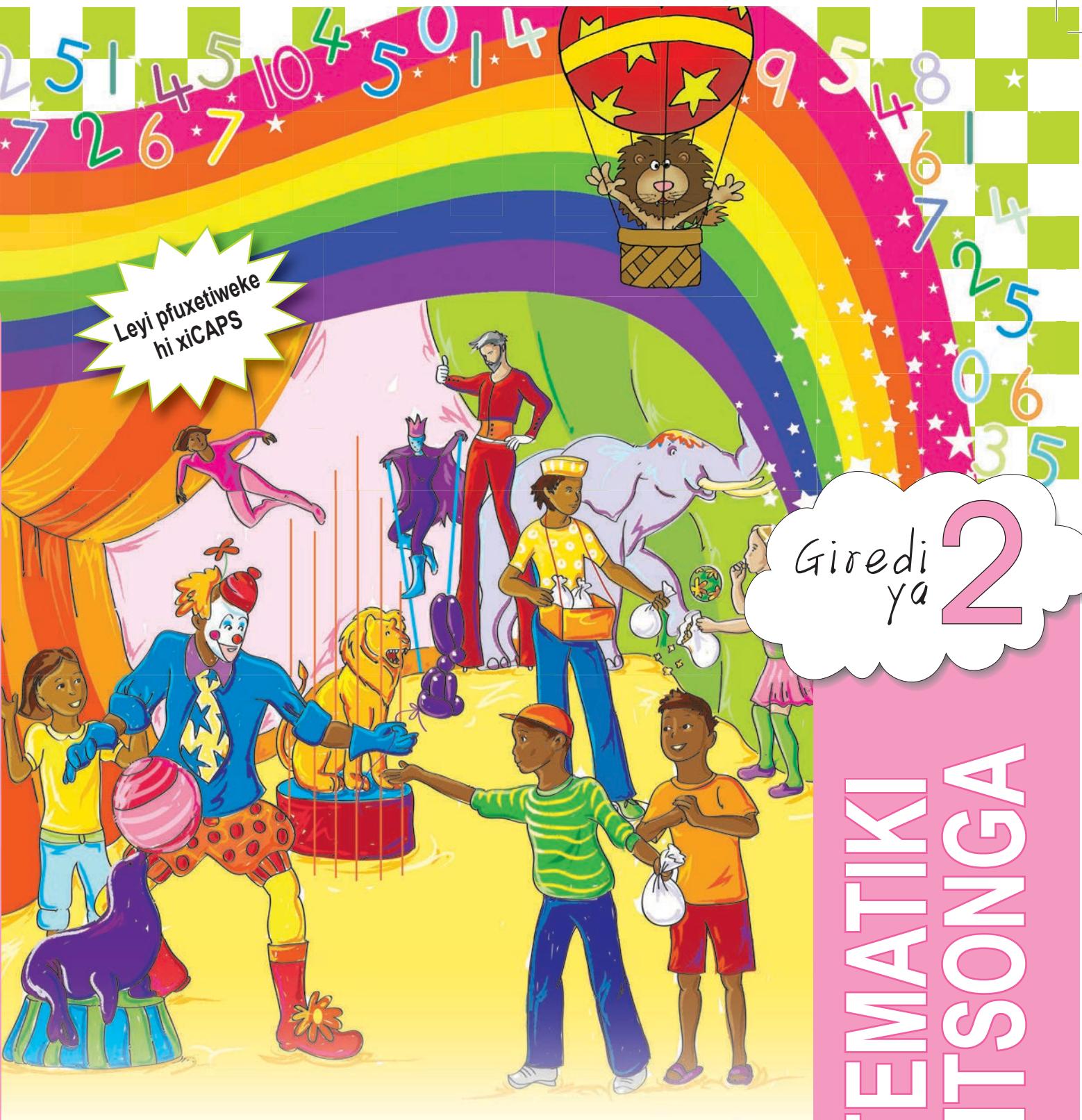


# 2

# MATHEMATIKI HI XITSONGA

Buku ya 2  
Tikotara ta  
3 na 4



MATHEMATIKI HI XITSONGA – Giredi ya 2 Buku ya 2

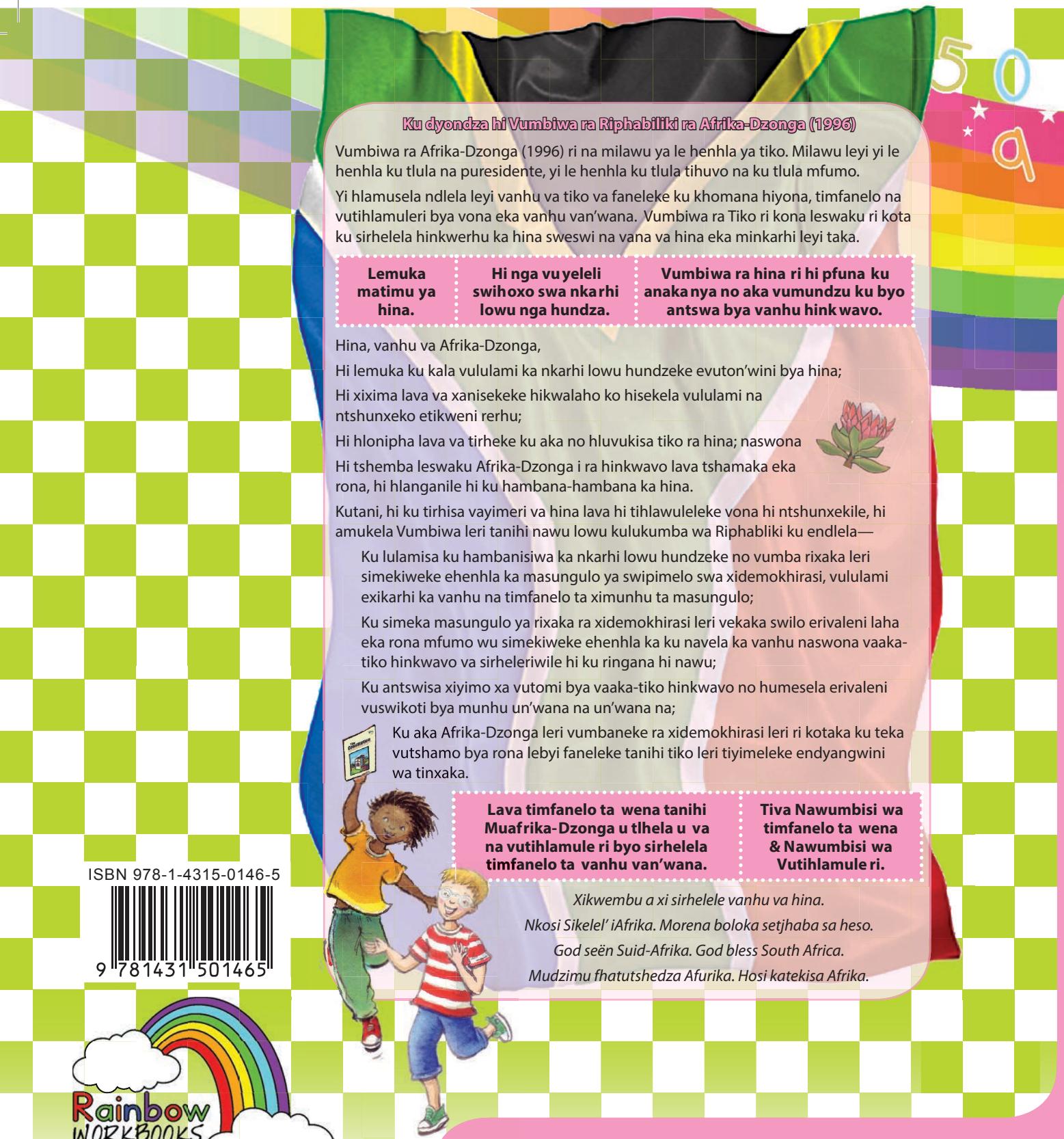
ISBN 978-1-4315-0146-5



**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 vekaka 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 xiyimo xa vutomi bya vaaka-tiko hinkwavo no humesela erivaleni vuswikeri 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.

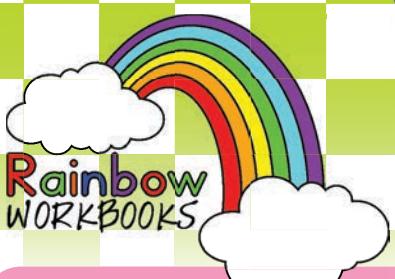
God seën Suid-Afrika. God bless South Africa.

Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

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MATHEMATICS IN XITSONGA

GRADE 2 – BOOK 2

TERMS 3 & 4

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9th Edition

1 2 3 4

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Manana Angie  
Motshekga, Holobye wa  
Dyondzo ya Masungulo



Nkulukumba Enver Surty,  
Xandla xa Holobye wa  
Dyondzo ya Masungulo

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

Tibuku to tirhela ta Rainbow ti vumba xiyenge xin'wana xa ntawa wa mgingiriko ya Ndzwawulo ya Dyondzo ya Masungulo leyi kongomisiweke eka ku antswisa matirhelo ya vadyondzi va Vaafrida-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 mgingiriko ya vona yo dyondzisa ya masiku hinkwawo no tiyisisa leswaku vadyondzi va vona va kota ku heta kharikhulamu. Hi tiyisise leswaku hi letela mudyondzisi eka nghingiriko wun'wana na wun'wana hi ku katsa mifungho leyi kombisaka leswi mudyondzi a faneleke ku endla swona.

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

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



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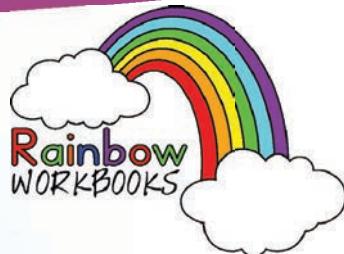
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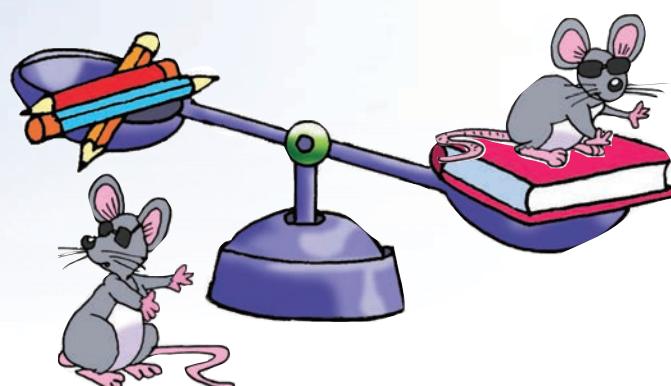
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# Giredi 2 ya



M a t e m a t i k i

Buku leyi i ya:



XITSONGA

Buku ya

2

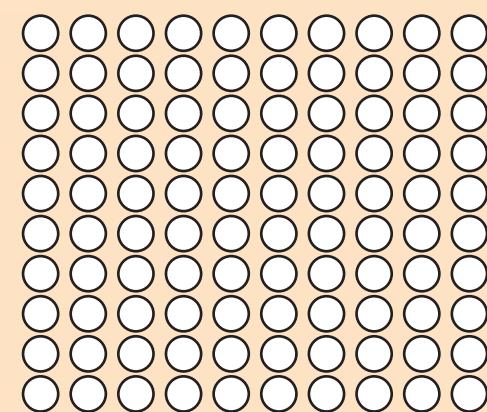
65



## Tinomboro ta 50 – qq

Kotara 3

Khalara 58 wa swirhendzevutana.



5 0

8



Tsala nhlamlulo. Xikombiso xo sungula xi ta ku letela.

$$60 + 8 \\ = 68$$

6 0 8



=

8 0 6



=

5 0 3



=

7 0 1

=

9 0 5

=

6 0 9



Tsala tinhlamulo ta leswi nga laha henhla hi marito:

makumentsevu nhungu

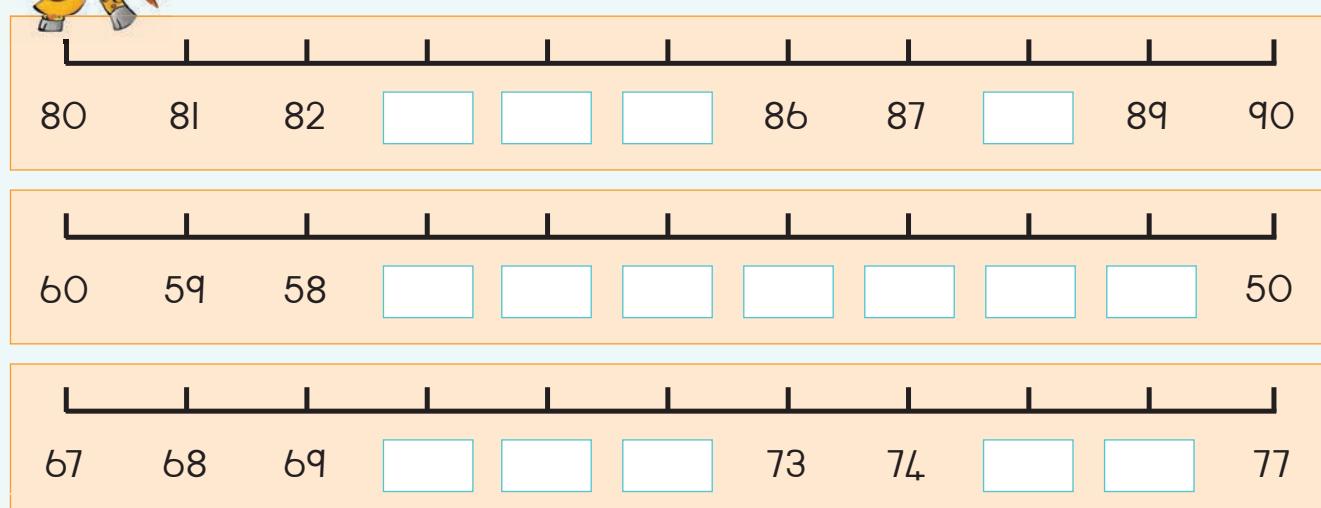


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.

Letitsongo	Nomboro	Letikulu
	55	
	63	
	88	
	95	
	71	



Hetisa mindzhati leyi ya mintsengo.



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



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

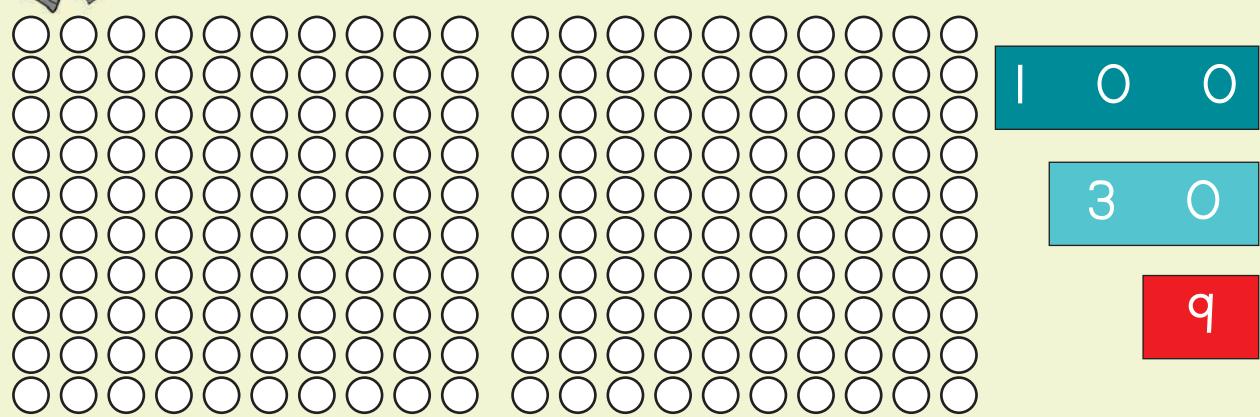
66



## Tinomboro ta 100 – 150

Khalara 139 wa swirhendzeyutana.

Kotara 3



Tsala nomboro ya:

$100 + 20 + 8 = 128$ 	$=$	$=$
$100 + 50 =$	$=$	$=$



Hi yihi nomboro leyi nghenaka exikarhi?

