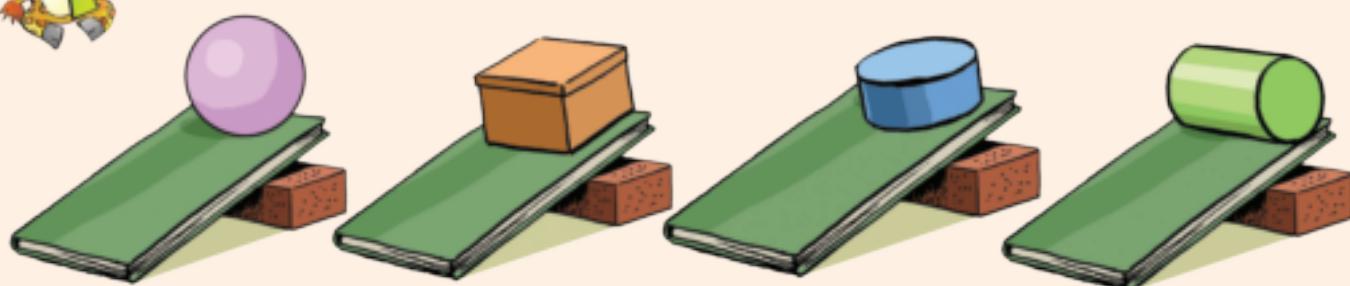


Mudyondzisi wa wena u ta endla nghingiriko lowu leswaku u kota ku vona loko leswi landzelaka swi ta kota ku balansa:

- Bokisi ehenhla ka bokisi.
- Bolo ehenhla ka bokisi.
- Bolo ehenhla ka bolo.
- Mabokisi mambirhi ehenhla ka bokisi rin'we.



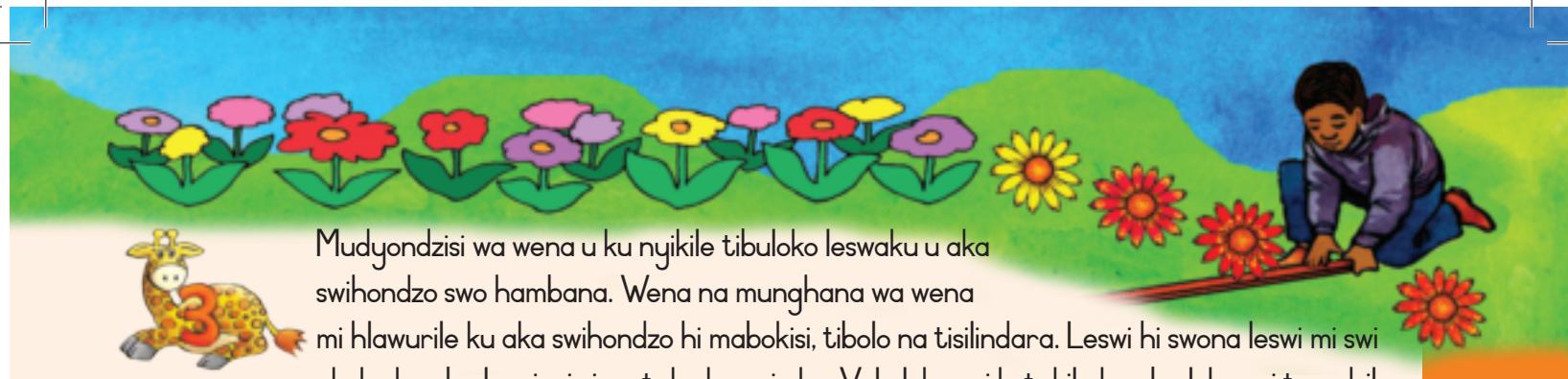
Mabokisi, tibolo na tisilindara swi nga khunguluka kumbe swi rheta. Mudyondzisi wa wena u ta ku nyika swilo leswi landzelaka ku vona loko swi ta khunguluka kumbe swi rheta. Endzhaku ko endla nghingiriko lowu, vula loko swilo swi ta khunguluka kumbe loko swi ta rheta.



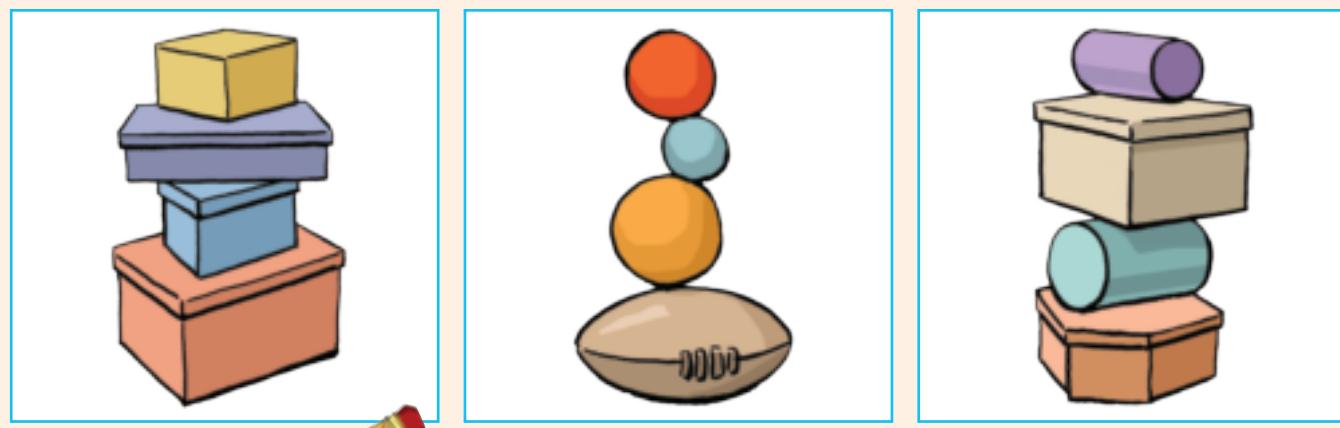
Kuma swifaniso swa swilo eka timagazini leswi swi khungulukaka kumbe leswi rhetaka kutani u swi damarheta laha.

khunguluka

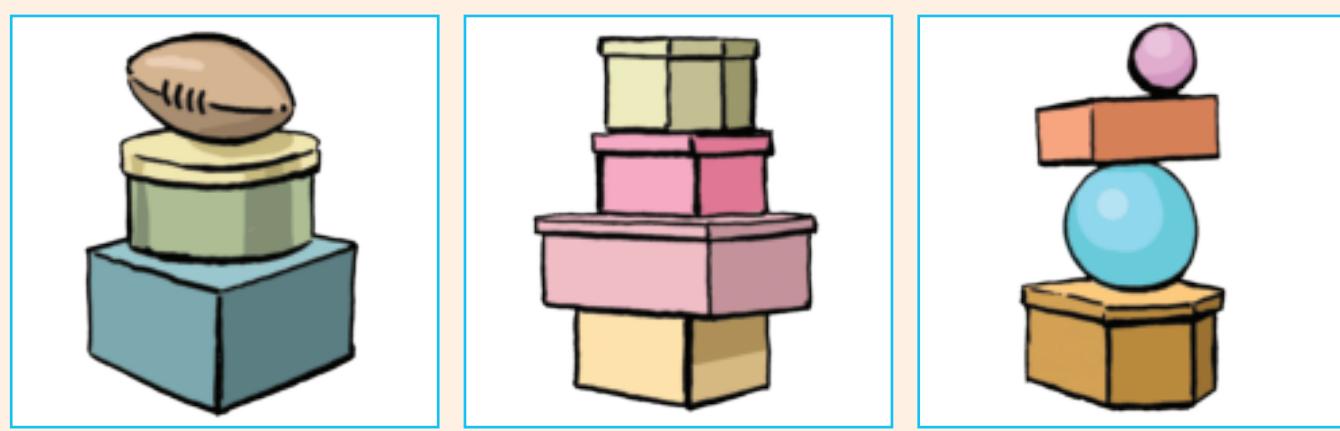
rheta



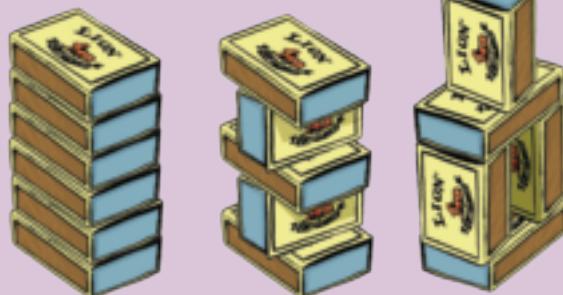
Mudyondzisi wa wena u ku nyikile tibuloko leswaku u aka swihondzo swo hambana. Wena na munghana wa wena mi hlawurile ku aka swihondzo hi mabokisi, tibolo na tisilindara. Leswi hi swona leswi mi swi akeke kumbe leswi mi ringeteke ku swi aka. Vula loko swi kotekile kumbe loko swi tsandzile.



Leswi swi ta tirha



Hi leswi swihondzo swa mabokisi ya mencisi.



U fanele ku va na:
Mabokisi ya mencisi.
Leswi faneleke ku endliwa:
Sweswi ringeta ku aka xihondzo xa
mabokisi ya mencisi xi ya ehenhla ku ya
hilaha u nga swi kotaka hakona handle
ko tirhisa xidamarheti.



77



Kotara 3

Ku hlanganisa no susa kun'wana 0–75



Hlanganisa tinomboro eka buloko yin'wana na yin'wana kutani u tsala nhlamulo.

	<table border="1"> <tr><td></td><td>5</td><td>0</td></tr> <tr><td>2</td><td></td><td>2</td><td>0</td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> </table>		5	0	2		2	0	3				<table border="1"> <tr><td></td><td>5</td><td>0</td></tr> <tr><td>7</td><td></td><td>1</td><td>0</td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> </table>		5	0	7		1	0	2				<table border="1"> <tr><td></td><td>4</td><td>0</td></tr> <tr><td>4</td><td></td><td>1</td><td>0</td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> </table>		4	0	4		1	0	3				<table border="1"> <tr><td></td><td>3</td><td>0</td></tr> <tr><td>8</td><td></td><td>2</td><td>0</td></tr> <tr><td>1</td><td></td><td></td><td></td></tr> </table>		3	0	8		2	0	1			
	5	0																																														
2		2	0																																													
3																																																
	5	0																																														
7		1	0																																													
2																																																
	4	0																																														
4		1	0																																													
3																																																
	3	0																																														
8		2	0																																													
1																																																



Hlanganisa u tirhisa maendlele ya wena.

$$52 + 21$$

$$43 + 28$$



Hetisa.

$$28 + 31 = 2\boxed{8} + 3\boxed{0} + \boxed{1} = 58 + \boxed{1} = 59$$

$$45 + 32 = 4\boxed{5} + 3\boxed{0} + \boxed{2} = \boxed{} + \boxed{} = \boxed{}$$

$$52 + 14 + 5\boxed{2} + 1\boxed{0} + \boxed{4} = \boxed{} + \boxed{} = \boxed{}$$



Hlanganisa.

$$41 + 10 = \boxed{}$$

$$44 + 10 = \boxed{}$$

$$71 + 10 = \boxed{}$$



Ntsengo wa 36 na 24 i _____.

Dirowa xifaniso u kombisa nhlamulo ya wena.

--

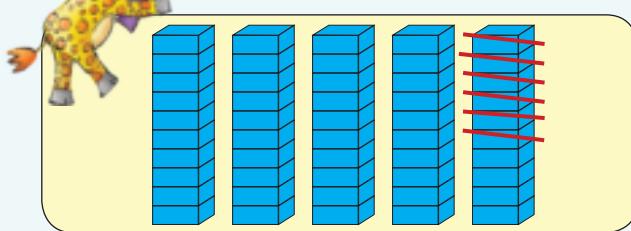


Susa tinomboro ta le ka bokisi ra le hansi ku suka
eka tinomboro ta bokisi ra le henhlā.

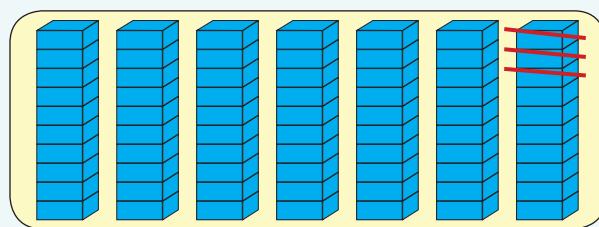
5	7 0	2	6 0	7	5 0	9	3 0
3	4 0	1	2 0	6	1 0	5	1 0



Tsala nhlayo ya leswi landzelaka.



$$\boxed{} - \boxed{} = \boxed{}$$



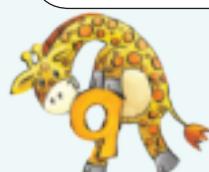
$$\boxed{} - \boxed{} = \boxed{}$$



Susa:

$$65 - 23$$

$$72 - 29$$



Susa.

$$61 - 10 = \boxed{}$$

$$42 - 10 = \boxed{}$$

$$37 - 10 = \boxed{}$$

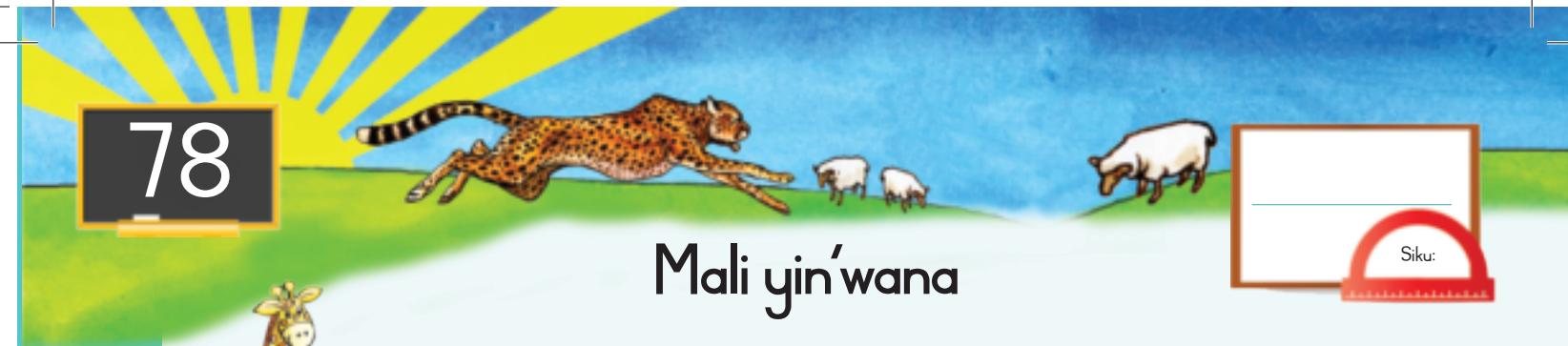


Dirowa xifaniso u kombisa leswaku Palesa a ri na 62 wa timabulu kutani a lahlekeriwa hi 21.



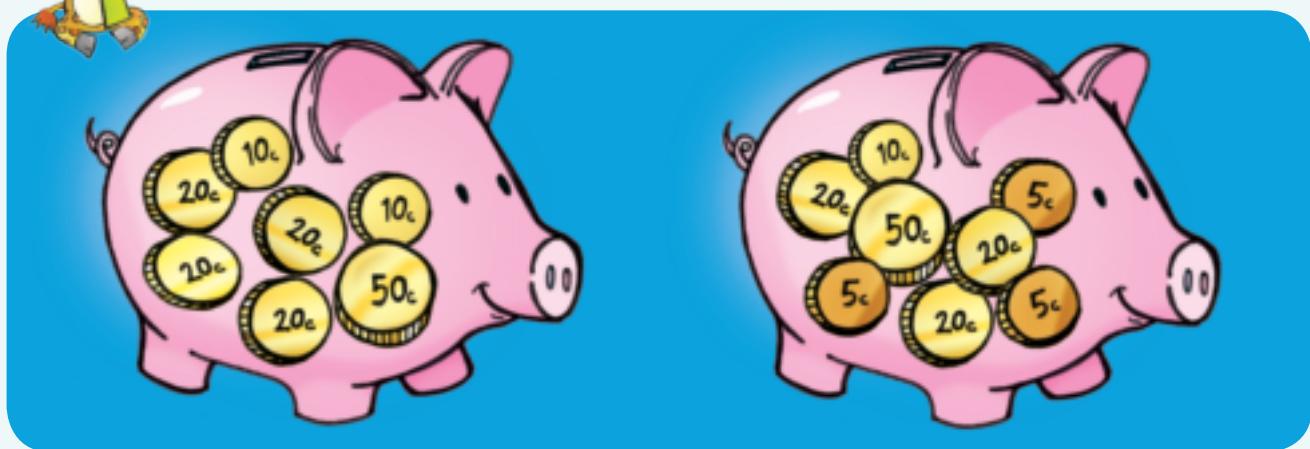
Xana ku sale timabulu tingani? _____





Mali yin'wana

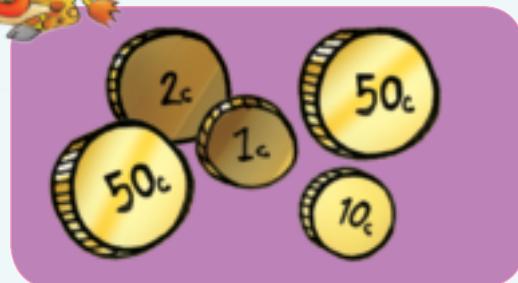
Xana ku na yini ebangi ya mina ya xingulubyana?

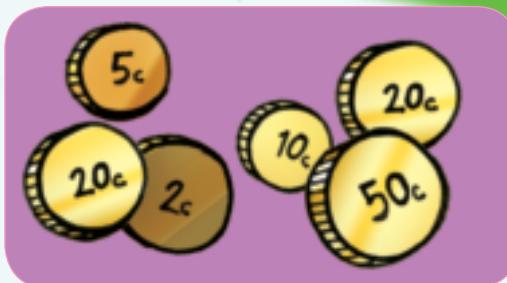


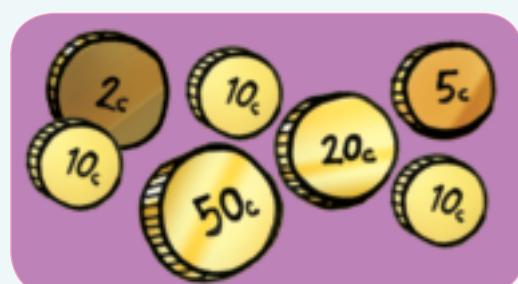
Tirhisa swingwece swo huma eka Xitsemiwa xa 3 kutani u namarheta mintsengo leyi faneleke laha.



Xana ku na tisente tingani?















Tinhlayo ta marito:

Ndzi na 100c. Tatana va ndzi nyika 50c
yin'wana. Xana ndzi na mali muni?

Dirowa xifaniso u kombisa nhlamulo
ya wena.

Ndzi na 170c. Ndzi xavile swiwitsi hi 100c.

Xana ndzi sale na mali muni?

Dirowa xifaniso u kombisa nhlamulo
ya wena.



79

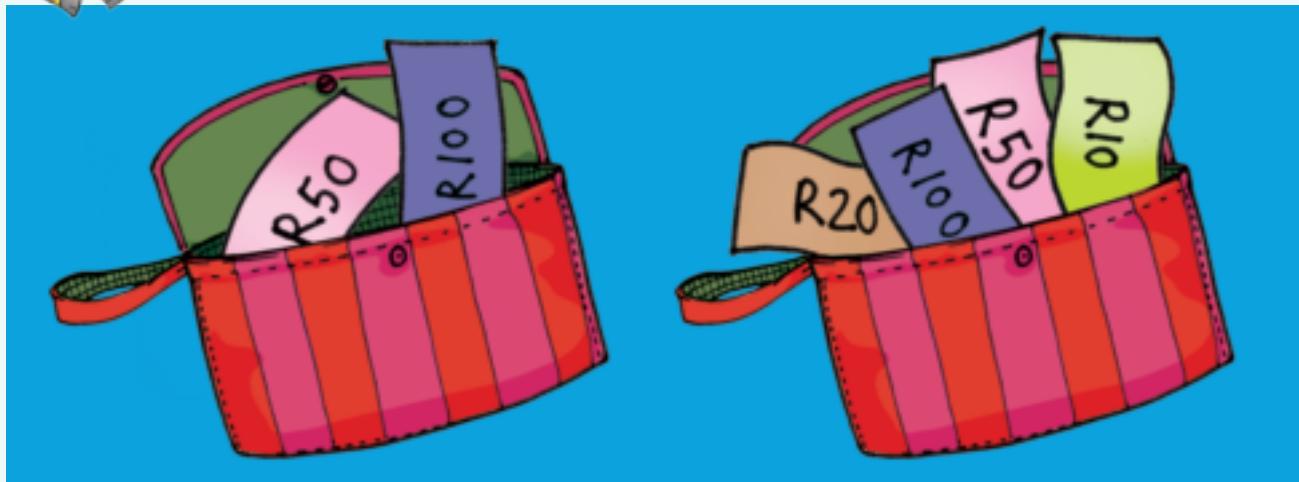


Mali ya phepha yin'wana

Xana ku na mali muni exipacini xa mina?



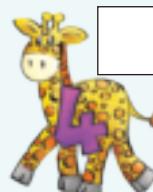
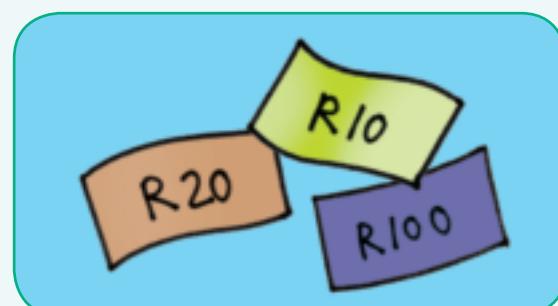
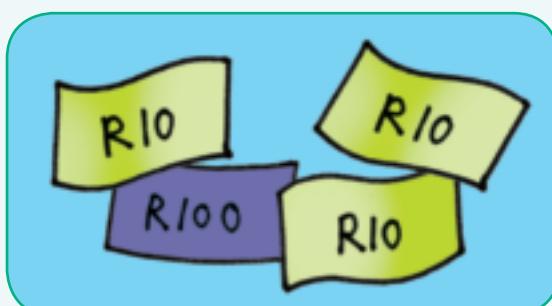
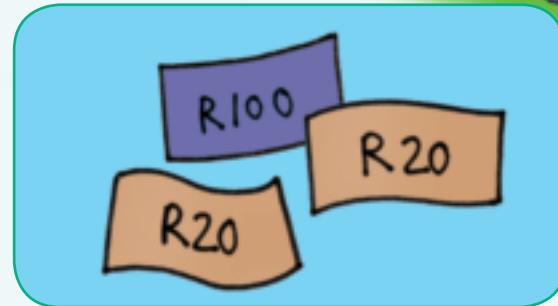
Kotara 3



Tirhisa mali ya phepha yo huma eka Xitsemiwa xa 3 kutani u namarheta mintsengo leyi faneleke laha.



Xana ku na tirhandi tingani?



Tinhlayo ta marito:

Buti u na R100. Ndzi na R50 kasi sesi yena u na R20. Xana hinkwerhu hi na mali muni?

Ndzi na R160. Ndzi xavile hembe ya R50. Xana ndzi sale na mali muni?

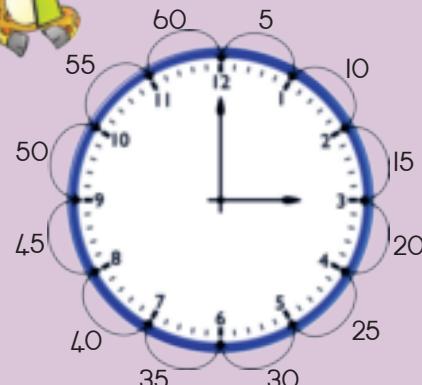


80

Tipatironi ta nkarhi

Kotara 3

Bula hi wachi.



Wachi yi kombeta nkarhi.

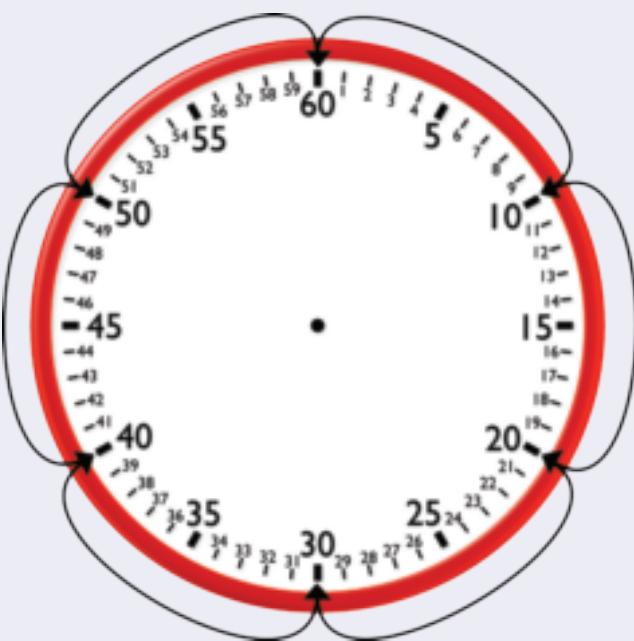
Rimhondzo ro koma ri hi kombeta tiawara.

Rimhondzo ro leha ri hi kombeta timinete.

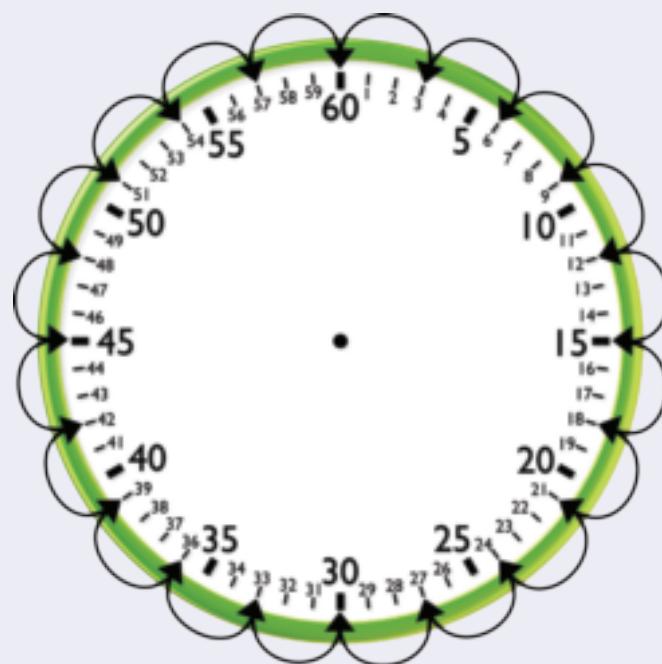
Laha hi hlayela timinete hi vunlhhanu



Hi yahi patironi? Languta minseve nkarhi wun'wana na wun'wana kutani u tsala patironi.



10 __, __, __, __, __,



3, __, __, __, __, __, __,
____, __, __, __, __, __, __,
____, __, __, __, __,



Kombisa patironi u tirhisa minseve.

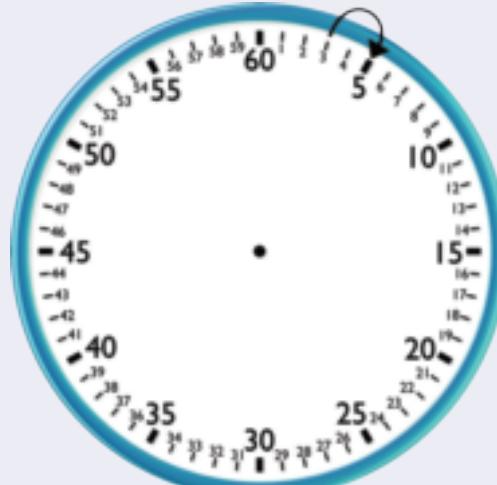
Hlayela hi vu-3 u sungula eka 4.



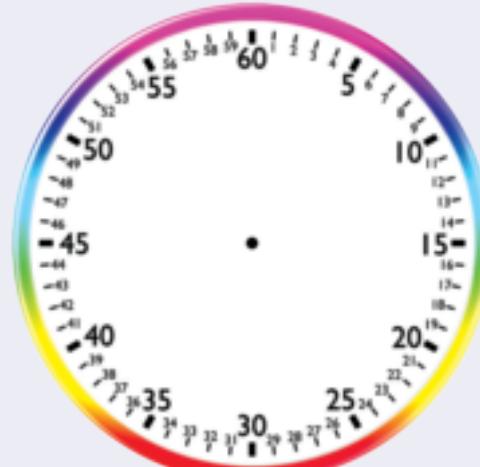
Hlayela hi vu-10 u sungula eka 1.



Hlayela hi vu-2 u sungula eka 3.



Hlayela hi vu-5 u sungula eka 2.



Xana u ya exikolweni hi nkarhi muni?



Xana u ya ekaya hi nkarhi muni?



Xana u dyo swakudya swa madyambu hi nkarhi muni?



Teacher:
Sign:
Date:

8la

Kotara 3



Bula hi wachi.



Tiawara na timinete



Rimhondzo ro koma ri hi kombisa leswaku ku hundzile 3 wa tiawara.

Rimhondzo ro leha ri hi kombisa leswaku i 15 wa timinete.

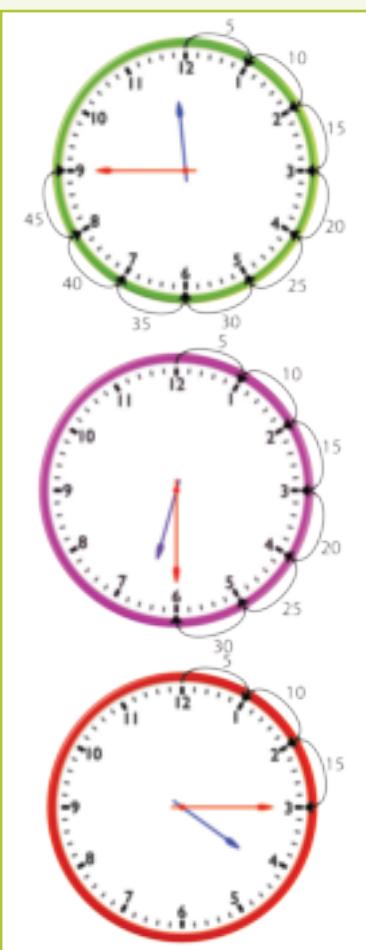
Hi ri i kotara ku bile awara ya nharhu

Hi vula leswaku i timinete ta khumentlhanu endzhaku ka 3 wa
tiawara.

Khumentlhanu wa timinete i kotara ya makumentsevu wa
timinete (awara).



Xana i nkarhi muni?



Rimhondzo ro koma ri hi kombba _____.

Rimhondzo ro leha ri hi kombba _____.

Hi ri i _____.

Rimhondzo ro koma ri hi kombba _____.

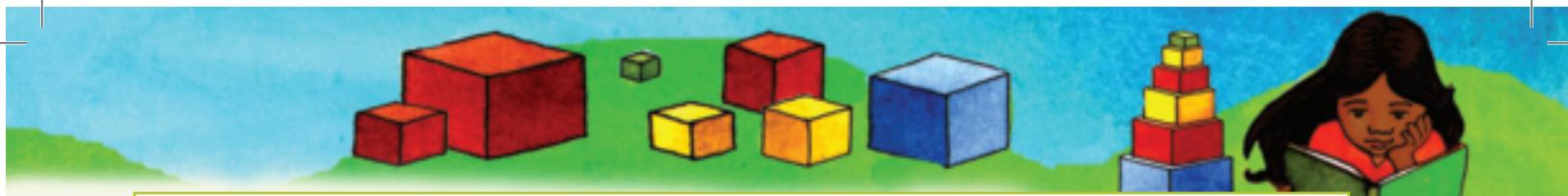
Rimhondzo ro leha ri hi kombba _____.

Hi ri i _____.

Rimhondzo ro koma ri hi kombba _____.

Rimhondzo ro leha ri hi kombba _____.

Hi ri i _____.



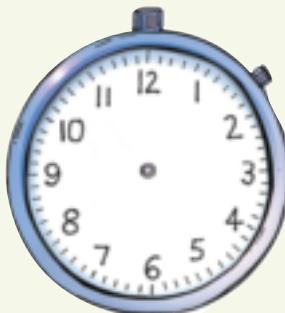
	Rimhondzo ro koma ri hi komba _____.
	Rimhondzo ro leha ri hi komba _____.
	Hiri i _____.



Dirowa rimhondzo ro leha na rimhondzo ro koma.

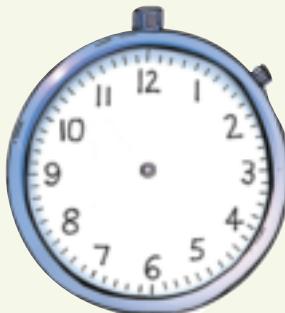
Kotara ku bile awara ya mbirhi.

Hafu ku bile awara ya kaye.



Awara ya khume
ehenhla ka nhloko.

Kotara ku ya eka awara
ya ntsevu.



Xana u endla yini hi nkarhi lowu exikarhi ka vhiki? Dirowa xifaniso.

Kotara ku bile awara ya nhungu nimpundzu.

Kotara ku bile awara ya nhungu nimadyambu.



8lb



Bula hi wachi.

Kotara 3



Rimhondzo ro koma ri komba leswaku awara ya nharhu a yi si fika.

Rimhondzo lero leha ri yime eka 35 wa timinete.

I 25 wa timinete rimhondzo lero leha ri nga si fika eka 12.

Hi ri i makumembirhi ntshanu ku ya eka nharhu.

Hi vula leswaku i 25 wa timinete ku nga si ba awara ya 3.



I nkarhi muni?



Rimhondzo ro koma ri yime eka _____.

Rimhondzo ro leha ri yime eka _____.

I _____ ku nga si fika rimhondzo lero leha eka 12.

Hi ri i _____ ku ya eka _____.

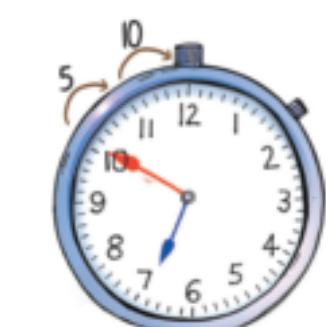


Rimhondzo ro koma ri yime eka _____.

Rimhondzo ro leha ri yime eka _____.

I _____ ku nga si fika rimhondzo lero leha eka 12.

Hi ri i _____ ku ya eka _____.

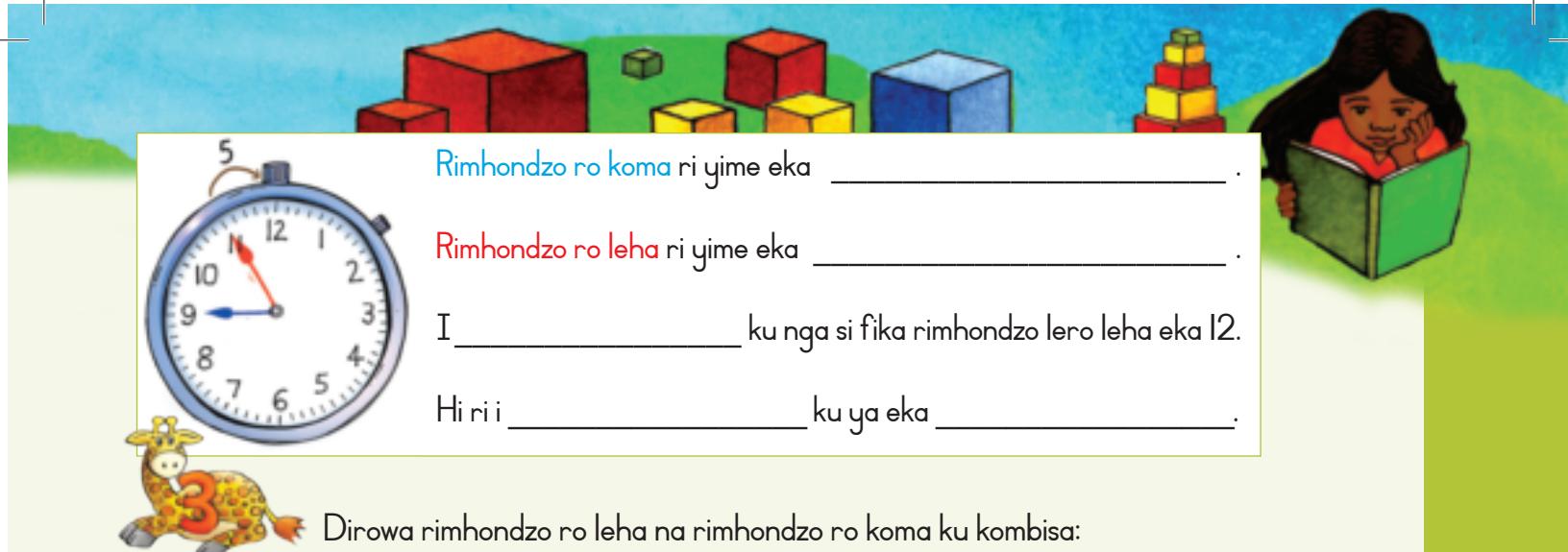


Rimhondzo ro koma ri yime eka _____.

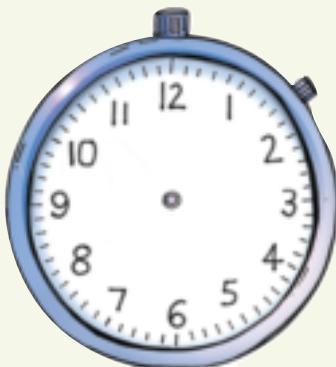
Rimhondzo ro leha ri yime eka _____.