103 na 105? \_\_\_\_\_

139 na 141? \_\_\_\_\_

120 na 122? \_\_\_\_\_

150 na 148? \_\_\_\_\_

146 na 148? \_\_\_\_\_

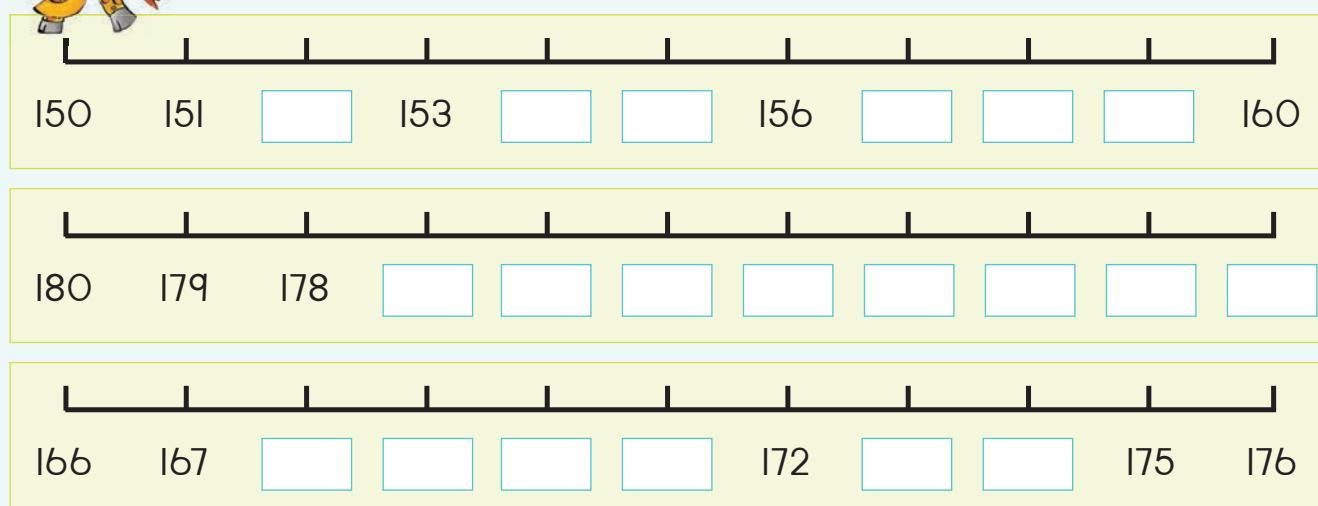


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyji nyikiweke.

Letitsongo	Nomboro	Letikulu
	123	
	145	
	108	
	141	
	134	



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.

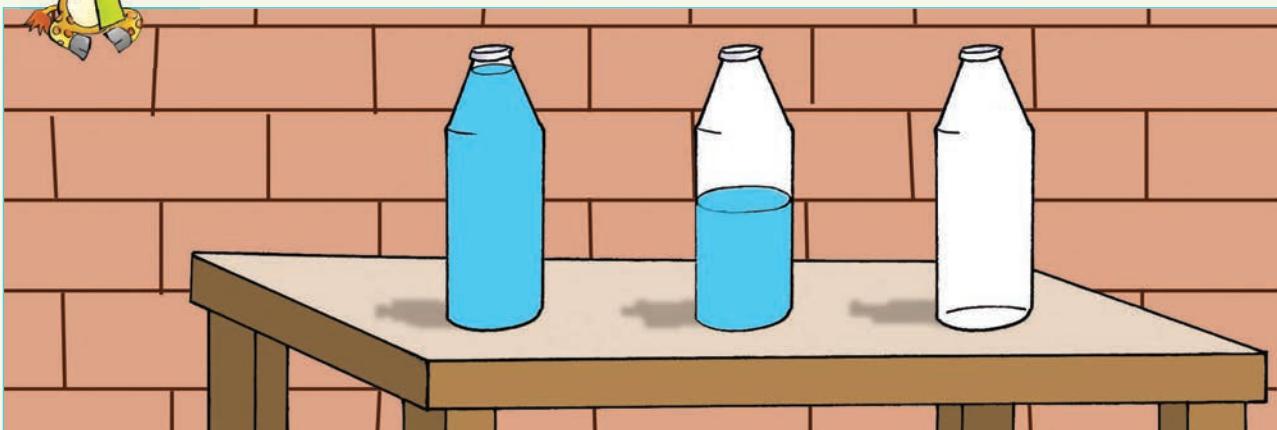


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## Ku tala, hafu na ku va hava nchumu

Kotara 3

Bula hi mabodhlela lawa ya nga eka tafula ra mudyondzisi.

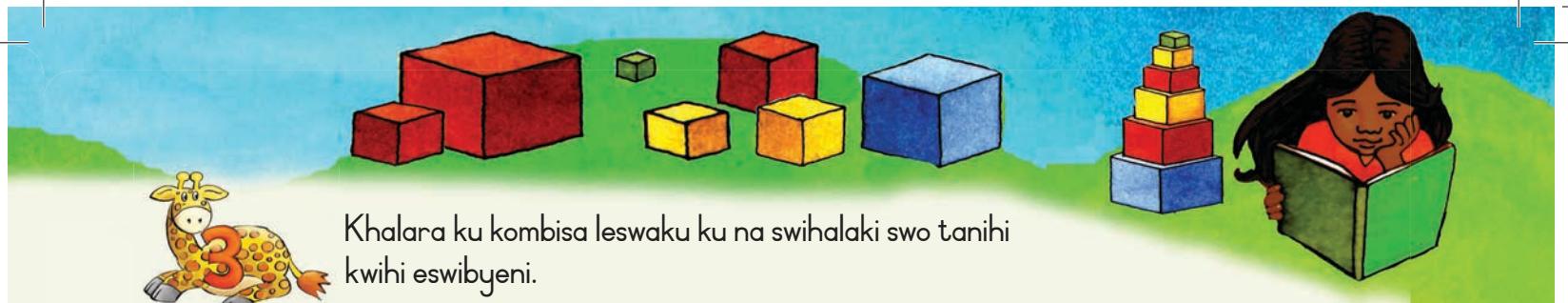


Vula loko xibye xi tele, xi ri hafu kumbe loko xi nga ri na nchumu.



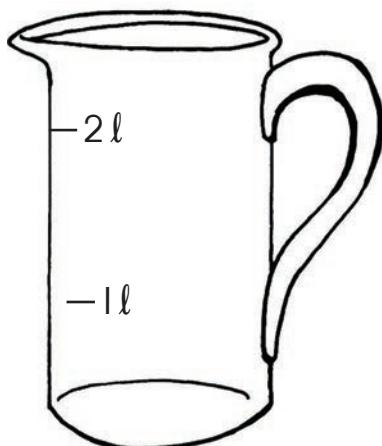
6

1 2 3 4 5 6 7 8 9 10

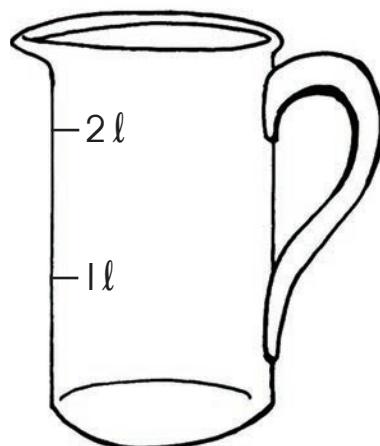


Khalara ku kombisa leswaku ku na swihalaki swo tanihi  
kwihi eswibyen.

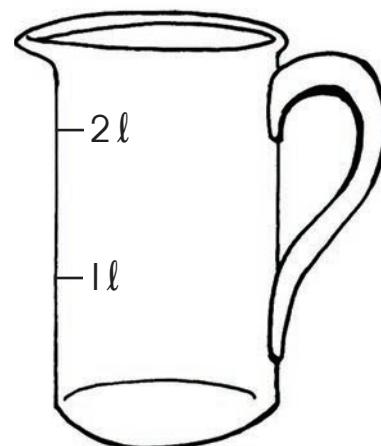
A ku na nchumu.



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?



Teacher:  
Sign:  
Date:

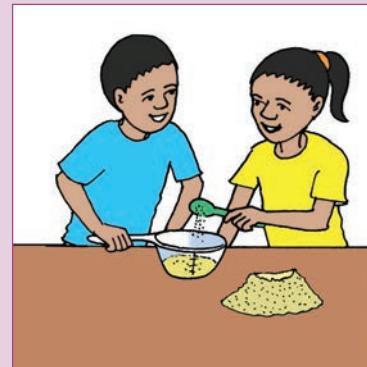
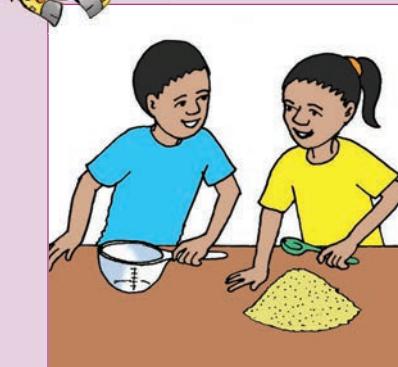


## Vuenti byin'wana

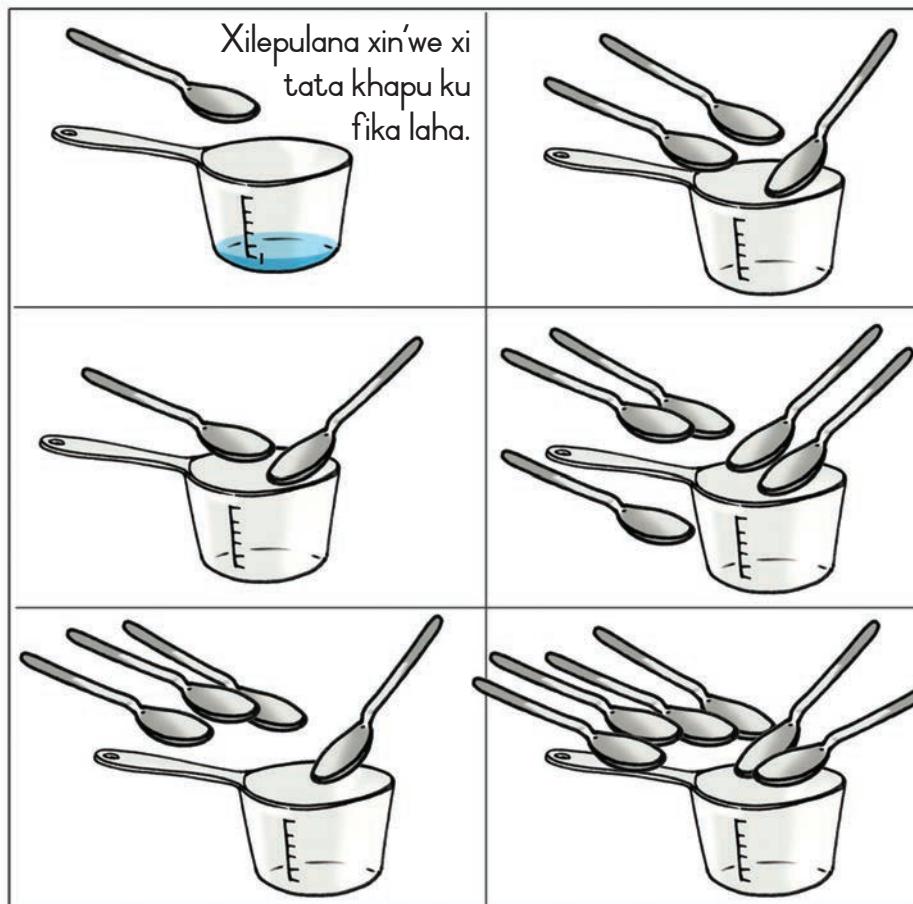
Siku:

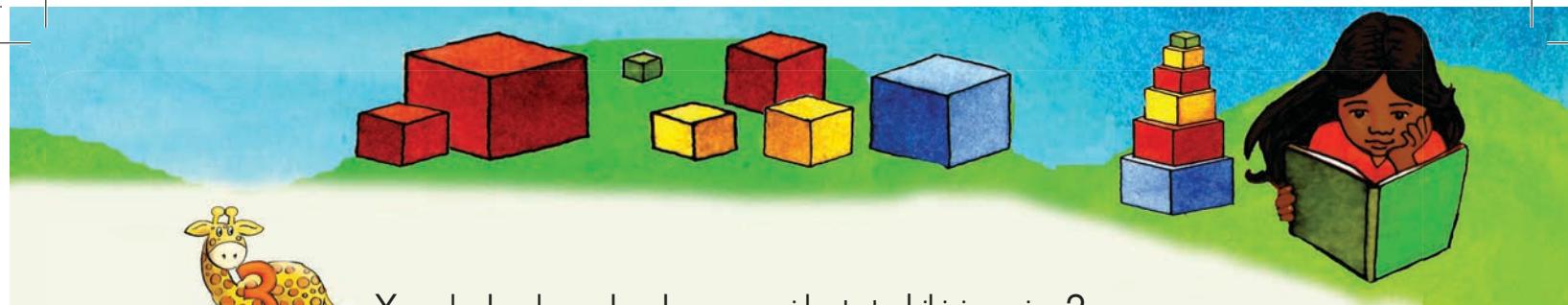


Languta xifaniso. Xana vana va endla yini?



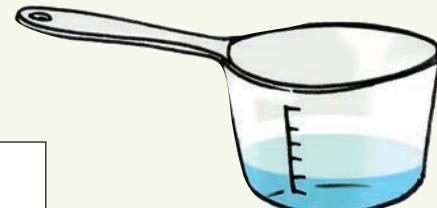
Ku laveka tikhapu ta mati tingani ku tata tijeke leti landzelaka?

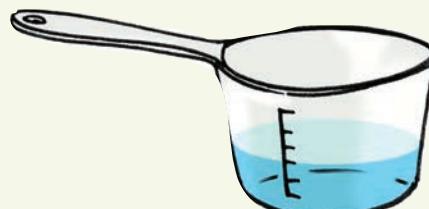




Xana ku laveka malepula mangani ku tata bikiri ro pima?















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

---



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69

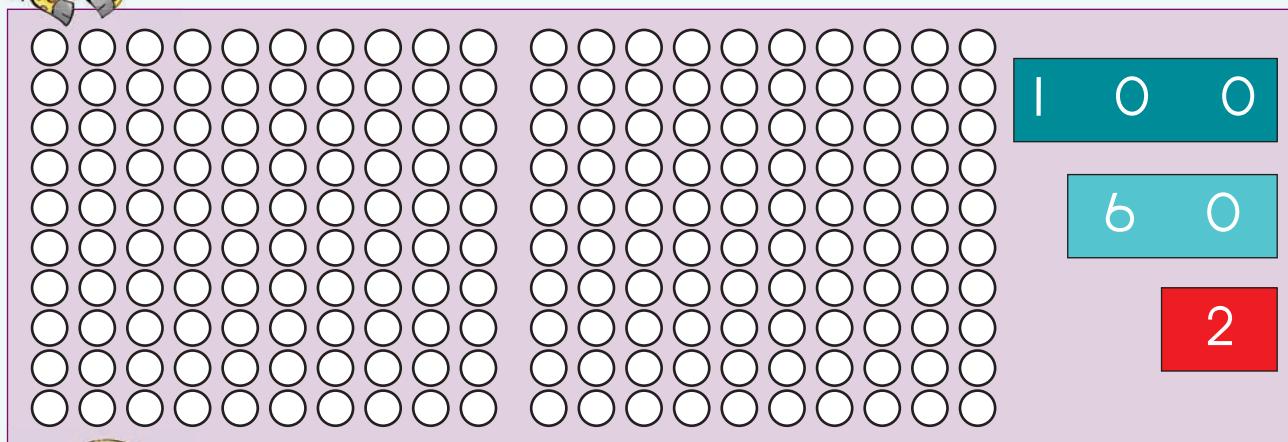


## Tinomboro ta |50 – |70

Kotara 3



Khalara |62 wa swirhendzevutana.