I _____ ku nga si fika rimhondzo lero leha eka 12.

Hi ri i _____ ku ya eka _____.



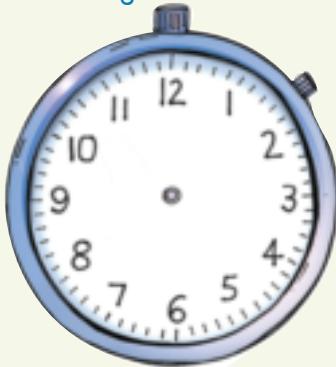
Ntlhanu wa timinete ku ya eka awara ya nhungu.



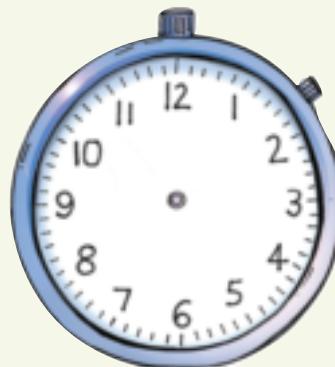
Ntlhanu wa timinete ku ya eka awara ya n'we.



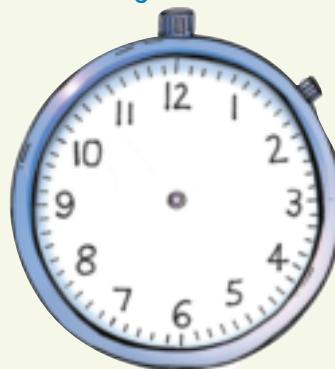
Khumenharhu ku ya eka awara ya nkombo.



Makumembirhi wa timinete ku ya eka awara ya nharhu.



Khume ra timinete ku ya eka awara ya ntsevu.



Khumembirhi ku ya eka awara ya khumembirhi.



Teacher: Sign:
Date:



Ku hlanganisa ko vuyeleriwa

Ndzi na 3 wa swinkwamana leswi nga na 2 wa swiwiitsi eka xin'wana na xin'wana.



Ndzi nga tsala tanihi
 $2 + 2 + 2 = 6$
 kumbe
 $3 \times 2 = 6$

Ndzi na 3 wa swinkwamana leswi nga na 5 wa swiwiitsi eka xin'wana na xin'wana.

Ndzi nga tsala tanihi
 $5 + 5 + 5 = 15$
 kumbe $3 \times 5 = 15$



Languta swinkwamana leswi nga na swiwiitsi:

- Tsala xivulwa hi xin'wana na xin'wana.
- Tsala nhlayo yo hlanganisa ya xin'wana na xin'wana.
- Tsala nhlayo yo andzisa hi xin'wana na xin'wana.

Nkwama wun'wana na wun'wana wu na 2 wa swiwiitsi eka wona.



Xivulwa: 4 wa mintlawa ya 2

Nhlayo yo hlanganisa: $2 + 2 + 2 + 2 =$ _____

Nhlayo yo andzisa: $4 \times 2 =$ _____

Nkwama wun'wana na wun'wana wu na 5 wa swiwiitsi eka wona.



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____

Nkwama wun'wana na wun'wana wu na 2 wa swiwiitsi eka wona.



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____

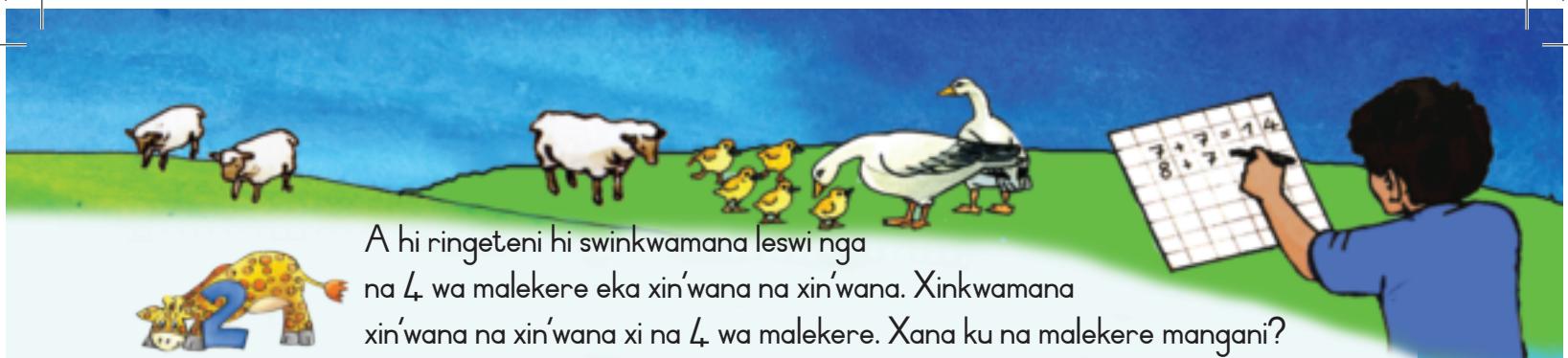
Nkwama wun'wana na wun'wana wu na 5 wa swiwiitsi eka wona.



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



Xivulwa: 7 wa mintlawa ya 4

Nhlayo yo andzisa:

$$4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$$

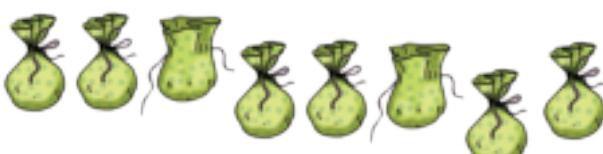
$$\text{Nhlayo yo andzisa: } 7 \times 4 = 28$$



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



Hetisa tafula ra ku andzisa (menthele).

\times	1	2	3	4	5	6	7	8	9	10
2			6							
4					20					
5										50

Ndzi na mabokisi ya
ntlhanu lama nga na
timafini timbirhi eka bokisi
rin'wana na rin'wana. Xana
ku na timafini
tingani
hinkwato
ka tona?



Ndzi na mabokisi ya mune lama
nga na makhekhe ya swikhapania
ya ntlhanu eka bokisi rin'wana na
rin'wana. Xana ku na makhekhe
ya swikhapania
mangani
hinkwato
ka wona?



Ndzi na mabokisi manharhu
lama nga na tidonati ta mune
eka bokisi rin'wana na rin'wana.
Xana ku na
tidonati
tingani
hinkwato
ka tona?



Teacher:
Sign:
Date:

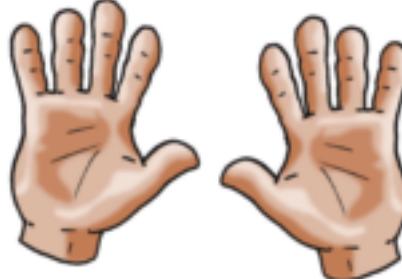


Andzisa hi 5

Kotara 3

Nenge wun'we wu na 5 wa swikunwana.

Voko rin'we ri na 5 wa tintiho.



Xana swikunwana hinkwaswo i swingani?

Xana tintiho hinkwato i tingani?



Hetisa leswi landzelaka:



× =
Swikunwana
enkondzweni
wun'we



× =
Tintiho
evokweni
rin'we



× =
Swikunwana
enkondzweni
wun'we



× =
Tintiho
evokweni
rin'we



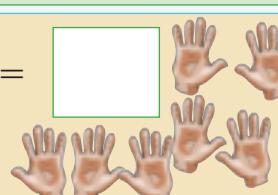
× =
Swikunwana
enkondzweni
wun'we



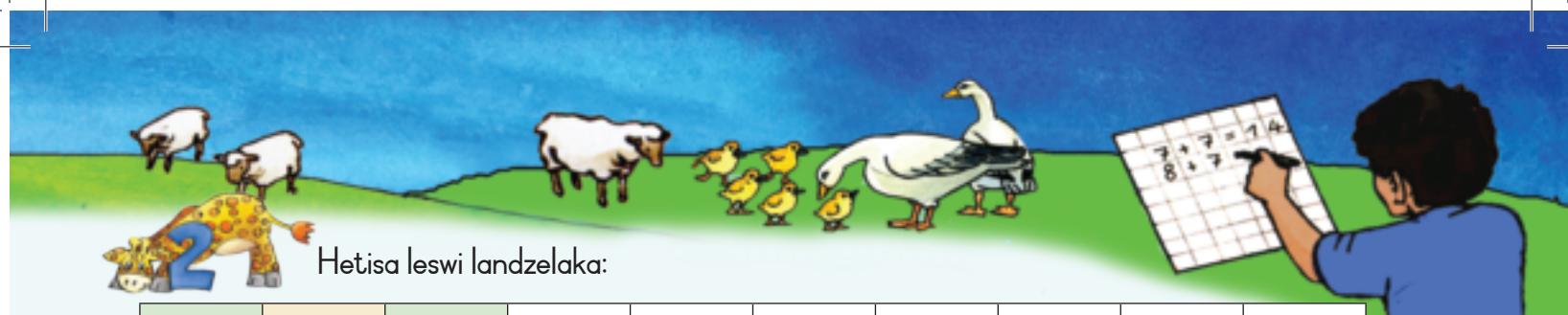
× =
Tintiho
evokweni
rin'we



× =
Swikunwana
enkondzweni
wun'we



× =
Tintiho
evokweni
rin'we



5	10	15						
50	45	40						



$5 \times$ = <input type="text"/> wa maapula	$4 \times$ = <input type="text"/> wa mabanana
$6 \times$ = <input type="text"/> wa mabanana	$7 \times$ = <input type="text"/> wa maapula



$15 \times 5 =$ <input type="text"/> $\begin{array}{r} 1 \quad 0 \\ + \quad 5 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ + \quad 5 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ \times \quad 5 \\ \hline 50 \end{array} + \begin{array}{r} 5 \\ \times \quad 5 \\ \hline 25 \end{array}$ $= 50 + 25$ $= 75$	$12 \times 5 =$ <input type="text"/> $\begin{array}{r} 1 \quad 0 \\ + \quad 2 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ + \quad 2 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ \times \quad 5 \\ \hline 50 \end{array} + \begin{array}{r} 2 \\ \times \quad 5 \\ \hline 10 \end{array}$ $= 50 + 10$ $= 60$
$14 \times 5 =$ <input type="text"/> $\begin{array}{r} 1 \quad 0 \\ + \quad 4 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ + \quad 4 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ \times \quad 5 \\ \hline 50 \end{array} + \begin{array}{r} 4 \\ \times \quad 5 \\ \hline 20 \end{array}$ $= 50 + 20$ $= 70$	$13 \times 5 =$ <input type="text"/> $\begin{array}{r} 1 \quad 0 \\ + \quad 3 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ + \quad 3 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ \times \quad 5 \\ \hline 50 \end{array} + \begin{array}{r} 3 \\ \times \quad 5 \\ \hline 15 \end{array}$ $= 50 + 15$ $= 65$



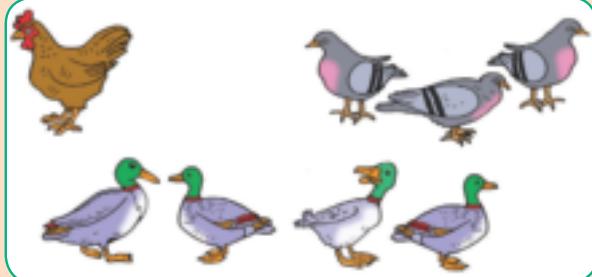
Teacher:
Sign:
Date:

Andzisa hi 2

Siku:

Kotara 3

Tinyenyana hinwato
ti na 2 wa milenge.



Tinyenyana hinkwato
ti na timpapa ti 2.

Xana xifaniso lexi xi na
milenge yingani?

Ku na timpapa tingani
exifanisweni lexi?



matuva



× =
Nhlayo ya matuva Milenge ya nyenyana yin'we.

× =
Nhlayo ya matuva Timpapa ta nyenyana yin'we



masekwa

× =
Nhlayo ya masekwa Milenge ya nyenyana yin'we.

× =
Nhlayo ya masekwa Timpapa ta nyenyana yin'we



Hetisa leswi landzelaka:

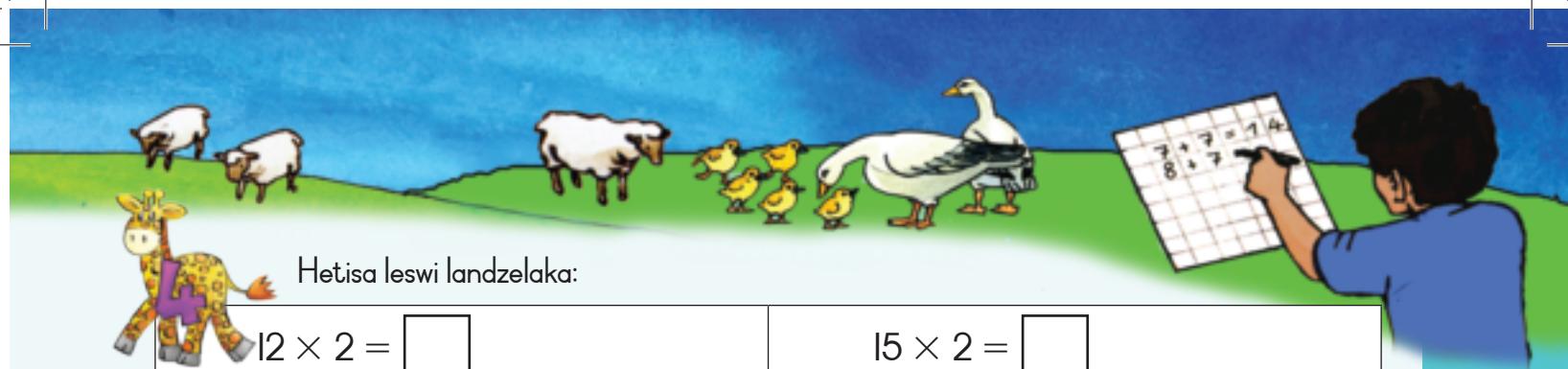
2	4	6							
---	---	---	--	--	--	--	--	--	--



3

Hetisa leswi landzelaka:

5 × = <input type="text"/> wa maapula	4 × = <input type="text"/> wa mabanana
6 × = <input type="text"/> wa mabanana	7 × = <input type="text"/> wa maapula



Hetisa leswi landzelaka:

$$12 \times 2 = \boxed{}$$

$$\begin{array}{r} 1 \quad 0 \\ \textcolor{red}{2} \end{array} \times 2$$

$$= \begin{array}{r} 1 \quad 0 \\ \textcolor{red}{2} \end{array} + \begin{array}{r} 2 \end{array} \times 2$$

$$= \begin{array}{r} 1 \quad 0 \\ \textcolor{red}{2} \end{array} \times 2 + \begin{array}{r} 2 \end{array} \times 2$$

$$= 20 + 4$$

$$= 24$$

$$15 \times 2 = \boxed{}$$

$$\begin{array}{r} 1 \quad 0 \\ \textcolor{red}{5} \end{array} \times 2$$

$$= \boxed{} + \boxed{} \times \boxed{}$$

$$= \boxed{} \times \boxed{} + \boxed{} \times \boxed{}$$

$$= \boxed{} + \boxed{}$$

$$= \boxed{}$$



$$2 + 2 + 2 + 2 = 8$$

kumbe

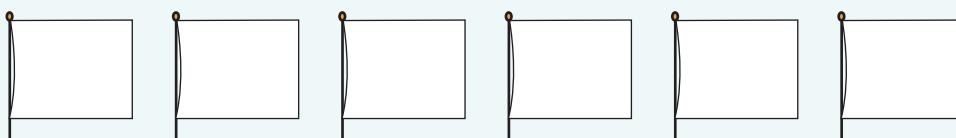
$$4 \times 2 = 8$$

kumbe

$$8 \div 2 = 4$$

Lowu i
mfungho wa
ku avanyisa.

Dirowa 2 wa tanyeleti eka mujeko wun'wana na wun'wana.



$$2 + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



Ku na tibuloko tingani eka swilebe leswi swa chokoleti?

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



85a

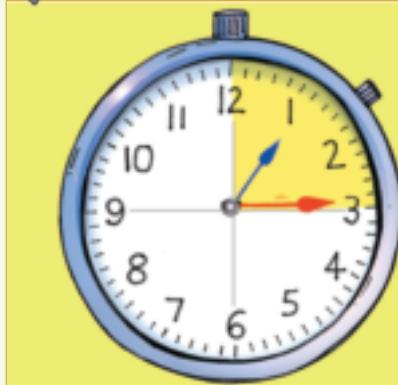


Bula hi wachi.



Ku hundzile kotara

Kotara 3



Rimhondzo ro koma ri hundzile eka n'we.

Rimhondzo ro leha ri yimile eka khumentlhanu wa timinete.

Hi ri i kotara ku bile awara ya n'we.

Hi vula leswaku i kotara ya awara

(15 wa timinete) endzhaku ka awara yo sungula.



Xana i nkarhi muni?



Rimhondzo ro koma ra ha ku hundza _____.

Rimhondzo ro leha ri yime eka _____ wa timinete.

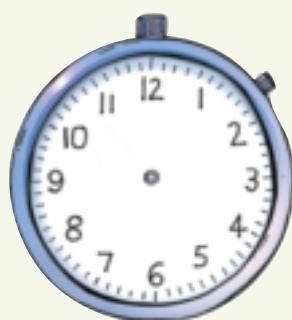
Hi ri i _____ ku bile _____.



Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku bile 8.

Kotara ku bile 3.





Kotara ku ya eka



Bula hi wachi.



Rimhondzo ro koma ri hi komba leswaku awara ya 3 a yi si fika.

Rimhondzo ro leha ri yime eka makumemune ntlanhanu wa timinete.

Hi ri i kotara ya timenete (l5 wa timinete)

ku nga si ba awara ya nharhu.



Xana i nkarhi muni?



Rimhondzo ro koma ri le kusuhi na _____.

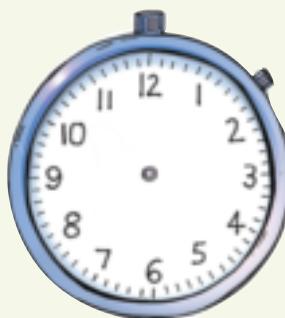
Rimhondzo ro leha ri yime eka _____ wa timinente.

Hi ri nkarhi i _____.



Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku ya
eka 4



Kotara ku ya
eka 8.



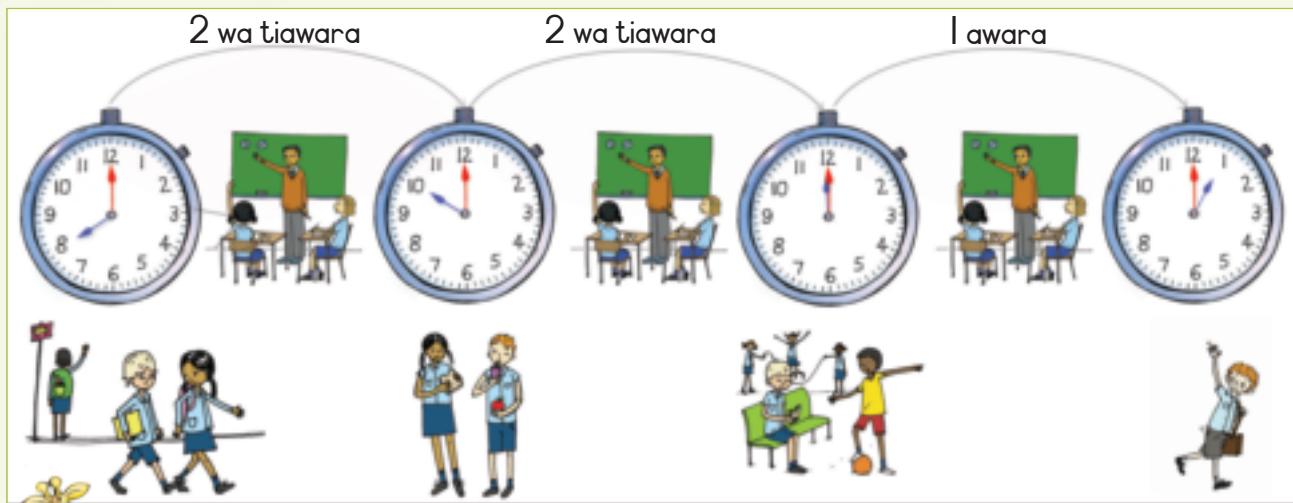
Teacher:
Sign:
Date:

85b

Kotara 3

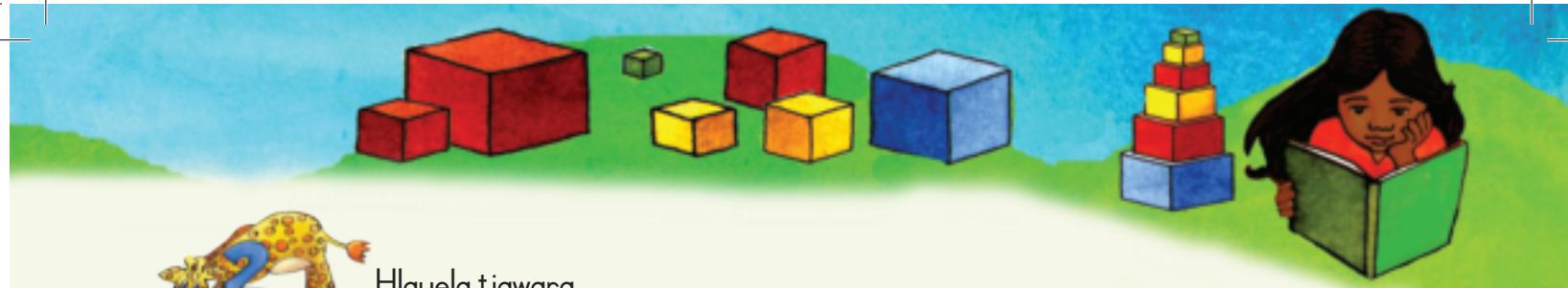
Nkarhi wa hundza

Siku:



Xana swi ku tekile nkarhi wo leha ku fika kwihi ku heta ntirho lowu?





Hlayela tiawara.

Ku na tiawara tingani ku suka eka awara 4 ku fika eka awara ya 7? _____

Ku na tiawara tingani ku suka eka awara 8 ku fika eka awara ya 12? _____

Ku na tiawara tingani ku suka eka awara 1 ku fika eka awara ya 8? _____

Ku na tiawara tingani ku suka eka awara 5 ku fika eka awara ya 10? _____

Ku na tiawara tingani ku suka eka awara 2 ku fika eka awara ya 11? _____



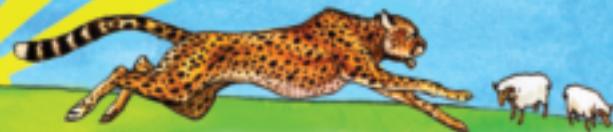
Dirowa xifaniso xa Bongi loko a vhakela vanghana va yena ekaya ka vona hi
Mugqivela hi awara ya 10 nimixo. U vuyile ekaya hi awara ya 3 ninhlekanhi.
Xana u fambile tiawara tingani?



John u yile eku phaseni ka tinhlampfi na tata wakwe. Va sukile hi awara ya 4 nimixo
kasi va vuyile hi awara ya 10. Xana va fambile tiawara tingani?



Teacher:
Sign:
Date:



Mbirihata



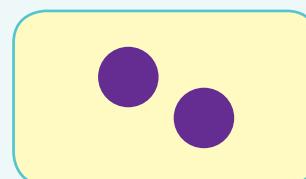
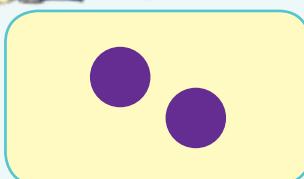
Kotara 3



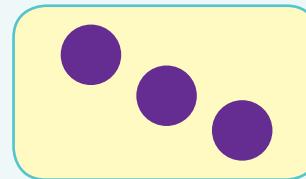
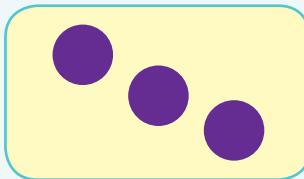
Languta xifaniso xo sungula na xifaniso xa vumbirhi. Ku humelele yini?



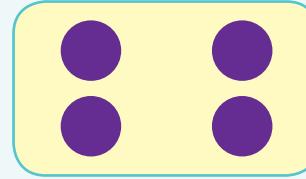
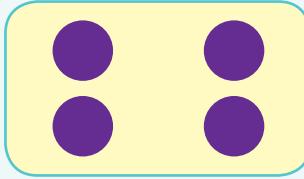
Hlanganisa mathonsi kutani u tsala ntsengo eka man'wana na man'wana.



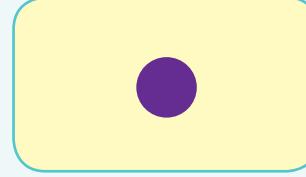
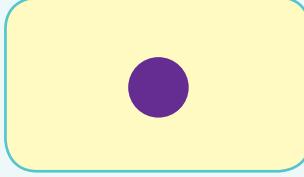
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



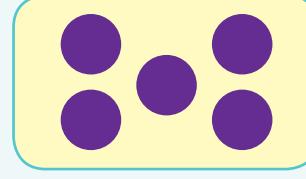
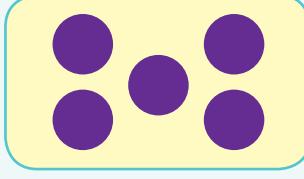
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



Tirhisä mindzhati ya mintsengo ku tsala ntsengo.



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



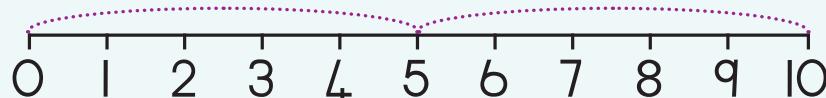
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



Vuyelela kambirhi leswi landzelaka:

1 kambirhi

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$2 \times \boxed{\quad} = \boxed{\quad}$$

2 kambirhi

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$2 \times \boxed{\quad} = \boxed{\quad}$$

3 kambirhi

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$2 \times \boxed{\quad} = \boxed{\quad}$$

4 kambirhi

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$2 \times \boxed{\quad} = \boxed{\quad}$$

5 kambirhi

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$2 \times \boxed{\quad} = \boxed{\quad}$$





2 4 6 8 10 12 14

Teacher: _____
Sign: _____
Date: _____

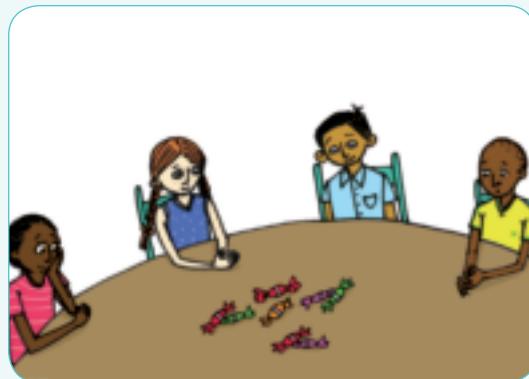
87

Ku andzisa kambirhi ni ku hafula

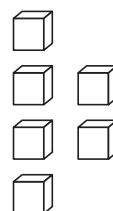
Kotara 3



Languta swifaniso swimbirhi kutani u endla xitori hi swifaniso leswi.



Hlayela swilo leswi kutani u khalara hafu ya swona.

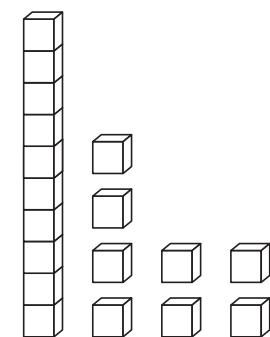


Hlayela

Hafu i

Hlayela

Hafu i



Hetisa leswi landzelaka kutani u dirowa xifaniso.

12 yi andzisiwa
kambirhi i

 +


Hetisa.

14	8		16	
<input type="text"/>				

2

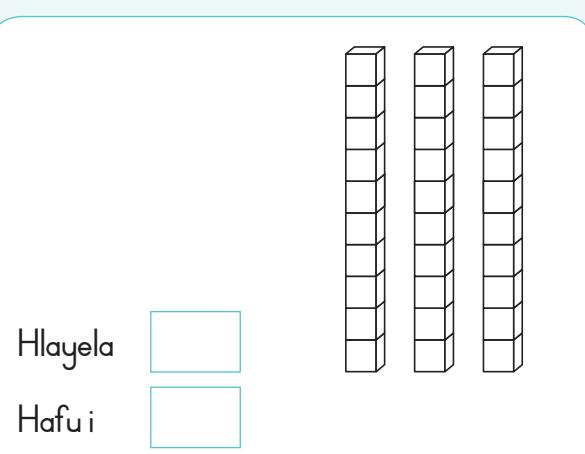
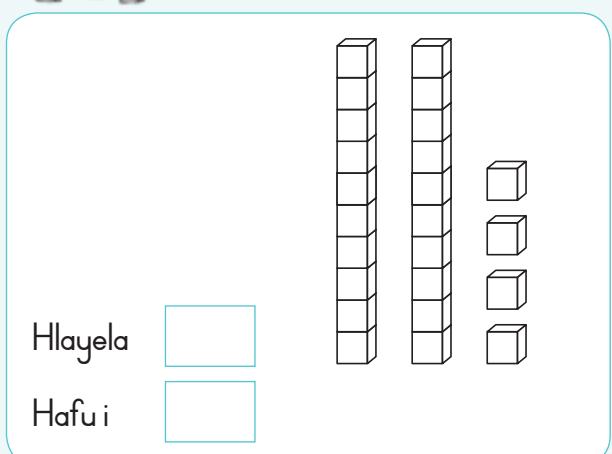
9



Languta swifaniso swimbirhi kutani u endla xitori.



Ku na 10 wa malekere ebegeni.
Hlayela swilo kutani u khalara hafu ya swona.



Hetisa leswi landzelaka kutani u dirowa xifaniso.

$$16 \text{ yi andzisiwa} \\ \text{kambirhi i} \quad \boxed{} \\ \boxed{} + \boxed{}$$



34			36	40
		22		

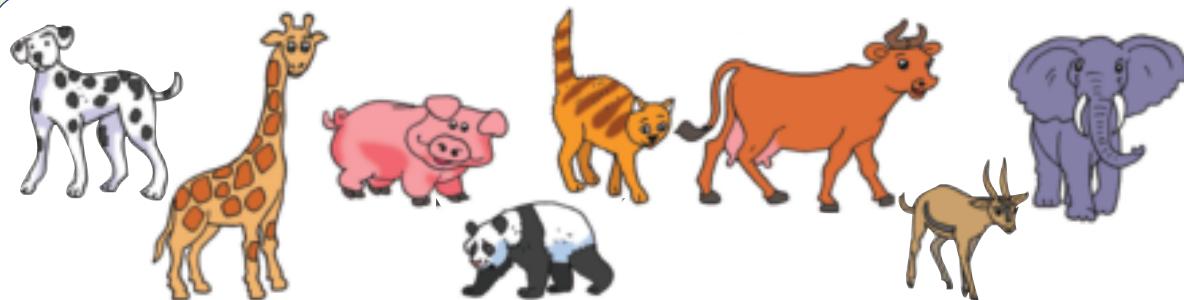
Teacher:
Sign:
Date:



Ku andzisa kun'wana

Swiharhi hinkwaswo swi na 4 wa milenge.

Swiharhi hinkwaswo swi na 2 wa tindleve.



Languta xifaniso kutani u hetisa leswi landzelaka:

Mbyana

$$\boxed{} \times \boxed{} = \boxed{}$$

Nhlayo ya timbyana Milenge ya xiharhi xin'we

$$\boxed{} \times \boxed{} = \boxed{}$$

Nhlayo ya timbyana Matihlo ya xiharhi xin'we

Swiharhi swa nhova

$$\boxed{} \times \boxed{} = \boxed{}$$

Nhlayo ya swiharhi Milenge ya xiharhi xin'we

$$\boxed{} \times \boxed{} = \boxed{}$$

Nhlayo ya swiharhi Tindleve ta xiharhi xin'we



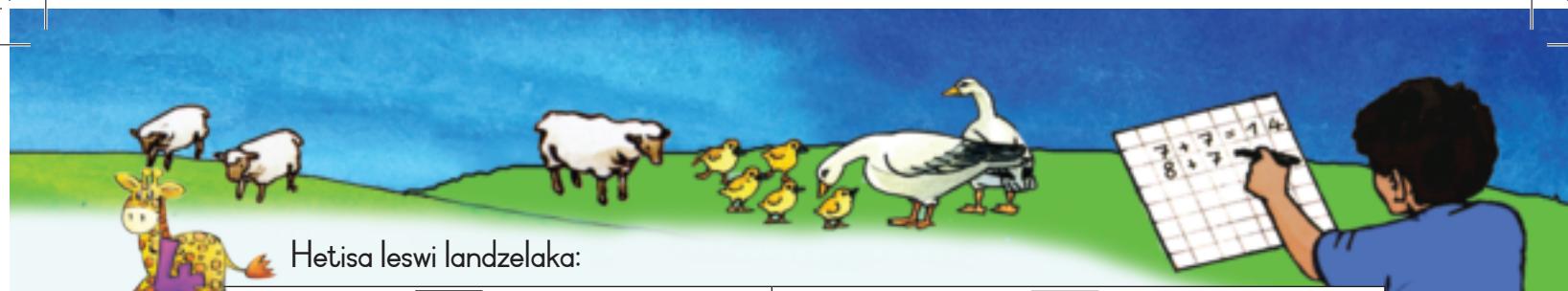
Hetisa leswi landzelaka:

4	8	12							
---	---	----	--	--	--	--	--	--	--



Hetisa leswi landzelaka:

5 × = <input type="text"/> wa maapula	4 × = <input type="text"/> wa mabanana
6 × = <input type="text"/> wa mabanana	7 × = <input type="text"/> wa maapula



Hetisa leswi landzelaka:

$$14 \times 4 = \boxed{}$$

$$\begin{array}{r} 1 \quad 0 \\ \textcolor{teal}{1} \quad 0 \end{array} \quad \boxed{4} \times 4$$

$$= \begin{array}{r} 1 \quad 0 \\ 1 \quad 0 \end{array} + \boxed{4} \times 4$$

$$= \begin{array}{r} 1 \quad 0 \\ 1 \quad 0 \end{array} \times 4 + \boxed{4} \times 4$$

$$= 40 + 16$$

$$= 56$$



$$15 \times 4 = \boxed{}$$

$$\begin{array}{r} 1 \quad 0 \\ 1 \quad 0 \end{array} \quad \boxed{5} \times 4$$

$$= \boxed{} + \boxed{} \times \boxed{}$$

$$= \boxed{} \times \boxed{} + \boxed{} \times \boxed{}$$

$$= \boxed{} + \boxed{}$$

$$= \boxed{}$$



Vanghana vambirhi va tlanga hi sete ya tiyi. Loko va hetile va veketerile swibye swa vona kahle. Xana un'wana na un'wana wa vona u fanele ku kuma swibye swihi leswi fanaka?



Hetisa leswi landzelaka:



Avela vana vambirhi 19 wa timabulu hi ku ringana.

Avela 4 wa vana 22 wa tipenisele hi ku ringana.

Un'wana na un'wana u kuma

Ku sala yini?

Un'wana na un'wana u kuma

Ku sala yini?



Dirowa swifaniso u kombisa tinhlamulo ta wena.

Ava 23 wa tibuku exikarhi ka 4 wa vana.

Ava 15 wa tibuku exikarhi ka 4 wa vana.

Un'wana na un'wana u kuma

Ku sala yini?

Un'wana na un'wana u kuma

Ku sala yini?



89



Tipatironi ta tinomboro

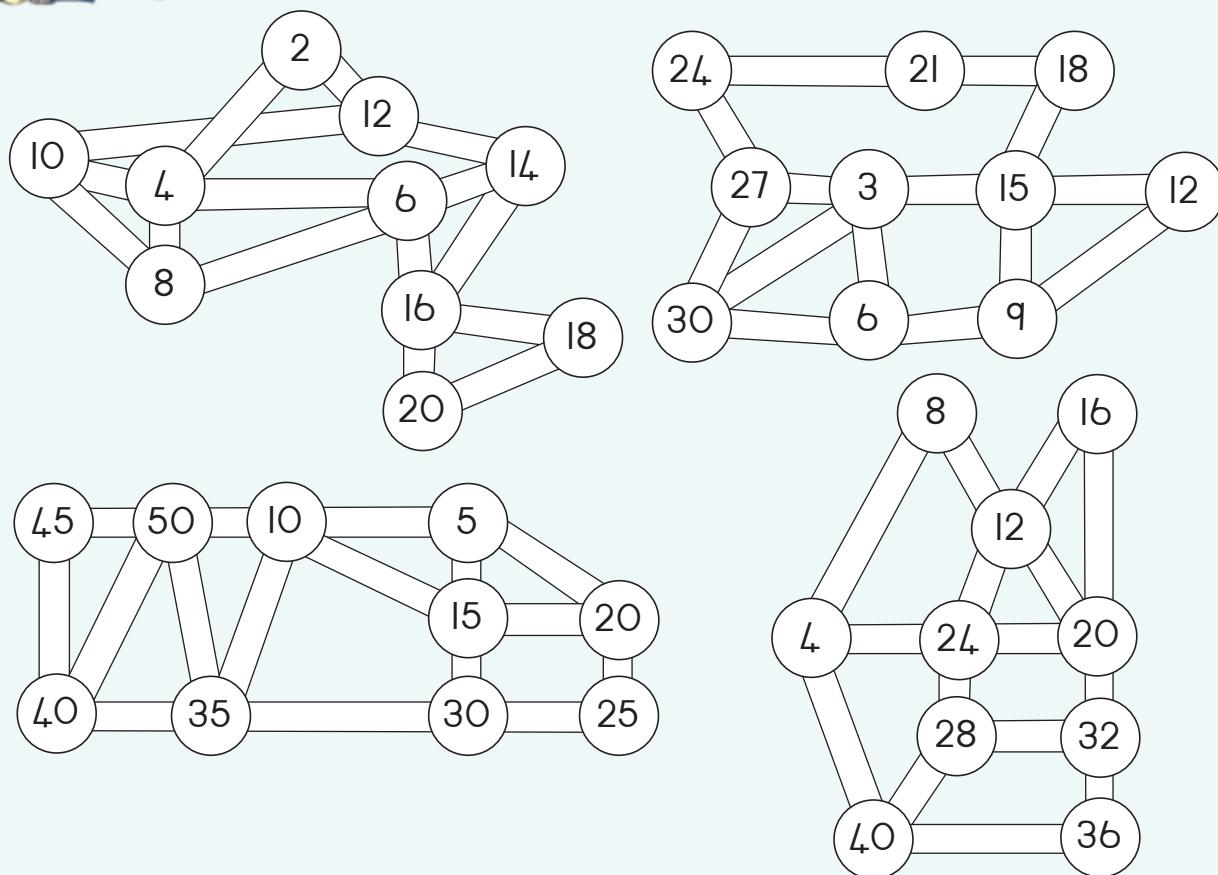
Kotara 3



Nomboro leyi landzelaka etlukeni yi ta va yihi?