Tsala nomboro ya:

$100 + 50 + 2$ = 152	$=$	$=$
$100 + 60 + 0$ = 160	$=$	$=$
$100 + 50 + 4$ = 154	$=$	$=$



Hi yihi nomboro leyi nghenaka exikarhi:

|50 na |55 \_\_\_\_\_

|58 na |62 \_\_\_\_\_

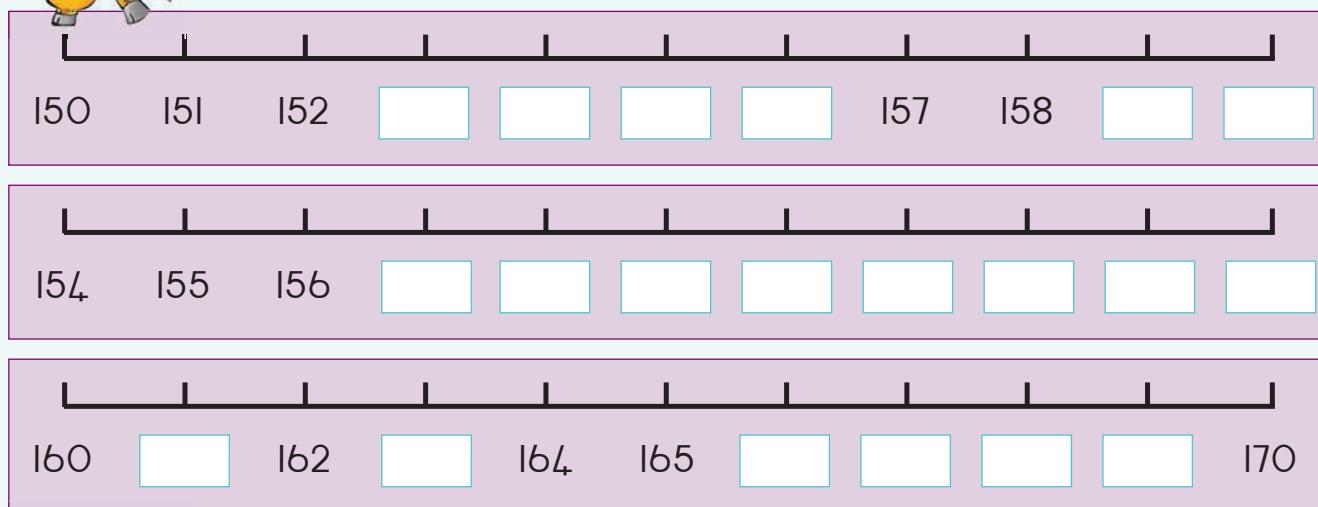
|70 na |65 \_\_\_\_\_

|63 na |67 \_\_\_\_\_

|72 na |66 \_\_\_\_\_



Letitsongo	Nomboro	Letikulu
	155	
	168	
	151	
	162	
	160	



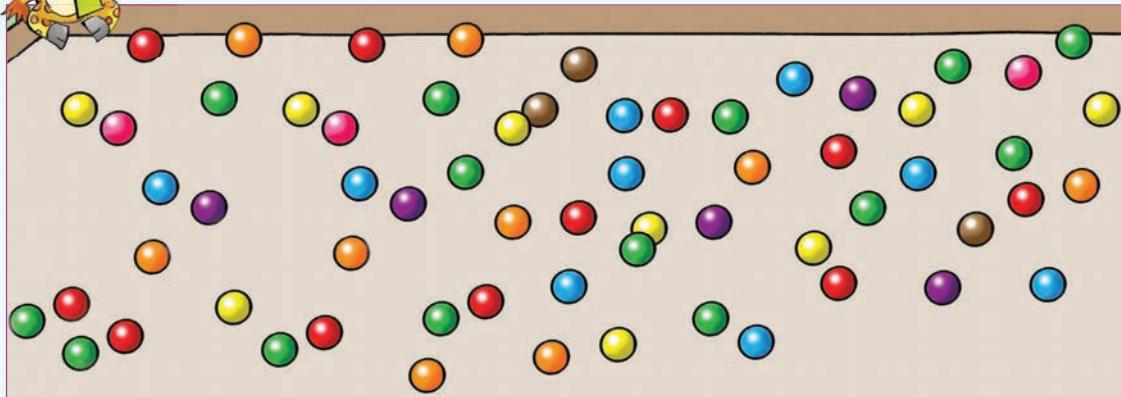
70

## Ku hlayela na ku pimanyeta (0 – 100)

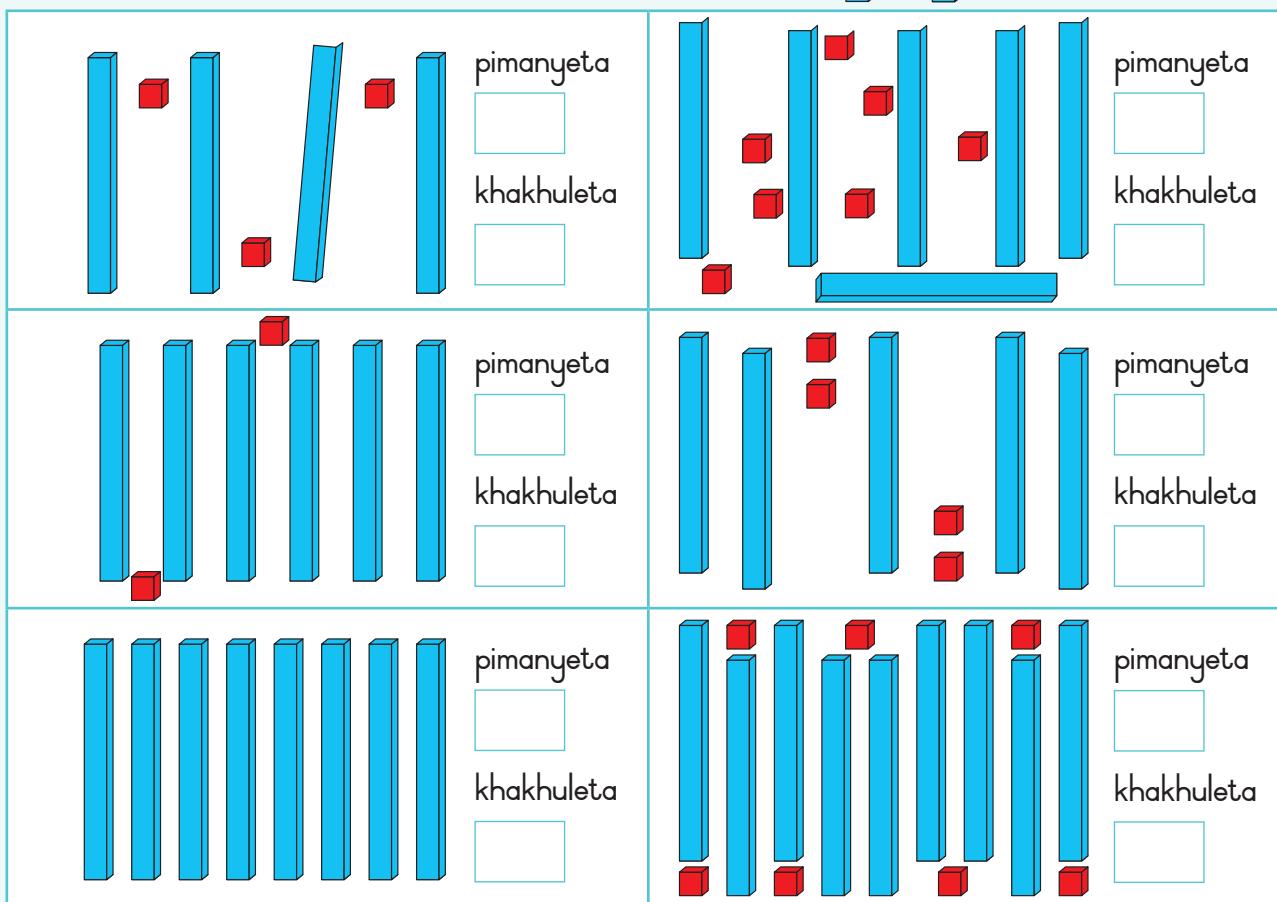
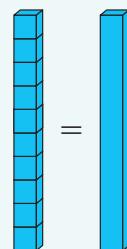
Kotara 3



Pimanyeta kutani u hlayela vuhlalu.



Siku:

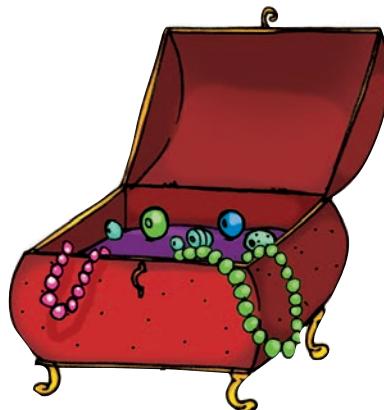
Ku na khume ra tibuloko exibyen.  
Pimanyeta kutani u hlayela.



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?

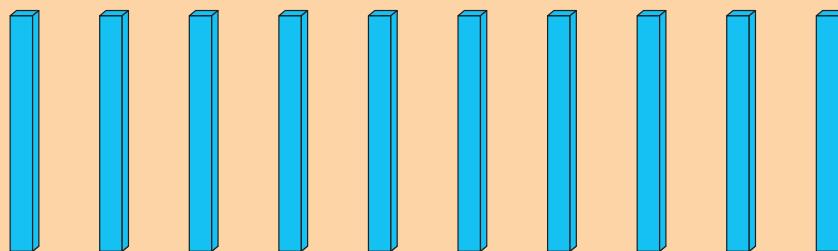


Ku na 100 wa vuhlalu ebokisini. Xana ku tumbetiwe byingani?



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

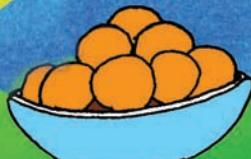
Xibye xin'wana na xin'wana xi na 10 wa tibuloko. Xana ku na tibuloko tingani?





Teacher:  
Sign:  
Date:

71

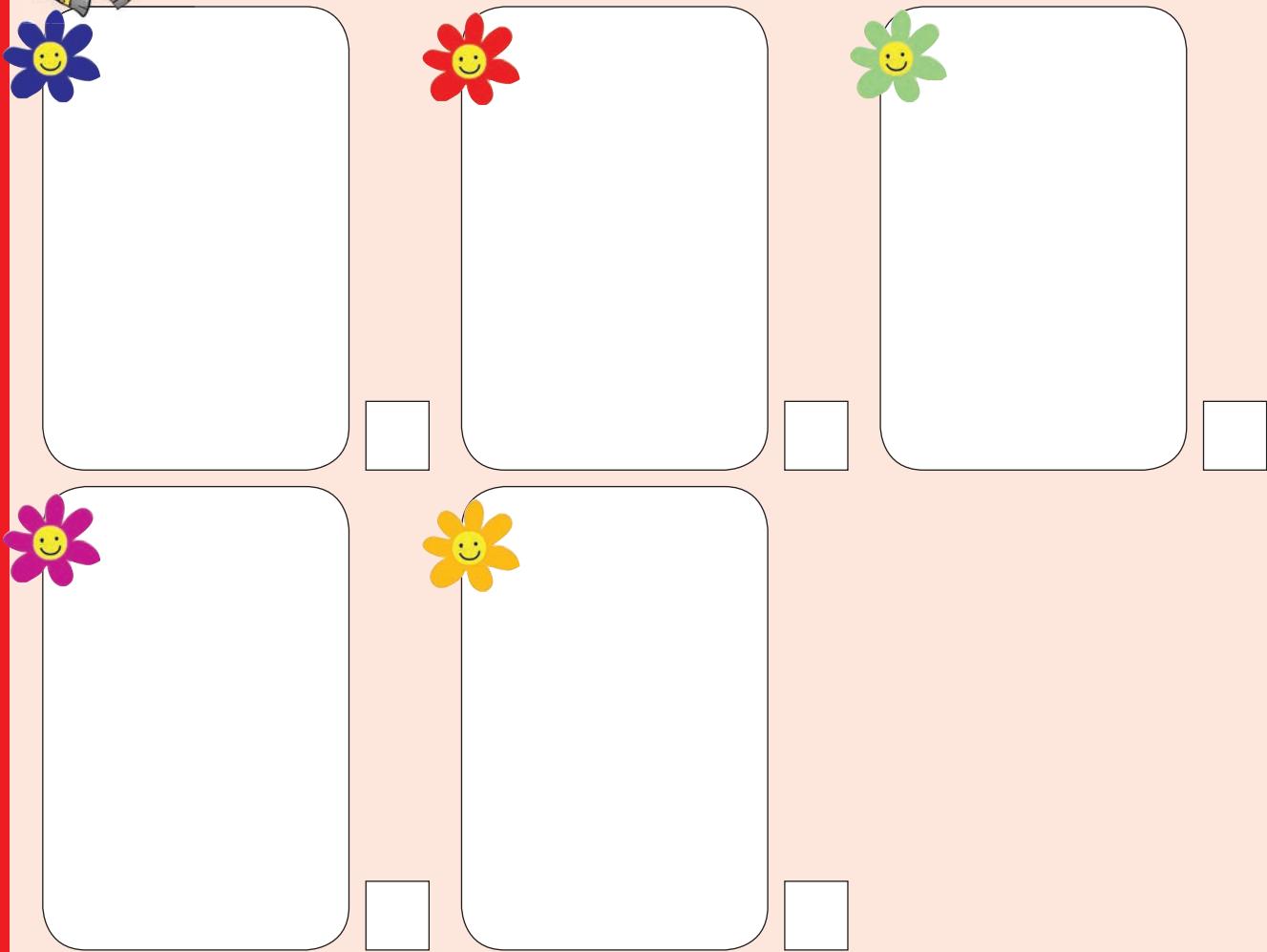


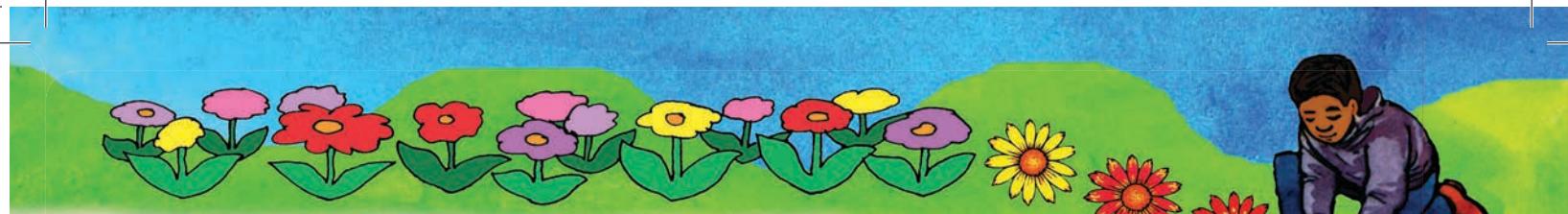
## Switiviwa swin'wana

Kotara 3



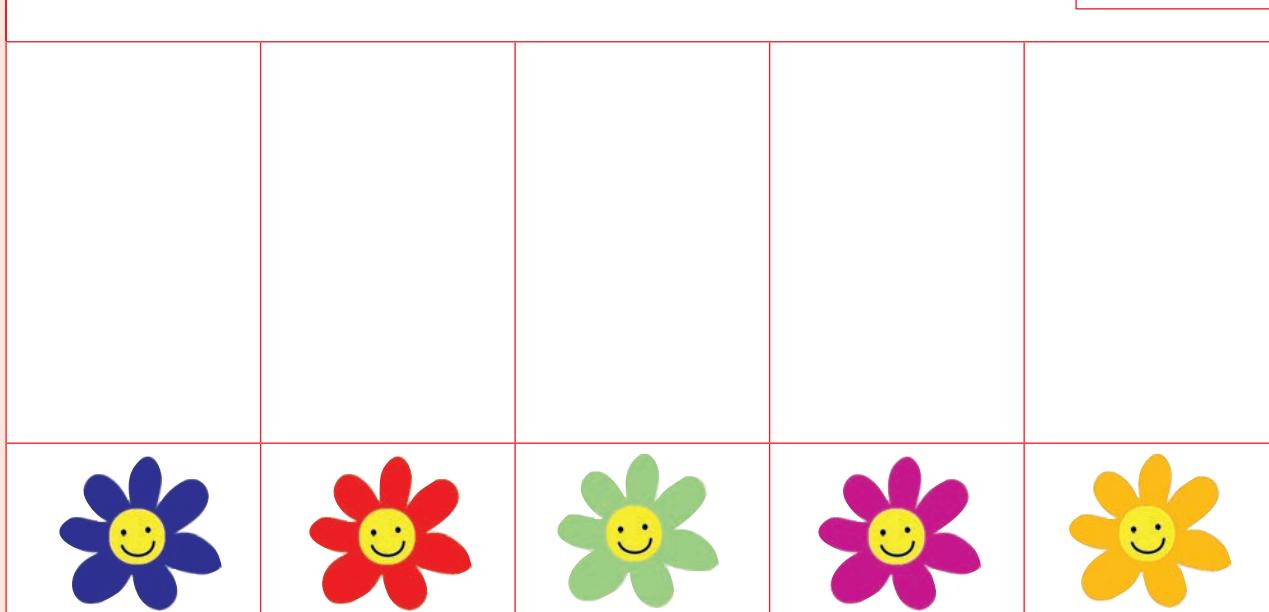
Hlawula swiluva. Dirowa swifaniso swa wena. Tsala ntsengo ebokisini.





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?

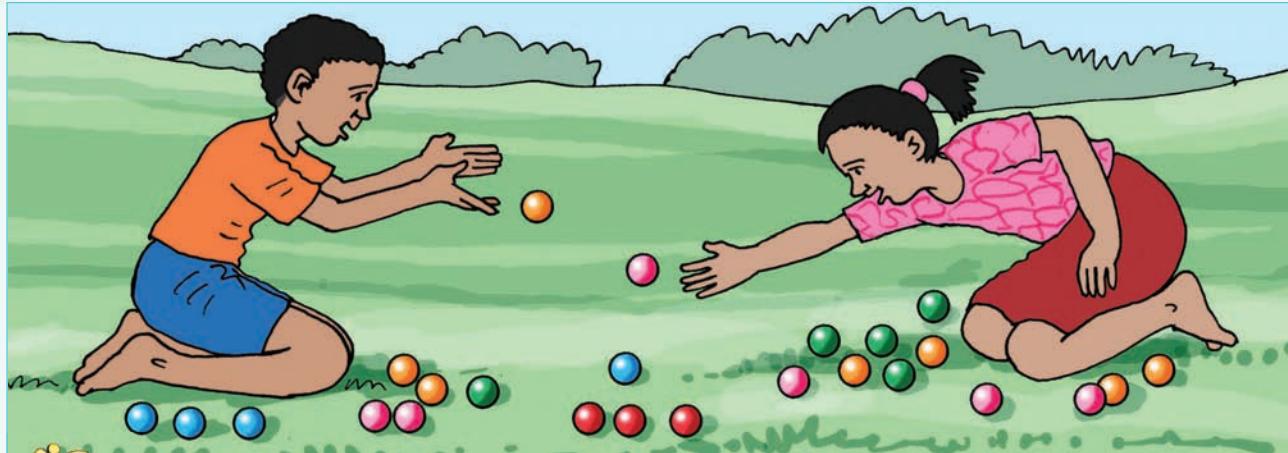


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## Ku hlanganisa 0–50

Kotara 3



Languta xifaniso kutani u hlanganisa timabulu.

tshwuka

+ wasi

$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$

rihlaza

+ wasi

$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$

pinki

+ wasi

$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$

rihlaza

+ xilamula

$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$

tshwuka

+ rihlaza

$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$



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

2

1 0

5

2 0

3

3 0

7

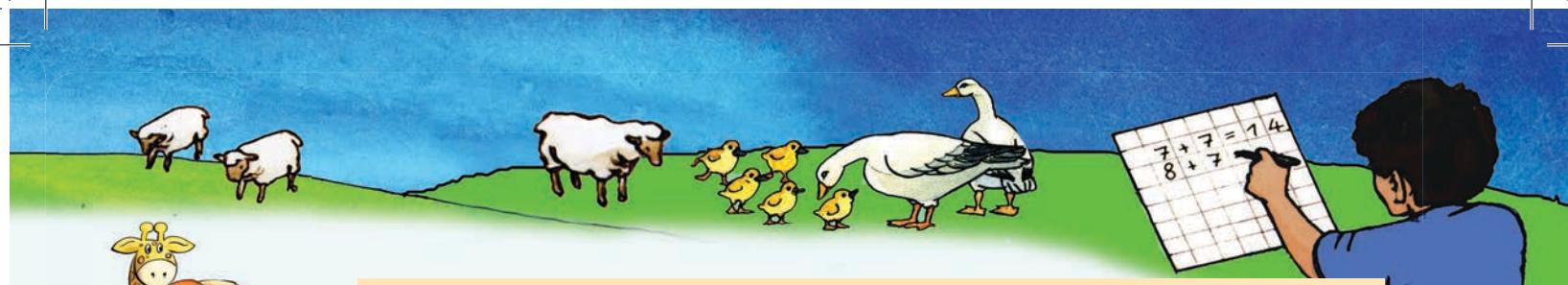
4 0

$7 + 40 = 47$

$10 + 2 = 12$

$20 + 5 = 25$

$3 + 30 = 33$



Hlanganisa.



Hlanganisa.

$1 \text{ } 0$	$+ \text{ } 3$	$= \boxed{\phantom{00}}$	$3 \text{ } 0$	$+ \text{ } 2$	$= \boxed{\phantom{00}}$
$2 \text{ } 0$	$+ \text{ } 5$	$= \boxed{\phantom{00}}$	$3 \text{ } 0$	$+ \text{ } 7$	$= \boxed{\phantom{00}}$
$4 \text{ } 0$	$+ \text{ } 1$	$= \boxed{\phantom{00}}$	$2 \text{ } 0$	$+ \text{ } 6$	$= \boxed{\phantom{00}}$
$1 \text{ } 0$	$+ \text{ } 4$	$= \boxed{\phantom{00}}$	$4 \text{ } 0$	$+ \text{ } 8$	$= \boxed{\phantom{00}}$
$3 \text{ } 0$	$+ \text{ } 9$	$= \boxed{\phantom{00}}$			

$16 + 13$

$6$	$3$	$= \boxed{q}$
$1 \text{ } 0$	$1 \text{ } 0$	$= \boxed{2 \text{ } 0}$

$$1 \text{ } 6 + 1 \text{ } 3 = 2 \text{ } 9$$

$24 + 12$

$4$	$2$	$= \boxed{\phantom{00}}$
$2 \text{ } 0$	$1 \text{ } 0$	$= \boxed{\phantom{00}}$

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$37 + 11$

$7$	$1$	$= \boxed{\phantom{00}}$
$3 \text{ } 0$	$1 \text{ } 0$	$= \boxed{\phantom{00}}$

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$25 + 23$

$5$	$3$	$= \boxed{\phantom{00}}$
$2 \text{ } 0$	$2 \text{ } 0$	$= \boxed{\phantom{00}}$

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$36 + 12$

$6$	$2$	$= \boxed{\phantom{00}}$
$3 \text{ } 0$	$1 \text{ } 0$	$= \boxed{\phantom{00}}$

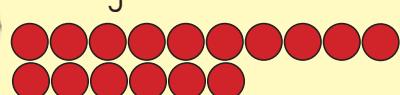
$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$28 + 21$

$8$	$1$	$= \boxed{\phantom{00}}$
$2 \text{ } 0$	$2 \text{ } 0$	$= \boxed{\phantom{00}}$

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

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  
5

10  
10

6  
2

20  
10

3  
5

20  
30

4  
4

40  
30



Siku:



Hlanganisa.

$$12 + 11$$

$$\begin{array}{cc} \boxed{\quad} & \boxed{\quad} \\ \boxed{\quad} & \boxed{\quad} \end{array} + \begin{array}{cc} \boxed{\quad} & \boxed{\quad} \\ \boxed{\quad} & \boxed{\quad} \end{array}$$

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

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

$$= \boxed{\quad}$$

$$23 + 41$$

$$\begin{array}{cc} \boxed{\quad} & \boxed{\quad} \\ \boxed{\quad} & \boxed{\quad} \end{array} + \begin{array}{cc} \boxed{\quad} & \boxed{\quad} \\ \boxed{\quad} & \boxed{\quad} \end{array}$$

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

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

$$= \boxed{\quad}$$



Hetisa.

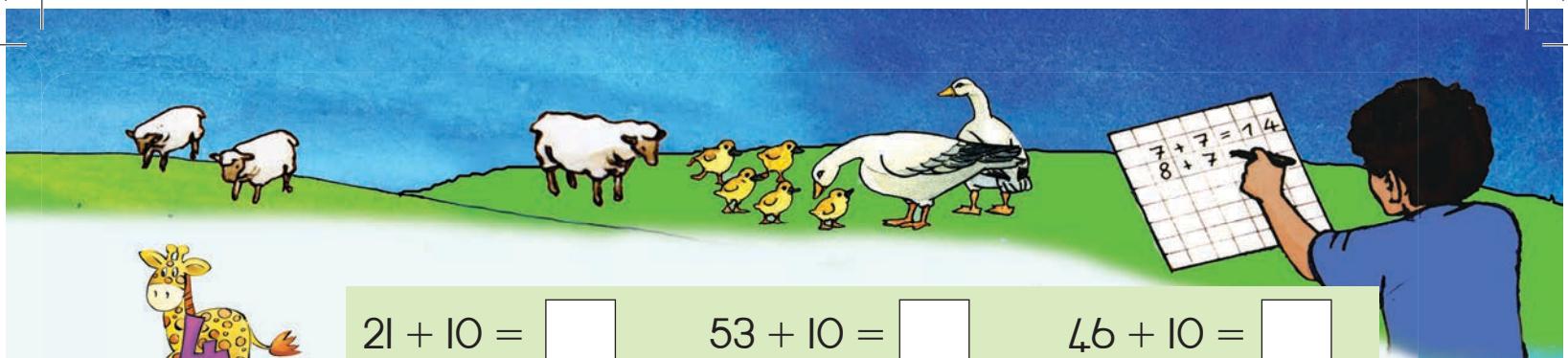
$$28 + 11 = 2\boxed{8} + 1\boxed{0} + 1 = 38 + 1 = 39$$

$$34 + 12 = 3\boxed{4} + 1\boxed{0} + 2 = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$43 + 23 = 4\boxed{3} + 2\boxed{0} + 3 = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$45 + 23 = 4\boxed{5} + 2\boxed{0} + 3 = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

$$56 + 11 = 5\boxed{6} + 1\boxed{0} + 1 = \boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



Hlanganisa.

$21 + 10 = \boxed{\phantom{00}}$

$53 + 10 = \boxed{\phantom{00}}$

$46 + 10 = \boxed{\phantom{00}}$

$68 + 10 = \boxed{\phantom{00}}$

$37 + 10 = \boxed{\phantom{00}}$

$42 + 10 = \boxed{\phantom{00}}$

$74 + 10 = \boxed{\phantom{00}}$

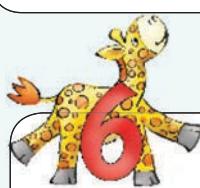
$19 + 10 = \boxed{\phantom{00}}$

$55 + 10 = \boxed{\phantom{00}}$



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



Yelana 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

$$50 + 5 = 55$$

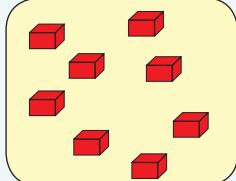
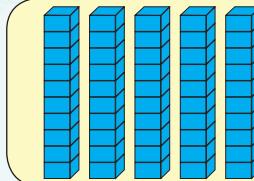
7

4 0

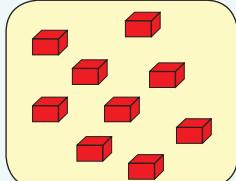
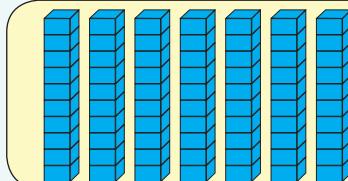
$$4 + 70 = 74$$



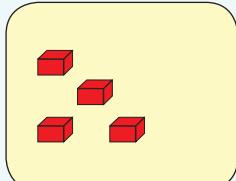
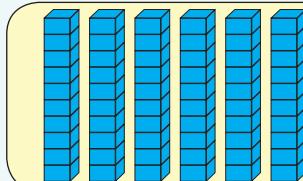
Tsala nhlayo ya leswi landzelaka kutani u tata tinhlamulo.



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



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



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



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

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

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

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

Hlanganisa.

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

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

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

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

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



Hlanganisa.

$56 + 15$

$34 + 17$

$56 + 15 = 71$


$48 + 13$

$63 - 41$

$48 + 13 = 61$


$75 - 51$

$72 - 49$

$75 - 51 = 24$



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



Xana ntsengo i yini? \_\_\_\_\_

Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



Siku:

## Tibolo, mabokisi na tisilindara



Xana wa ha  
tsundzuka  
swivumbeko swa  
swilo leswi?

Marito lama ma nga ku pfuna:

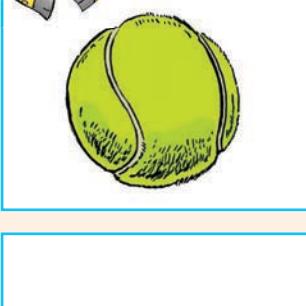
mabokisi

tibolo

tisilindara

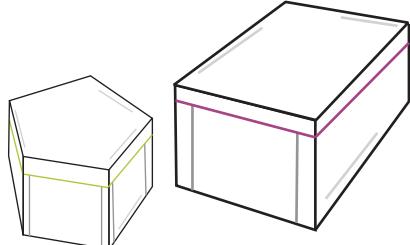


Kombisa tibolo, mabokisi na tisilindara hi ku tsala rito ehansi ka xin'wana na xin'wana.





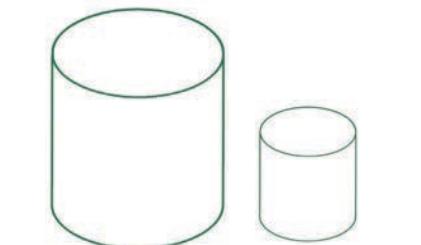
Khalara swilo leswitsongo hi muhlovo wa wasi.



mabokisi



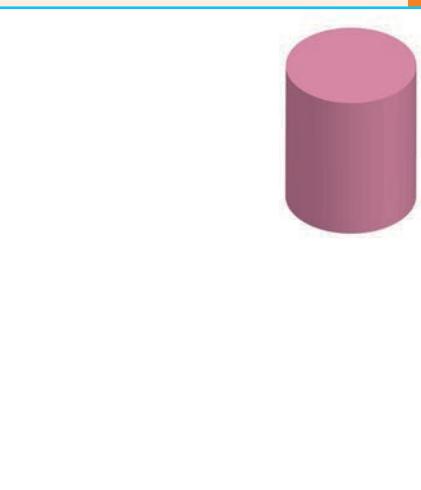
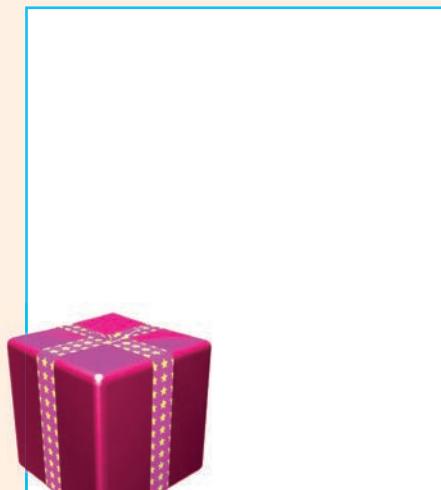
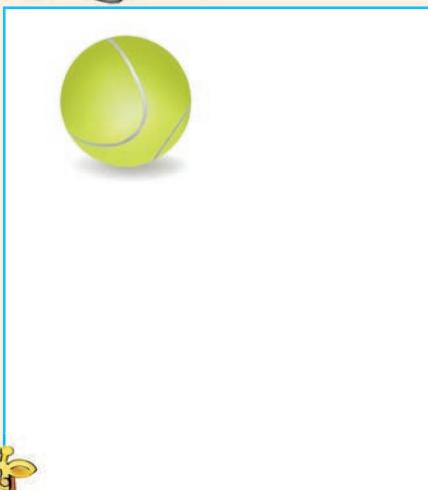
tibolo



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?

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11

12

13

14

15

16

17

18

19

20

## Rhetisa, khunguluxa

no aka hi swilo swa 3 wa matlhelot

Siku:

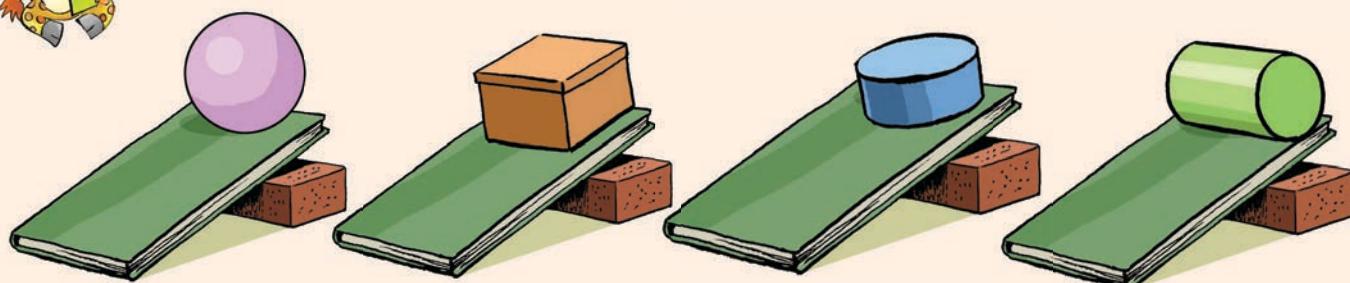


Mudyondzisi wa wena u ta endla nghingiriko lowu leswaku u kota ku vona loko leswi landzelaka swi ta kota ku balansa:

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



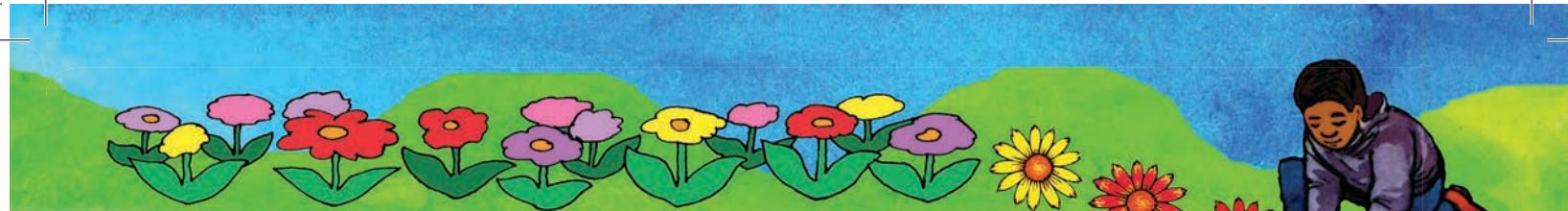
Mabokisi, tibolo na tisilindara swi nga khunguluka kumbe swi rheta. Mudyondzisi wa wena u ta ku nyika swilo leswi landzelaka ku vona loko swi ta khunguluka kumbe swi rheta. Endzhaku ko endla nghingiriko lowu, vula loko swilo swi ta khunguluka kumbe loko swi ta rheta.