Boxa patironi. Dirowa patu u sungula hi nomboro leyitsongo.





Dirowa timhondzo etiwachini u tlhela u hetisa tipatironi ta minkarhi.

4:20	4:25	_____	_____	_____
11:10	11:20	11:30	_____	_____
9:25	9:40	9:55	_____	_____
10:30	10:35	10:40	_____	_____
5:10	5:20	5:30	_____	_____

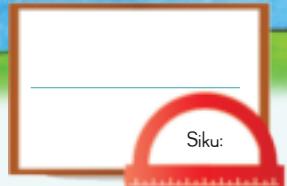


Teacher: _____
Sign: _____
Date: _____

90

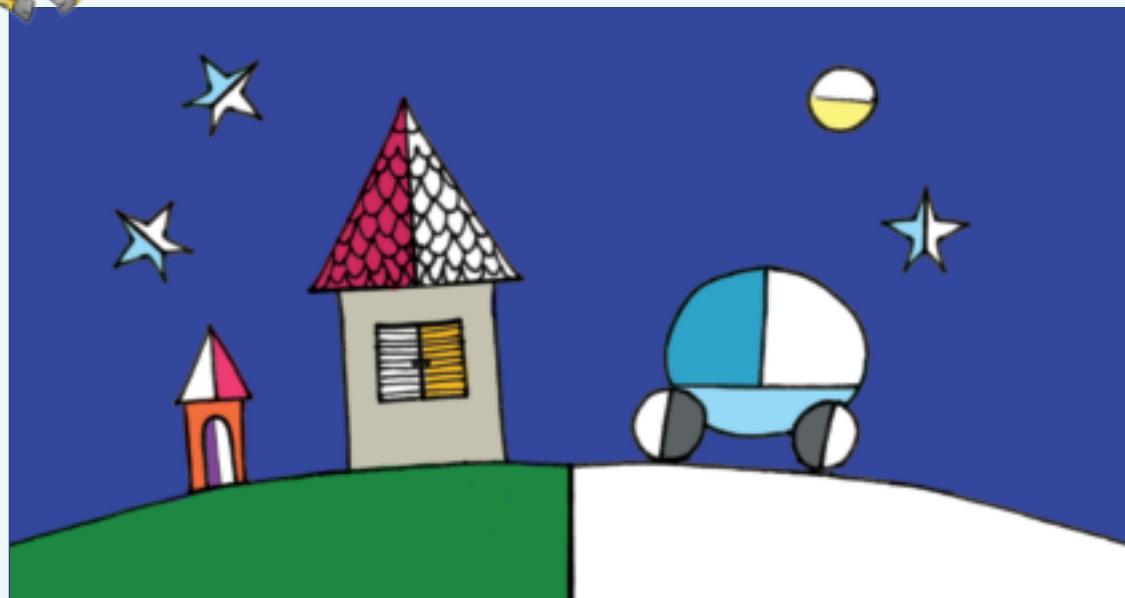


Swiphemu – tihafu



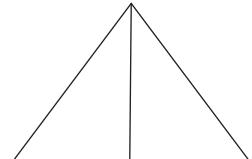
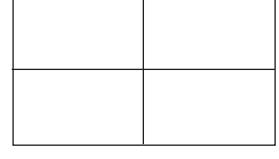
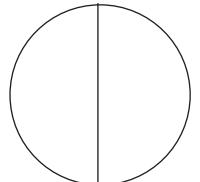
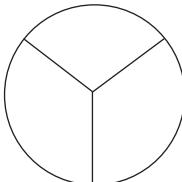
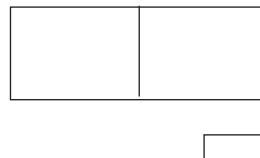
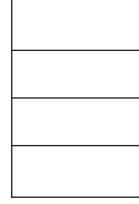
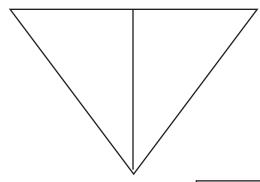
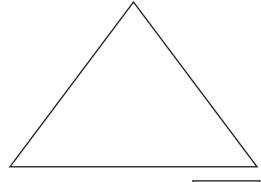
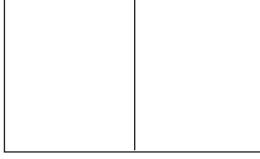
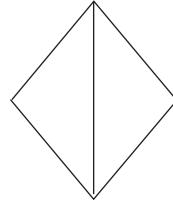
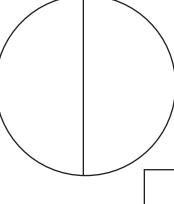
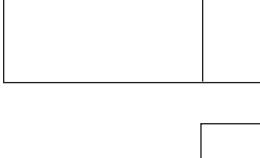
Languta xifaniso. Khalara hafu leyin'wana hi muhlovo lowu fanaka.

Kotara 3



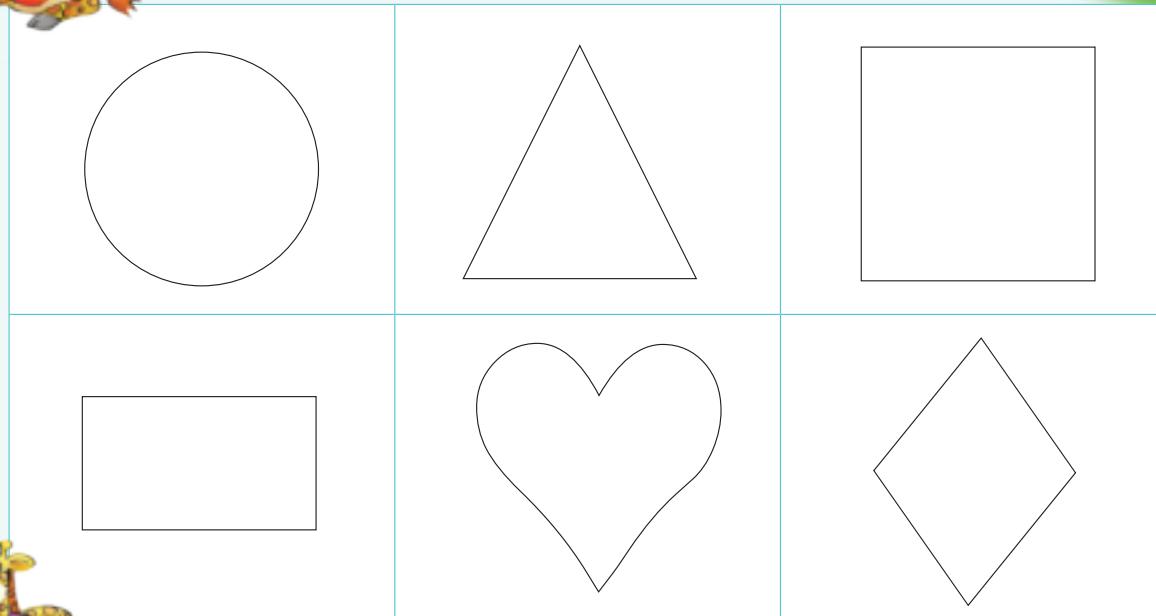
Languta xifaniso. Gwajula swivumbeko leswi kombisaka tihafu.

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

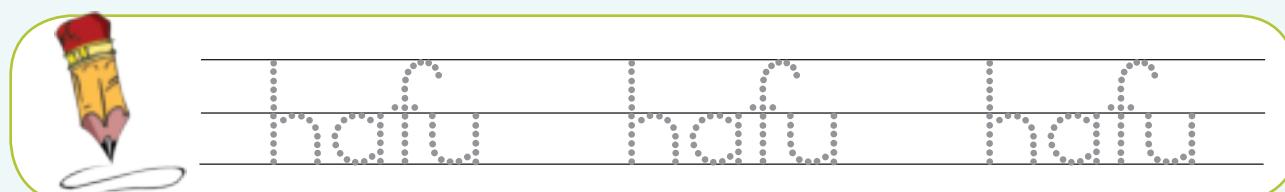
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>



Khalara hafu ya xivumbeko xin'wana na xin'wana.



Khalara hafu ya swiharhi eka buloko yin'wana na yin'wana.



q|

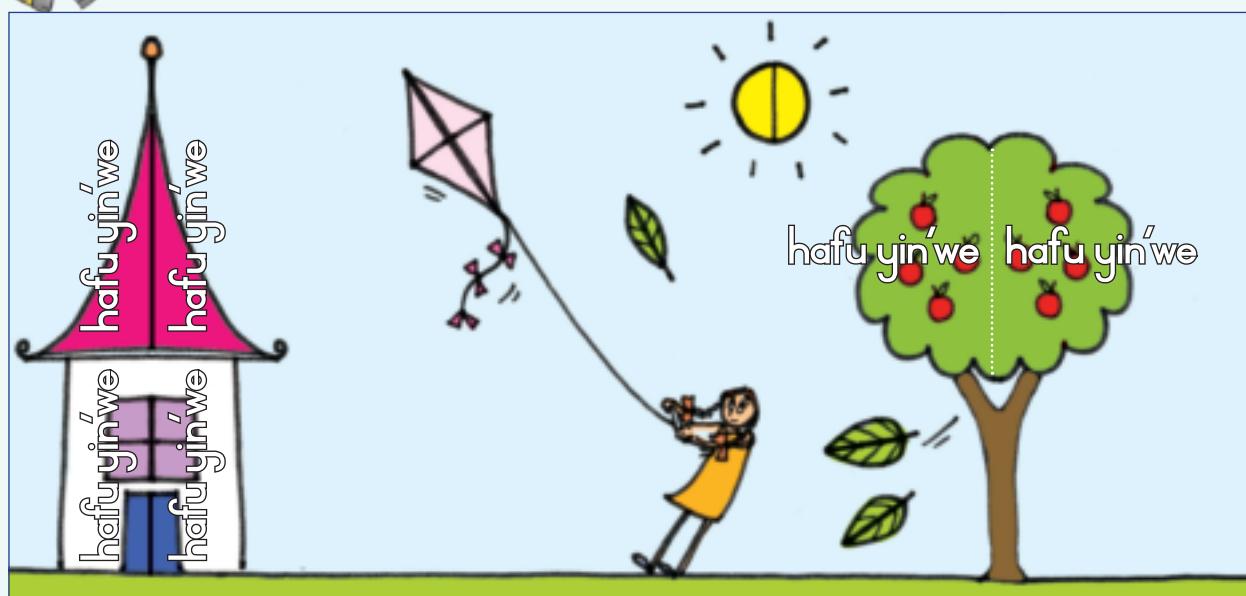


Swiphemu – tihafu tin'wana

Kotara 3



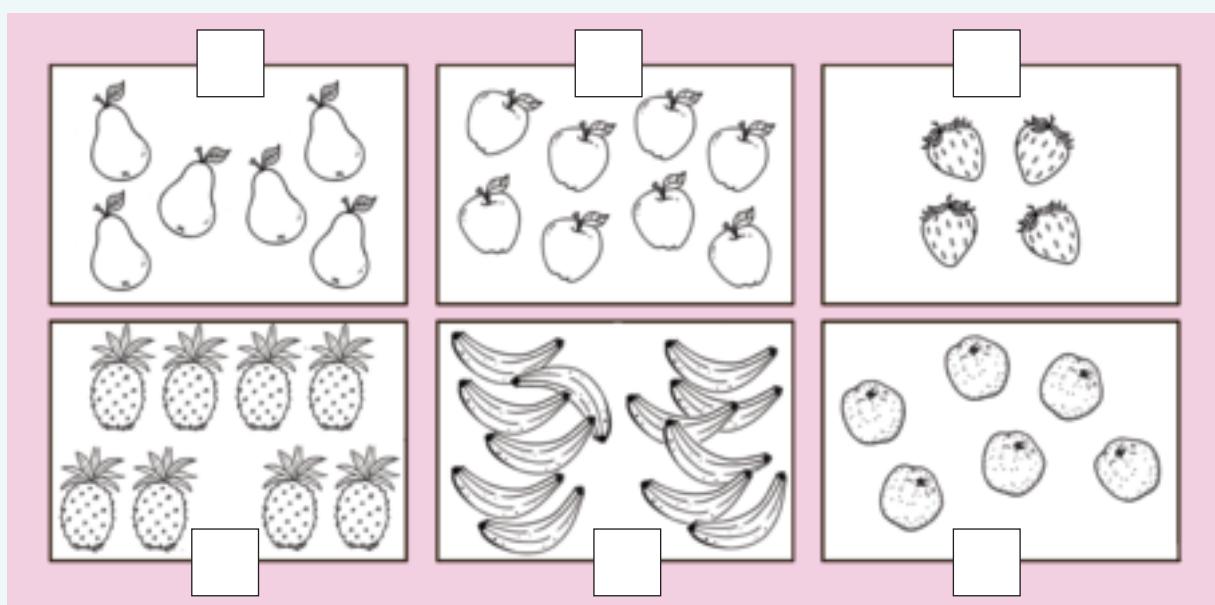
Languta xifaniso. Xana hafu yin'we swi vula yini?



Hafu ya maqpula emurhini i [] .

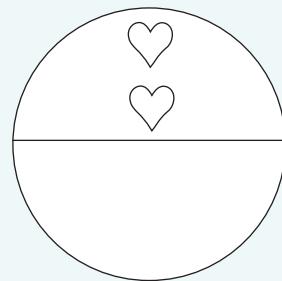
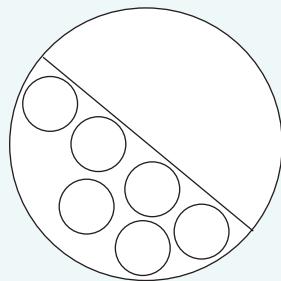
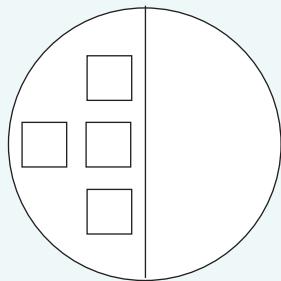
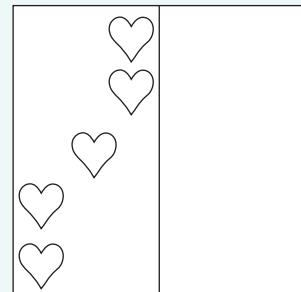
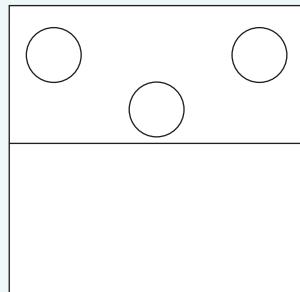
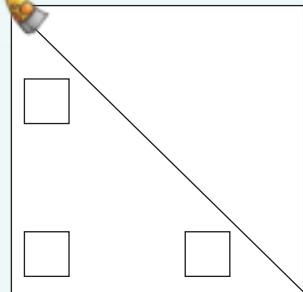


Khalara hafu ya mihandzu eka ntlawa wun'wana na wun'wana.
Xana nomboro ya mihandzu eka ntlawa wun'wana na wun'wana i yini?

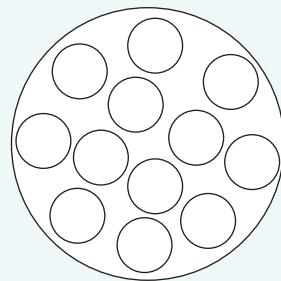
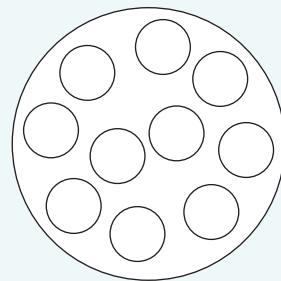
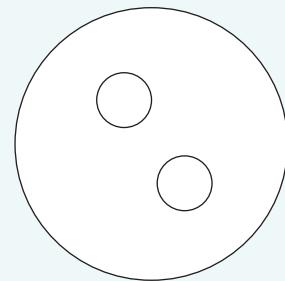
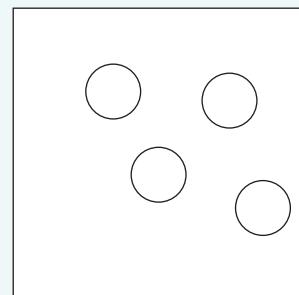
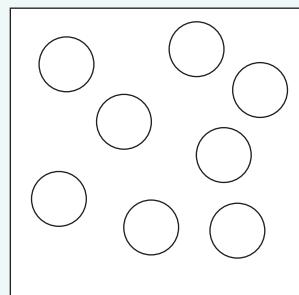
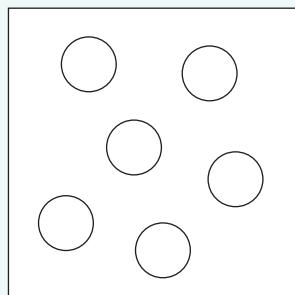




Dirowa hafu ya swivumbeko.



Khalara hafu ya swivumbeko.



hafu hafu hafu



92

Ndhawu na matlhelo

Kotara 3

Xinyenyana xi yime kwihi? Marito ya ta ku pfuna.



Xiyenge xa muako xa
le mahlweni.



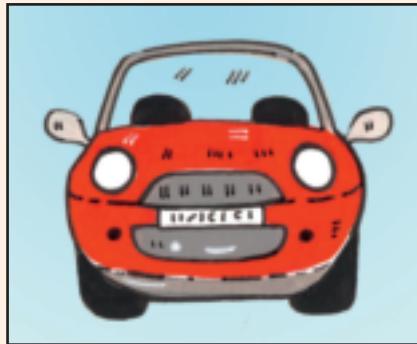
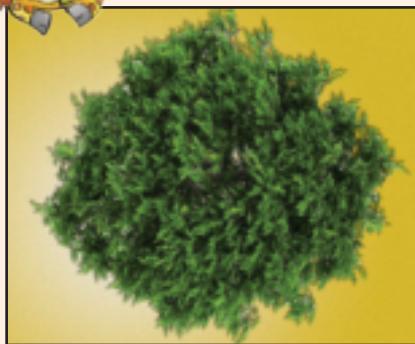
Xiyenge xa muako xa
le tlhelo.



Xiyenge xa muako xa
le henhla.

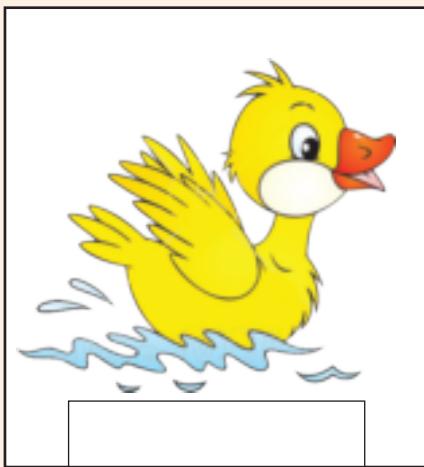


Xana munhu loyi a yimile kwihi loko a vona leswi?

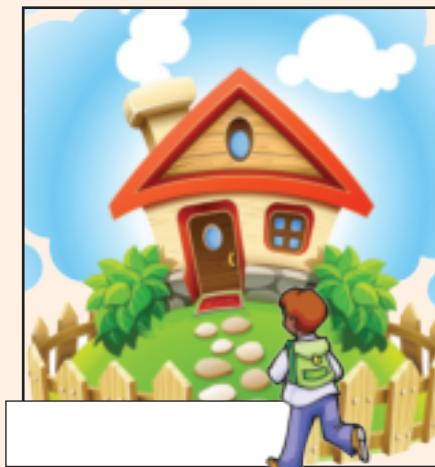


Tsala marito lama eka xifaniso. Xana munhu u vona yini?

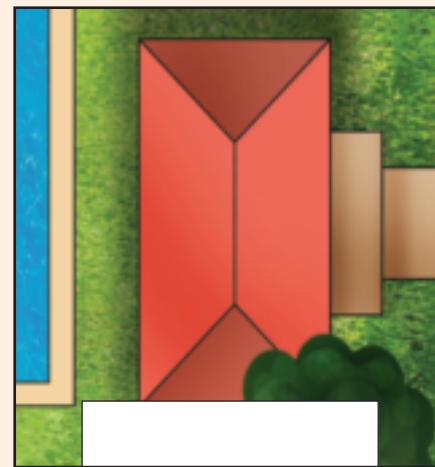
xiyenge xa le mahlweni



xiyenge xa le henhla



xiyenge xa le tlhelo





Vula loko movha wu ri ekusuhi kumbe wu ri ekule ka mufana.



Dirowa murhi ekusuhi na le kule na nhwanyana.



kusuhi



kule



Endla nghingiriko lowu:

- Languta swilo swin'wana na swin'wana swimbirhi hi mahlo mambirhi. Xana u vona yini?
- Pfala tihlo rin'we hi voko rin'we kutani u vona yini sweswi?



11

12

13

14

15

16

17

18

19

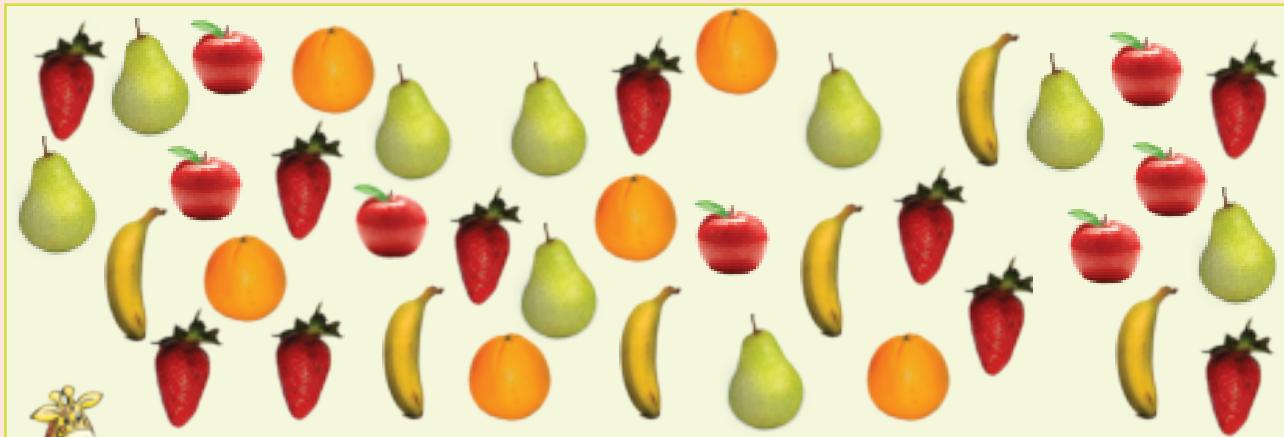
20

q3

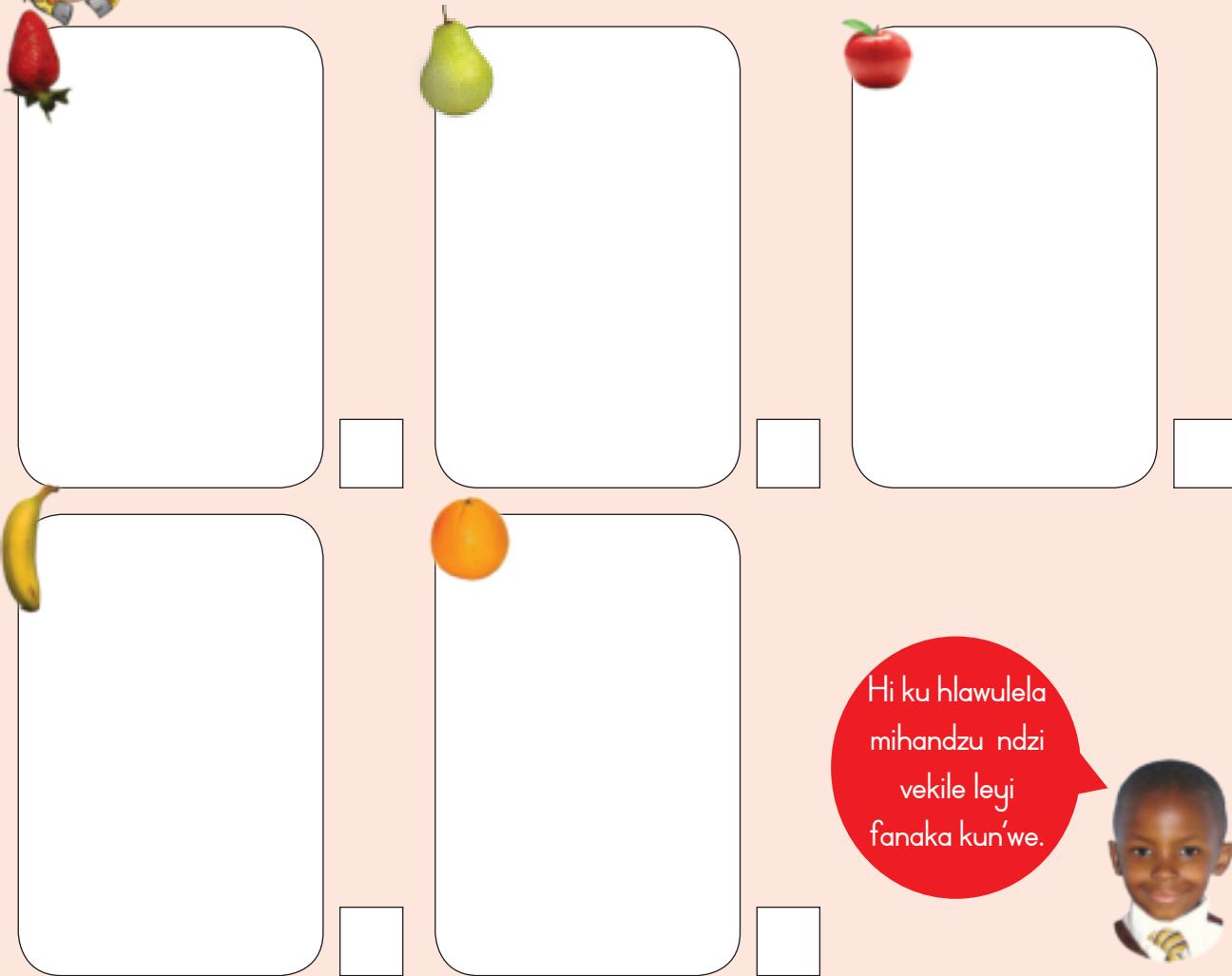


Switiviwa swin'wana swo tala

Kotara 3

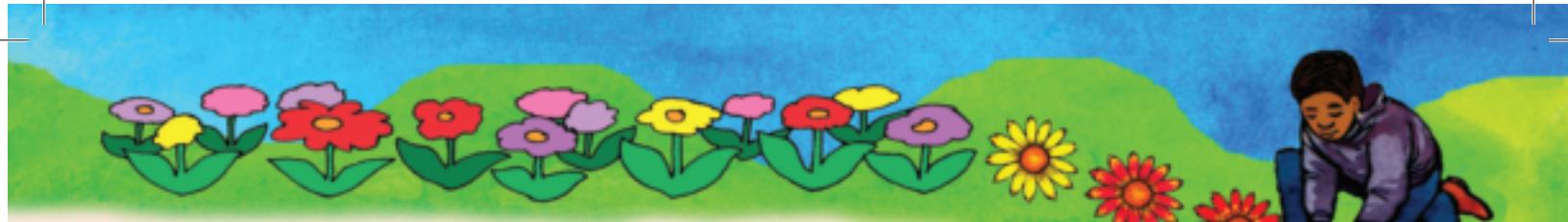


Hlawulela mihandzu. Dirowa swifaniso swa wena ku yi kombisa. Tsala ntsengo ebokisini.



Hi ku hlawulela
mihandzu ndzi
vekile leyi
fanaka kun'we.





Dirowa girafu ya xifaniso xa mihandzu leyi u yi hlawuleleke.

VUTHALA:



A horizontal grid of five square cells, each containing a different fruit. From left to right: a red strawberry with a green stem; a green pear; a red apple with a small green leaf; a yellow banana; and an orange. The grid is set against a white background with a thin red border around each cell.



Languta mihandzu kutani u hlamula swivutiso.

Hlamula swivutiso:

Xana hi wihi muhandzu lowu
nga tala?

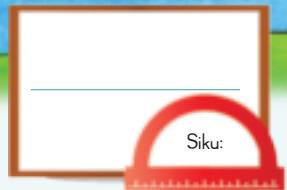
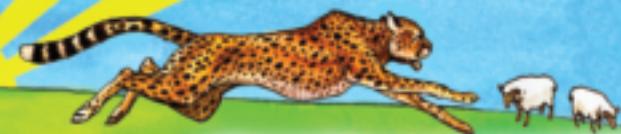
ANSWER

Xana hi wihi muhandzu lowu
nga talangiki?

ANSWER



94a

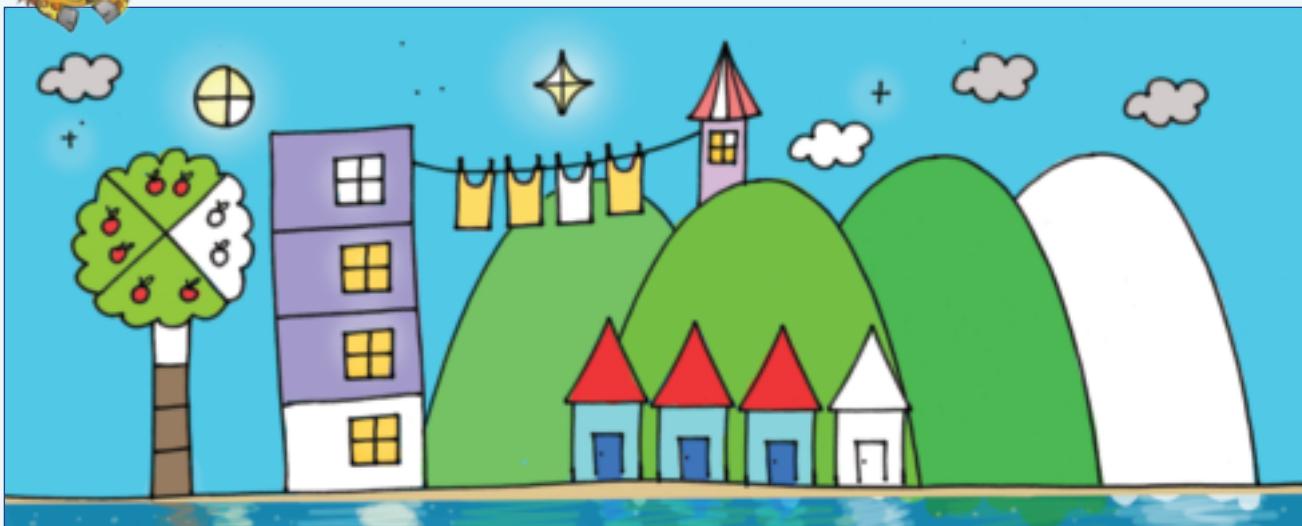


Swiphemu – tikotara

Kotara 3



Khalara kotara yo hetelela hi muhlovo lowu fanaka.



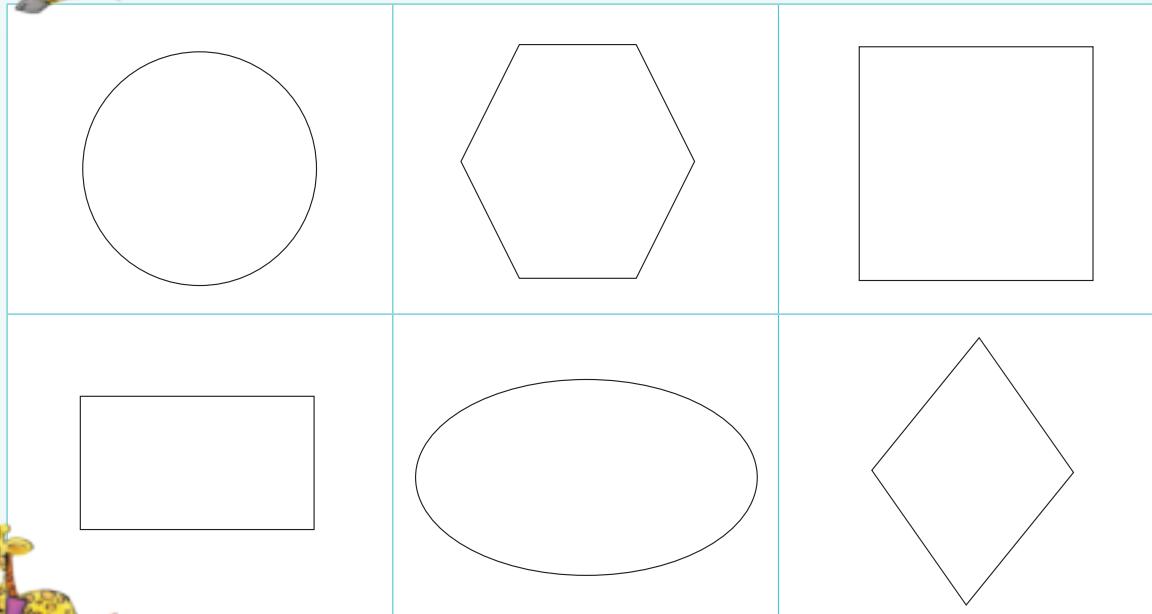
Gwajula swivumbeko leswi kombisaka kotara.

Khalara kotara yin'we ya xivumbeko xin'wana na xin'wana lexi avanyisiweke hi tikotara.

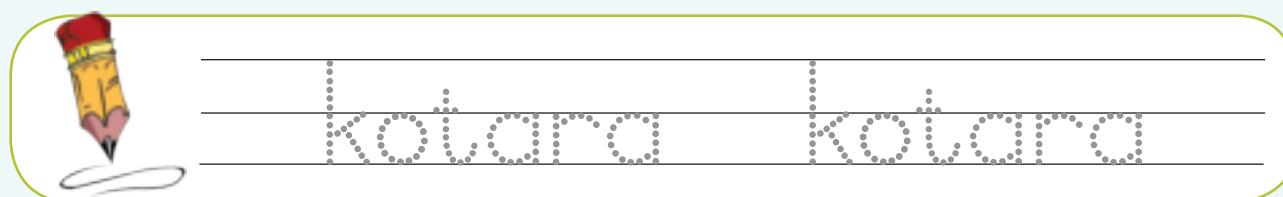
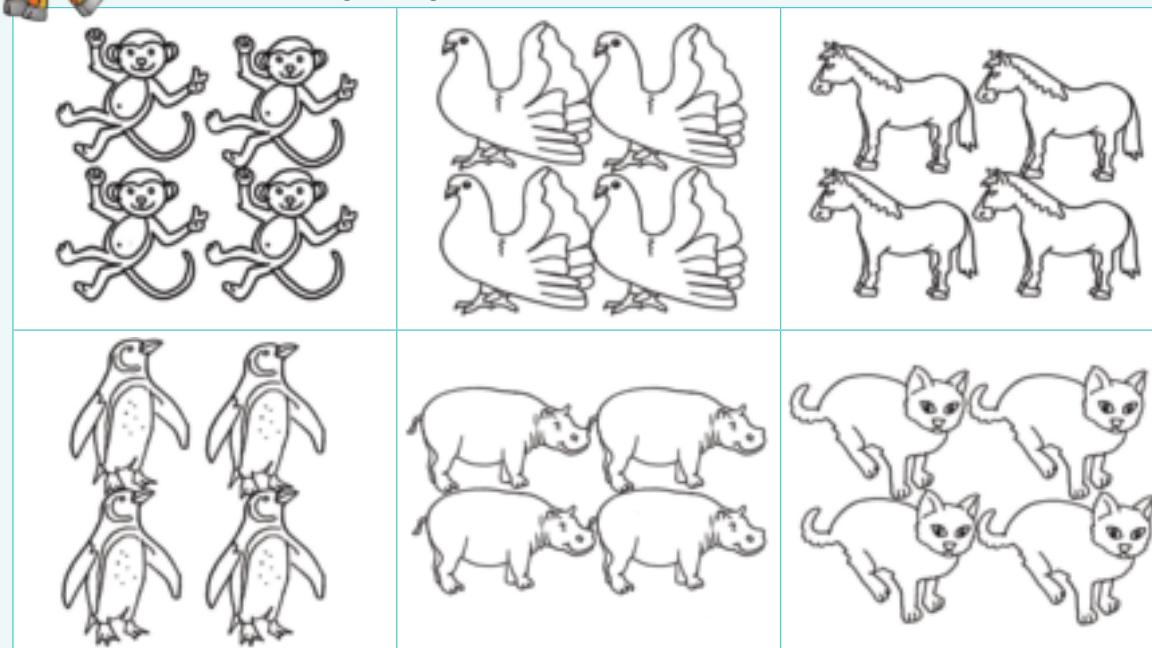
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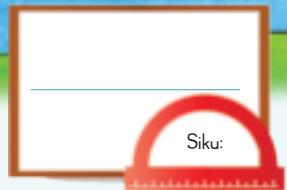
Khalara kotara yin'we ya xivumbeko xin'wana na xin'wana.



Khalara kotara yin'we ya ntława wa swiharhi swin'wana na swin'wana.



94b



Swiphemu – tikotara tin'wana

Kotara 3

Khalara kotara yo hetelela hi muhlovo lowu fanaka.



Hlamula leswi landzelaka:

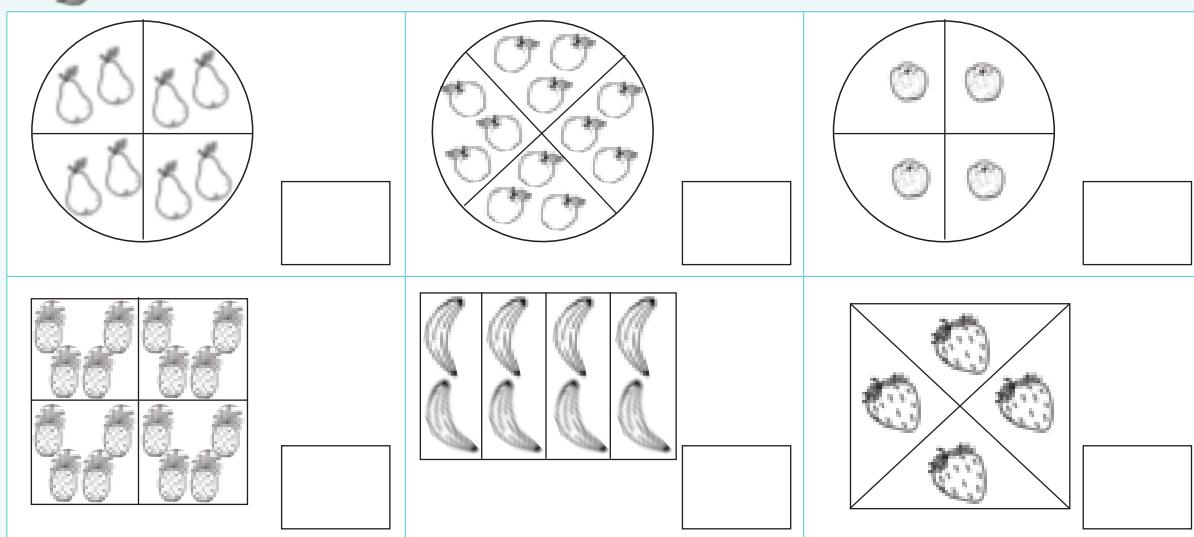
kotara yin'we ya tipyere emurhini i _____.

kotara yin'we ya maapula emurhini i _____.

kotara yin'we ya malamula emurhini i _____.

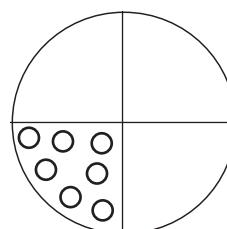
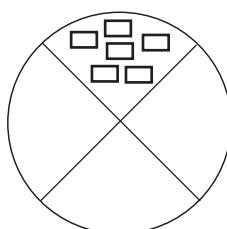
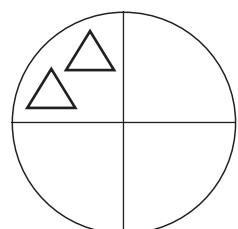
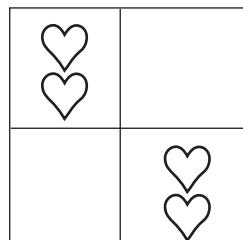
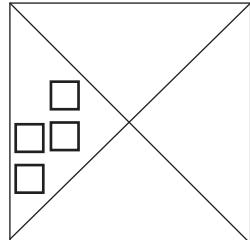
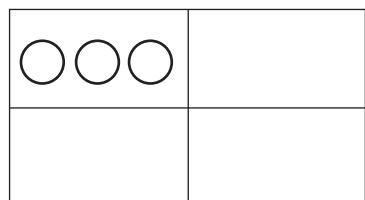


Khalara kotara ya mihandzu eka ntlawa wun'wana na wun'wana. Xana kotara ya nhlayo ya mihandzu eka ntlawa wun'wana na wun'wana i yini.

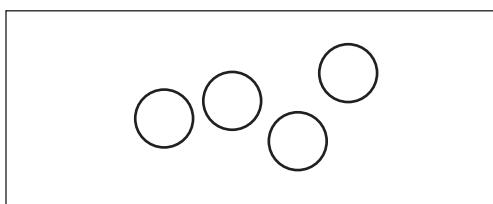
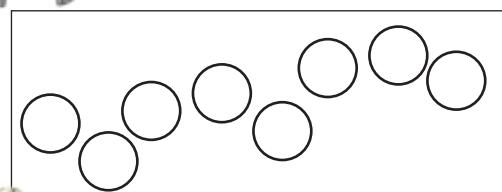




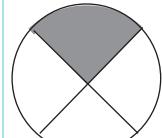
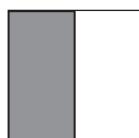
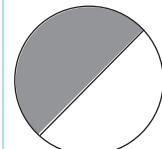
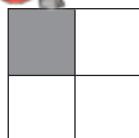
Dirowa swivumbeko swin'wana ku endla leswaku tikotara ti ringana.



Kombisa kotara yin'we ya swivumbeko.



Hi xihi lexikulu? Fungha nhlamulo leyi faneleke.



hafu yin'we



kotara yin'we



Kolara tikotara



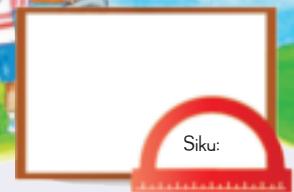
95

Tipatironi ta tinomboro ta swivumbeko

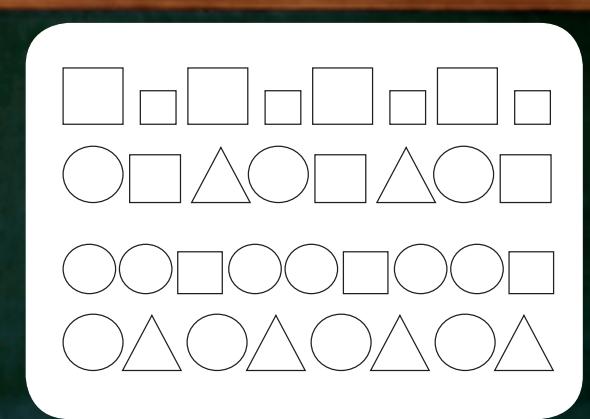
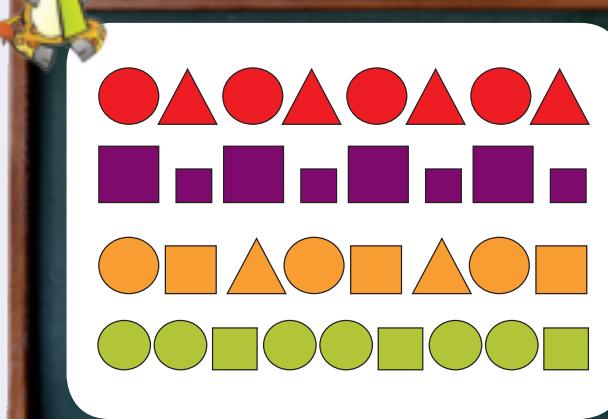
Kotara 3



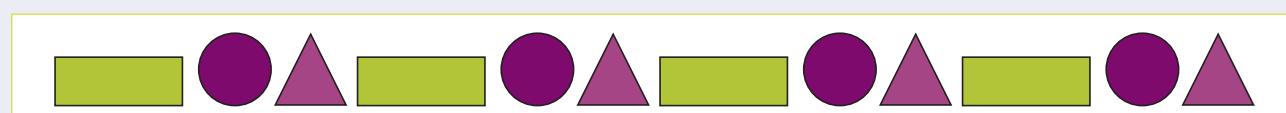
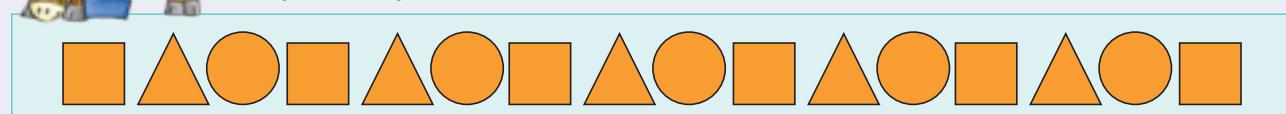
Yelanisa tipatironi.

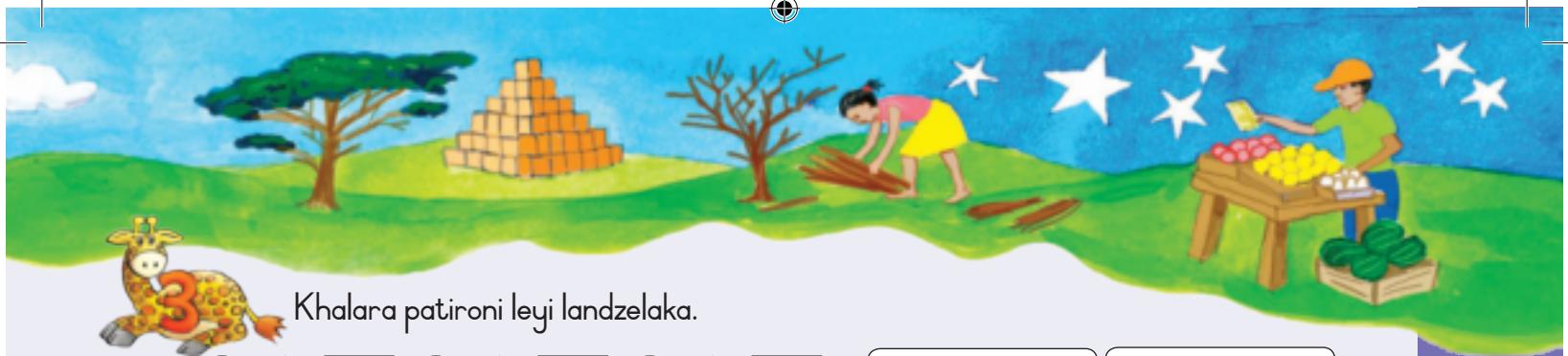


Siku:



Kopunula tipatironi leti landzelaka.

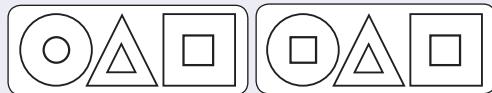




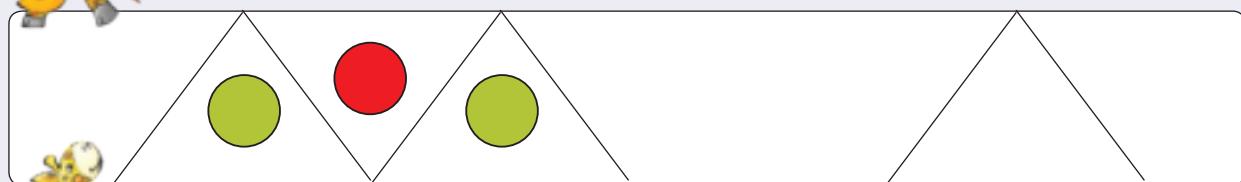
Khalara patironi leyi landzelaka.



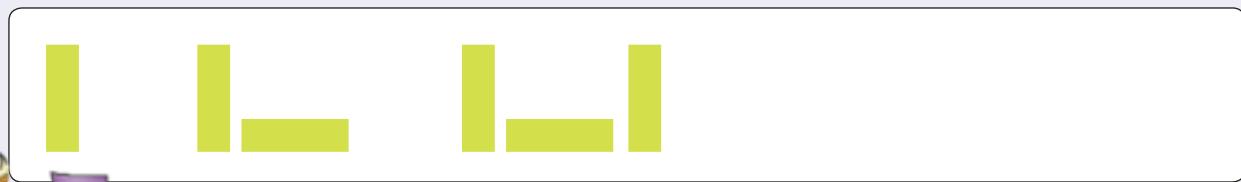
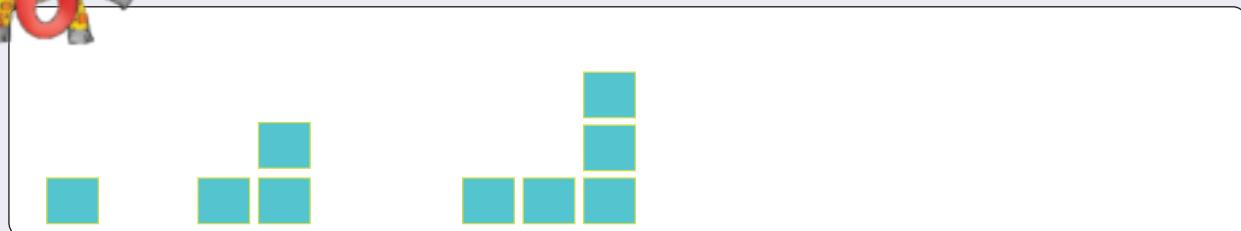
Dirowa patironi leyi landzelaka.



Engetela patironi ya wena.



Dirowa patironi leyi landzelaka.



Dirowa patironi ya wena.



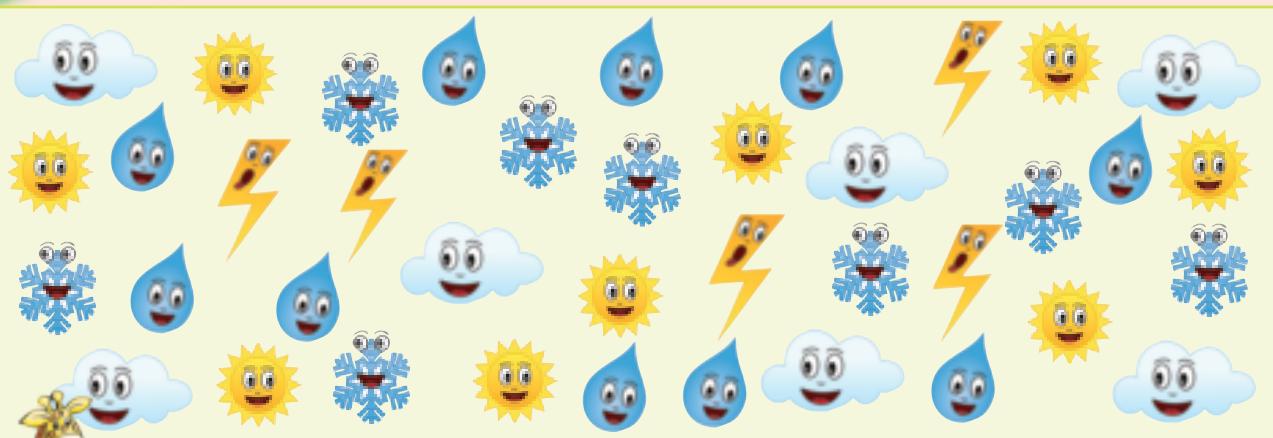
Teacher:
Sign:
Date:

96

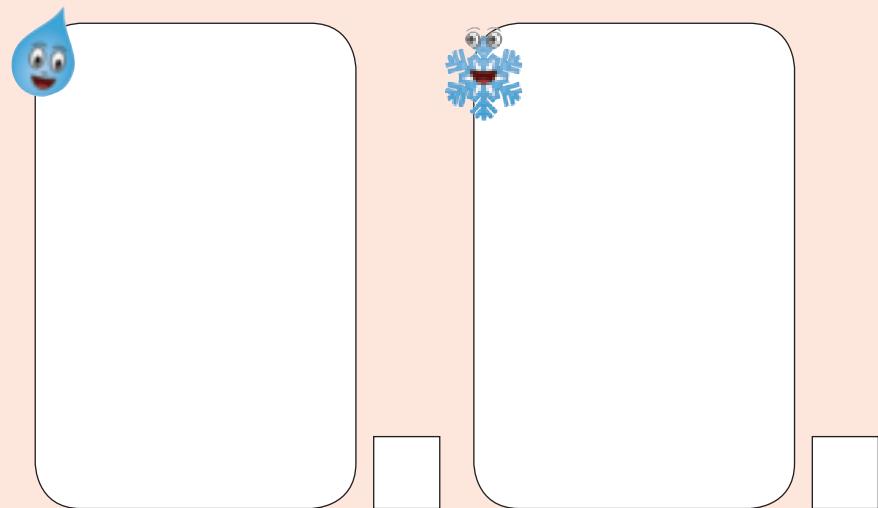
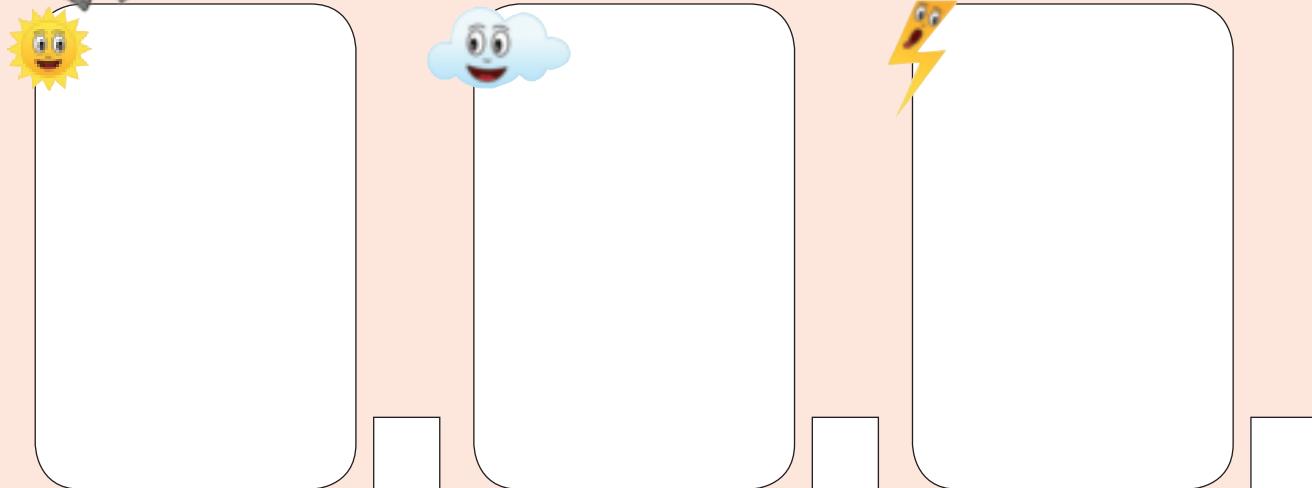


Ku hlawula switiviwa

Kotara 3



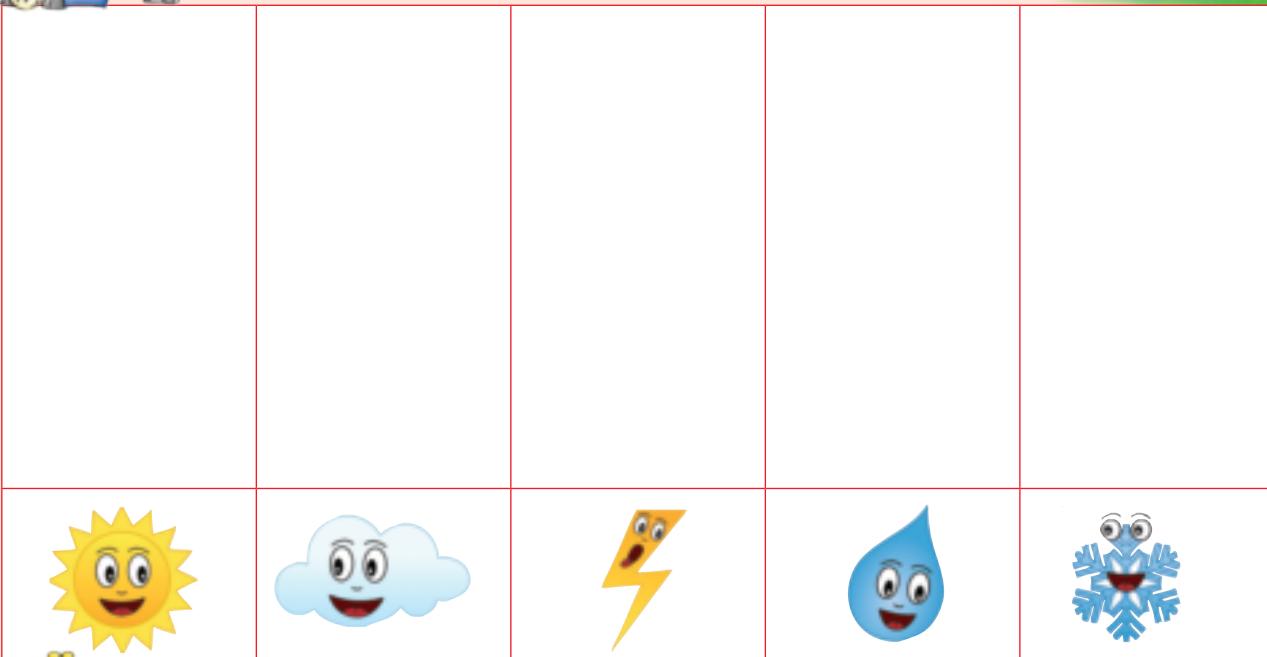
Hlawula mifungho ya maxelo. Dirowa xifaniso xa wena. Tsala ntsengo ebokisini.





Dirowa girafu ya swifaniso swa swipimelo swa
maxelo leswi u swi veketeleke kahle.

VUTHALA:



Tirhisa girafu ya swifaniso laha henhla ku hetisa girafu ya bara laha hansi.
Kutani hlamula swivutiso leswi landzelaka:



Xana hi vile na masiku yo tala
yo hisa kumbe masiku yo tala
ya mapapa?

Xana u ehleketa leswaku i
nguva yihi?

Hikwalaho ka yini?

Xana maxelo lawa ya fana
eswifundzeni hinkwaswo?



11

12

13

14

15

16

17

18

19

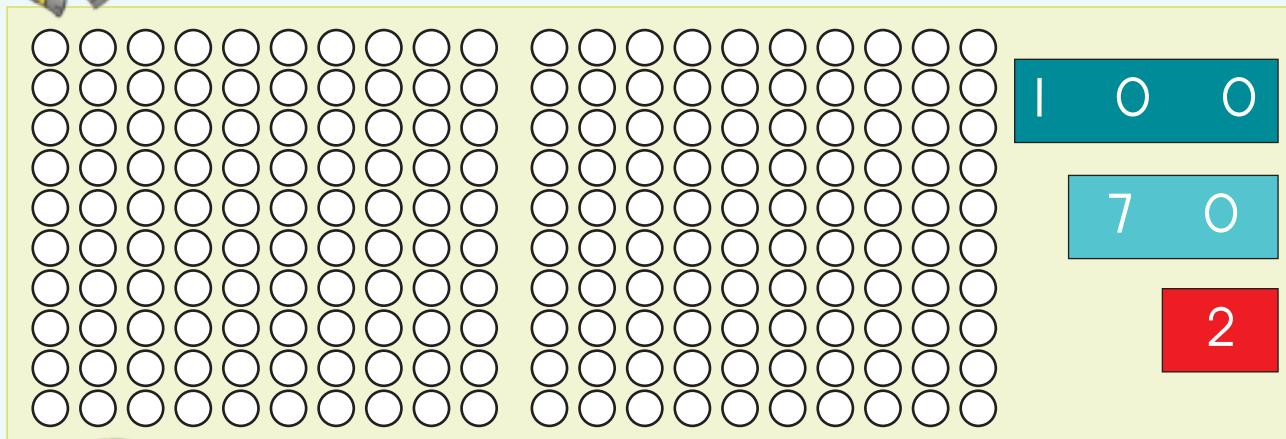
20

q7

Tinomboro ta l50 – l80



Khalara l72 wa swirhendzevutana.



Tsala xivulwa xa tinomboro xa:

$$\begin{array}{r} \textcolor{teal}{l} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{5} \textcolor{white}{0} \\ \hline \textcolor{red}{8} \end{array}$$

$100 + 50 + 8 = 158$

$$\begin{array}{r} \textcolor{teal}{l} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{5} \textcolor{white}{0} \\ \hline \textcolor{red}{q} \end{array}$$

$$\begin{array}{r} \textcolor{teal}{l} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{7} \textcolor{white}{0} \\ \hline \textcolor{red}{2} \end{array}$$

$$\begin{array}{r} \textcolor{teal}{l} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{5} \textcolor{white}{0} \\ \hline \textcolor{red}{0} \end{array}$$

$$\begin{array}{r} \textcolor{teal}{l} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{6} \textcolor{white}{0} \\ \hline \textcolor{red}{7} \end{array}$$

$$\begin{array}{r} \textcolor{teal}{l} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{5} \\ \hline \end{array}$$



Hi tiki tinomboro leti nghenaka exikarhi:

$$l50 \text{ na } l58 \quad \underline{\hspace{10cm}}$$

$$l72 \text{ na } l77 \quad \underline{\hspace{10cm}}$$

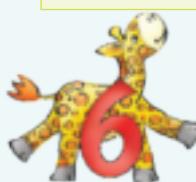
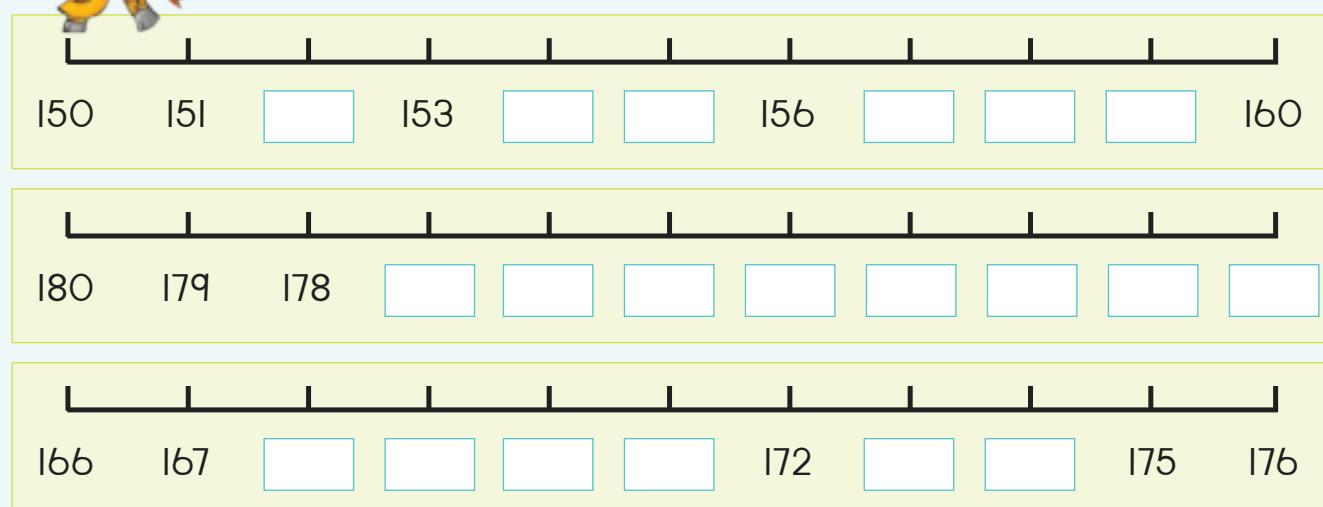
$$l80 \text{ na } l75 \quad \underline{\hspace{10cm}}$$

$$l60 \text{ na } l55 \quad \underline{\hspace{10cm}}$$

$$l65 \text{ na } l60 \quad \underline{\hspace{10cm}}$$



Letitsongo	Nomboro	Letikulu
	I57	
	I65	
	I78	
	I61	
	I74	



q8

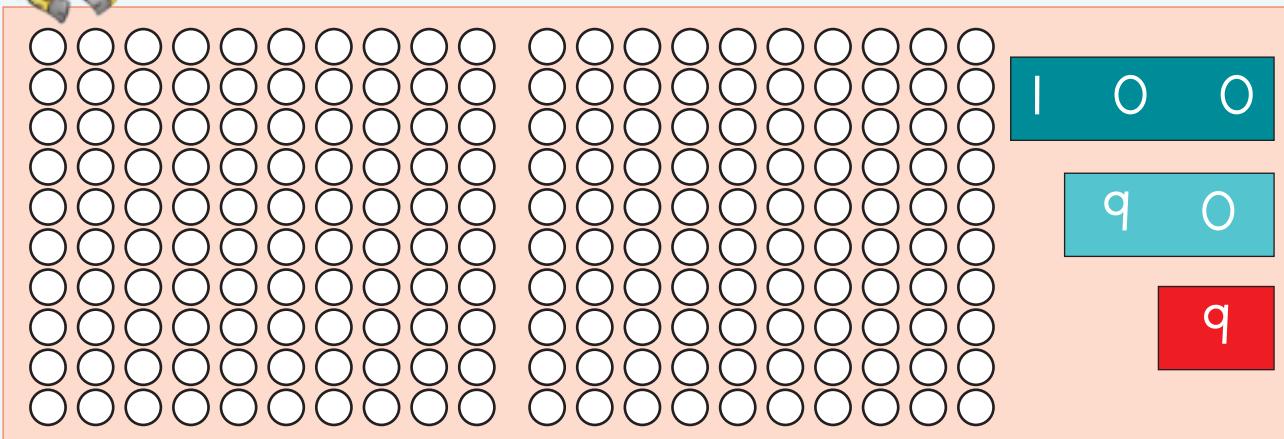


Tinomboro ta l70 – 200

Kotara 4



Khalara l99 wa swirhendzevutana.



Tsala nomboro ya:

$l \ 0 \ 0 + 7 \ 0 \ 7 = 177$	$l \ 0 \ 0 + q \ 0 \ 3 =$	$l \ 0 \ 0 + 8 \ 0 \ 1 =$
$l \ 0 \ 0 + q \ 0 \ 5 =$	$l \ 0 \ 0 + q \ 0 \ q =$	$l \ 0 \ 0 + 7 \ 0 \ q =$



Hi tihhi tinomboro leti nghenaka exikarhi ka:

l70 na l75

l98 na l95

l80 na l75

l68 na l73

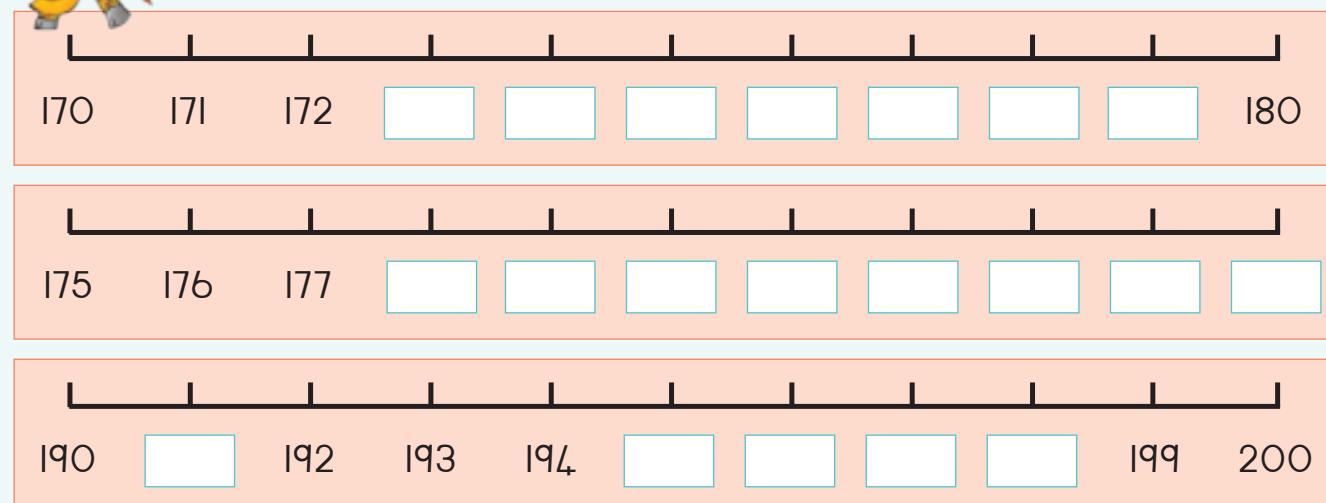
200 na l96



Letitsongo	Nomboro	Letikulu
	170	
	198	
	185	
	174	
	181	



Hetisa mindzhati ya mintsengo.



Tsema tinomboro tinharu ta le xikarhi ka 170 na 200 eka magazini kumbe phephahungu. Ti namarhete hi ndzandzelelano wo suka eka leyikulu swinene ku ya eka leyitsongo swinene.



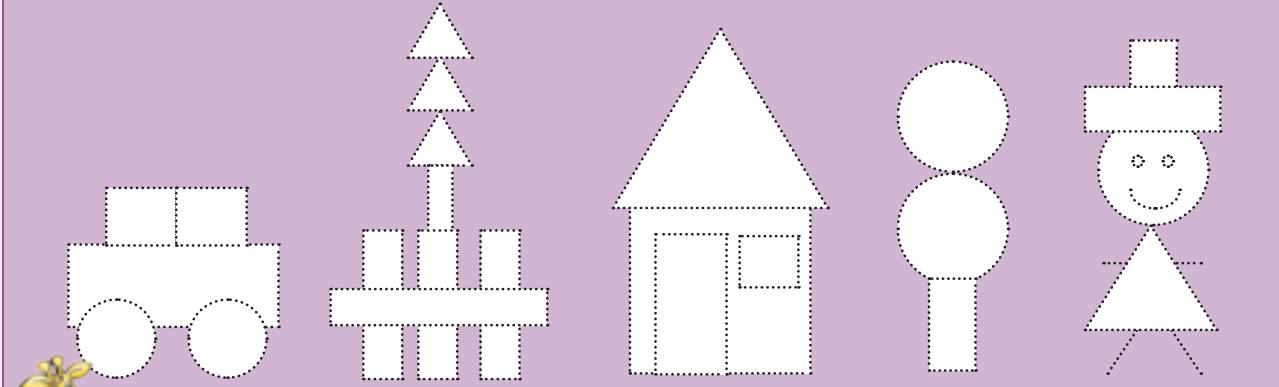
Teacher: _____
Sign: _____
Date: _____

qq

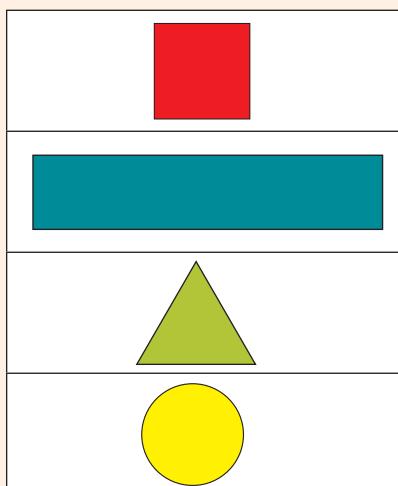
Swivumbeko swa 2 wa matlhelo

Kotara 4

Landzelerisa swivumbeko hinkwaswo. Khalara swirhendzevutana hinkwaswo hi muhlovo wo tshwuka, tiyinhlanhharhu hi rihlaza, swikwere hi xitshopana na tiyinhlamune hi wasi.

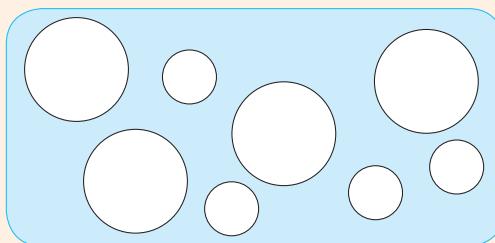


Yelanisa rito na xivumbeko.