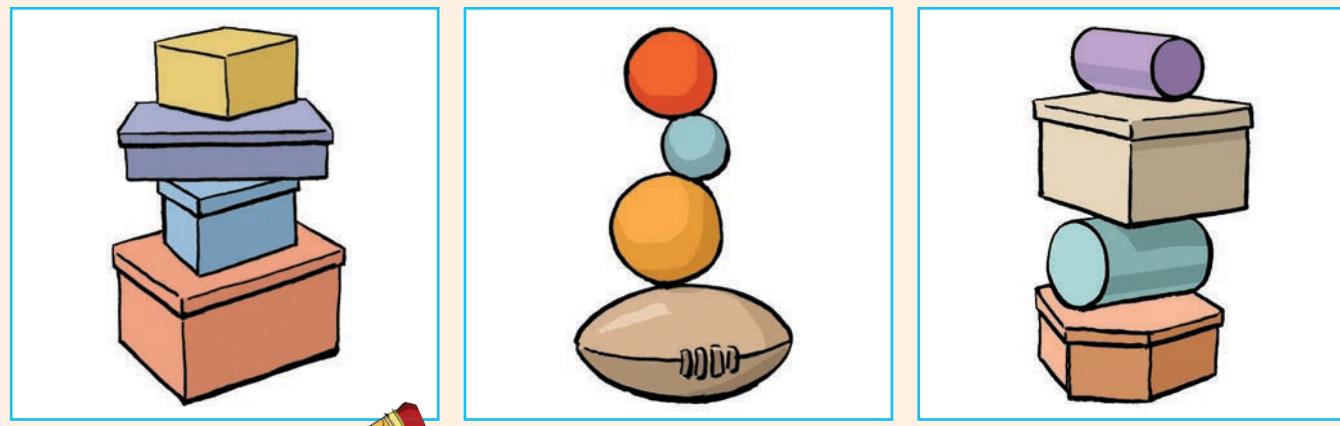
Kuma swifaniso swa swilo eka timagazini leswi swi khungulukaka kumbe leswi rhetaka kutani u swi damarheta laha.

khunguluka

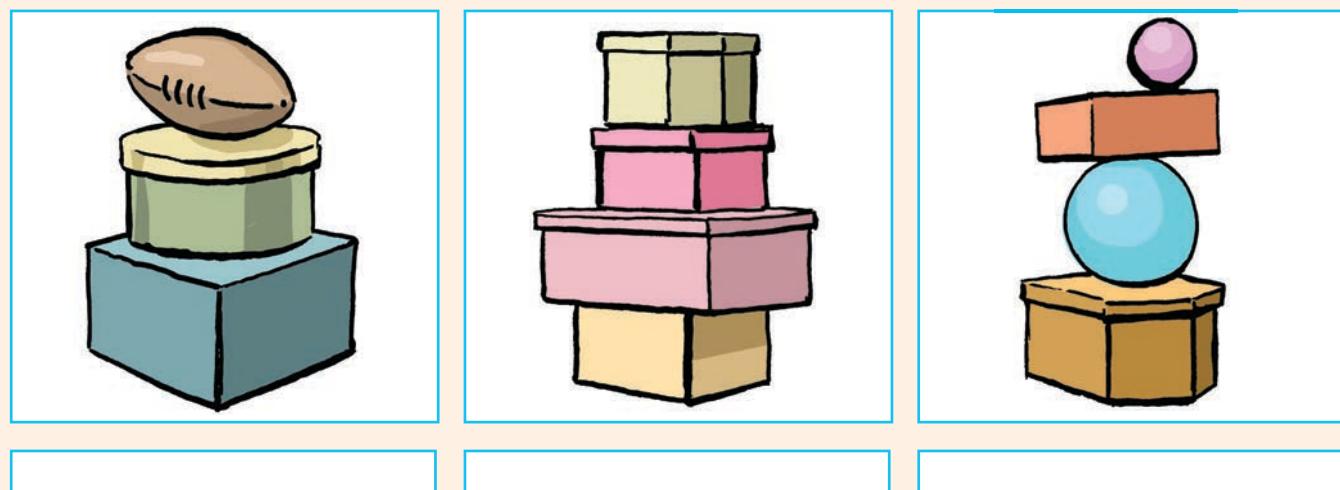
rheta



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



Siku:

Kotara 3

## Ku hlanganisa no susa kun'wana 0–75



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

	<b>5 0</b>	<b>5 0</b>	<b>4 0</b>	<b>3 0</b>
<b>2</b>	<b>2 0</b>	<b>1 0</b>	<b>1 0</b>	<b>2 0</b>
<b>3</b>		<b>2</b>	<b>3</b>	<b>1</b>



Hlanganisa u tirhisa maendlele ya wena.

$52 + 21$

$43 + 28$

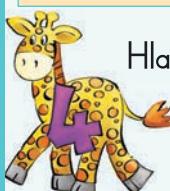


Hetisa.

$28 + 31 = 2\boxed{8} + \boxed{30} + \boxed{1} = 58 + \boxed{1} = 59$

$45 + 32 = 4\boxed{5} + \boxed{30} + \boxed{2} = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$

$52 + 14 + 5\boxed{2} + \boxed{10} + \boxed{4} = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$



Hlanganisa.

$41 + 10 = \boxed{\phantom{0}}$

$44 + 10 = \boxed{\phantom{0}}$

$71 + 10 = \boxed{\phantom{0}}$



Ntsengo wa 36 na 24 i \_\_\_\_\_.

Dirowa xifaniso u kombisa nhlamulo ya wena.

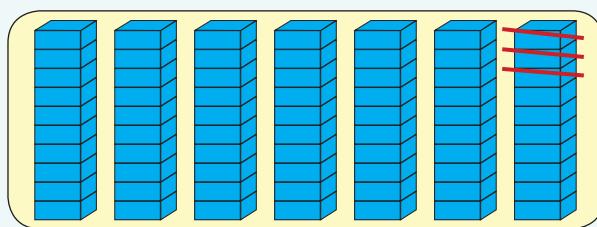


Susa tinomboro ta le ka bokisi ra le hansi ku suka  
eka tinomboro ta bokisi ra le henhlala.

<b>5</b>	7 0	2	6 0	7	5 0	q	3 0
3	4 0	1	2 0	6	1 0	5	1 0



Tsala nhlayo ya leswi landzelaka.



$$\boxed{\phantom{0}} - \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

$$\boxed{\phantom{0}} - \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



Susa:

$$65 - 23$$

$$72 - 29$$



Susa.

$$61 - 10 = \boxed{\phantom{0}}$$

$$42 - 10 = \boxed{\phantom{0}}$$

$$37 - 10 = \boxed{\phantom{0}}$$



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



Xana ku sale timabulu tingani? \_\_\_\_\_



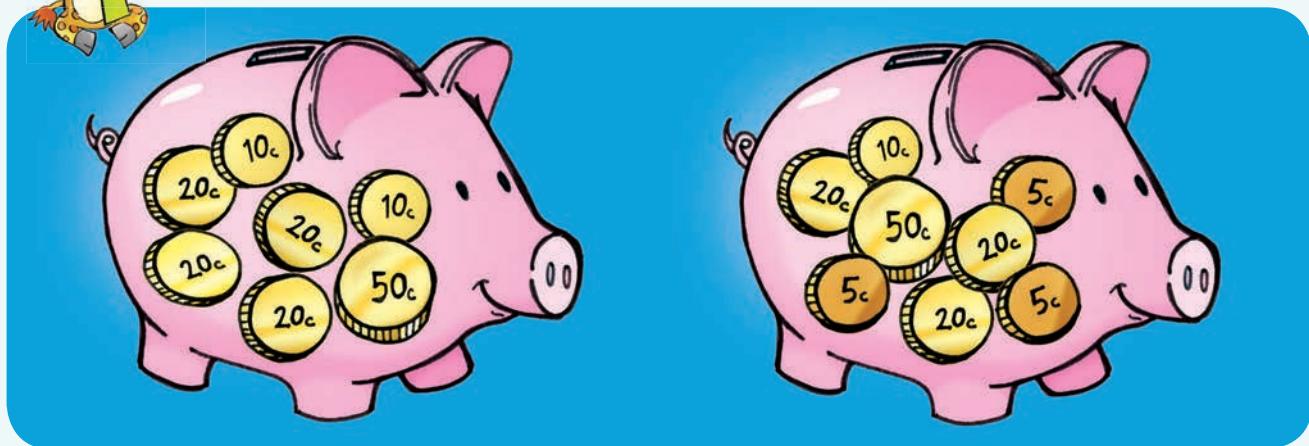


## Mali yin'wana

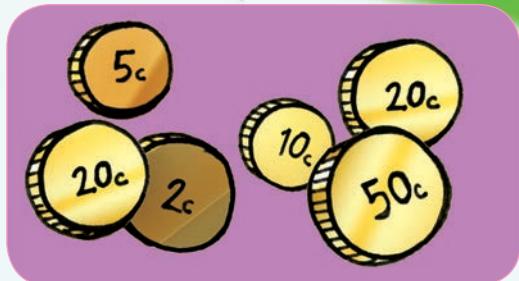
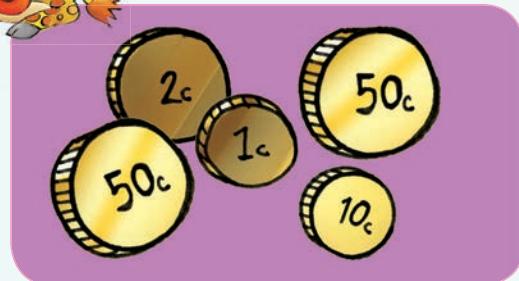
Kotara 3



Xana ku na yini ebangi ya mina ya xingulubyana?



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

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

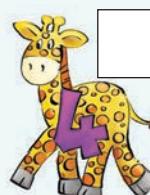
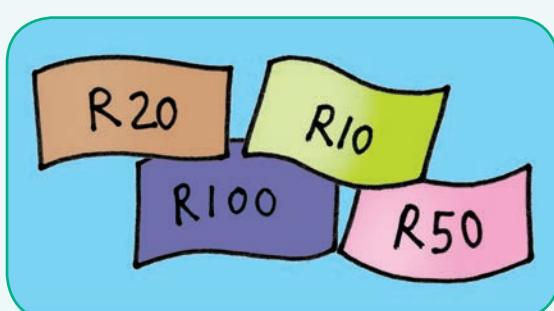
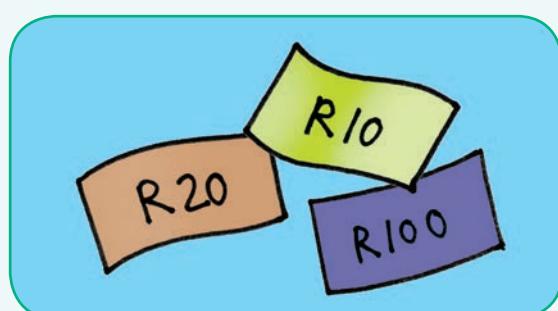
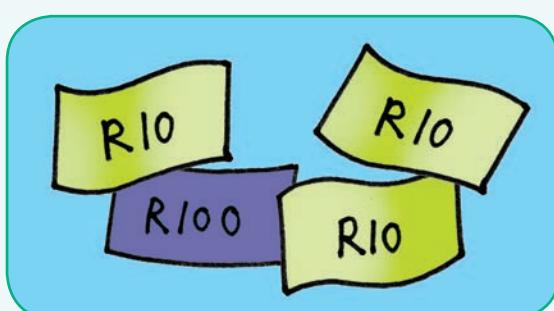
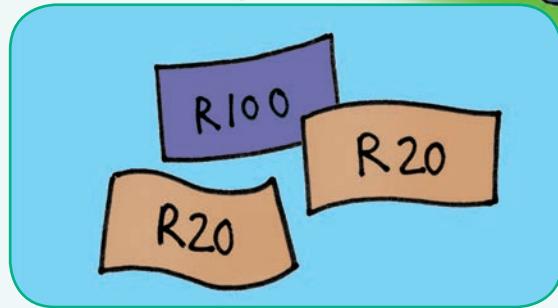
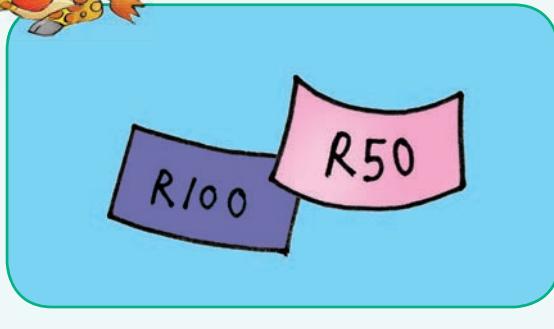
Xana ku na mali muni exipacini xa mina?

Kotara 3



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






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?



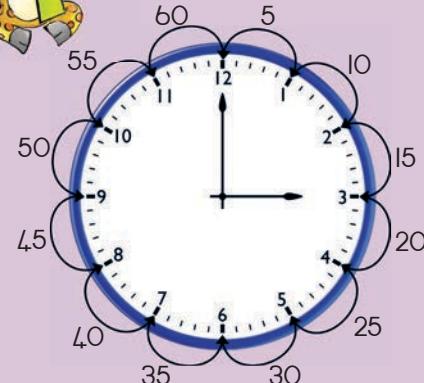
80

## Tipatironi ta nkarhi

Kotara 3



Bula hi wachi.



Wachi yi kombeta nkarhi.

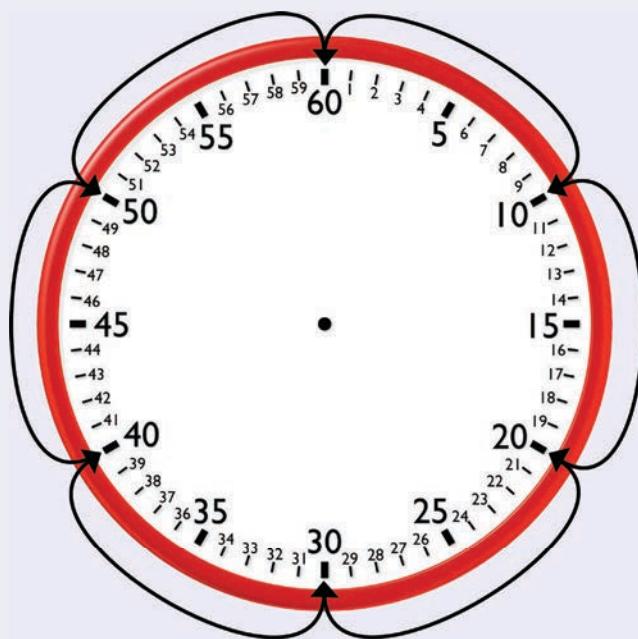
Rimhondzo ro koma ri hi kombeta tiawara.

Rimhondzo ro leha ri hi kombeta timinete.

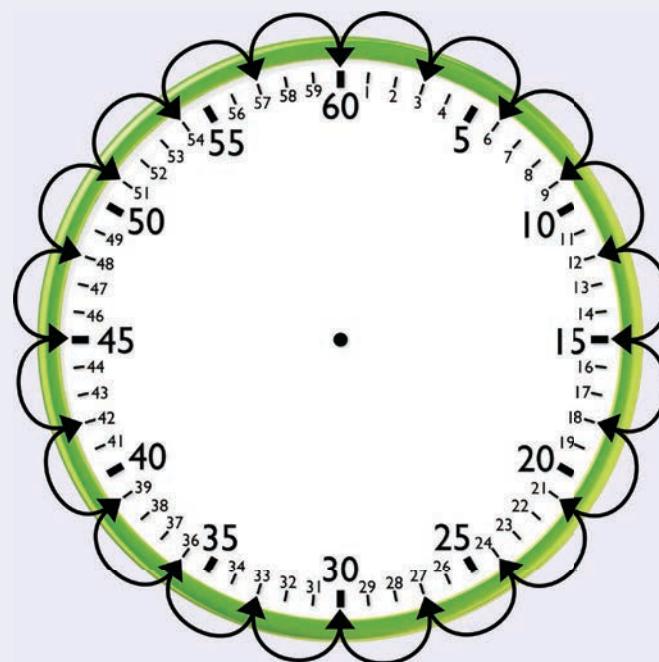
Laha hi hlayela timinete hi vuntlhanu



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



10 \_\_, \_\_, \_\_, \_\_, \_\_,

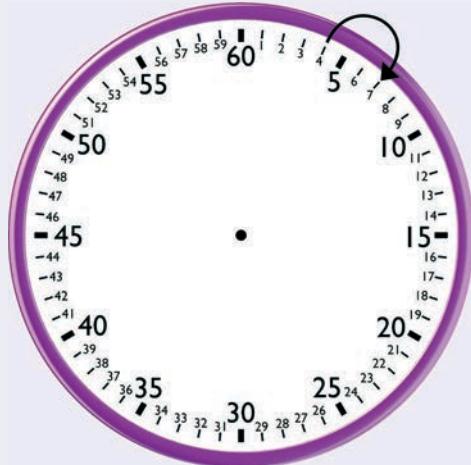


3, \_\_, \_\_, \_\_, \_\_, \_\_, \_\_,  
\_\_ , \_\_, \_\_, \_\_, \_\_, \_\_,  
\_\_ , \_\_, \_\_, \_\_,

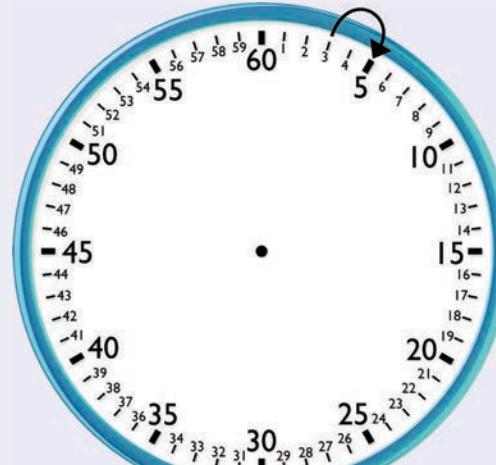


Kombisa patironi u tirhisa minseve.

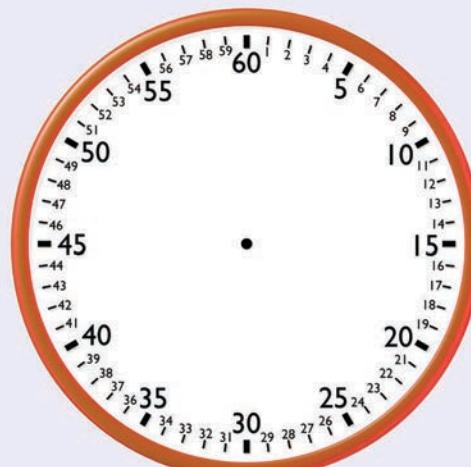
Hlayela hi vu-3 u sungula eka 4.