Khalara:

- Swirhendzevutana leswikulu hi muhlovo wo tshwuka
- Swirhendzevutana leswitsongo hi xitshopana



yinhlanhharhu

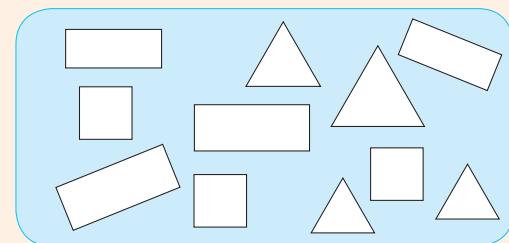
xirhendzevutana

xikwere

yinhlamune

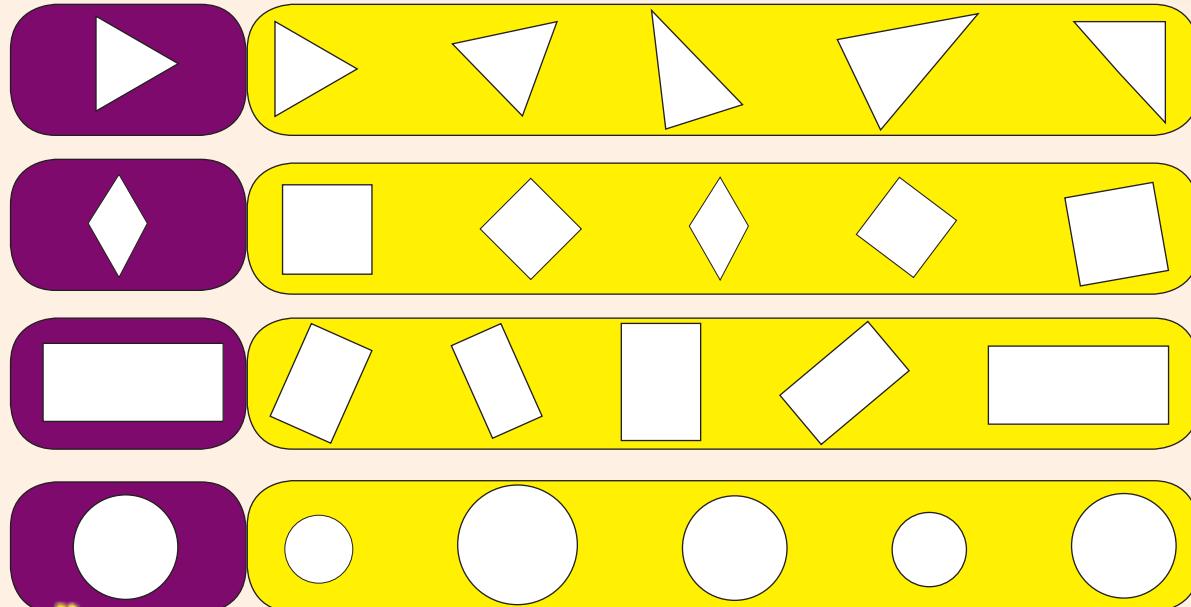
Khalara:

- Tiyinhlamune letikulu hi muhlovo wo tshwuka
- Tiyinhlamune letitsongo hi xitshopana

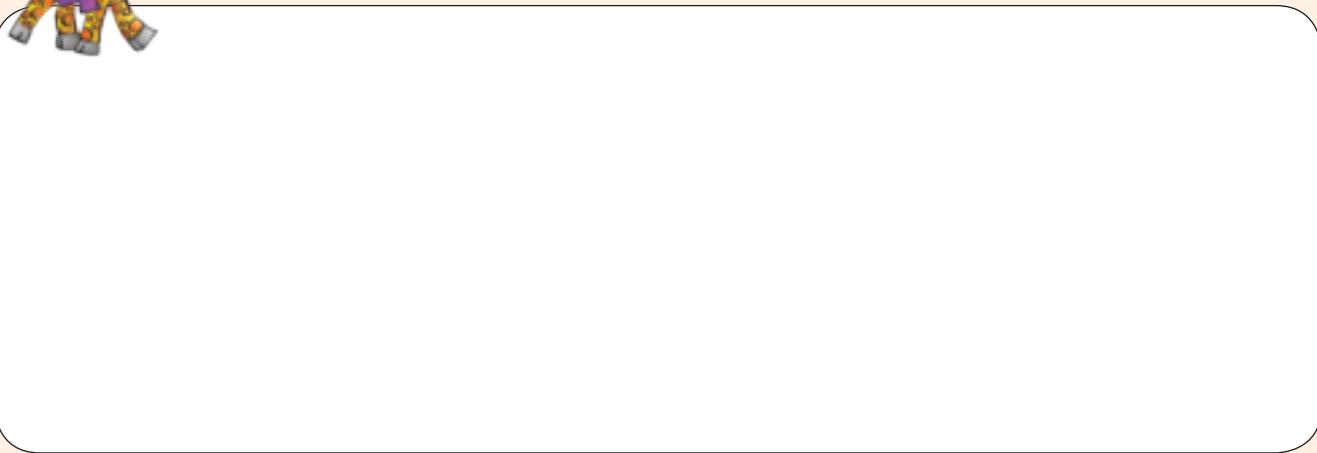




Khalara swivumbeko leswi yelanaka na xivumbeko xo sungula.



Dirowa xifaniso xa wena u tirhisa ntsena swikwere, tiyinhlamune, tiyinhlanharrhu na swirhendzevutana.



Tsema eka phepha ra khale kutani u endla xifaniso xa wena u tirhisa swikwere, tiyinhlamune, swirhendzevutana na tiyinhlanharrhu.



100



Tinomboro ta 0 – 200

Kotara 4



Xana u nga endla tinomboro to hambana tingani?

100	40	2
q	50	100
20	1	70
		8



Hetisa leswi landzelaka:

$100 + 40 + q =$ <input type="text"/>	$100 + 70 + 3 =$ <input type="text"/>	$100 + 20 + 8 =$ <input type="text"/>
$100 + 10 + 7 =$ <input type="text"/>	$100 + 90 + 2 =$ <input type="text"/>	



Tatisa mabokisi lama nga riki na nchumu hi ku tirhisa madzana, vukhume na vun'we ku hetisa tinhlayo leti.

$$181 = \boxed{} + \boxed{} + \boxed{}$$

$$144 = \boxed{} + \boxed{} + \boxed{}$$

$$135 = \boxed{} + \boxed{} + \boxed{}$$

$$156 = \boxed{} + \boxed{} + \boxed{}$$

$$169 = \boxed{} + \boxed{} + \boxed{}$$



Hlanganisa leswi landzelaka:

$60 + 4 = \boxed{}$

$100 + 20 + 3 = \boxed{}$

$90 + 8 = \boxed{}$

$100 + 40 + 9 = \boxed{}$

$40 + 7 = \boxed{}$

$100 + 70 + 8 = \boxed{}$

$30 + 6 = \boxed{}$

$100 + 60 + 1 = \boxed{}$

$50 + 2 = \boxed{}$

$100 + 50 + 5 = \boxed{}$

Tatisa nomboro leyi siyiweke:

$70 + \boxed{} = 71$

$100 + \boxed{} + 3 = 153$

$30 + \boxed{} = 38$

$100 + \boxed{} + 9 = 169$

$60 + \boxed{} = 69$

$\boxed{} + 70 + 8 = 178$

$20 + \boxed{} = 24$

$100 + \boxed{} + 1 = 191$

$80 + \boxed{} = 85$

$100 + 50 + \boxed{} = 157$



Tiendlele tinhlayo hi ku tirhisa madzana, vukhume ni vun'we.

$\boxed{} + \boxed{} + \boxed{} = \boxed{}$

$\boxed{} + \boxed{} + \boxed{} = \boxed{}$



Hi yihi nomboro leyikulu swinene? Hi yihi nomboro leyitsongo swinene?

5	0	9
1	0	0

1	0	0
9	4	0

4	1	0	0
	5	0	

Teacher:
Sign:
Date:

101



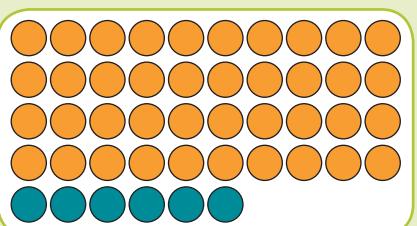
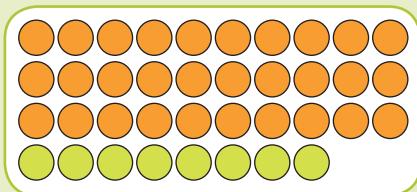
Ku hlanganisa na ku susa

Siku:

Languta bodo ya tinomboro na vuhlalu. Bula hi swona.

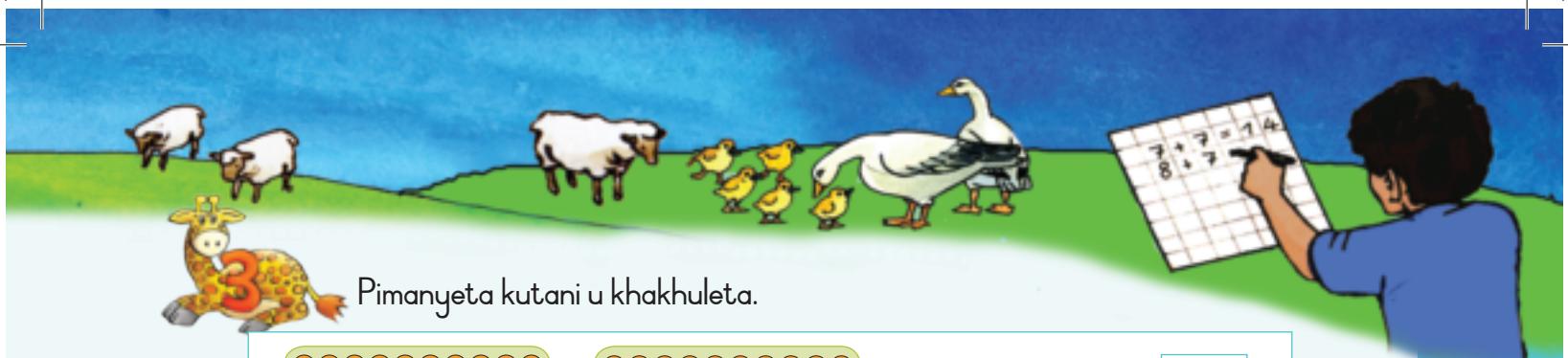
Kotara 4

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

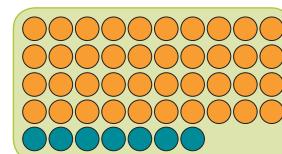


Hlanganisa kumbe u susa vuhlalu.

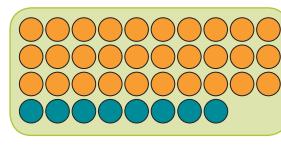
 $ \begin{array}{l} 50 \quad 5 \quad - \quad 30 \quad 6 \\ = 40 + 15 - 30 - 6 \\ = 10 + 9 \\ = 19 \end{array} $	 $ \begin{array}{l} \quad \quad \quad - \quad \quad \quad \\ = \quad \quad \quad + \quad \quad \quad - \quad \quad \quad \\ = \quad \quad \quad + \quad \quad \quad \\ = \quad \quad \quad \end{array} $
 $ \begin{array}{l} \quad \quad \quad + \quad \quad \quad \\ = \quad \quad \quad + \quad \quad \quad + \quad \quad \quad \\ = \quad \quad \quad + \quad \quad \quad + \quad \quad + \quad \quad \\ = \quad \quad \quad + \quad \quad \quad \\ = \quad \quad \quad \end{array} $	 $ \begin{array}{l} \quad \quad \quad + \quad \quad \quad \\ = \quad \quad \quad + \quad \quad \quad + \quad \quad \quad \\ = \quad \quad \quad + \quad \quad \quad \\ = \quad \quad \quad \end{array} $



Pimanyeta kutani u khakhuleta.

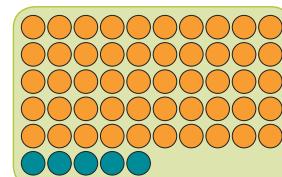


+

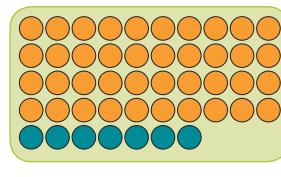


Pimanyeta

Khakhuleta



+



Pimanyeta

Khakhuleta



Khakhuleta hi ku tirhisa maendlelo ya wena.

$53 + 39$

$92 - 48$



Hlanganisa 39 na 29.

Xana hi kuma yini loko hi susa 19 eka 43?

Susa 45 eka 74.

Loko u susa 69 eka 82 u kuma yihi?

11

12

13

14

15

16

17

18

19

20

Ku hlanganisa na ku susa nakambe

Kotara 4



Languta abakhasi eximatsini na le xineneni. Xana u vona yini?



2 0

8

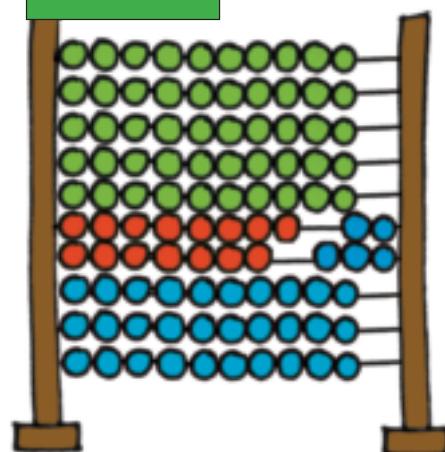
3 0

7

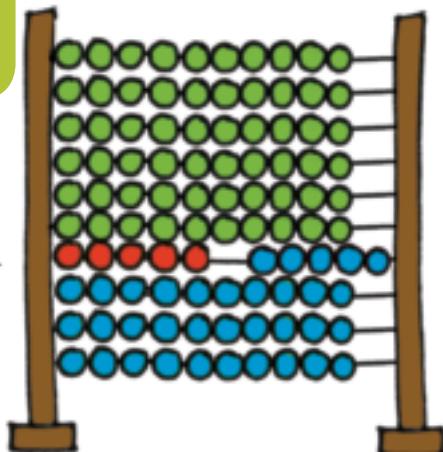
Hlanganisa
tinomboro timbirhi.

6 0

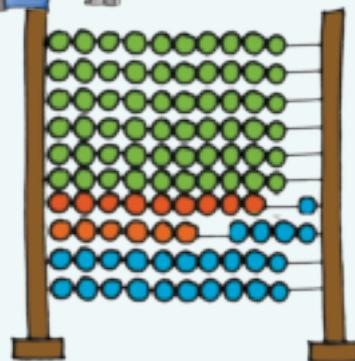
5



Ti
ringana na?

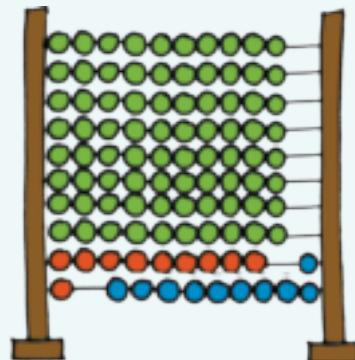


Tsala nhlayo yo hlanganisa na yo susa. Yi khakhulete.



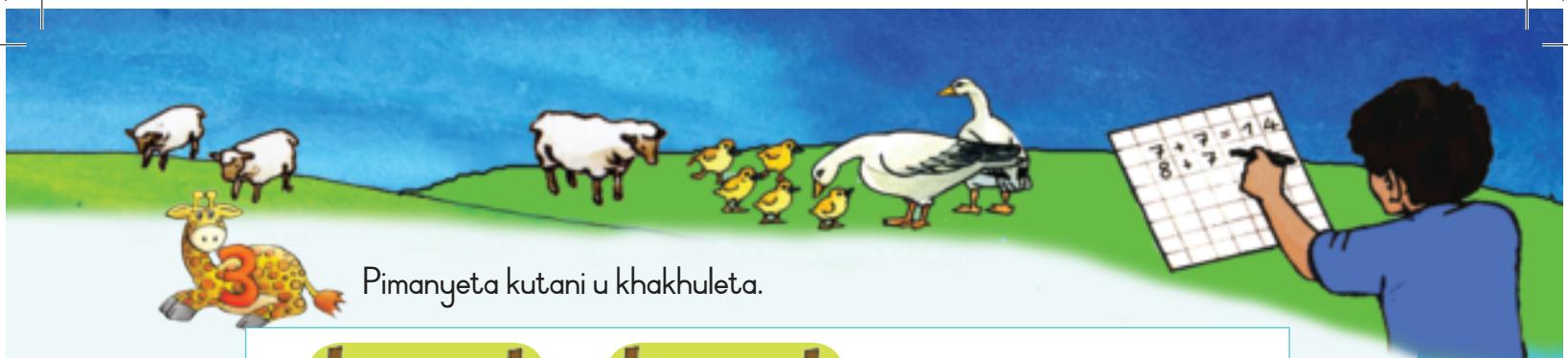
Nhlayo yo hlanganisa

Nhlayo yo susa



Nhlayo yo hlanganisa

Nhlayo yo susa



Pimanyeta kutani u khakhuleta.

$+$	Pimanyeta <input type="text"/> Khakhuleta <input type="text"/>
$-$	Pimanyeta <input type="text"/> Khakhuleta <input type="text"/>



Khakhuleta hi ku tirhisa maendlelo ya wena.

$58 + 35$

$34 - 26$



Teacher: _____
Sign: _____
Date: _____

Loko u hlanganisa 72 na 19 u kuma yini?

Ntsengo wa 46 na 27.

Susa 34 eka 72.

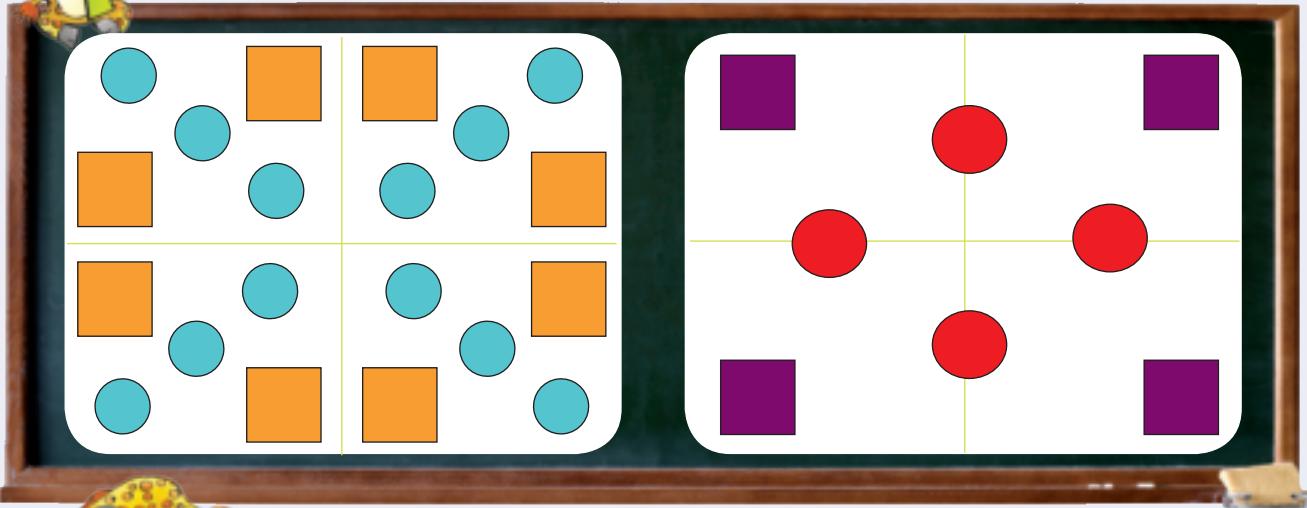
Ku hambana exikarhi ka 81 na 36.

103

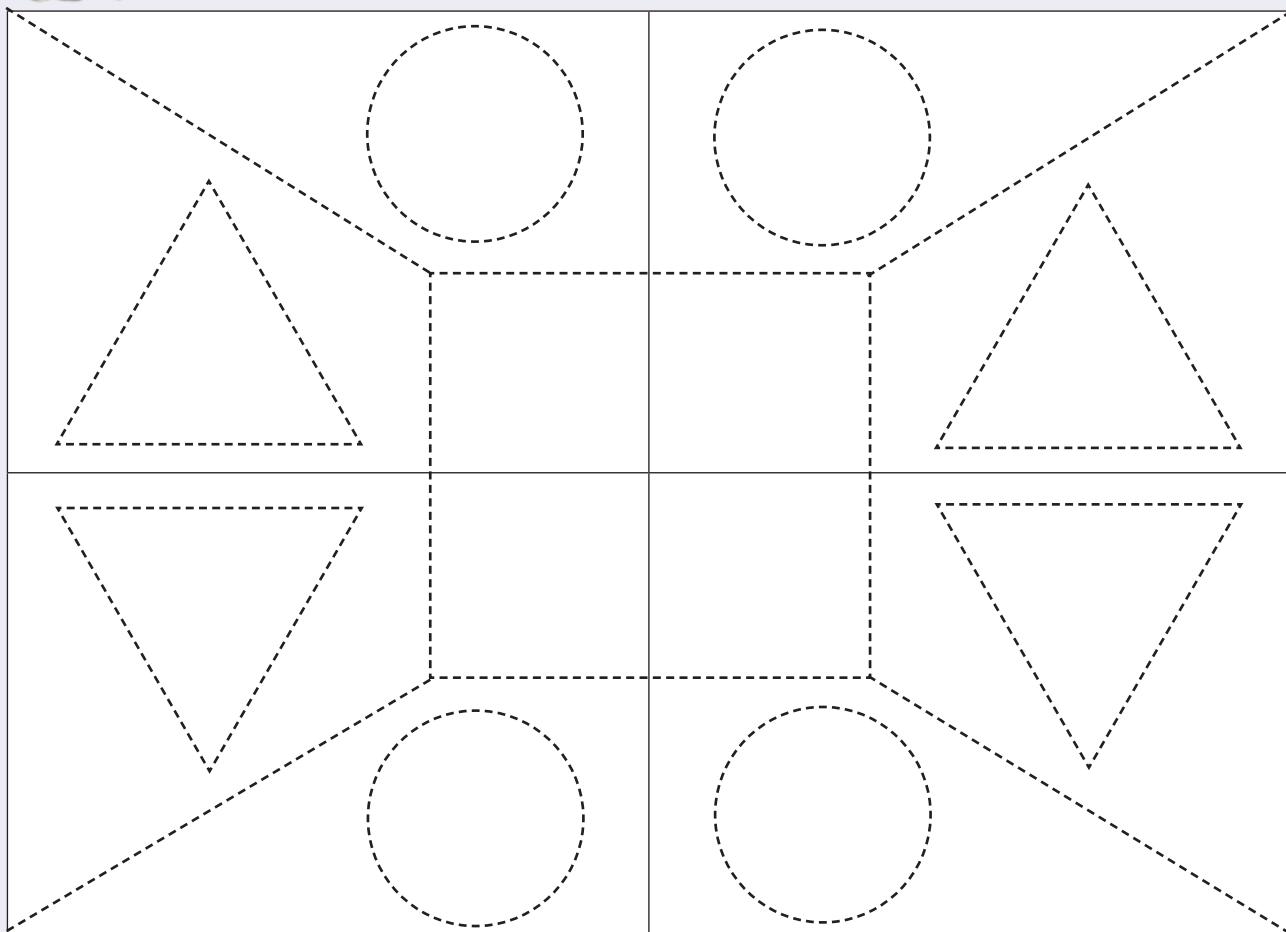
Tipatironi ta swivumbeko

Kotara 4

Hlamusela patironi.

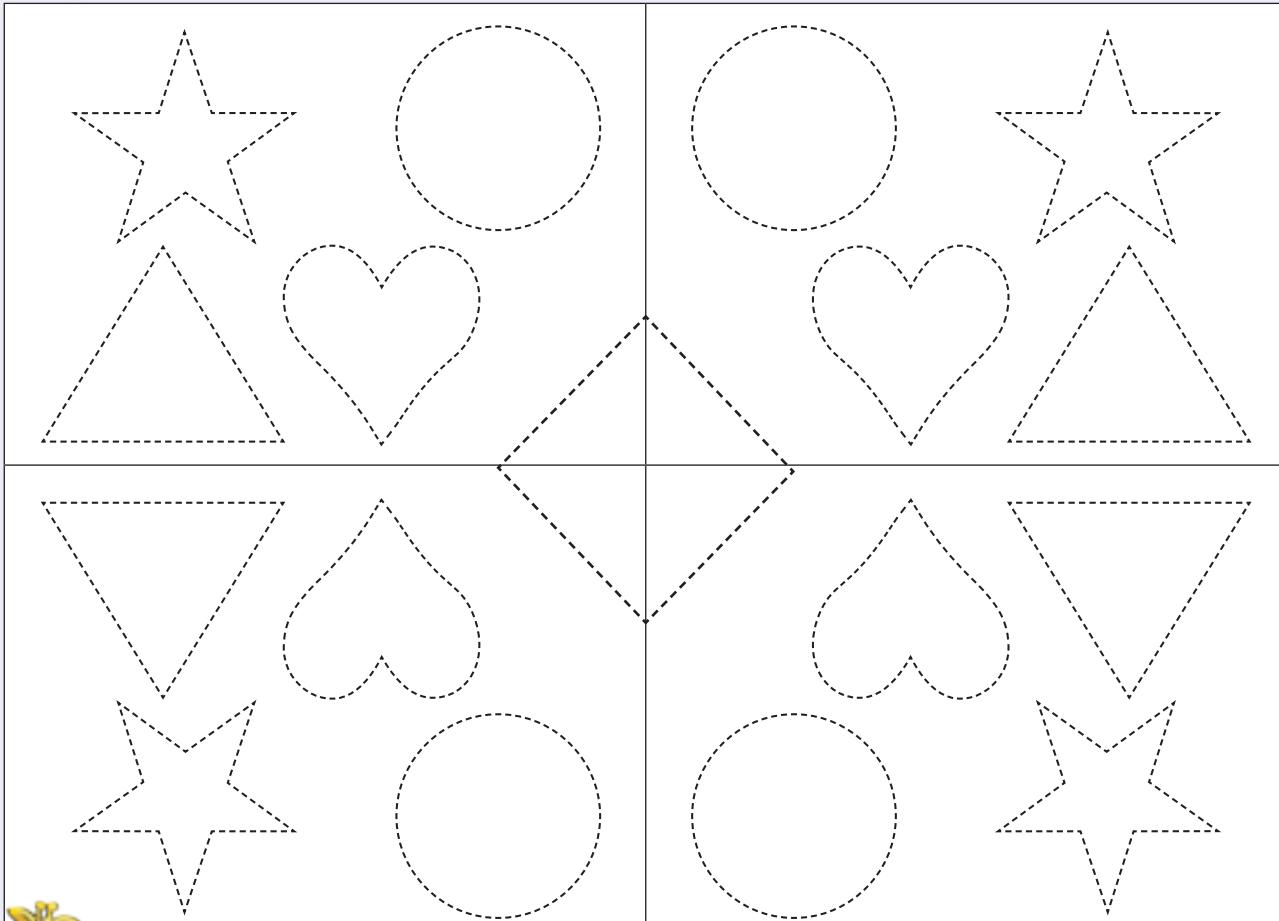


Landzelerisa patironi kutani u yi khalara.





Landzelerisa patironi kutani u yi khalara.



Endla patironi ya wena u tirhisa swivumbeko.



104

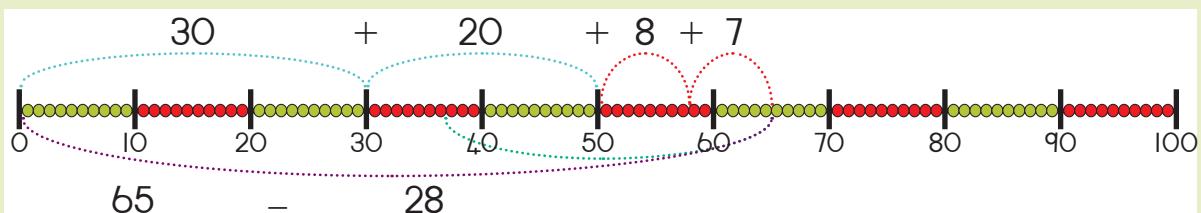
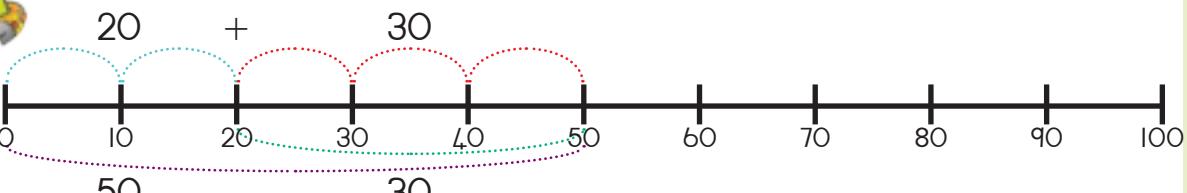
Ku hlanganisa na ku susa kun'wana

Kotara 4

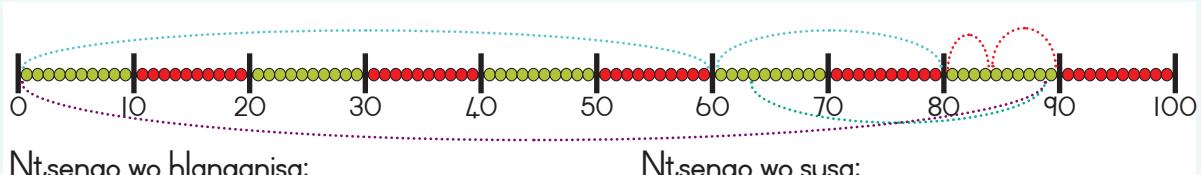
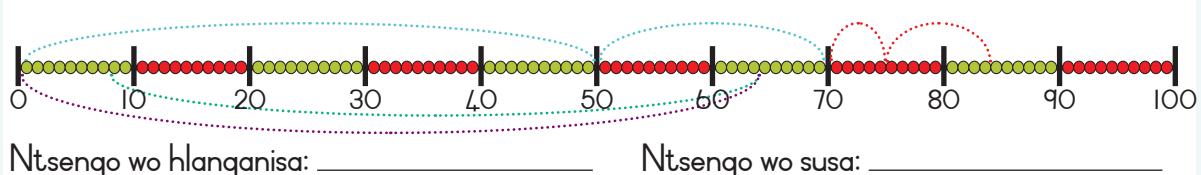
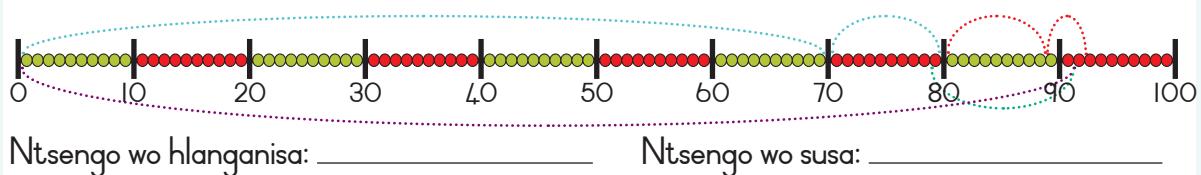
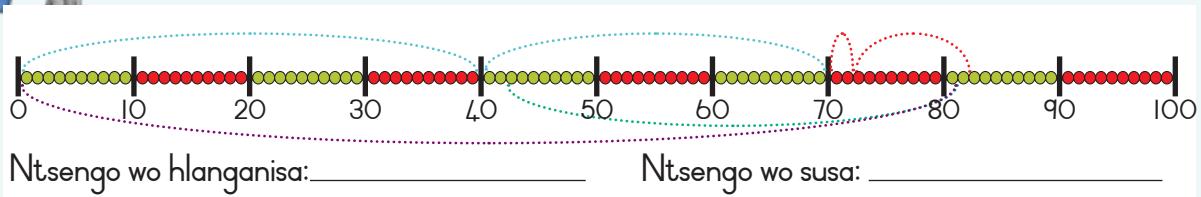


Languta mindzhati ya mintsengo. Bula hi yona.

Siku:

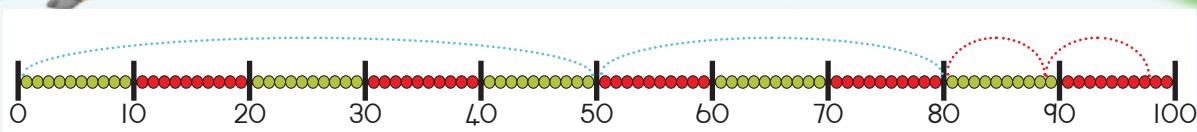


Tsala tinhlayo to hlanganisa na to susa u tirhisa ndzhati wa mintsengo.



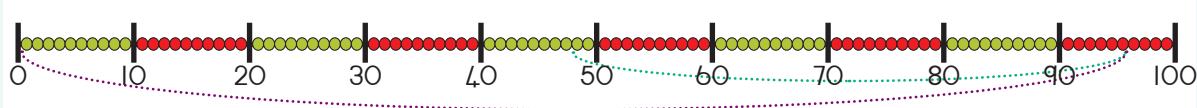


Pimanyeta u tlhela u khakhuleta vuhlalu.



Pimanisa: _____

Khakhuleta: _____



Pimanyeta: _____

Khakhuleta: _____



Khakhuleta u tirhisa maendlelo ya wena.

$74 + 18$

$72 - 43$

82 na 9 swi endla yini?

Ntsengo wa 79 na 13.

Susa 44 eka 52.

Ku hambana exikarhi ka 98 na 59.



11 12 13 14 15 16 17 18 19 20

105

Ku hlanganisa na ku susa kun'wana nakambe

Kotara 4



Ringanisa matlhelo.

$10 + 4 + 5$

$9 +$

$+ \quad \square$



$90 - 50$

$\square - 20$



Hetisa leswi landzelaka:

engetela
hi +1

6	7
5	
3	
9	
2	
7	
4	
8	

hunguta
hi -1

4	3
8	
10	
9	
2	
7	
6	
3	

engetela hi
+10

40	50
10	
60	
70	
20	
80	
30	
100	

hunguta
hi -10

40	30
150	
20	
110	
200	
60	
180	
70	



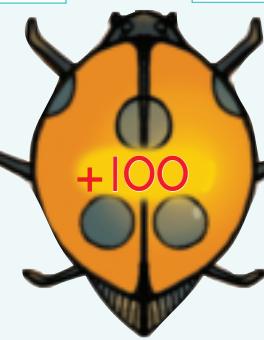
Hetisa leswi landzelaka:

25

37

+100

89



199

175

-100





Endla 5 wa tinhlayo u tirhisa tinomboro na mifungho leyi. U nga tirhisa tinomboro tin'we kambirhi.

9 0

-

2 0

5

1 0 0

4

3

+

3 0



Languta nomboro kutani u endla nhlayo yo hlanganisa kumbe yo susa leyi nga na nhlamulo leyi tsariweke ebodweni. Xik. $3 + 4 = 7$



Ku hlanganisa
swi vula yini?

2 6 5 7
4 7 3 8
q



Ku susa swi vula
yini?

4 7 5 q 10
6 2 8 3



Khakhuleta leswi landzelaka hi ku tirhisa maendlelo ya wena.
Kombisa makhakhuletelo ya wena hinkwawo.

$48 + 36$

$85 - 59$



Lulamisa tinhlayo ta marito. Dirowa xifaniso ku kombisa nhlamulo ya wena.

Ndzi hlajisile R42 kasi tatana u ndzi nyikile R29. Xana ndzi na mali muni?

Ndzi na R78 naswona ndzi xavile switsalo swa R34. Xana ndzi sale na mali muni?



11

12

13

14

15

16

17

18

19

20

Swilo swa 3 wa matlhelo

Siku:

Kotara 4

Xana mabokisi, tibolo na
tisilindara swi le kwih?



Vula loko xi ri bokisi, bolo, kumbe silindara.





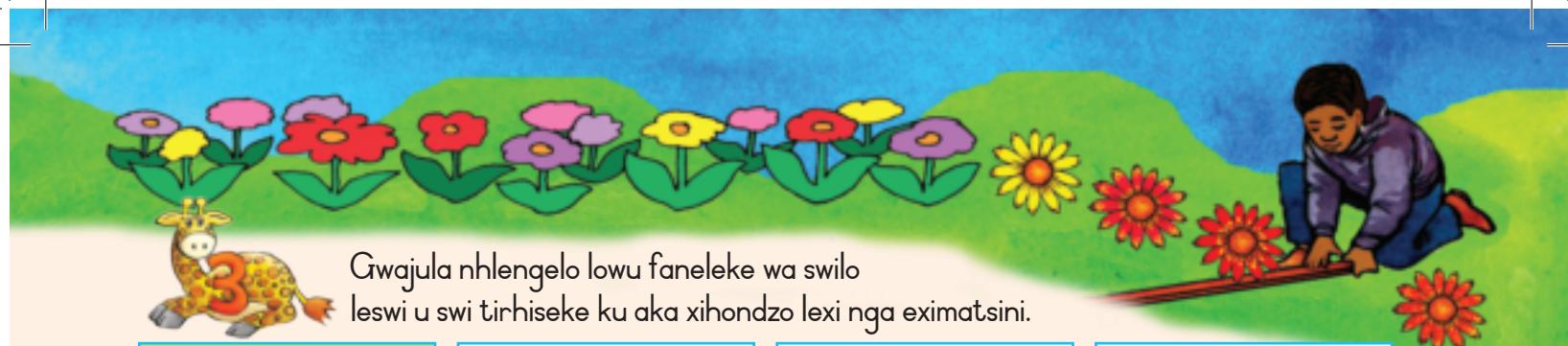


Kuma swifaniso swa leswi landzelaka kutani u swi damarheta laha.