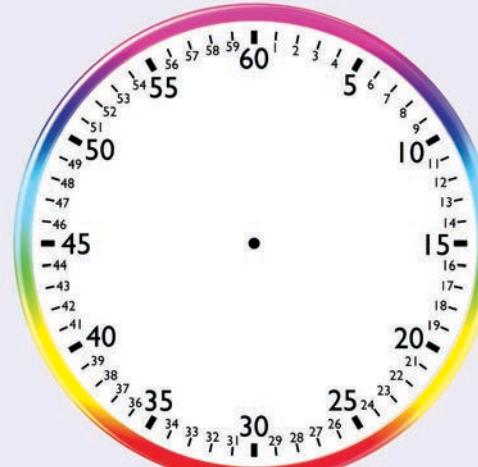
Hlayela hi vu-2 u sungula eka 3.



Hlayela hi vu-10 u sungula eka 1.



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:

8a



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.

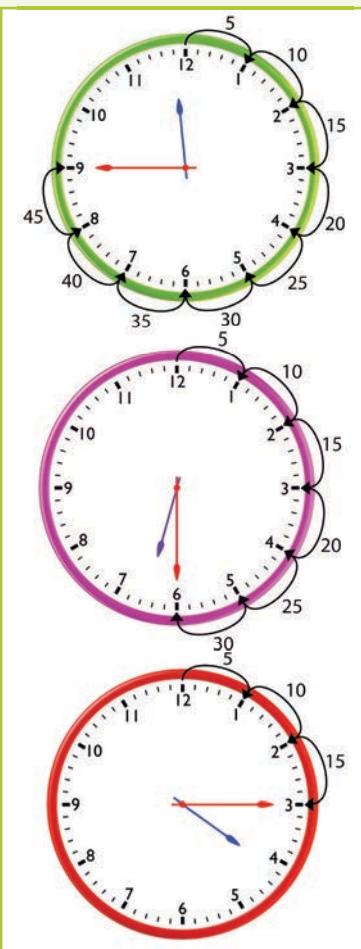
Hi ri i **kotara** ku bile awara ya **nharhu**

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 \_\_\_\_\_.

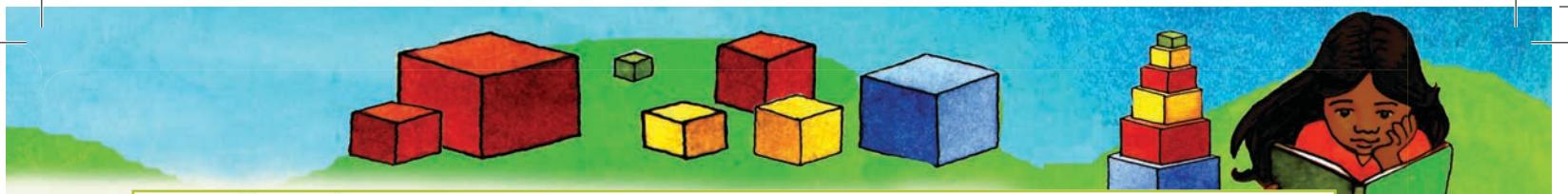
Rimhondzo ro leha ri hi kombba \_\_\_\_\_.

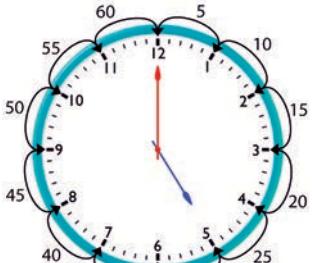
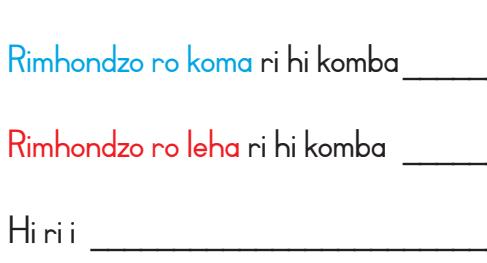
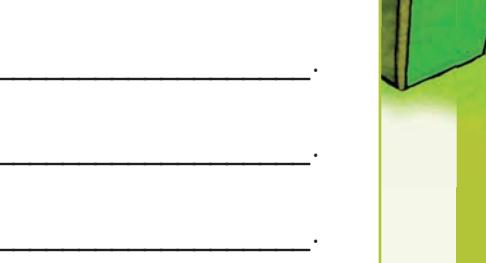
Hi ri i \_\_\_\_\_.

Rimhondzo ro koma ri hi kombba \_\_\_\_\_.

Rimhondzo ro leha ri hi kombba \_\_\_\_\_.

Hi ri i \_\_\_\_\_.

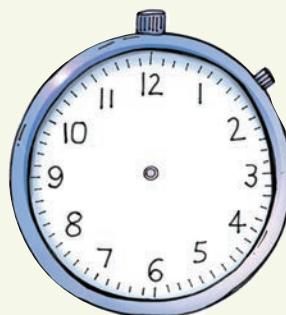


	Rimhondzo ro koma ri hi komba _____.
	Rimhondzo ro leha ri hi komba _____.
	Hiri i _____.

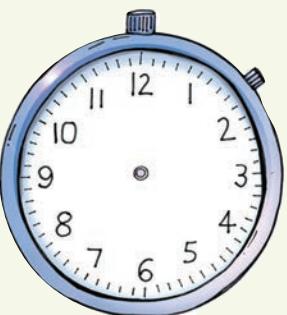


Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku bile awara ya mbirhi.

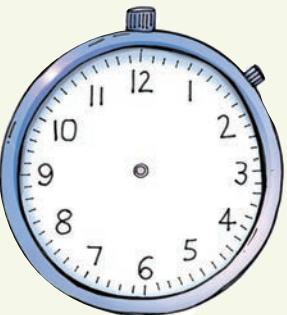
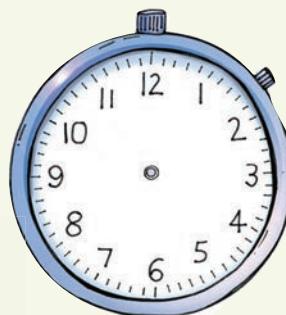


Hafu ku bile awara ya kaye.



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.

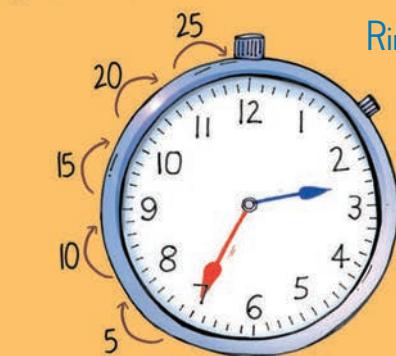


8lb



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.

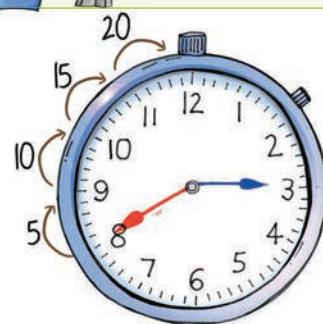
I 25 wa timinete rimhondzo lero leha ri nga si fika eka 12.

Hi ri i makumembirhi ntlanhanu 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 \_\_\_\_\_.

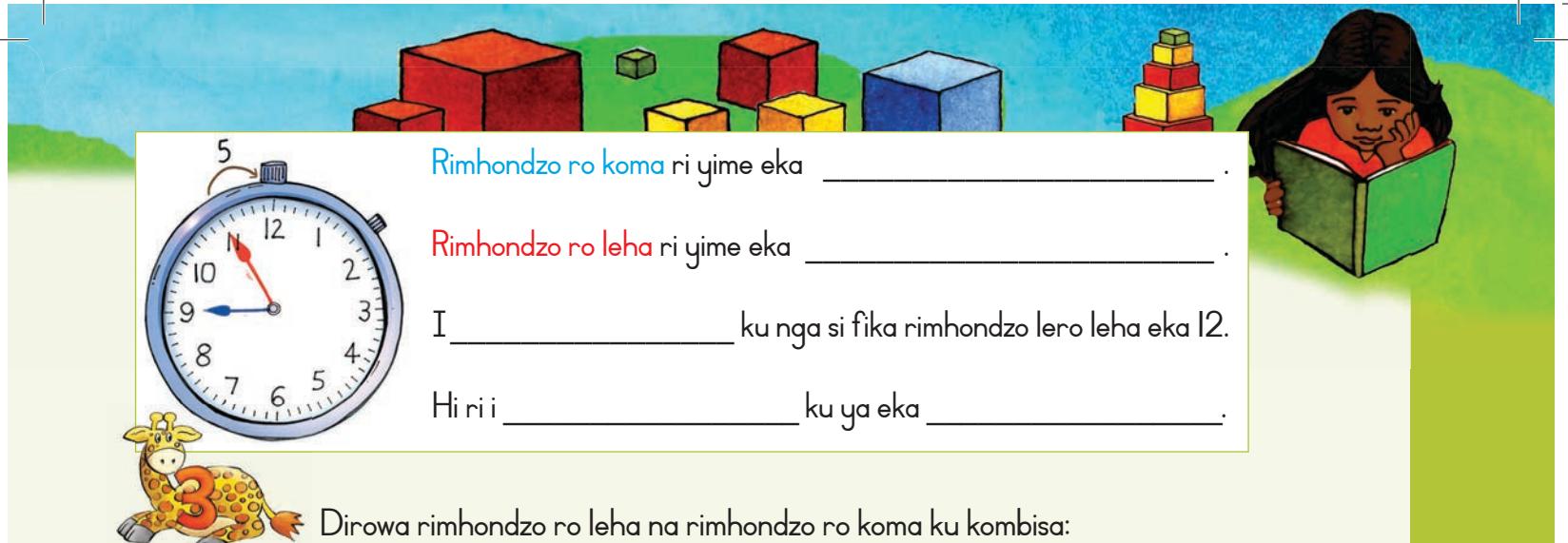


Rimhondzo ro koma ri yime eka \_\_\_\_\_.

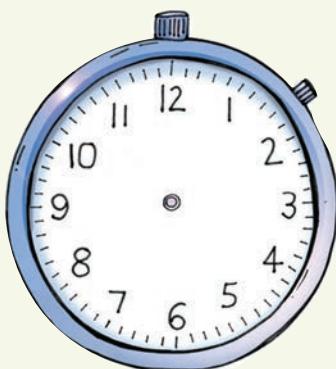
Rimhondzo ro leha ri yime eka \_\_\_\_\_.

I \_\_\_\_\_ ku nga si fika rimhondzo lero leha eka 12.

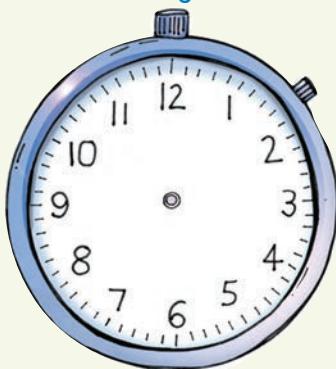
Hi ri i \_\_\_\_\_ ku ya eka \_\_\_\_\_.



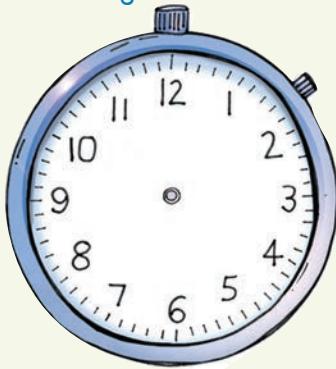
Ntlhanu wa timinete ku  
ya eka awara ya nhungu.



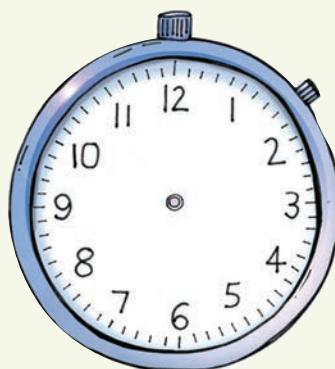
Ntlhanu wa timinete ku ya  
eka awara ya n'we.



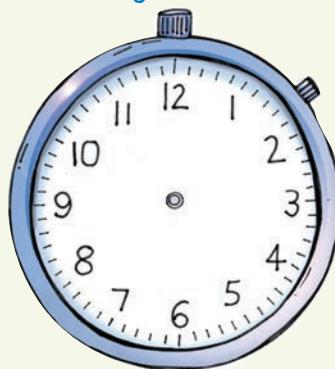
Khumenharhu ku ya eka  
awara ya nkombo.



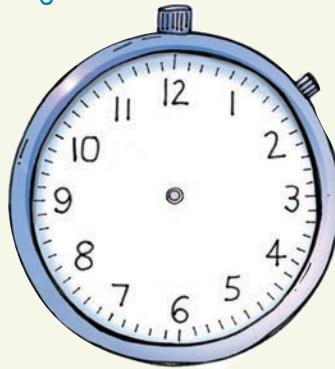
Makumembirhi wa timinete ku  
ya eka awara ya nharhu.



Khume ra timinete ku ya eka  
awara ya ntsevu.



Khumembirhi ku ya eka awara  
ya khumembirhi.



Teacher:  
Sign:  
Date:



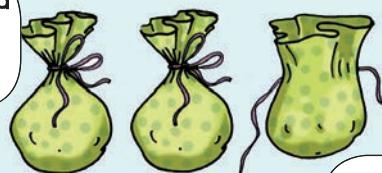
Siku:

## 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.

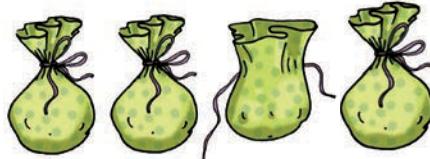
Ndzi nga tsala tanihi  
 $5 + 5 + 5 = 15$   
 kumbe  $3 \times 5 = 15$



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 2 wa swiwiitsi eka wona.

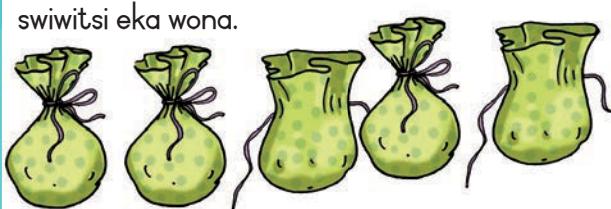


Xivulwa: \_\_\_\_\_

Nhlayo yo hlanganisa: \_\_\_\_\_

Nhlayo yo andzisa: \_\_\_\_\_

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

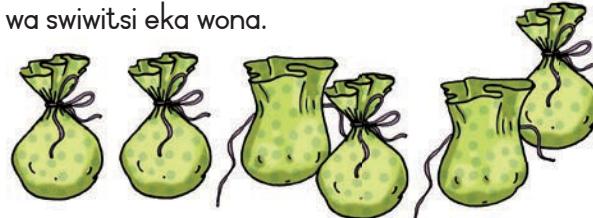


Xivulwa: \_\_\_\_\_

Nhlayo yo hlanganisa: \_\_\_\_\_

Nhlayo yo andzisa: \_\_\_\_\_

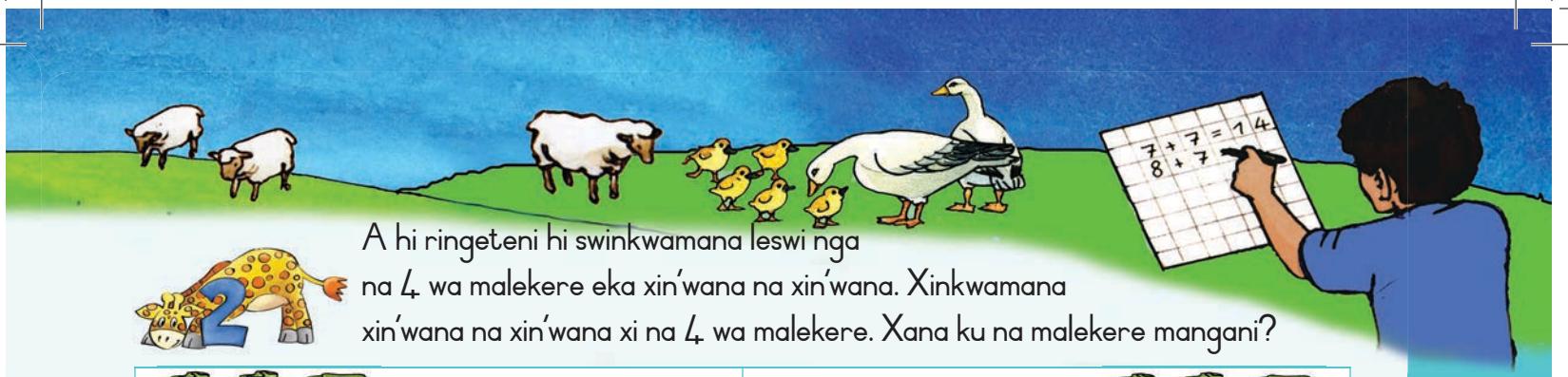
Nkwama wun'wana na wun'wana wu na 2 wa swiwiitsi eka wona.