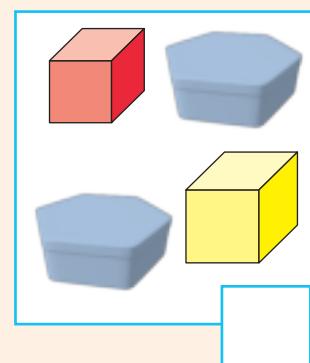
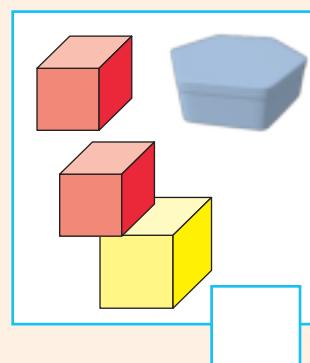
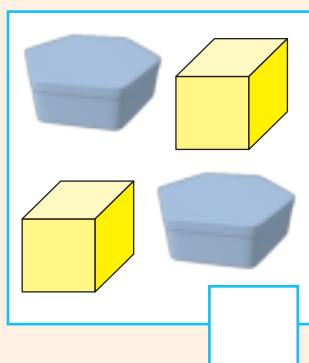
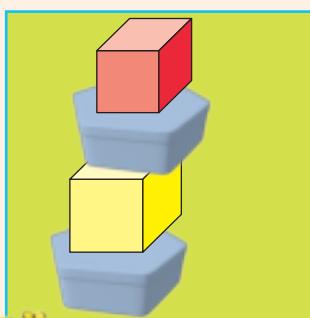
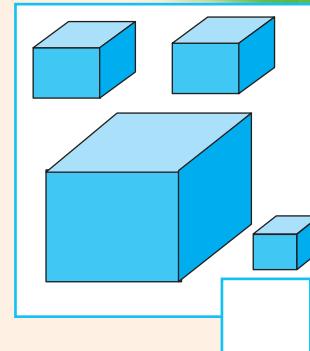
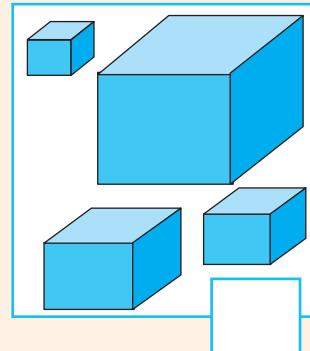
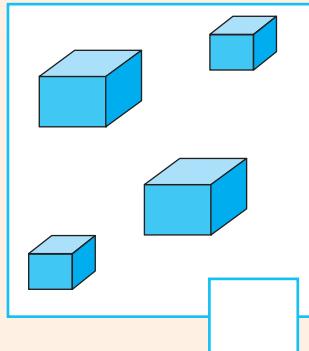
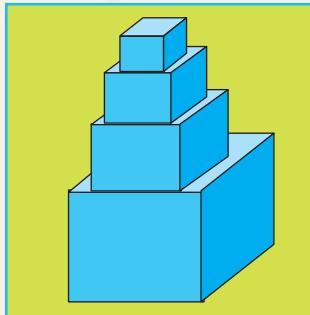
Bolo

Bokisi

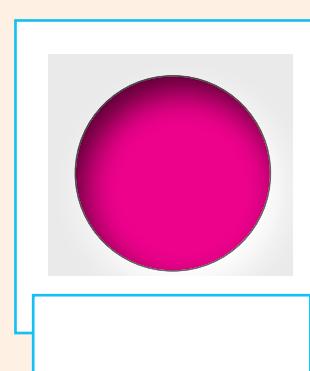
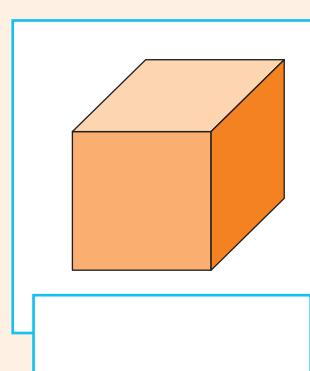
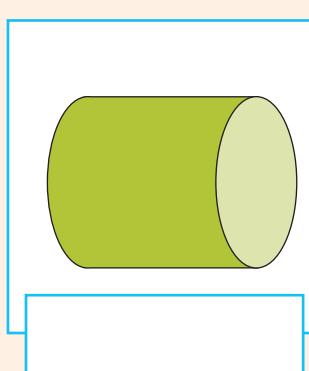
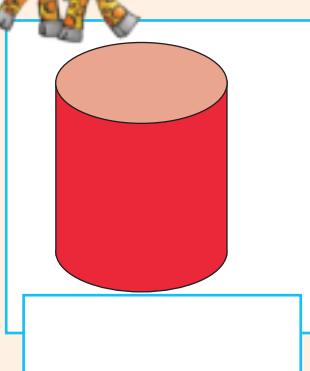
Silindara



Gwajula nhlengelo lowu faneleke wa swilo
leswi u swi tirhiseke ku aka xihondzo lexi nga eximatsini.



Vula loko leswi landzelaka swi khunguluka kumbe swi rheta.



Endlwini ya wena kumbe eka ndhawu yin'wana na yin'wana ekusuhi na yindlu ya wena, i yini lexi langutekaka tanihi:

- Silindara
- Bolo
- Mabokisi

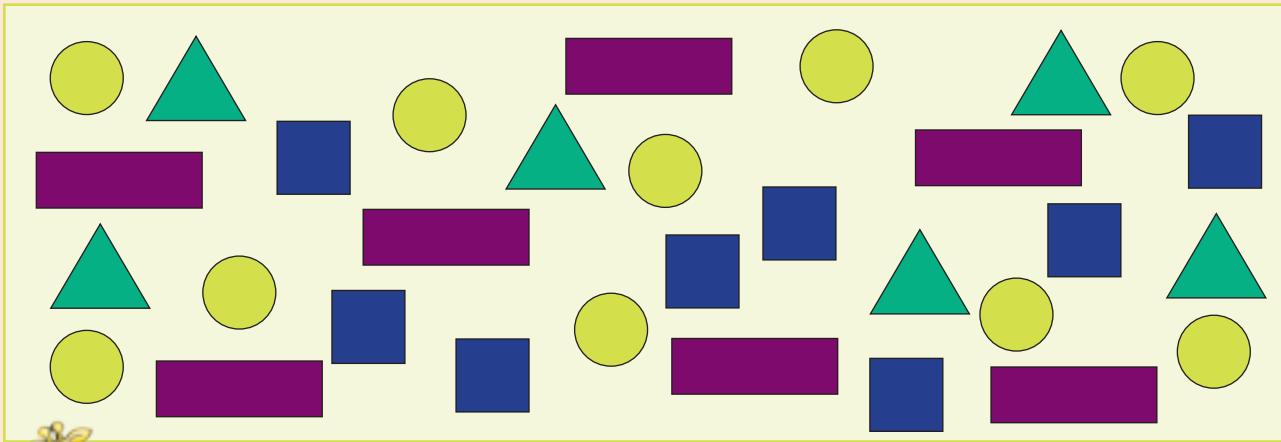


107

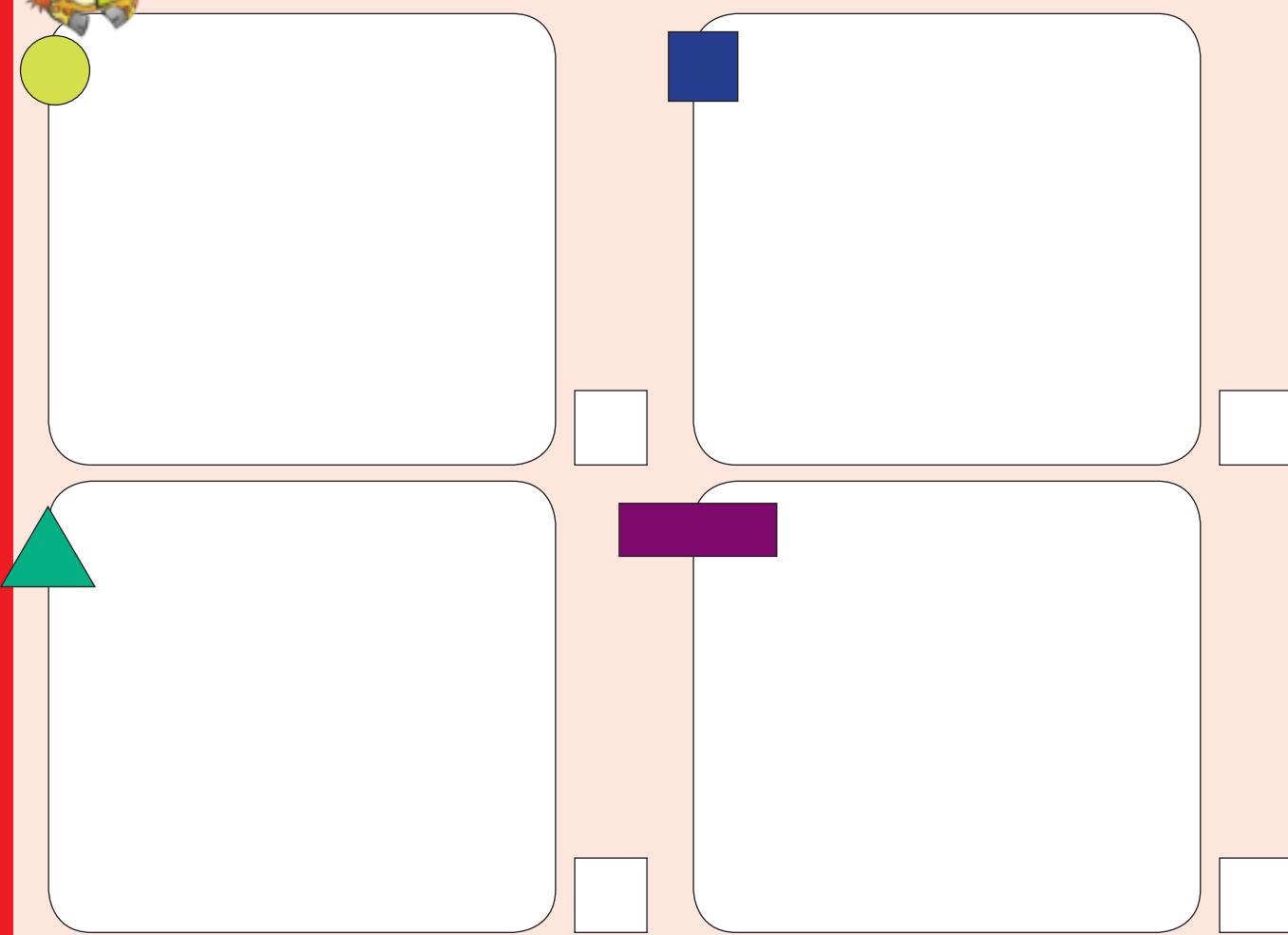
Switiviwa swin'wana swo tala

Siku:

Kotara 4



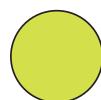
Hambarisa swivumbeko. Dirowa xifaniso xa wena. Tsala ntsengo ebokisini.



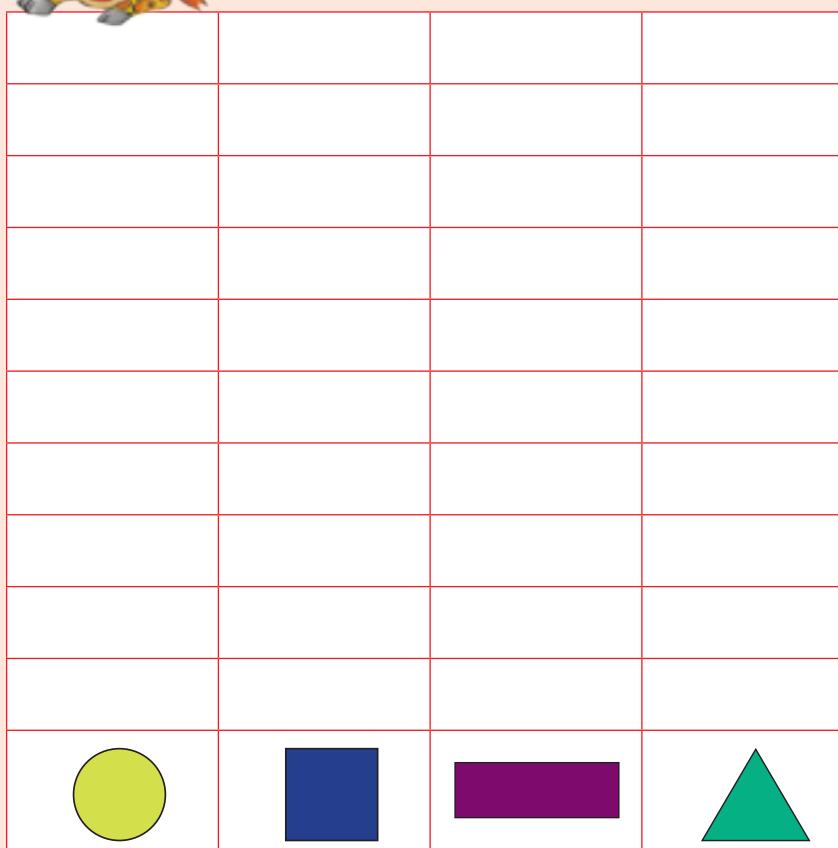


Dirowa girafu ya swifaniso swa
swivumbeko swa wena swo hambana.

VUTHALA:



Khalara tibuloko ku hetisa girafu ya wena ya bara.



Xana ku na swirhendzevutana
swingani?

Xana ku na
swikwere swingani?

Xana ku na
tiyinhlamune
tingani?

Xana ku na
tiyinhlanhharhu
tingani?



11

12

13

14

15

16

17

18

19

20



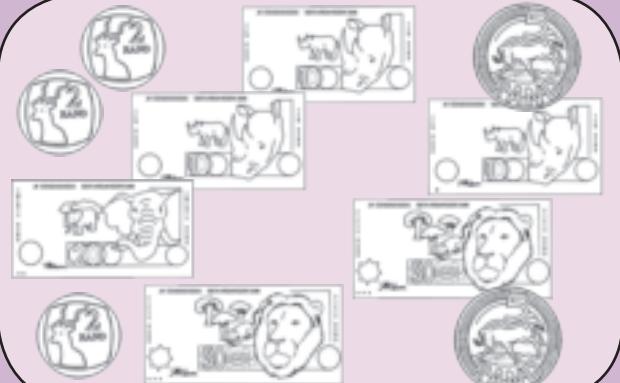
Siku:

Kotara 4

Ku hlayela mali

Khalara tikhoyini leti nga ta endla 95c.

Khalara mali leyi nga ta endla R99.



Khalara tikhoyini leti nga ta ku nyika: Xana i nhlanganiso lowu ntsena?

	Ina	E-e
75c		
85c		
90c		



Khalara swingwece na mali ya phepha leyi nga ta ku nyika leswi landzelaka:
Xana i nhlanganiso lowu ntsena?

	Ina	E-e
R87		
R75		
R94		



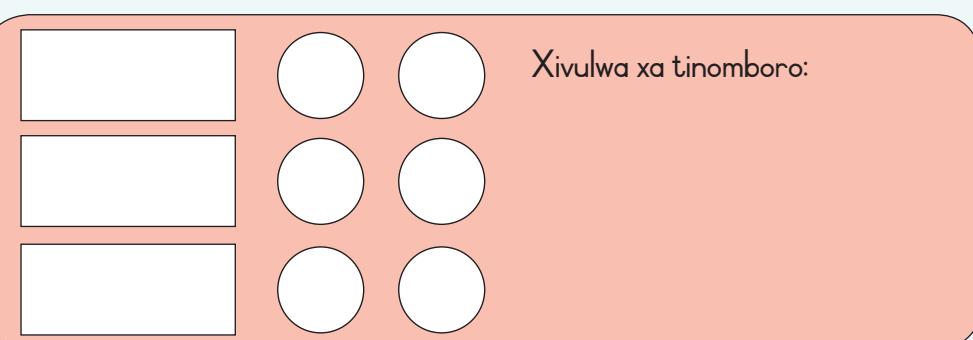
Sipho u xavile tihambega timbirhi.
Hambega yin'we yi vitana RI2,50. Xana u hakerile mali muni?
Dirowa mali ya phepha na tikhoyini leti faneleke ku kombisa nhlamulo ya wena.
Tlhela u tsala tanahi xivulwa xa tinomboro.



Xivulwa xa tinomboro:
 $RI2,50 + RI2,50 =$



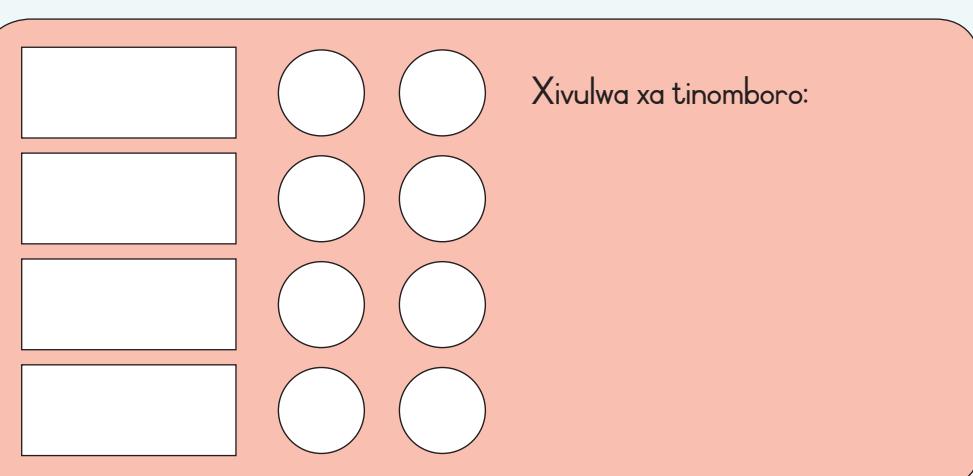
Loko Sipho a xava tihambega tinharhu?



Xivulwa xa tinomboro:



Loko Sipho a xava tihambega ta mune?



Xivulwa xa tinomboro:

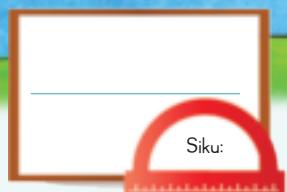
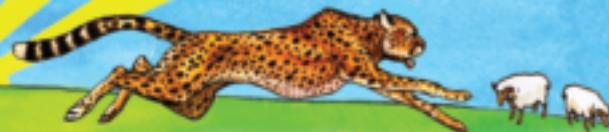


I tihambega tingani leti Sipho a nga ti xavaka hi R87,50? Endla xifaniso lexi fanaka na leswi nga laha henhlä ku ku pfuna ku lulamisa xiphiqo. Tirhisa phepha rin'wana.



Teacher:
Sign:
Date:

10q



Ololoxa swiphiqo swa mali

Kotara 4

Xana ndzi ta kuma yini loko ndzo xavisa 10 wa tichokoleti? Languta swifaniso kutani?

1 chokoleti



2 wa tichokoleti



3 wa tichokoleti



4 wa tichokoleti



Sheila u xavisa swinkwa swa soseji hi R4 xin'we. Hetisa tafula ku n'wi pfuna ku kuma ntsengo wa tiadara letikulu.

Nhlayo ya Swinkwa swa soseji	1	2	3	4	5	6	7	8	9	10
Tikhoyjni										
Nxavo hi tirhandi	R4									



Loko Sheila a xavisa xinkwa xa soseji hi R5?

Nhlayo ya Swinkwa swa soseji	1	2	3	4	5	6	7	8	9	10
Tikhoyjni										
Nxavo hi tirhandi	R5									



Sello u sala na vana. U hakerisa R5 hi awara. Hetisa tafula leri landzelaka.

Nhlayo ya tiawara	1	2	3	4	5	6	7	8	9	10
Hakelo hi tirhandi										



Sello u andzisa kambirhi mali leyi a yi hakerisaka hi awara. Yi kombise sweswi etafuleni.

Nhlayo ya tiawara	1	2	3	4	5	6	7	8	9	10
Hakelo hi tirhandi	10	20								



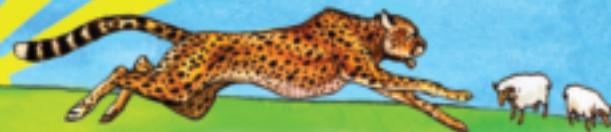
Dirowa xifaniso ku kombisa tihakelo ta Sello ta 8 wa tiawara to sala na n'wana hi R5 hi awara.



Ulava ku xava 10 wa timafini. Mafini yin'wana na yi'nwana yi durha R10.
Xana u ta hakela mali muni ya 1, 2, 3, 4, 5, 6, 7, 8, 9 kumbe 10 wa timafini?
Yi kombise etafuleni eka phepha rin'wana.



110

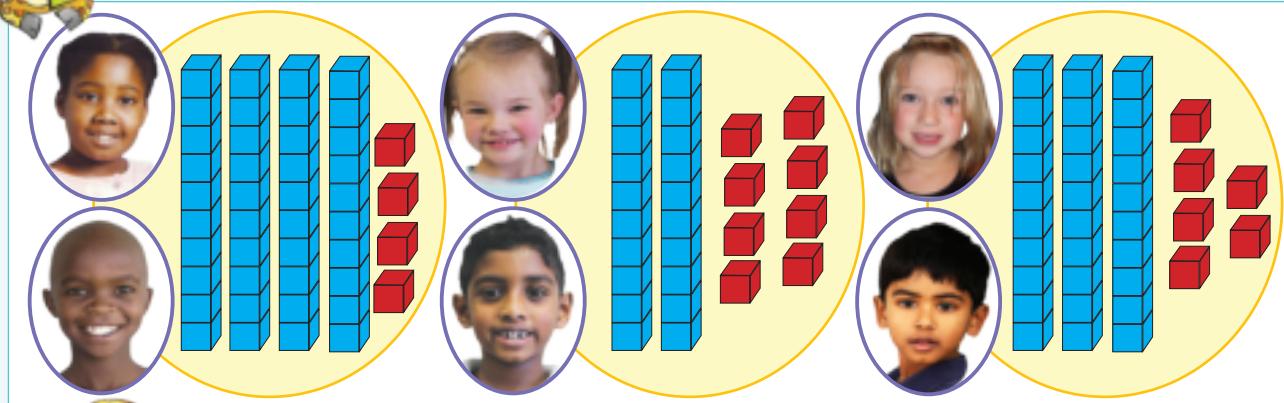


Ku vumba ntawla na ku avela

Kotara 4

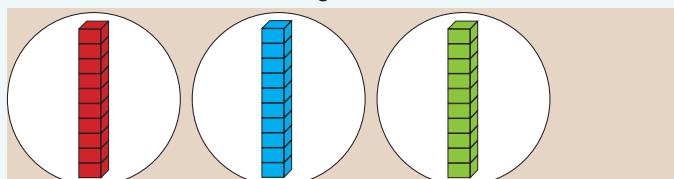


Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana? Ti ave exikarhi ka vana.

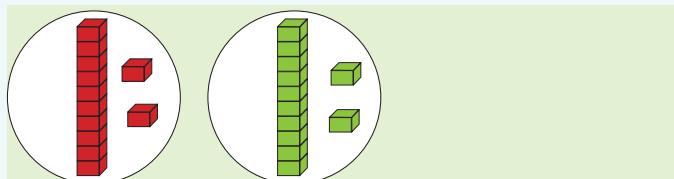


Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana?

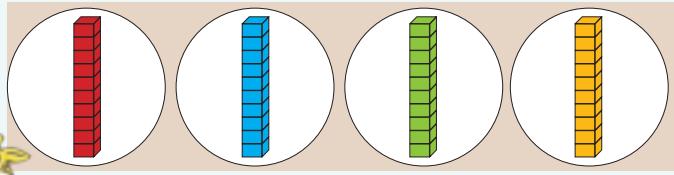
Tsala ntsengo eka xirhendzevutana xa wasi.



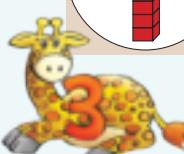
$$\square \times \square = \square$$



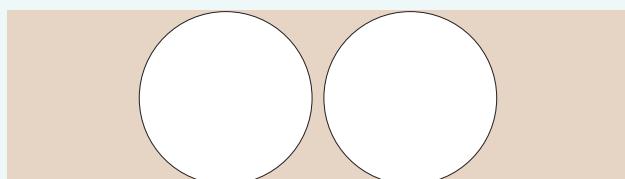
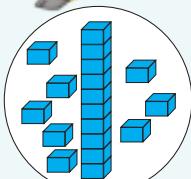
$$\square \times \square = \square$$



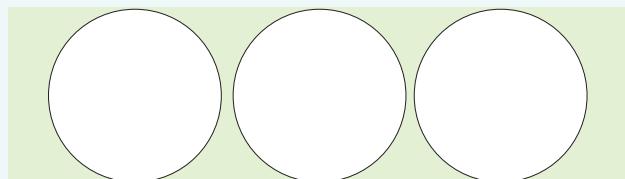
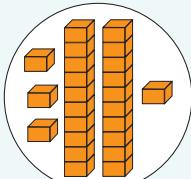
$$\square \times \square = \square$$



Ava tibuloko exikarhi ka swirhendzevutana. Tsala nhlayo ya ku avanyisa ya xin'wana na xin'wana.



$$\square \div \square = \square$$



$$\square \div \square = \square$$



Dirowa leswi landzelaka. Tsala ntsengo wa xin'wana na xin'wana.

3 wa mintlawa ya 2



Ntsengo wo
hlanganisa:



Ntsengo wo
andzisa:

4 wa mintlawa ya 10



Ntsengo wo
hlanganisa:



Ntsengo wo
andzisa:

Ava swihlayelo swa 12 exikarhi ka 4.



Ntsengo wo
susa:



Ntsengo wo
avanyisa:

Ava swihlayelo swa 36 exikarhi ka 3.



Ntsengo wo
susa:



Ntsengo wo
avanyisa:



Khakhuleta.

2 wa mintlawa ya 7 _____

4 wa mintlawa ya 5 _____

Avanyisa 18 hi 2 _____

Avanyisa 35 hi 5 _____

3 wa mintlawa ya va 8 _____

2 wa mintlawa ya 15 _____

Avanyisa 24 hi 3 _____

Avanyisa 50 hi 10 _____





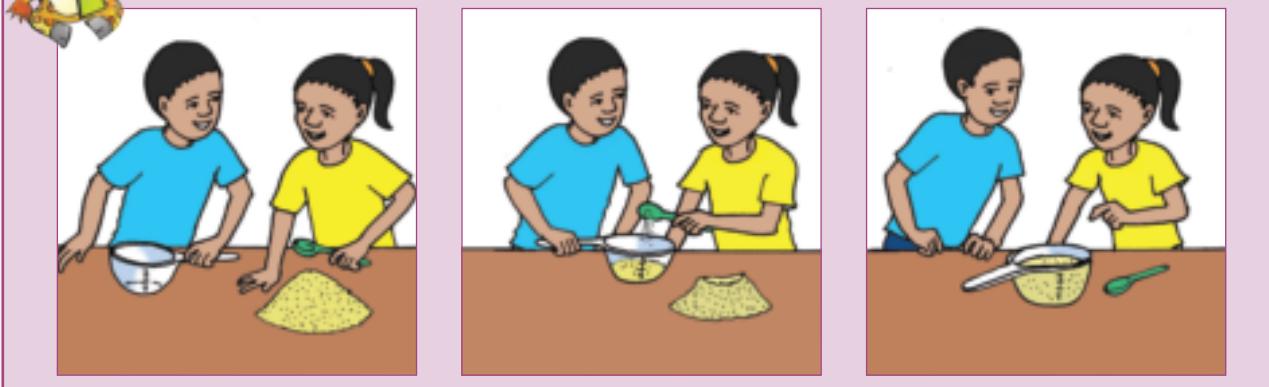
Ku avela Ku avela

Teacher: _____
Sign: _____
Date: _____

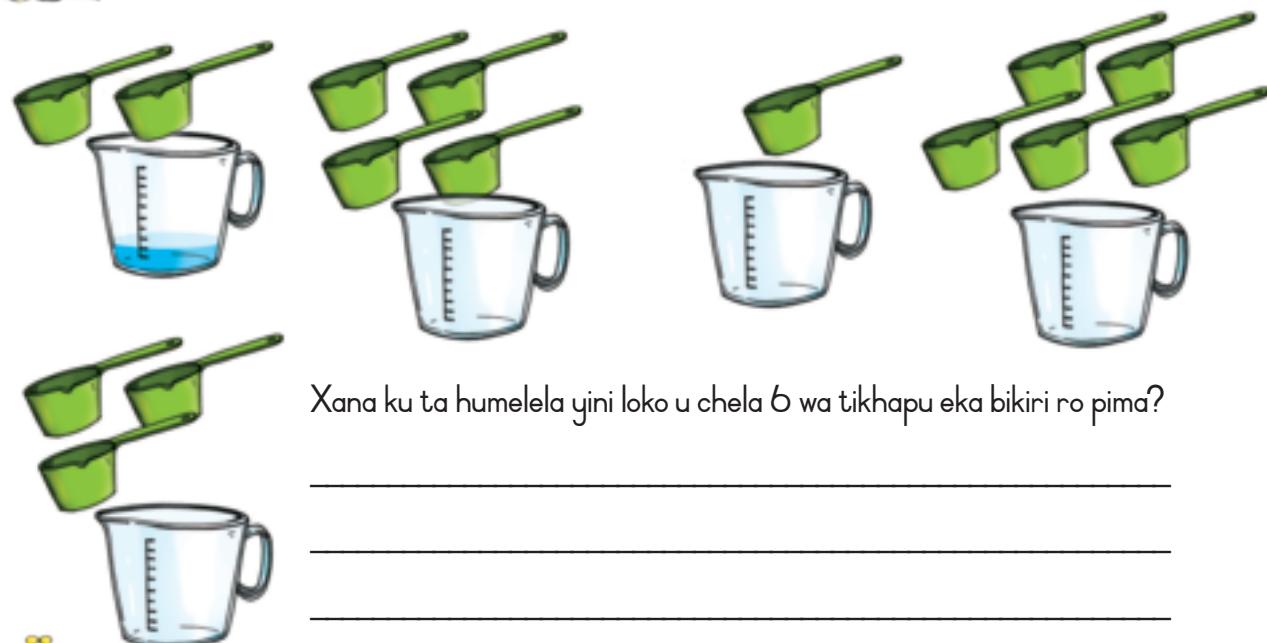
11 12 13 14 15 16 17 18 19 20

III

Languta xifaniso. Xana vana va endla yini?



Khalara ku fika laha malepula ya tataka jeke hi swihalaki.
Hi ku endlele yo sungula.



Xana ku ta humelela yini loko u chela 6 wa tikhapu eka bikiri ro pima?



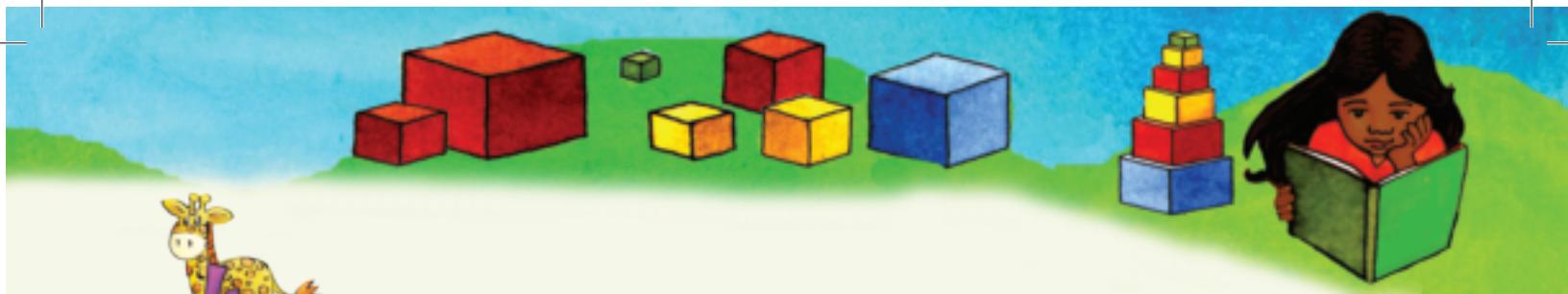
Xana u lava mabikiri mangani ya mati ku tata bikiri ro pima?

2 wa tijeke _____

3 wa tijeke _____

4 wa tijeke _____

5 wa tijeke _____



Xana u fanele ku kuma mabikiri ya mati mangani ku tata bikiri ro pima?

2



Kuma xifaniso xa swibye swo chela leswi ringanaka na 1 litara, 2 wa tilitara na 5 wa tilitara. Swi damarhete laha kumbe ebukwini ya switoloveto. Sungula hi ku damarheta xibye lexi chelaka swo tala u hetelela hi lexi chelaka leswitsongo.



Teacher:
Sign:
Date:

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Tipatironi ta tinomboro

Kotara 4



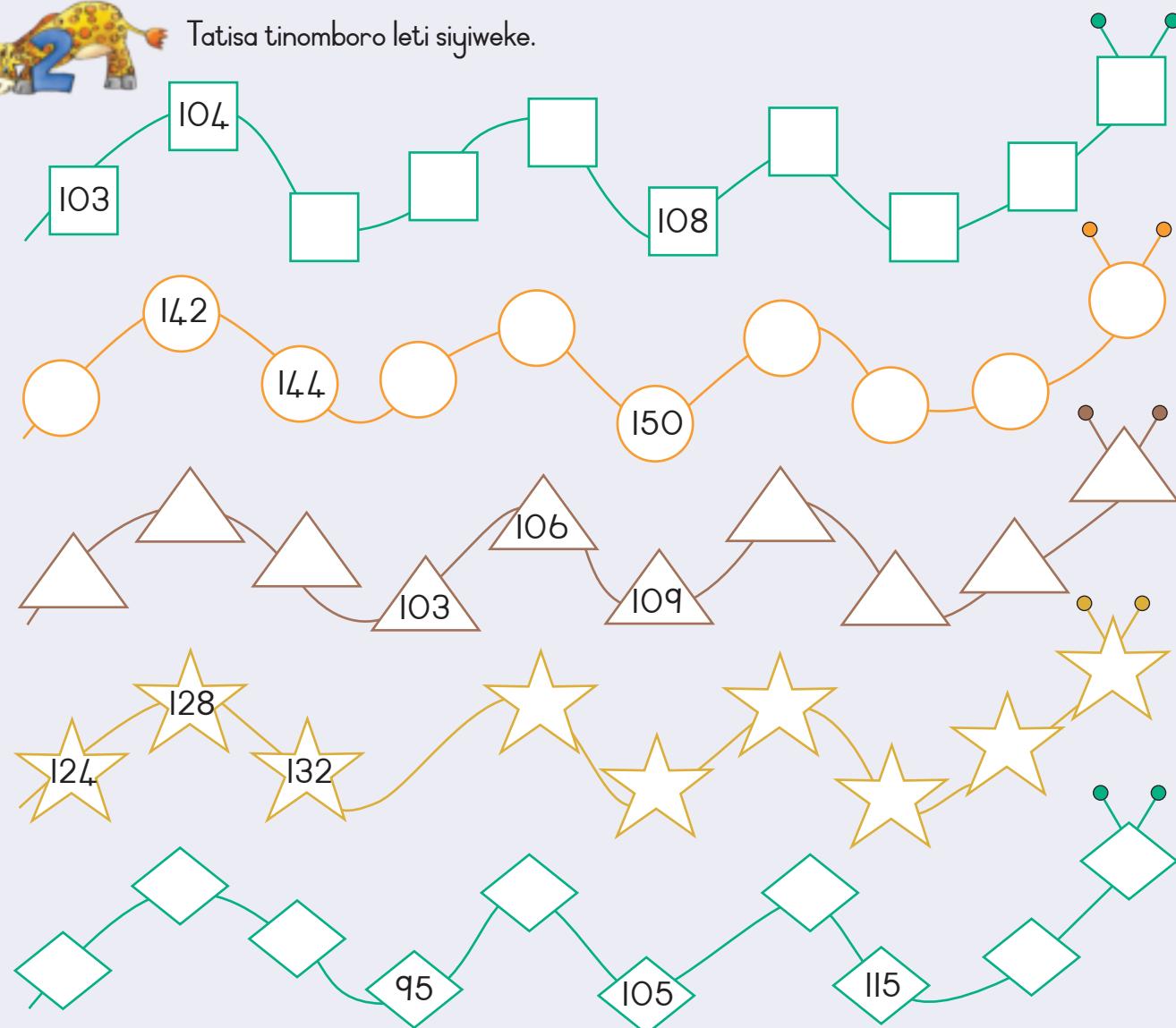
Veka makhadi hi mfanelo. Sungula hi lamakulu ku landzela lamatsongo.
U tlhela u sungula hi lamantsongo kutani ku landzela lamakulu.

Siku:

5	3	8	1	9	7	6	2	4	
61	66	64	69	62	68	67	63	65	
I36	I32	I40	I38	I31	I35	I33	I37	I34	I39



Tatisa tinomboro leti siyiweke.





Hetisa leswi landzelaka hi ku hlayela hi xindzhaku.

128	126	124			118			
160	157	154						
200	195	190						



Hetisa leswi landzelaka:

100, 102, 104, ___, ___, ___, ___, ___

160, 155, 150, ___, ___, ___, ___, ___

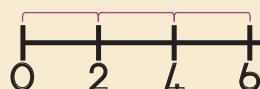
115, 118, 121, ___, ___, ___, ___, ___

200, 190, 180, ___, ___, ___, ___, ___

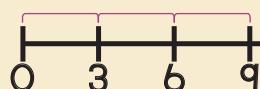


Hetisa ndzhati wa mintsengo.

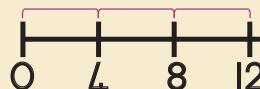
$$2 + 2 + 2$$



$$3 + 3 + 3$$



$$4 + 4 + 4$$



Xana hi hlayela hi yini?

4 20
8 12
16

2 14
8 12
10 4 6

5 15
25 20
30 10

3 21
15 6
18 9 12

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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Andzisa hi 3

Kotara 4

Swiharhi hinkwaswo swi na 4 wa milenge.



Swiharhi hinkwaswo swi na 2 wa tindleve.



Xana milenge hinkwayo i yingani
exifanisweni lexi?

Xana tindleve hinkwato
i tingani exifanisweni lexi?



Languta xifaniso lexi kutani u hetisa leswi landzelaka:



$$\boxed{} \times \boxed{} = \boxed{}$$

Nhlayo ya
makondlo

Milenge ya xiharhi
xin'we

$$\boxed{} \times \boxed{} = \boxed{}$$

Nhlayo ya
makondlo

Tindleve ta xi-
harhi xin'we



Hetisa leswi landzelaka:

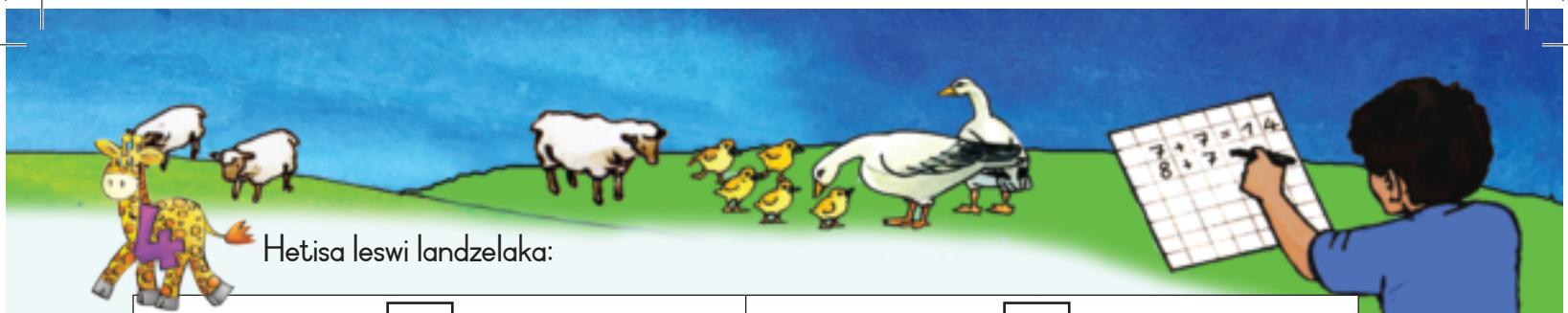
3	6	9							
---	---	---	--	--	--	--	--	--	--

30	27	24							
----	----	----	--	--	--	--	--	--	--



Hetisa leswi landzelaka:

5 × = <input type="text"/> wa maapula	4 × = <input type="text"/> wa mabanana
6 × = <input type="text"/> wa mabanana	7 × = <input type="text"/> wa maapula



Hetisa leswi landzelaka:

$$13 \times 3 = \boxed{\quad}$$

$$\begin{array}{r} 1 \ 0 \\ + 3 \\ \hline \end{array} \times 3$$

$$= \begin{array}{r} 1 \ 0 \\ + 3 \\ \hline \end{array} \times 3$$

$$= \begin{array}{r} 1 \ 0 \\ \times 3 \\ \hline \end{array} + \begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$= 30 + 9$$

$$= 39$$



$$15 \times 3 = \boxed{\quad}$$

$$\begin{array}{r} 1 \ 0 \\ + 5 \\ \hline \end{array} \times 3$$

$$= \boxed{\quad} + \boxed{\quad} \times \boxed{\quad}$$

$$= \boxed{\quad} \times \boxed{\quad} + \boxed{\quad} \times \boxed{\quad}$$

$$= \boxed{\quad} + \boxed{\quad}$$

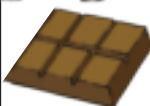
$$= \boxed{\quad}$$



Vanghana vambirhi va wisile swibokisana swa vona swa tipenisele. A va ri na switsalo leswi fanaka. Va pfune ku swi tlherisela.



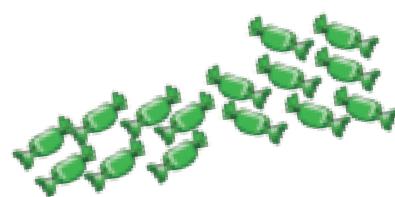
Hetisa leswi landzelaka:



Avela 2 wa vana swiphemu swa chololeti leswi ringanaka.

Un'wana na
un'wana u kuma

Ava 15 wa malekere exikarhi ka 3 wa vana hi ku ringana.



Un'wana na
un'wana u kuma



Hetisa leswi landzelaka.

Dirowa xifaniso ku lulamisa leswi landzelaka. Ava 9 wa tipenisele exikarhi ka 3 wa vana.

Un'wana na
un'wana u kuma

Ava 16 wa tikhirayoni exikarhi ka 3 wa vana.



Teacher:
Sign:
Date:

114



Ku andzisa kun'wana

Kotara 4

Languta leswi landzelaka, xana u lemuka yini?

$$5 + 5 + 5 = 15$$



3 wa swijumba
swa 5 = 15



3 wa mintlawa ya 5 i 15

3 yi andzisiwa hi 5 = 15

$3 \times 5 = 15$

$5 \times 3 = 15$



Hetisa tafula leri nga laha hansi. Xikombiso xi ta ku letela.

Tlula ku hlayela	Mintlawa yo ringana	Ku hlanganisa ko vuyeleriwa	Malongoloxelo	Leswi tivekaka
3, 6, 9, 12		$3 + 3 + 3 + 3$	3 wa tinxaxa ta 4 $3 \times 4 = 12$ $4 \times 3 = 12$	
		$4 + 4 + 4$		
			$6 \times 5 = 30$ $5 \times 6 = 30$	
2, 4, 6, 8, 10, 12				



Xana u nga hatlisa ku heta leswi landzelaka hi ndlela yihi?

$1 \times 2 =$	
$2 \times 2 =$	
$3 \times 2 =$	
$4 \times 2 =$	
$5 \times 2 =$	
$6 \times 2 =$	
$7 \times 2 =$	
$8 \times 2 =$	
$9 \times 2 =$	
$10 \times 2 =$	

$1 \times 5 =$	
$2 \times 5 =$	
$3 \times 5 =$	
$4 \times 5 =$	
$5 \times 5 =$	
$6 \times 5 =$	
$7 \times 5 =$	
$8 \times 5 =$	
$9 \times 5 =$	
$10 \times 5 =$	



Hlamula swivutiso leswi landzelaka.
Xana i yjni:

vuntlhanu bya mune	
andzisa 6 kambirhi	
6 yi andzisiwa hi 5	
2 yi andzisiwa hi 4	
8 yi andzisiwa hi 2	

3 wa mintlawa ya 2 i 6 kumbe 3 yi andzisiwa hi 2 i 6 kumbe $3 \times 2 =$ <input type="text"/>	
4 wa mintlawa ya 3 i 12 kumbe 4 yi andzisiwa hi 3 i 12 kumbe $4 \times 3 =$ <input type="text"/>	
6 wa mintlawa ya 3 i 18 kumbe 6 yi andzisiwa hi 3 i 18 kumbe $6 \times$ <input type="text"/> = 18	

Xiphiqo: Ku na swihlayelo swinharhu erixaxeni. Ku na 4 wa tinxaxa. Xana ku na swihlayelo swingani hinkwaswo ka swona? Dirowa xifaniso u kombisa nhlamulo ya wena.

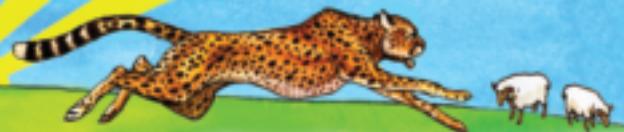


Teacher:

Sign:

Date:

115



Ku andzisa kun'wana

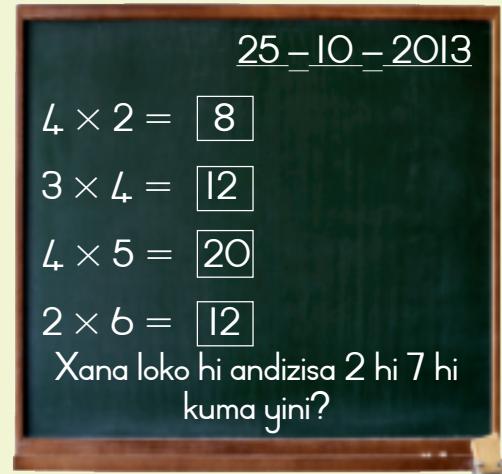
Kotara 4



Languta swikombiso.



Xana ku andzisa
swi vula yini?



$$\begin{aligned}1 \times 5 &= 5 \\2 \times 5 &= 10 \\3 \times 5 &= 15 \\4 \times 5 &= 20 \\5 \times 5 &= 25 \\6 \times 5 &= 30 \\7 \times 5 &= 35 \\8 \times 5 &= 40 \\9 \times 5 &= 45 \\10 \times 5 &= 50\end{aligned}$$

Hetisa:

	1	2	3	4	5	6	7	8	9	10
$\times 2$	2	4	6							

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

$$12 \times 2$$

$$16 \times 2$$

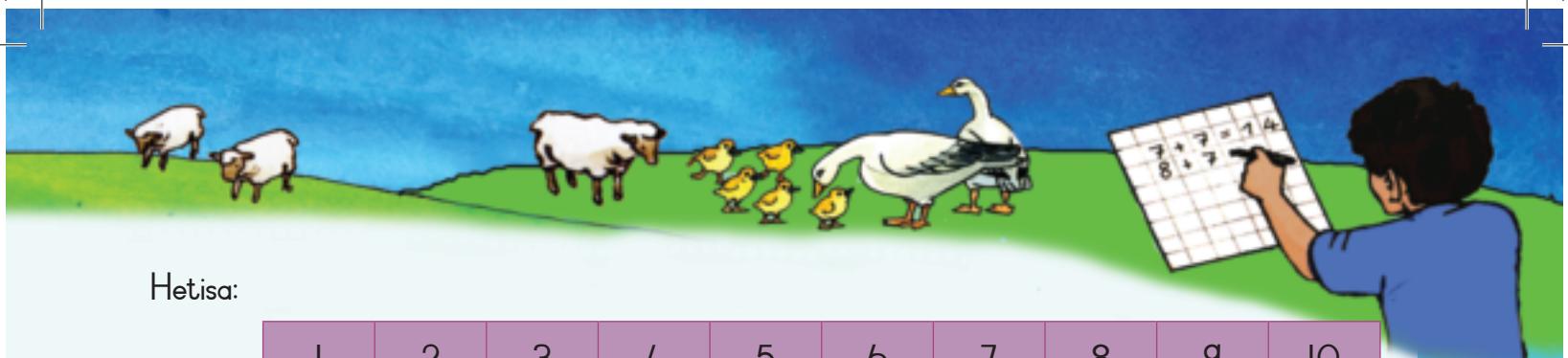
Hetisa:

	1	2	3	4	5	6	7	8	9	10
$\times 3$	3	6	9							

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

$$13 \times 3$$

$$15 \times 3$$



Hetisa:

	1	2	3	4	5	6	7	8	9	10
$\times 4$	4	8	12							

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

$$11 \times 4$$

$$14 \times 4$$

Hetisa:

	1	2	3	4	5	6	7	8	9	10
$\times 5$	5	10	15							

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

$$12 \times 5$$

$$16 \times 5$$



Ku na 12 wa malamula enkwameni. Xana ku na malamula mangani eka:

4 wa minkwama?

5 wa minkwama?

3 wa minkwama?

2 wa minkwama?



llba

Masiku ya vhiki

Kotara 4



Tsala masiku ya vhiki.

MBIRHIRAVU

NTOSO

BHUNUKUMUSUM

HARHURAVUN

UMUNERAV

IVELAMUGQ

NTLHANURAVU



Tata masiku lama siyiweke.

Musumbhunuku

Ravunharhu

Sonto

Ravumbirhi



Tsala masiku ya vhiki.

Sonto

Musumbhunuku ku fika Ravumune?

I masiku mangani ku suka eka:

Ravumbirhi ku fika Ravuntlhanu?

Ravumune ku fika Mugqivela?

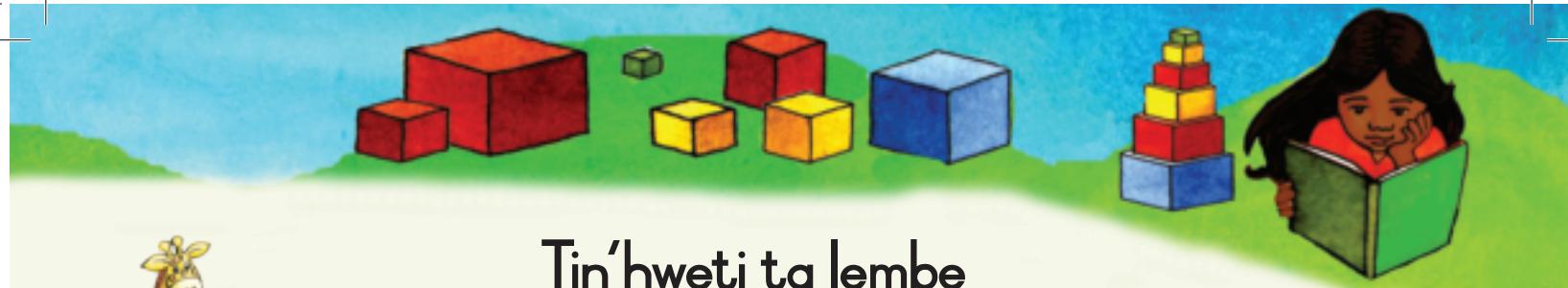


Xana ku na masiku mangani exikarhi ka:

Musumbhunuku na Ravuntlhanu?

Ravumbirhi na Mugqivela?

Ravunharhu na Ravuntlhanu?



Tin'hweti ta lembe



Tsala mavito ya tin'hweti leti nga kona elembeni.

NGTISUU

ENINYANYENY

WUWAMANI

HURIKU

DZATIN

LANGUNHLA

ULUNYANYENK

AKHOTAVUXIK

KOVAMIDZISO

AHIXIMUDY

IMHAWUR

ALANDZAN'WEMH



Xana ku na masiku mangani eka n'hweti yin'wana na yin'wana?

Sunguti 31	Nyenyenyanzi	Nyenakulu	Dzivamisoko
Mudyaxihi	Khotavuxika	Mawuwanzi	Ndzati
Nhlangula	Mhawuri	Hukuri	N'wendzamhala



Hlamula leswi landzelaka:

Tsundzuka leswaku vito ra
n'hweti ri sungula hi letere
lerikulu.



Hi yahi n'hweti leyi taka ku nga si fika Nyenyenyanzi? _____

Hi yahi n'hweti leyi taka ku nga si fika Khotavuxika? _____



Loko yi ri Mawuwanzi. Ku na tin'hweti tingani ku nga si fika:

Ndzati? _____

Mawuwanzi? _____



llbb

Masiku, mavhiki na tin'hweti

Kotara 4

Hukuri 2015

Sonto	Musumbhunuku	Ravumbirhi	Ravunharhu	Ravumune	Ravuntlhanu	Mugqivela
	I	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			



Languta khalendara kutani u hlamula swivutiso leswi landzelaka:

Xana I N'wendzamhala i siku rihi? _____

Xana 15 N'wendzamhala i siku rihi? _____

Xana 24 N'wendzamhala i siku rihi? _____

Xana 12 N'wendzamhala i siku rihi? _____



Hlamula swivutiso leswi landzelaka:

Xana N'wendzamhala yi na masiku mangani? _____

Xana N'wendzamhala yi na mavhiki mangani? _____

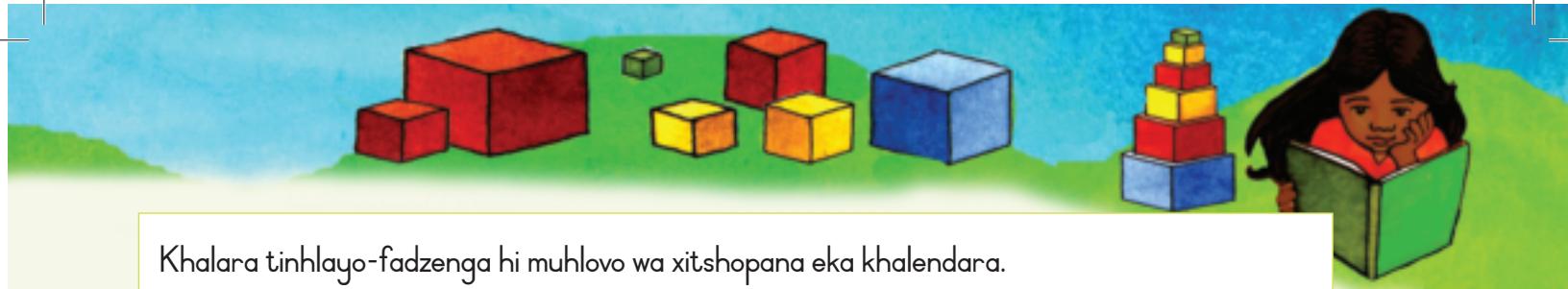
Xana vhiki ri na masiku mangani? _____

Xana xikolo xi pfala rini hi N'wendzamhala? _____

Xana ku humelela yini hi 25 N'wendzamhala? _____

Xana ku humelela yini hi 31 N'wendzamhala? _____

Xana i siku rihi ri taka endzhaku ka 31 N'wendzamhala? _____



Khalara tinhlayo-fadzenga hi muhlovo wa xitshopana eka khalendara.

Xana u lemuka yini? _____

Khalara tinhlayo-ndzingano hi muhlovo wo tshuka eka khalendara.

Xana u lemuka yini? _____



Hetisa khalendara leyi. Tsala lembe na masiku.

Nyenankulu _____

Sonto	Musumbhunuku	Ravumbirhi	Ravunharhu	Ravumune	Ravuntlhanu	Mugqivele



Xana i siku rihi naswona i ravungani?

Siku	I ravungani



Ku na masiku mangani ku suka eka:

	ku fikela		



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Tipatironi ta tinomboro tin'wana

Siku:

Kotara 4

Hlamusela patironi eka bodo yin'wana na yin'wana.

I01	I02	I03	I04	I05	I06	I07	I08	I09	I10
II1	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50
I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	200



Hetisa patironi.

I	2	3	4	5	6	7	8	9	10
II	12	I3	I4	I5	I6	I7	I8	I9	I20
I21	22	23	24	25	26	27	28	29	30
I31	32	33	34	35	36	37	38	39	40
I41	42	43	44	45	46	47	48	49	50
I51	52	53	54	55	56	57	58	59	60
I61	62	63	64	65	66	67	68	69	70
I71	72	73	74	75	76	77	78	79	80
I81	82	83	84	85	86	87	88	89	90
I91	92	93	94	95	96	97	98	99	100
I01	I02	I03	I04	I05	I06	I07	I08	I09	I10
III	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50
I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	200



Xana nomboro leyji i nhlayo-**fadzenga** kumbe i nhlayo-**ndzingano**?
Tsala xirhendzevutana eka nhlayo-**fadzenga** kumbe nhlayo-**ndzingano**.

4 fadzenga ndzingano	19 fadzenga ndzingano	21 fadzenga ndzingano
26 fadzenga ndzingano	20 fadzenga ndzingano	18 fadzenga ndzingano



Tsala tinomboro leti siyiweke ku hetisa patironi.

33, 39, 33, , 33, 39, 33, 39

96, 74, 96, 74, 96, 74, 96,

38, 45, 38, 45, , 45

49, 5, 46, 20, 49, 5, , 20, 49, 5, 46, 20, 49, 5, 46

, 78, 21, II, 78, 21, II, 78, 21, II



Tsondzela tinomboro leti leswaku u pfuneka ku hlamula xivutiso.



Tsala tinomboro leti siyiweke ku hetisa patironi leyji vuyelelaka.

55, 21, I9, 63, 55, 21, I9, 63, 55, 21, I9, 63, 55, 21, I9,

18, 28, 36, 18, 28, 36, 18, 28, 36, 18,

II, 76, II, 76, II, 76, II, 76,

60, 9I, 94, 60, 9I, 94, 60, 9I, 94, 60,

28, 47, 78, 28, 47, 78, 28, 47, 78, 28, 47, 78, 28,



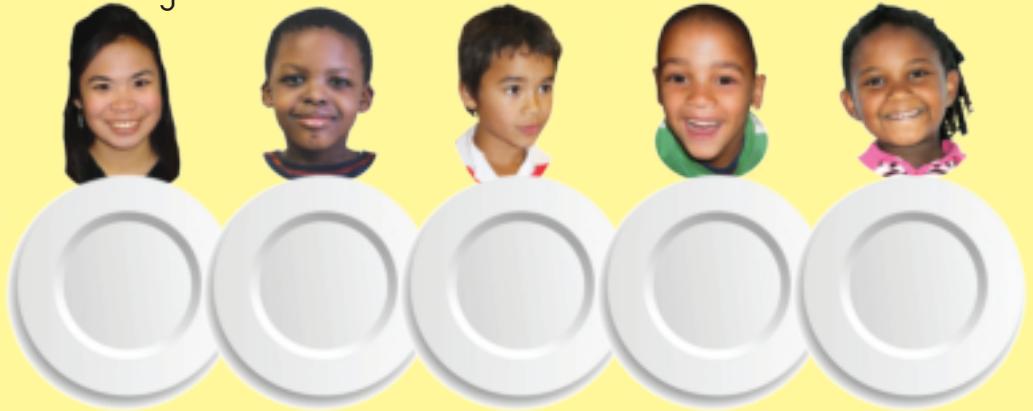
Ku avelana ko ringana loku letelaka eka swiphemu

Siku:

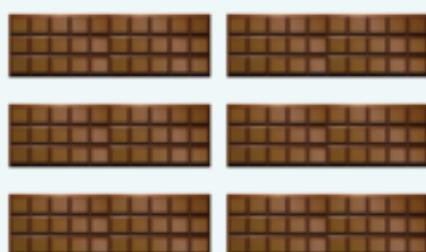
Kotara 4



Ava xitina xa chokoleti u vula leswaku n'wana un'wana na un'wana u ta kuma tibuloko tingani.



Sweswi ava 6 wa switina swa chokoleti exikarhi ka 3 wa vana.



Kombisa nhlamulo ya wena hi ku dirowa laha hansi.



U na 3 wa makhekhe. Ya ave hi ku ringana exikarhi ka 4 wa vanghana.



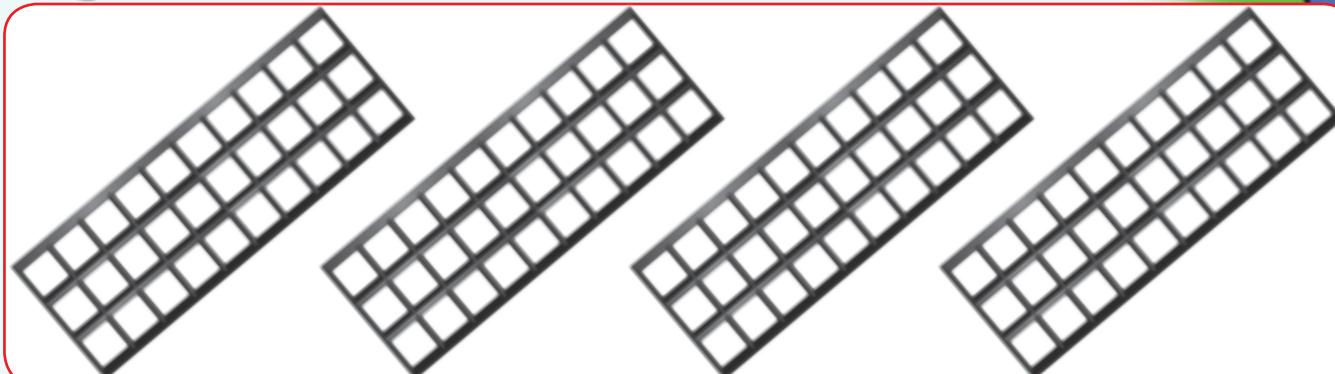
N'wana un'wana na un'wana u kuma n'we xa nharhu xa chokoleti.

Kombisa nhlamulo ya wena hi ku dirowa laha hansi.

N'wana un'wana na un'wana u kuma _____ yin'we ya khekhe.



Khalara kotara
yin'we ya chokoleti hinkwayo eka switina leswi swa mune.



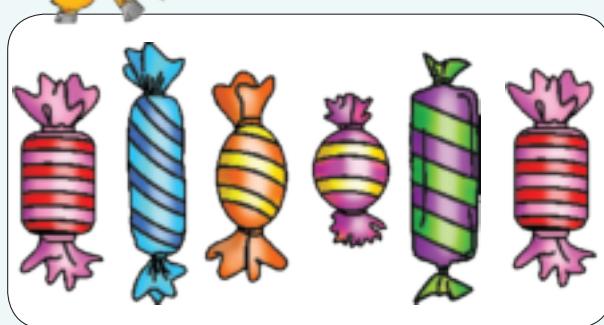
Xana i tibuloko ta chokoleti tingani leti nga kotara yin'we? _____



Khalara n'we-xa-ntlhanu xa chokoleti eka switina leswi swa mune? _____



Kombisa n'we-xa-nharhu xa
swiwitsi.



Kombisa n'we-xa-ntsevu xa
swiwitsi.



Ava II wa switina swa chokoleti exikarhi ka vanghana va mune leswaku hinkwavo va kuma
xiphemu xa chokoleti lexi ringanaka naswona ku hava lexi salaka.

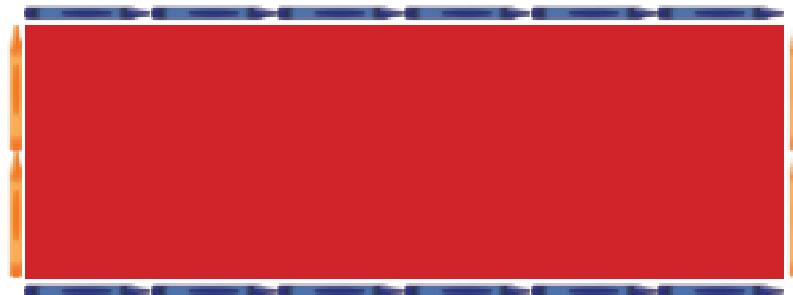
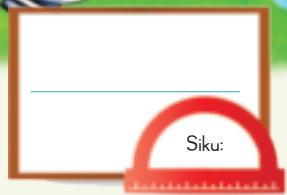


||q

Ku leha

Kotara 4

Hi wahi matlhelo yo koma naswona hi wahi matlhelo yo leha?



Tlhelo ro leha i tikhirayoni ta ____.

Tlhelo ro koma i tikhirayoni ti ____.



Hlamula leswi landzelaka.



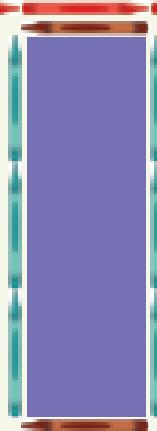
Tlhelo ro leha i tikhirayoni ta _____.

Tlhelo ro koma i tikhirayoni ta _____.



Tlhelo ro leha i tikhirayoni ta _____.

Tlhelo ro koma i tikhirayoni ta _____.



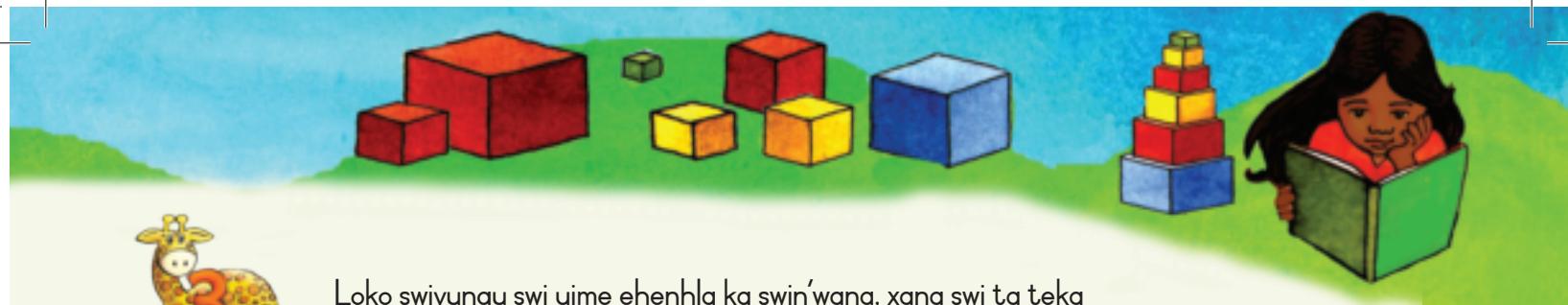
Tlhelo ro leha i tikhirayoni ta _____.

Tlhelo ro koma i tikhirayoni ta _____.

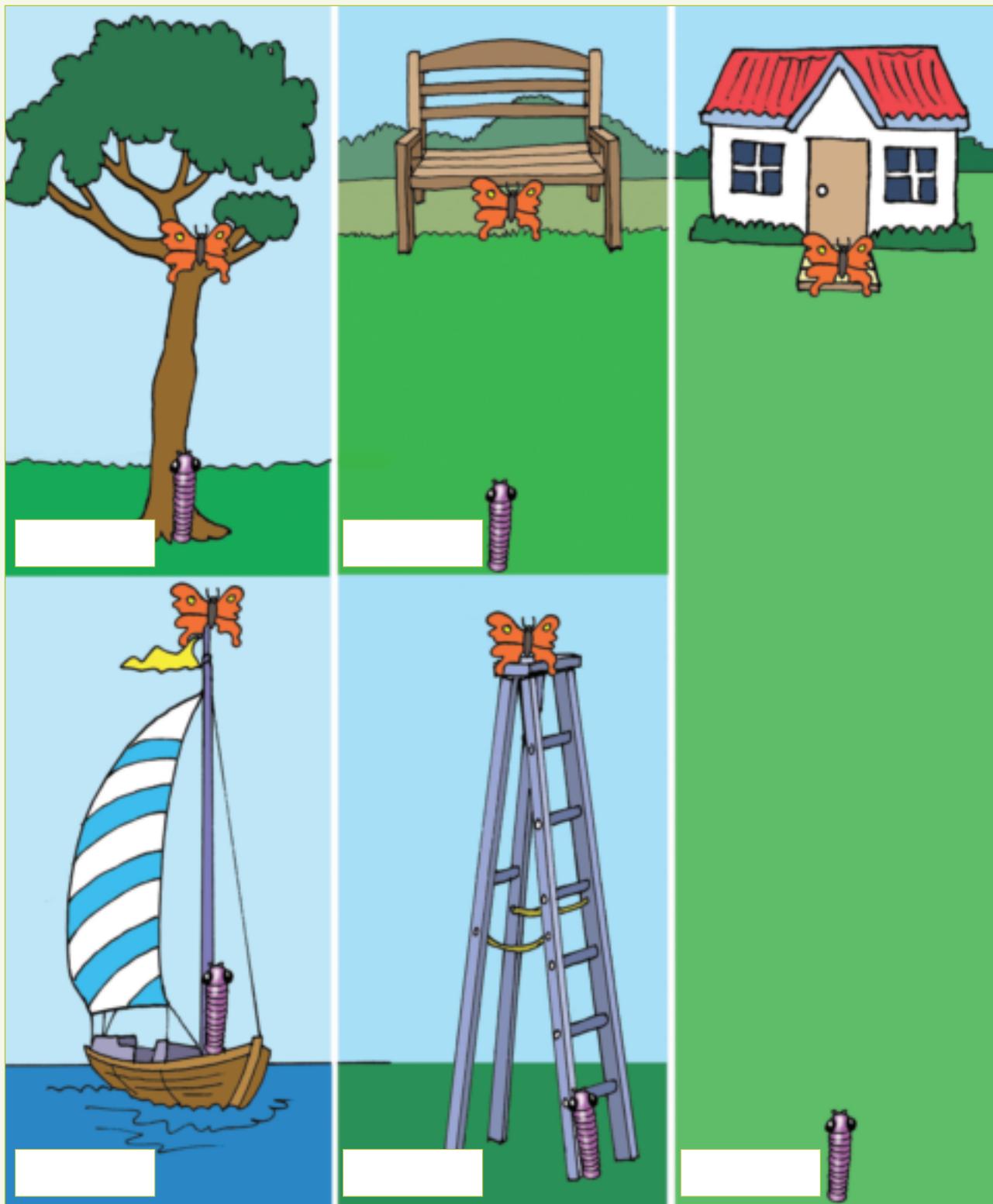


Tlhelo ro leha i tikhirayoni ta _____.

Tlhelo ro koma i tikhirayoni ta _____.



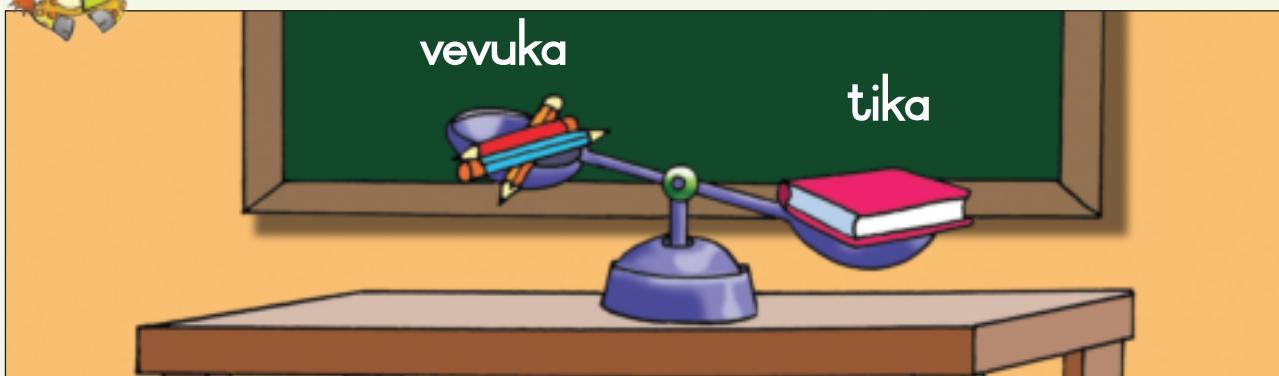
Loko swivungu swi yime ehenhla ka swin'wana, xana swi ta teka
swivungu swingani ku fika eka phaphatana?



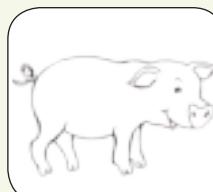
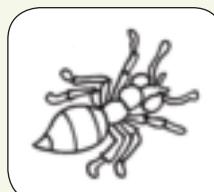
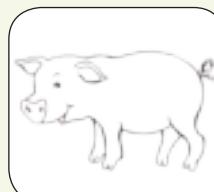
Ku tika na ku vevuka



Xana ku tika kumbe ku vevuka swi vula yini?



Khalara xifaniso kumbe swifaniso leswi kombisaka swilo swo vevuka ku tlula lexi nga eka buloko ya rihlaza.



Languta xifaniso. Kuma 2 wa swifaniso swa swilo swo tika. Swi namarhete laha.



Languta xifaniso. Lava 2 wa swifaniso swa swilo swo vevuka. Swi namarhete laha.





Vula loko swikaluu swa ndzinganiso swi ringana kumbe swi nga ringani.



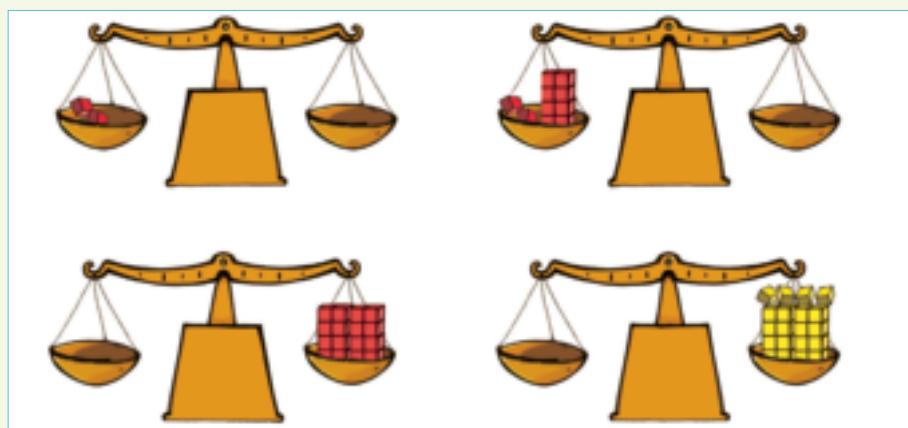
Endla leswaku xikaluu xa ndzinganiso xi ringana. Dirowa xifaniso eka swikaluu leswi nga riki na nchumu.



Dirowa swifaniso ku endla swikalo swi ringana.



Engetela tibuloko ku ringanisa swikaluu. $\textcolor{red}{\square} = \textcolor{yellow}{\square} \textcolor{yellow}{\square}$



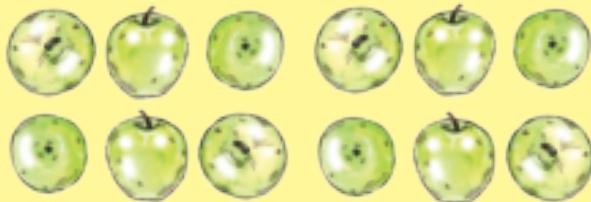
I2I

Ku avelana kun'wana loku letelaka eka swiphemu

Siku:

Kotara 4

Ava maapula lawa exikarhi ka vanghana vanharhu.