Xivulwa: \_\_\_\_\_

Nhlayo yo hlanganisa: \_\_\_\_\_

Nhlayo yo andzisa: \_\_\_\_\_

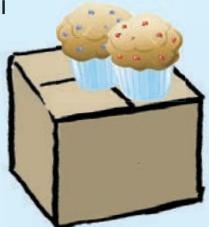


 <p>Xivulwa: 7 wa mintlawa ya 4 Nhlayo yo andzisa: <math>4 + 4 + 4 + 4 + 4 + 4 + 4 = 28</math> Nhlayo yo andzisa: <math>7 \times 4 = 28</math></p>	 <p>Xivulwa: _____ Nhlayo yo hlanganisa: _____ Nhlayo yo andzisa: _____</p>
 <p>Xivulwa: _____ Nhlayo yo hlanganisa: _____ Nhlayo yo andzisa: _____</p>	 <p>Xivulwa: _____ Nhlayo yo hlanganisa: _____ Nhlayo yo andzisa: _____</p>

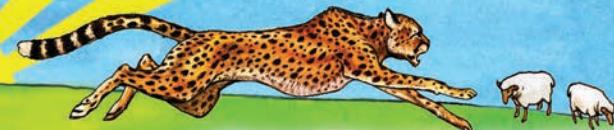


Hetisa tafula ra ku andzisa (menthele).

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

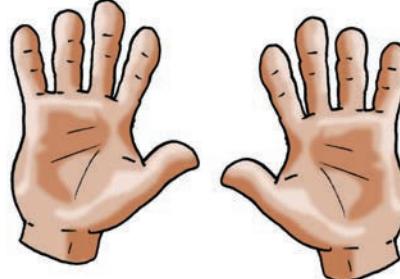
<p>Ndzi na mabokisi ya ntlhanu lama nga na timafini timbirhi eka bokisi rin'wana na rin'wana. Xana ku na timafini tingani hinkwato ka tona?</p> <p><input type="checkbox"/> </p>	<p>Ndzi na mabokisi ya mune lama nga na makhekhe ya swikhapanya ya ntlhanu eka bokisi rin'wana na rin'wana. Xana ku na makhekhe ya swikhapanya mangani hinkwawo ka wona?</p> <p><input type="checkbox"/> </p>	<p>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?</p> <p><input type="checkbox"/> </p>
---	---	--

Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



## Andzisa hi 5

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

Mikondzo

Mavoko



Swikunwana  
enkondzweni  
wun'we

×  =

Tintiho  
evokweni  
rin'we



Mikondzo

Mavoko



Swikunwana  
enkondzweni  
wun'we

×  =

Tintiho  
evokweni  
rin'we



Mikondzo

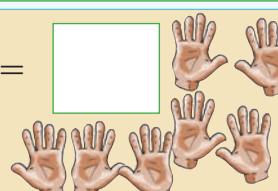
Mavoko



Swikunwana  
enkondzweni  
wun'we

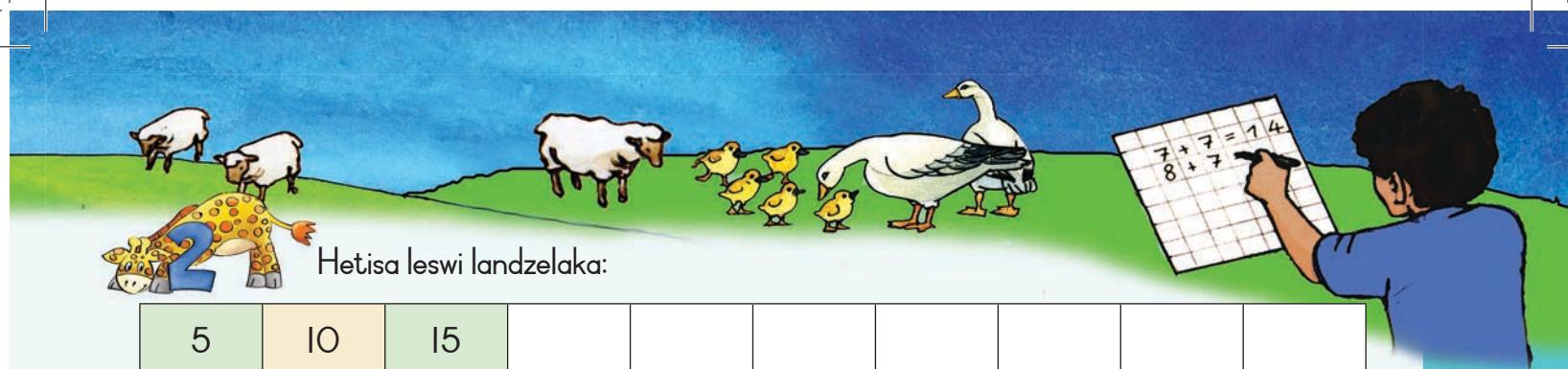
×  =

Tintiho  
evokweni  
rin'we



Mikondzo

Mavoko



$$5 \times \begin{array}{c} \text{apple} \\ \text{apple} \\ \text{apple} \\ \text{apple} \\ \text{apple} \end{array} = \boxed{\quad} \text{ wa maapula}$$

$$4 \times \begin{array}{c} \text{banana} \\ \text{banana} \\ \text{banana} \\ \text{banana} \end{array} = \boxed{\quad} \text{ wa mabanana}$$

$$6 \times \begin{array}{c} \text{banana} \\ \text{banana} \\ \text{banana} \\ \text{banana} \\ \text{banana} \\ \text{banana} \end{array} = \boxed{\quad} \text{ wa mabanana}$$

$$7 \times \begin{array}{c} \text{apple} \\ \text{apple} \\ \text{apple} \\ \text{apple} \\ \text{apple} \\ \text{apple} \\ \text{apple} \end{array} = \boxed{\quad} \text{ wa maapula}$$



$$15 \times 5 = \boxed{\quad}$$

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

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

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

$$= 50 + 25$$

$$= 75$$



$$12 \times 5 = \boxed{\quad}$$

$$\begin{array}{r} 1 \ 0 \\ + 2 \\ \hline \end{array} \times 5$$

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

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

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

$$= \boxed{\quad}$$

$$14 \times 5 = \boxed{\quad}$$

$$\begin{array}{r} 1 \ 0 \\ + 4 \\ \hline \end{array} \times 5$$

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

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

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

$$= \boxed{\quad}$$

$$13 \times 5 = \boxed{\quad}$$

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

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

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

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

$$= \boxed{\quad}$$



Teacher:  
Sign:  
Date:

11

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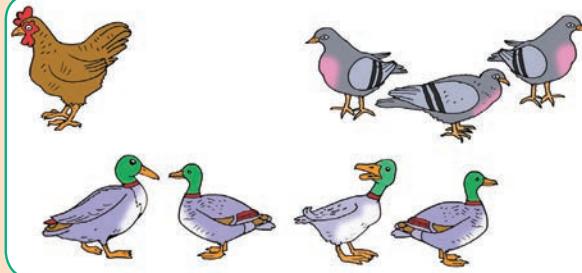
20



Siku:

## Andzisa hi 2

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



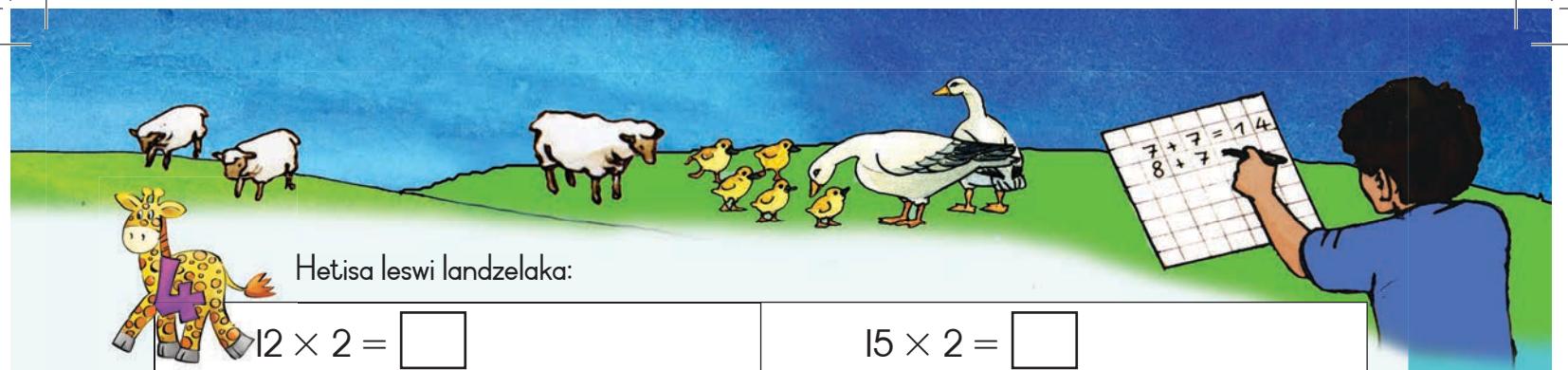
Hetisa leswi landzelaka:

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



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:

$$12 \times 2 = \boxed{\phantom{00}}$$

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

$$= \begin{array}{r} 1 \\ \times 2 \\ \hline 2 \end{array} + \begin{array}{r} 0 \\ \times 2 \\ \hline 0 \end{array}$$

$$= \begin{array}{r} 1 \\ \times 2 \\ \hline 2 \end{array} + \begin{array}{r} 2 \\ \times 2 \\ \hline 4 \end{array}$$

$$= 20 + 4$$

$$= 24$$



$$15 \times 2 = \boxed{\phantom{00}}$$

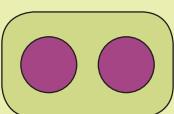
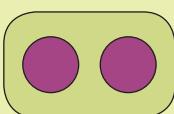
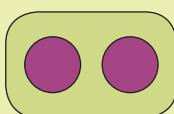
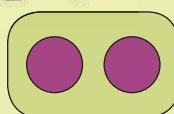
$$\begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array} \quad \begin{array}{r} 0 \\ \times 2 \\ \hline 0 \end{array}$$

$$= \begin{array}{r} \boxed{1} \\ \times \boxed{2} \\ \hline \end{array} + \begin{array}{r} \boxed{0} \\ \times \boxed{2} \\ \hline \end{array}$$

$$= \begin{array}{r} \boxed{1} \\ \times \boxed{2} \\ \hline \end{array} + \begin{array}{r} \boxed{0} \\ \times \boxed{2} \\ \hline \end{array}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}}$$



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

kumbe

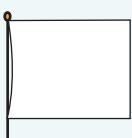
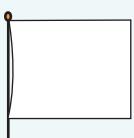
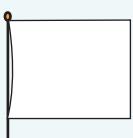
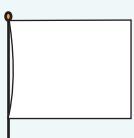
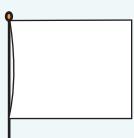
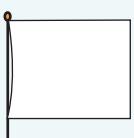
$$4 \times 2 = 8$$

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?

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

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



Teacher:

Sign:

Date:

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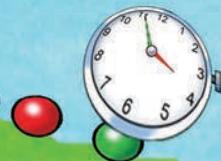
19

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85a

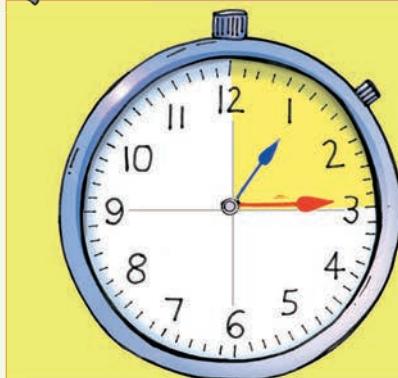


Bula hi wachi.



## 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.

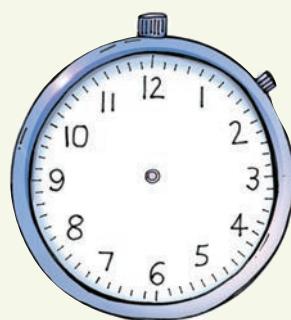
Hi ri i \_\_\_\_\_ ku bile \_\_\_\_\_.



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 \_\_\_\_\_.

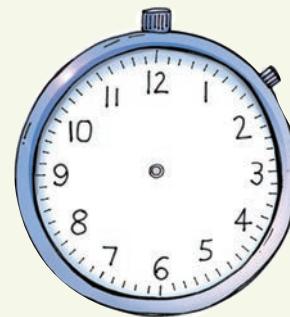


Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku ya  
eka 4



Kotara ku ya  
eka 8.



Teacher:
Sign:
Date:

85b



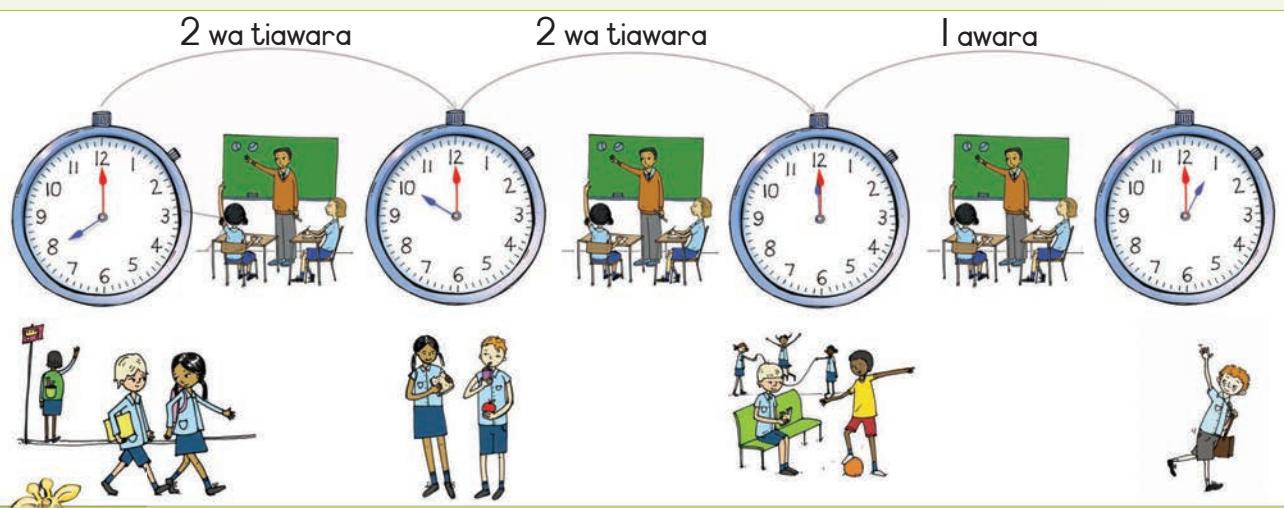
Kotara 3

## Nkarhi wa hundza

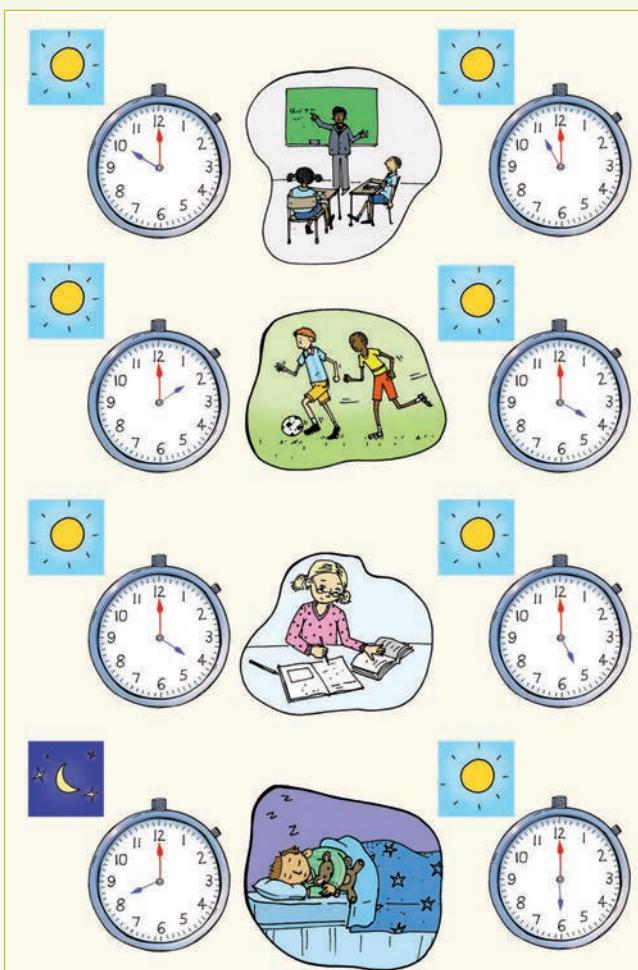
2 wa tiawara

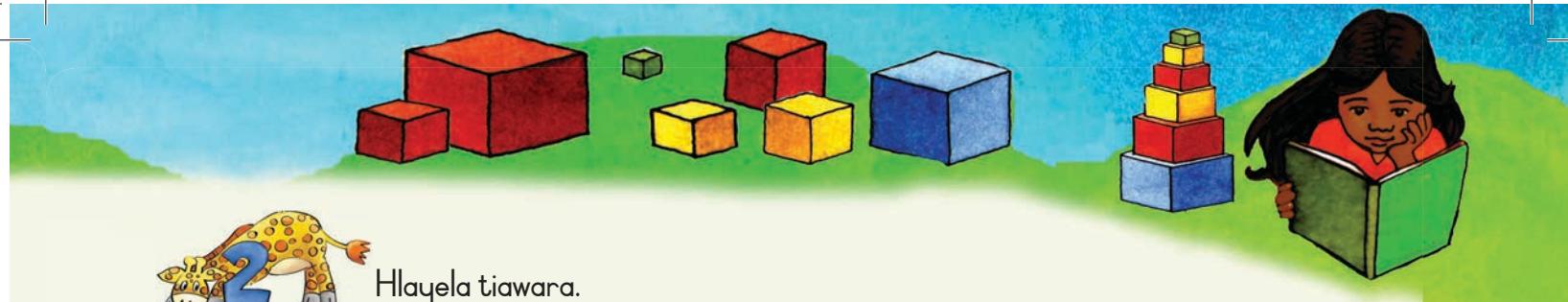
2 wa tiawara

1 awara



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?