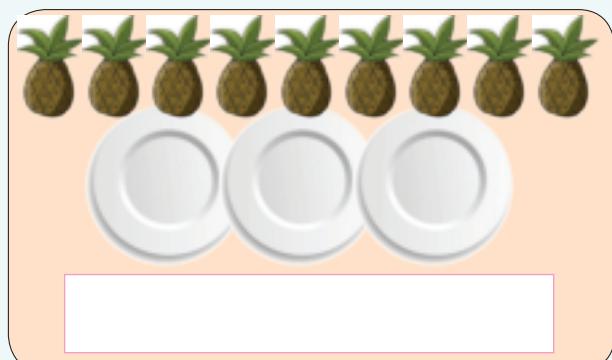
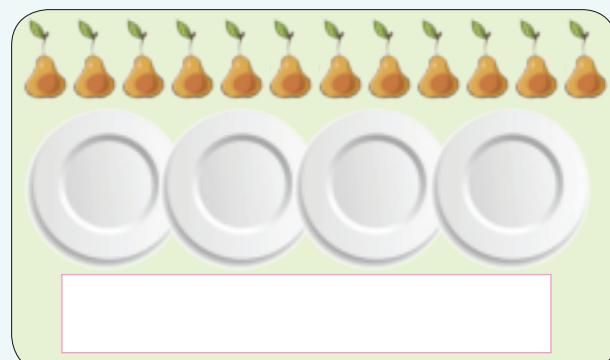
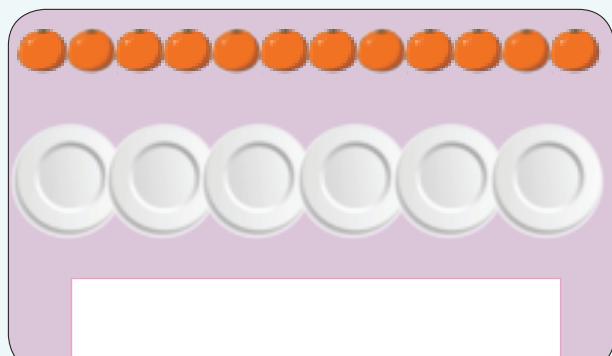
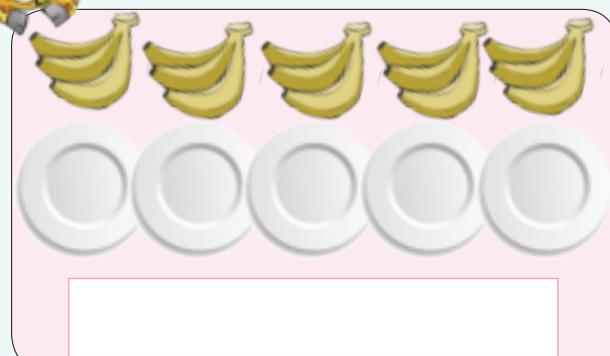
Un'wana na un'wana u kumile maapula
manganî? Mune.

Un'wana na un'wana u kumile xiphemu muni
xa maapula hinkwawo? N'we-xa-nharhu



Languta xikombiso lexi nga laha henbla kutani u hetisa leswi landzelaka.

- Ava mihandzu exikarhi ka tinhlayo to hambana ta vanghana.
- Vula leswaku munghana un'wana na un'wana u kuma xiphemu muni.



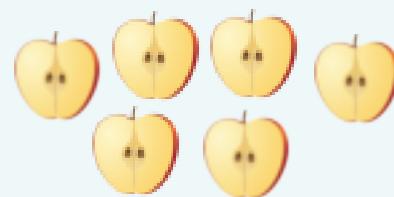
Kokwana u nyika Kiki I2 wa malamula. Kiki u endla juzi hi
n'we-xa-nharhu xa malamula. Xana u tirhisile malamula mangani?



Maapula manharhu



ya tsemiwa hi tihafu.



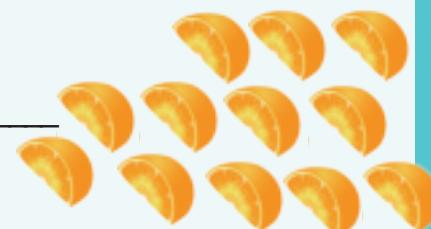
I vana vangani lava nga ta kuma hafu? _____



Malamula ya mune
eka xa-nharhu.



ya tsemiwa



I vana vangani lava nga ta kuma n'we-xa-ntsevu? _____



Makalavatla mambirhi



ya tsemiwa eka xa-ntsevu.



I vana vangani lava nga ta kuma n'we-xa-ntsevu? _____



Mudzaberu wa netibolo u nyika mutlangi un'wana na un'wana
hafu ya lamula. Ku na 14 wa vatlangi. Xana u fanele ku kuma
malamula mangani?

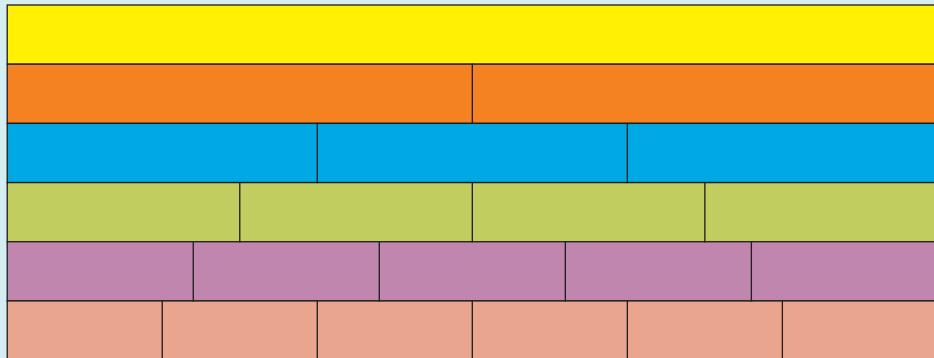


Teacher: _____
Sign: _____
Date: _____



Swiphemu

Xana xipandzu xin'wana na xin'wana xi vula yini? Marito lama nga eximatsini ya nga ku pfuna.



n'we-xa nharhu

n'we-xa ntłhanu

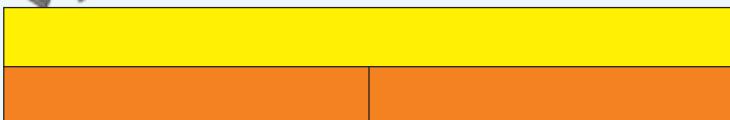
hafu yin'we

n'we-xa ntsevu

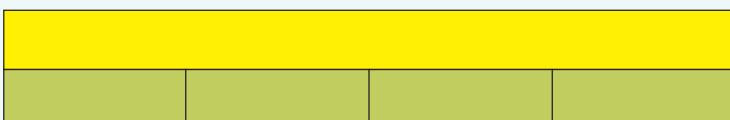
kotara yin'we



Hetisa leswi landzelaka.



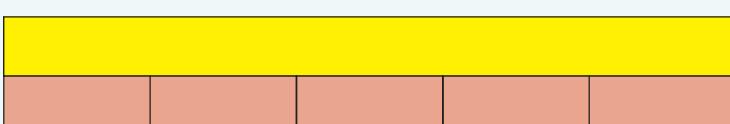
2 wa tihafu ti tanihu _____ xiheri.



4 wa tikotara ti tanihu _____ xiheri.



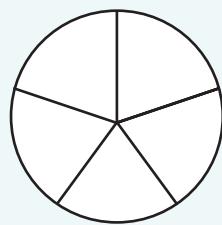
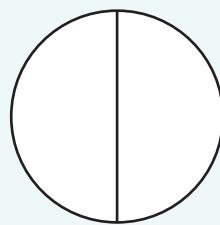
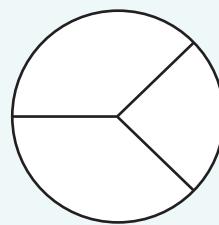
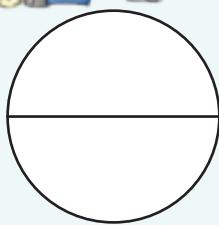
3 wa xa-nharhu swi tanihu _____ xiheri.



5 wa xa-ntłhanu swi tanihu _____ xiheri.

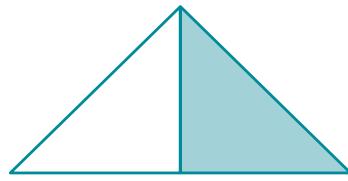
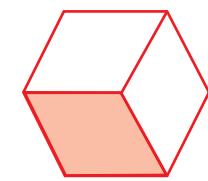


Khalara leswi landzelaka. Xana u lemuka yini?





Vula leswaku i xiphemu muni xa xivumbeko xin'wana na
xin'wana lexi swahatiweke. Xi tsale hi marito.

 hafu yin'we	
 	



Dirowa swivumbeko ku kombisa leswi landzelaka. Tirhisa swikwere, tiyinhlamune na
swirhendzevutana.

n'we-xa nharhu	hafu yin'we
kotara yin'we	n'we-xa ntłhanu

Vutisa manana wa wena kumbe muhlayisi wa wena leswi a nga ta xava swona:

- Hafu yin'we ya: _____
- N'we-xa nharhu xa: _____
- Kotara yin'we ya: _____
- N'we-xa-ntsevu xa: _____



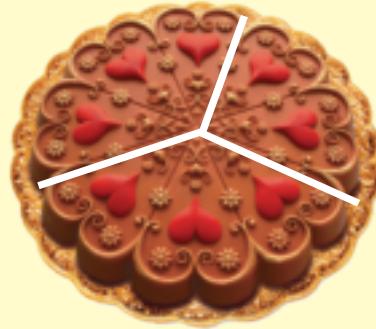
Teacher: _____
Sign: _____
Date: _____



Swiphemu swin'wana

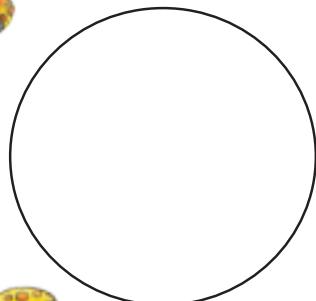
Kotara 4

Xana u nga tsakela xiphemu xo huma eka khekhe rihi? Hikwalaho ka yini?

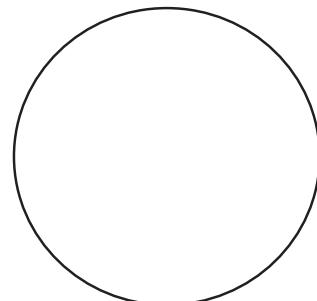


Munghana wa wena u kombela leswaku u avanyisa Pizza eka swiphemu leswi ringanaka. Dirowa u kombisa xin'wana na xin'wana.

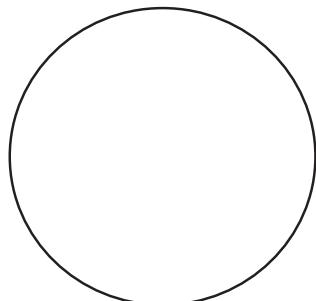
Tihafu



Swa-nharhu



Tikotara



Gwabisa nhlamulo leyji faneleke.

Wena na munghana wa wena mi dyile tihafu ta pizza timbirhi. Xana mi dyile yo tanihi kwihi?

- Hafu yin'we ya pizza kumbe
- Pizza yin'we ya xiheri?

Thabo, Sipho na John va dyile n'we-xa-nharhu swa pizza swinharhu. Xana va dyile yo tanihi kwihi?

- N'we-xa-nharhu xa pizza kumbe
- Pizza hinkwayo?

Lindy, Susan, Lerato na Palesa va dyile pizza hinkwayo. Xana va dyile yo tanihi kwihi?

- Kotara yin'we kumbe
- Tikotara ta mune?

Hlamula swivutiso leswi landzelaka.

- Loko ndzi avanyisa pizza eka xa-ntlhanu, xana i xa-ntlhanu swingani leswi hi faneleke ku swi dya ku kota ku dya pizza hinkwayo? _____
- Loko ndzi avanyisa khekhe eka xa-ntsevu, xana i xa-ntsevu swingani leswi hi faneleke ku swi dya ku kota ku dya khekhe hinkwaro? _____



Ntlawa wun'wana na
wun'wana wa vanghana wu
kuma phakete leritsongo
ra tijelly tots.



Ntlawa	1	2	3
Vana eka ntlawa	2	3	4
Xana munghana un'wana na un'wana u ta kuma tijelly tots tingani loko ti aviwa hi ku ringana?			
Gwajula ntlawa lowu u tsakelaka ku va eka wona. Hikwalaho ka yini?			
I swiitsi swingani leswi nga ta endla leswi? Xana u lemuka yini?	Tihafu timbirhi	Xa-nharhu swinharhu	Tikotara ta mune



Khalara swiphemu leswi ringanaka na xiheri xin'we.

tikotara tinharu

nharhu-xa-nharhu

tikotara timbirhi

tihafu timbirhi

mbirhi-xa-nharhu

mun-e-xa-ntlhanu

tikotara ta mune

mun-e-xa-mune

ntlhanu-xa-ntlhanu

nharhu-xa-ntlhanu

kotara yin'we

mbirhi-xa-ntlhanu

ntlhanu-xa-ntlhanu

nharhu-xa-mune

Xana u nga tsakela tikotara ta mune ta chokoleti kumbe chokoleti yin'we ya
xiheri? Hikwalaho ka yini?



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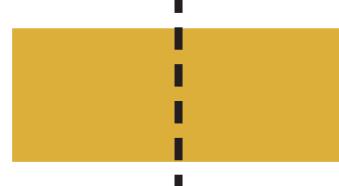
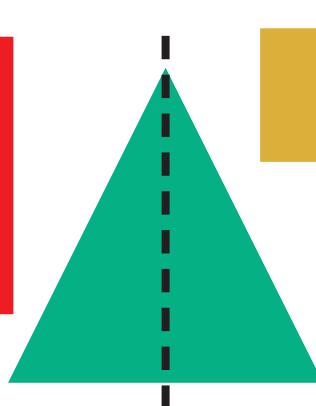
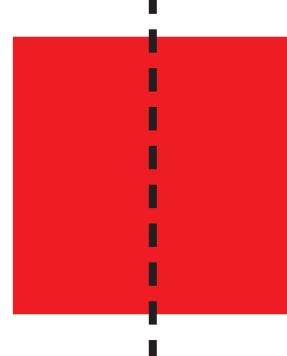
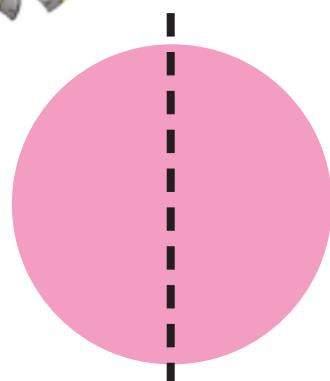
Siku:

Kotara 4

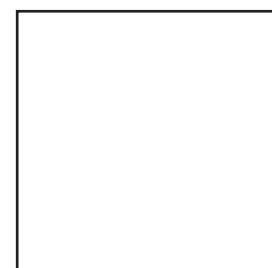
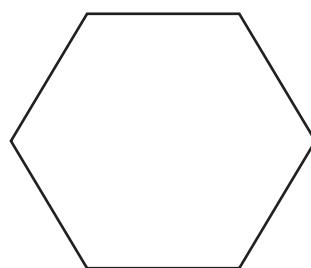
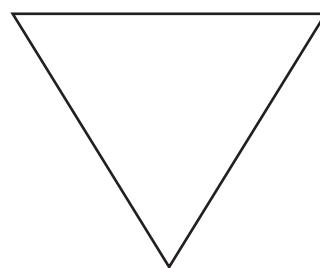
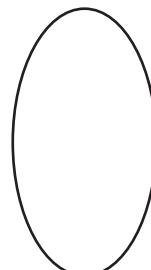
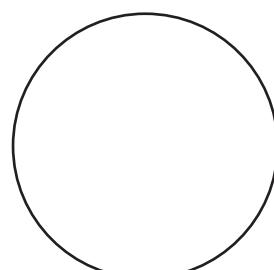
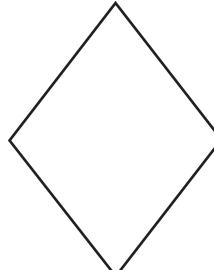
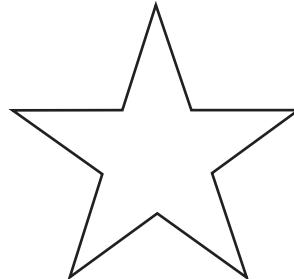
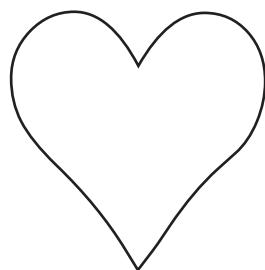


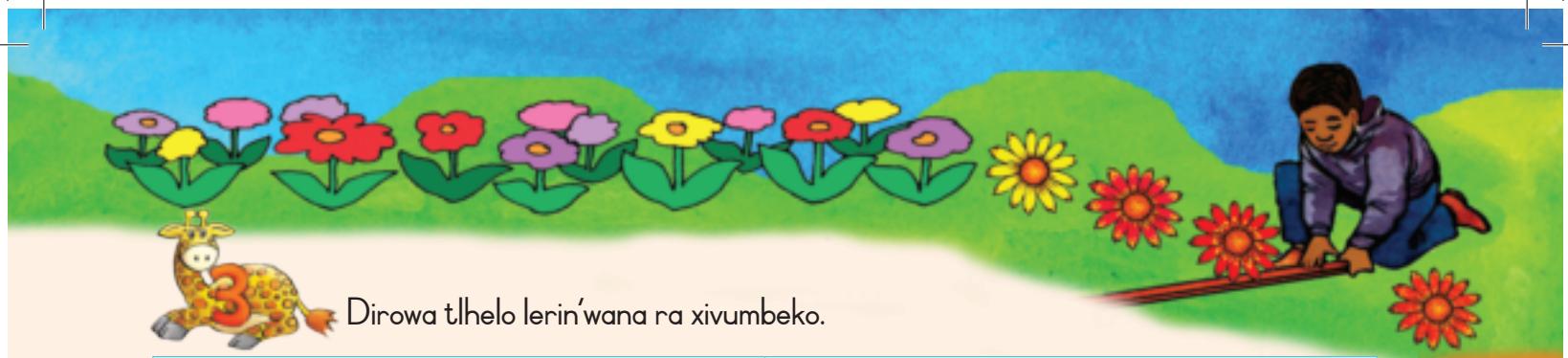
Ku ringana ka swivumbeko

Languta swifaniso swa swivumbeko. Xana matlhelo hinkwawo ya swivumbeko leswi ya fana? Xana matlhelo hinkwawo ya ringana?

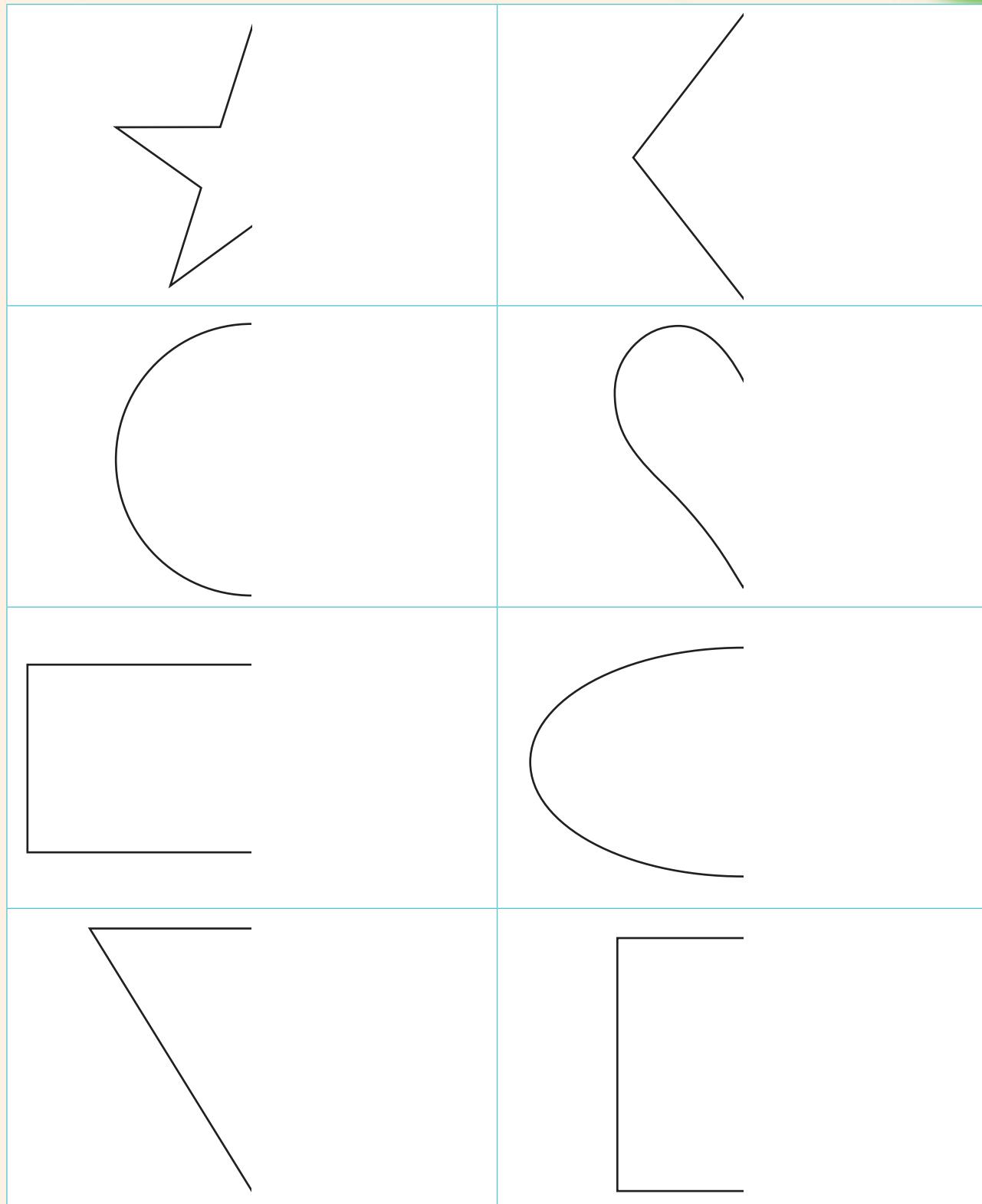


Dirowa ntila eka tlhelo rin'we ra xivumbeko leri fanaka na lerin'wana.

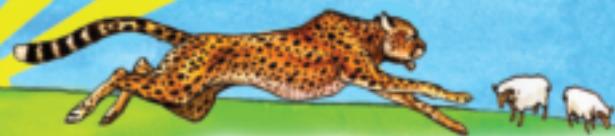




Dirowa tlhelo lerin'wana ra xivumbeko.



Teacher:
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Date:



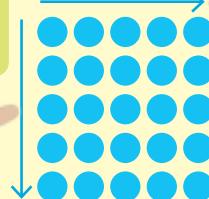
Malongolokelo na swiphemu

Languta xifaniso. Va vutise leswaku va nga khakhuleta swilo hi xihatla xo tanahi kwihi?

Leyi i kholomu.



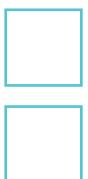
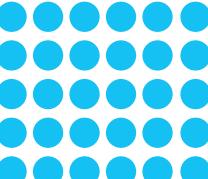
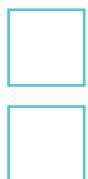
Leri i rixaxa.



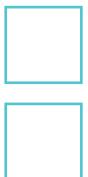
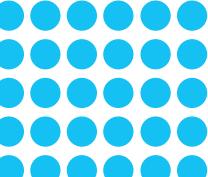
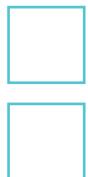
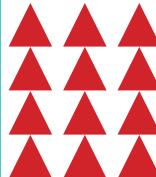
Xana u tirhise tikholumu na tinxaxa hi ndlela yihi ku ku pfuna?



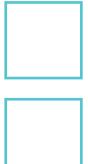
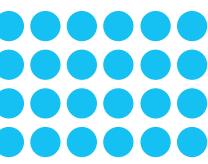
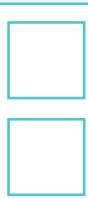
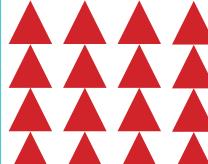
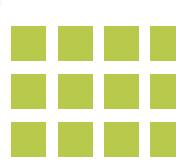
Xana ku na swivumbeko swingani? Xana hafu yin'we ya swivumbeko i yini?



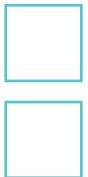
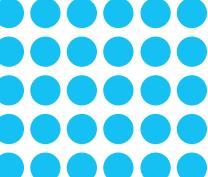
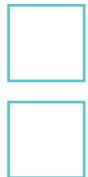
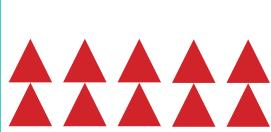
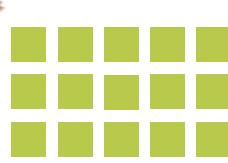
Xana ku na swivumbeko swingani? Xana n'we-xa-nharhu xa swivumbeko i yini?



Xana ku na swivumbeko swingani? Xana kotara yin'we ya swivumbeko i yini?

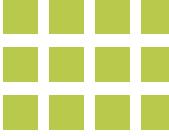
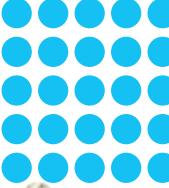


Xana ku na swivumbeko swingani? Xana n'we-xa-ntlhanu xa swivumbeko i yini?





Hetisa tafula leri nga laha hansi.

Xivulwa xa tinomboro xa ku andzisa	Xivulwa xa tinomboro xa ku avanyisa	Xana i yini	Xana i yini
	$2 \times 3 = 6$ kumbe $3 \times 2 = 6$	$6 \div 2 = 3$ kumbe $6 \div 3 = 2$	hafu yin'we ya swilo? 3 n'we-xa-nharhu xa swilo? 2
			n'we-xa-nharhu xa swilo? kotara yin'we ya swilo?
			kotara yin'we ya swilo? N'we-xa- ntshanu xa swilo?



Tirhisa malongolokelo ku kombisa

kotara yin'we ya 12 wa swiwitsi?	n'we-xa-nharhu xa 12 wa swiwitsi?	Hafu yin'we ya 12 wa swiwitsi?
-------------------------------------	--------------------------------------	--------------------------------

Manana u bakile 24 wa makhekhe ya swikhapana a bakela tindhawu ta vatirhi leti landzelaka.

Leswi odariweke hi leswi: Tirhisa swifaniso swa makhekhe ya swikhapana ku ku letela.

hafu yin'we ya switiroberi kasi leyi
saleke hinkwayo i ya vhanila



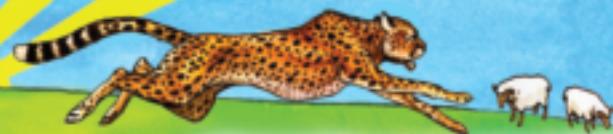
kotara yin'we ya chokoleti kasi leyi
saleke hinkwayo i ya vhanila.



n'we-xa-nharhu xa kharamele kasi lex
saleke hinkwaxo i ya vhanila.



Teacher:
Sign:
Date:

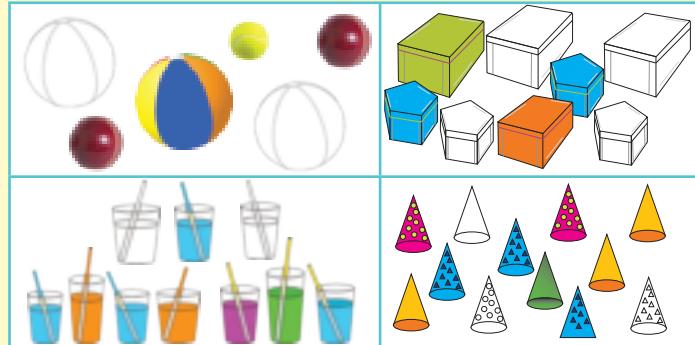


Siku:

Xiphemu xa swihlengeletiwa

Languta tinhlamuselo kutani u ti yelanisa na swifaniso ku kombisa leswaku i xiphemu xihi ya swilo lexi khalariweke. Vulavula hi xona.

I hafu ya swihlengeletiwa.



I-xa-nharhu ya swihlengeletiwa.

I kotara ya swihlengeletiwa.

I xa-ntlhanu ya swihlengeletiwa.



Endla swivilwa swa wena eka swifaniso leswi nga laha hansi. U fanele ku engetela marito man'wana ya swiphemu eka swivilwa swa wena.





Ololoxa swiphigo swa marito.

Manana u na nxaviso wa nhundzu ya khale ...

A ri na 15 wa swikipa. U xavisile 5.

Xana u xavisile xiphemu muni?

Nkhwatihata xivutiso.

Xana tinomboro ta nkoka hi tihi? _____

Dirowa xifaniso ku kombisa nhlamulo ya wena.

A ri na 18 wa majesi. U xavisile 9.

Xana u xavisile xiphemu muni?

Nkhwatihata xivutiso.

Xana tinomboro ta nkoka hi tihi? _____

Dirowa xifaniso ku kombisa nhlamulo ya wena.

A a ri na 12 wa swikete. U xavisile 3 wa swona.

Xana u xavisile xiphemu muni?

Nkhwatihata xivutiso.

Xana tinomboro ta nkoka hi tihi? _____

Dirowa xifaniso ku kombisa nhlamulo ya wena.

A ri na 20 wa mabaji. U xavisile 4.

Xana u xavisile xiphemu muni?

Nkhwatihata xivutiso.

Xana tinomboro ta nkoka hi tihi? _____

Dirowa xifaniso ku kombisa nhlamulo ya wena.



I xiphemu muni xa makhekhe ya swikhapano lexi nga totiwa hi chukela ra

banana? Chukela ra switiroberi?

Chukela ra chungamu?



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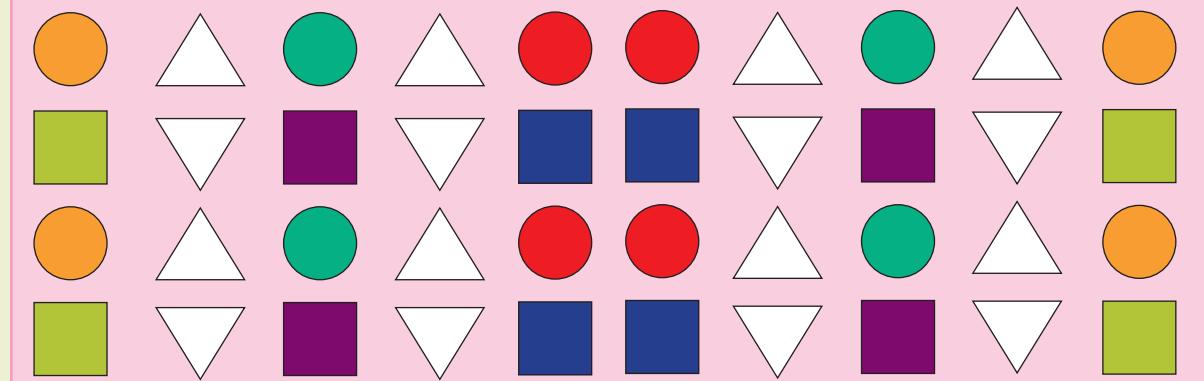
Ku ringana eka tipatironi

Kotara 4

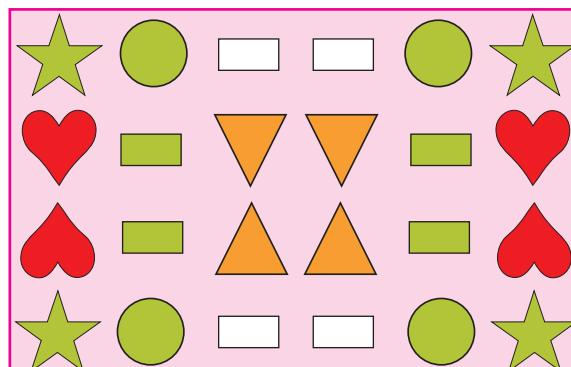
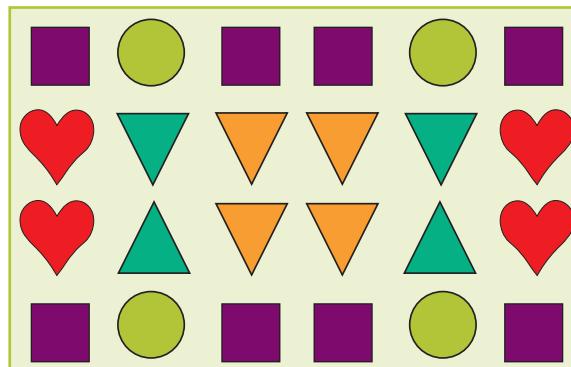
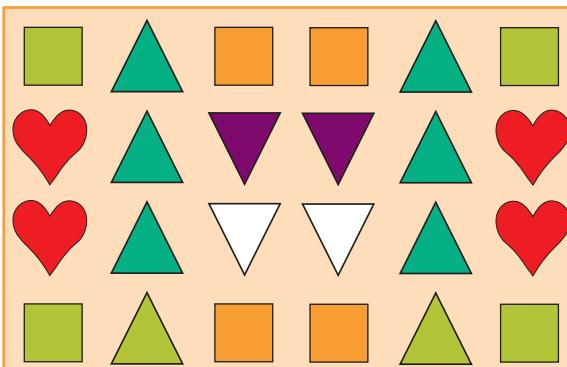


Languta swifaniso swa nkumba wo khavisa. Xana u vona yini?

Siku:

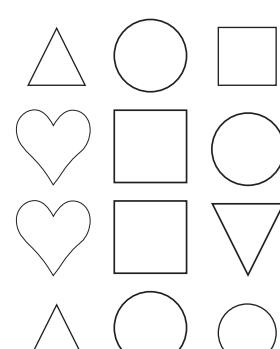
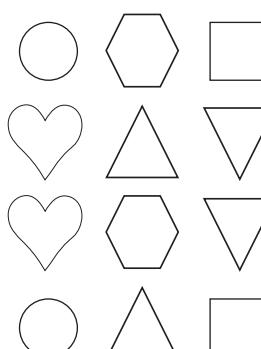
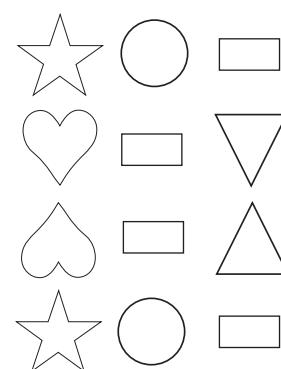
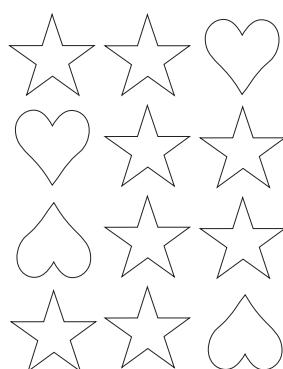
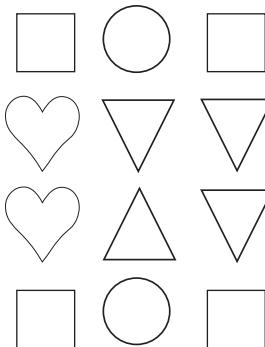
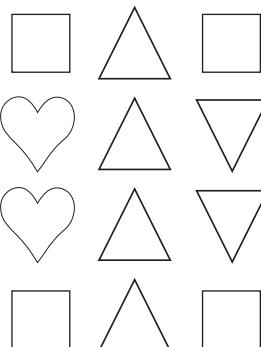


Dirowa mintila leswaku tlheloo ra nkumba wo khavisa ri fana na lerin' wana.





Dirowa tlhelo lerin'wana ra nkumba wo khavisa.
Ri khalare.



Teacher:

Sign:

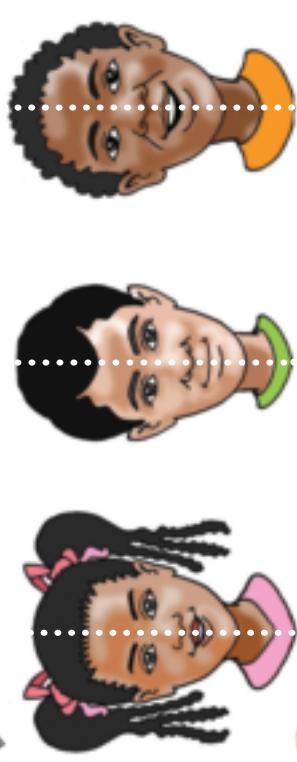
Date:

20 19 18 17 16 15 14 13 12

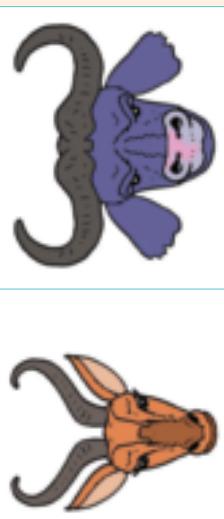


Ndzingano wun'wana

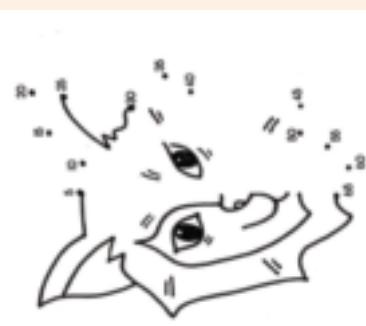
Langata swikanda leswi nga esufanisweni.
Xana tilhelorin'we ra xikandza ra fana na leri'n'wana?



Dirowa layini eka tilhelorin'we ra xikandza leri fandaka na leri'n'wana.



Dirowa tilhelorin'wana ra xikandza.
Tipatironi ta tuomboro ti ta ku pfuna.



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Kotara L