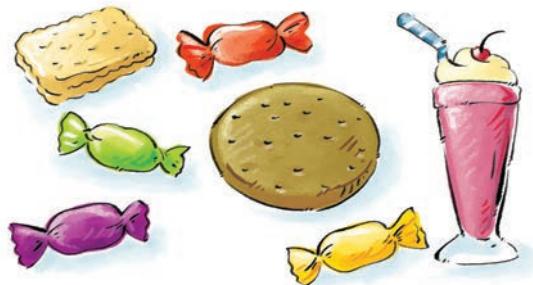


## Mbirihata

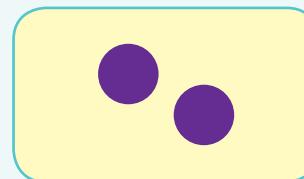
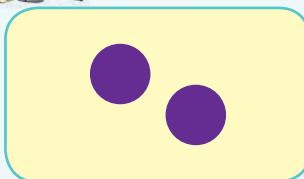
Kotara 3



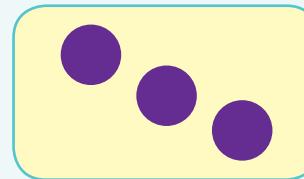
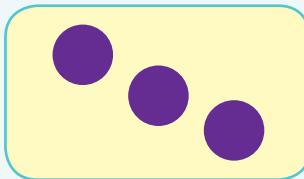
Languta xifaniso xo sungula na xifaniso xa vumbirhi. Ku humelele yini?



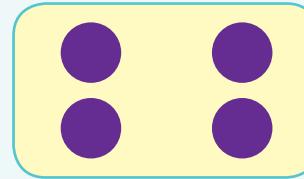
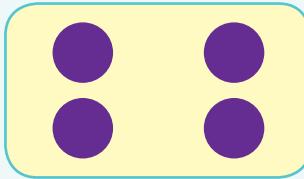
Hlanganisa mathonsi kutani u tsala ntsengo eka man'wana na man'wana.



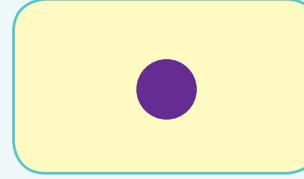
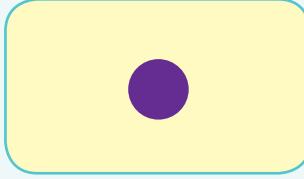
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



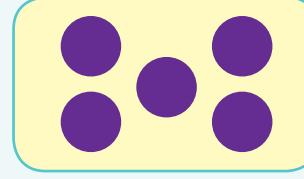
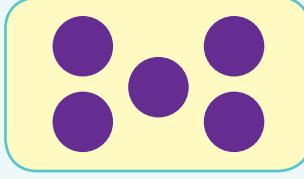
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



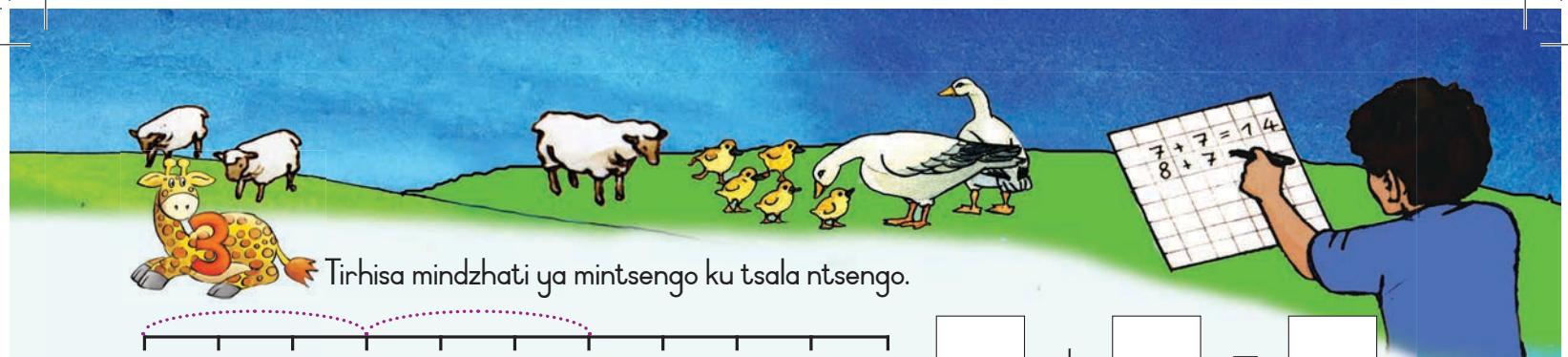
$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$



$$\boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

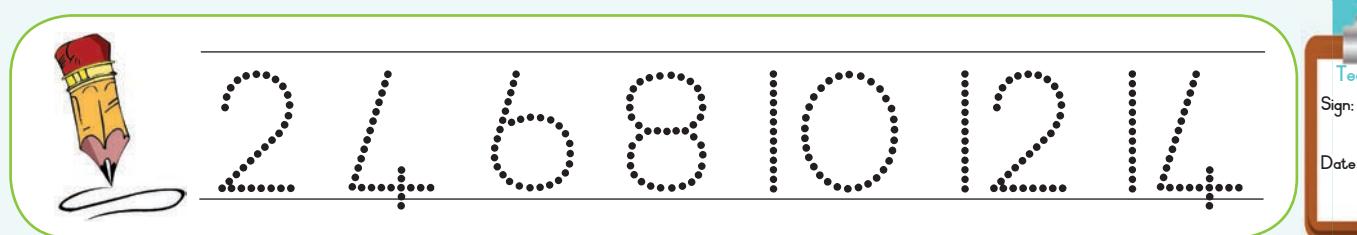


	<input type="text"/> + <input type="text"/> = <input type="text"/>
	<input type="text"/> + <input type="text"/> = <input type="text"/>
	<input type="text"/> + <input type="text"/> = <input type="text"/>
	<input type="text"/> + <input type="text"/> = <input type="text"/>
	<input type="text"/> + <input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



Vuyelela kambirhi leswi landzelaka:

I kambirhi	<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> × <input type="text"/> = <input type="text"/>
2 kambirhi	<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> × <input type="text"/> = <input type="text"/>
3 kambirhi	<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> × <input type="text"/> = <input type="text"/>
4 kambirhi	<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> × <input type="text"/> = <input type="text"/>
5 kambirhi	<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> × <input type="text"/> = <input type="text"/>



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

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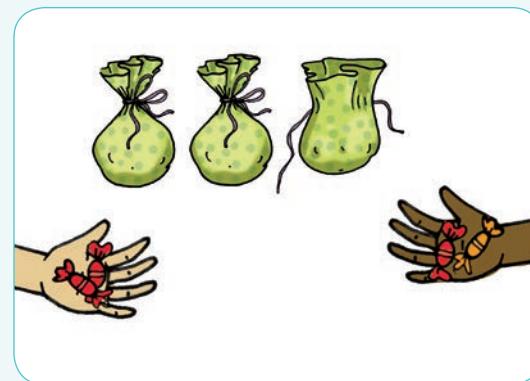


Kotara 3

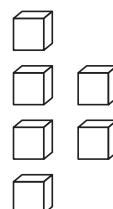


## Ku andzisa kambirhi ni ku hafula

Languta swifaniso swimbirhi kutani u endla xitori hi swifaniso leswi.

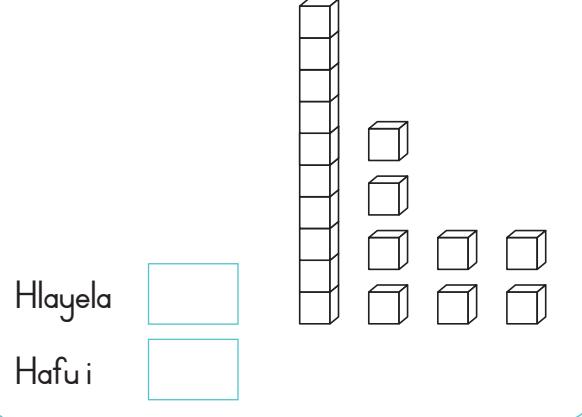


Hlayela swilo leswi kutani u khalara hafu ya swona.



Hlayela

Hafu i



Hlayela

Hafu i



Hetisa leswi landzelaka kutani u dirowa xifaniso.

12 yi andzisiwa  
kambirhi i

 + 


Hetisa.

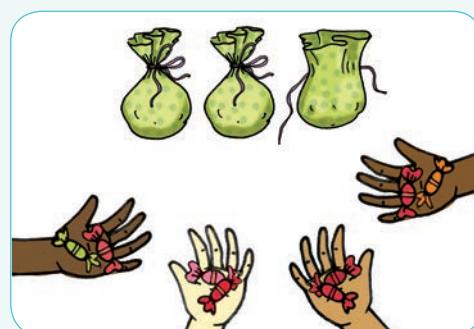
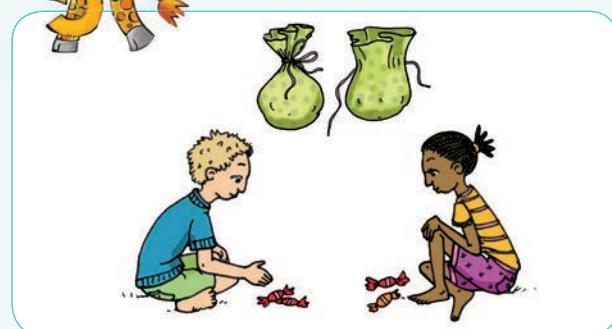
<b>14</b>	<b>8</b>		<b>16</b>	
<input type="text"/>				

2

9



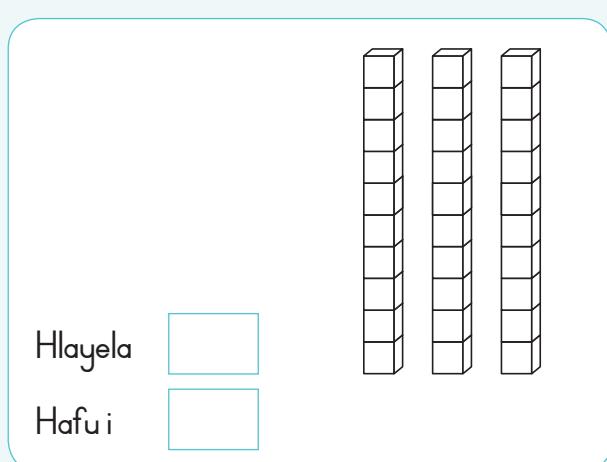
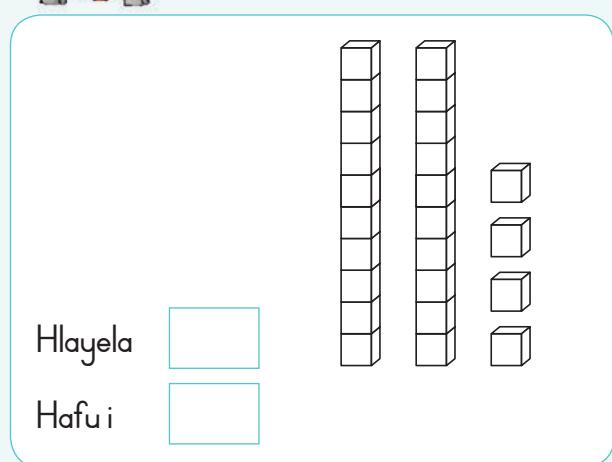
Languta swifaniso swimbirhi kutani u endla xitori.



Ku na 10 wa malekere ebegeni.



Hlayela swilo kutani u khalara hafu ya swona.



Hetisa leswi landzelaka kutani u dirowa xifaniso.

$$16 \text{ yi andzisiwa} \\ \text{kambirhi i} \quad \boxed{\phantom{0}} \\ \boxed{\phantom{0}} + \boxed{\phantom{0}}$$



34	<input type="text"/>	<input type="text"/>	36	40
<input type="text"/>	<input type="text"/>	22	<input type="text"/>	<input type="text"/>

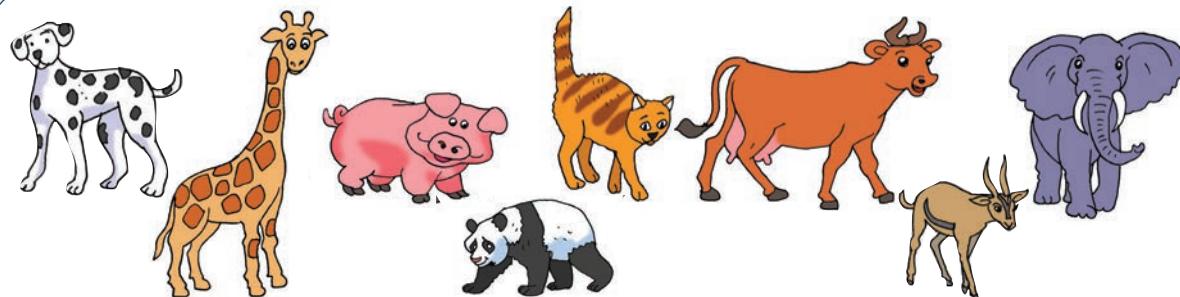
Teacher: _____
Sign: _____
Date: _____



## 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

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Nhlayo ya timbyana      Milenge ya xiharhi xin'we

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Nhlayo ya timbyana      Matihlo ya xiharhi xin'we

Swiharhi swa nhova

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Nhlayo ya swiharhi      Milenge ya xiharhi xin'we

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Nhlayo ya swiharhi      Tindleve ta xiharhi xin'we



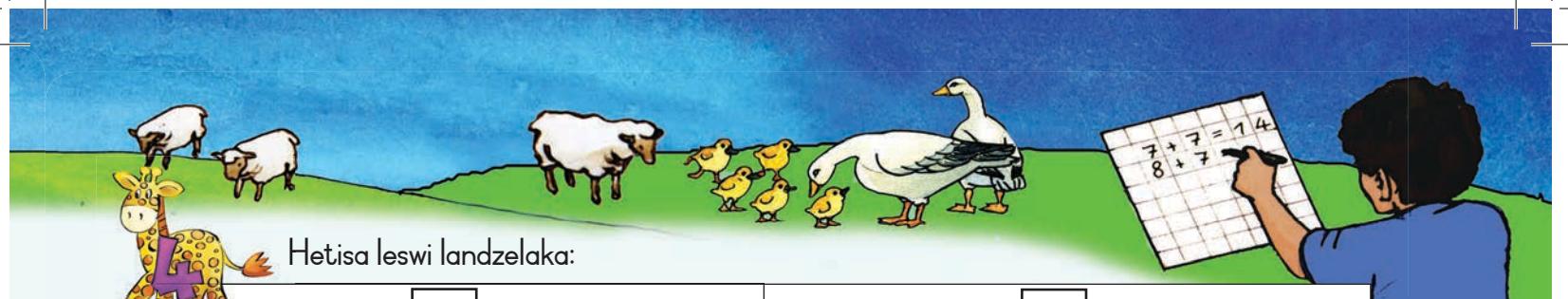
Hetisa leswi landzelaka:

4	8	12							
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Hetisa leswi landzelaka:

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



Hetisa leswi landzelaka:



$$14 \times 4 = \boxed{\phantom{00}}$$

$$\begin{array}{r} 1 \ 0 \\ \times 4 \\ \hline \end{array}$$

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

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

$$= 40 + 16$$

$$= 56$$



$$15 \times 4 = \boxed{\phantom{00}}$$

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

$$= \begin{array}{r} \boxed{\phantom{00}} \\ + \boxed{\phantom{00}} \\ \times \boxed{\phantom{00}} \end{array}$$

$$= \begin{array}{r} \boxed{\phantom{00}} \\ \times \boxed{\phantom{00}} \\ + \boxed{\phantom{00}} \times \boxed{\phantom{00}} \end{array}$$

$$= \begin{array}{r} \boxed{\phantom{00}} \\ + \boxed{\phantom{00}} \end{array}$$

$$= \boxed{\phantom{00}}$$



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.

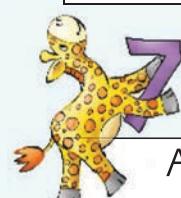
Avela 4 wa vana 22 wa tipenisele hi ku ringana.

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?



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## Tipatironi ta tinomboro

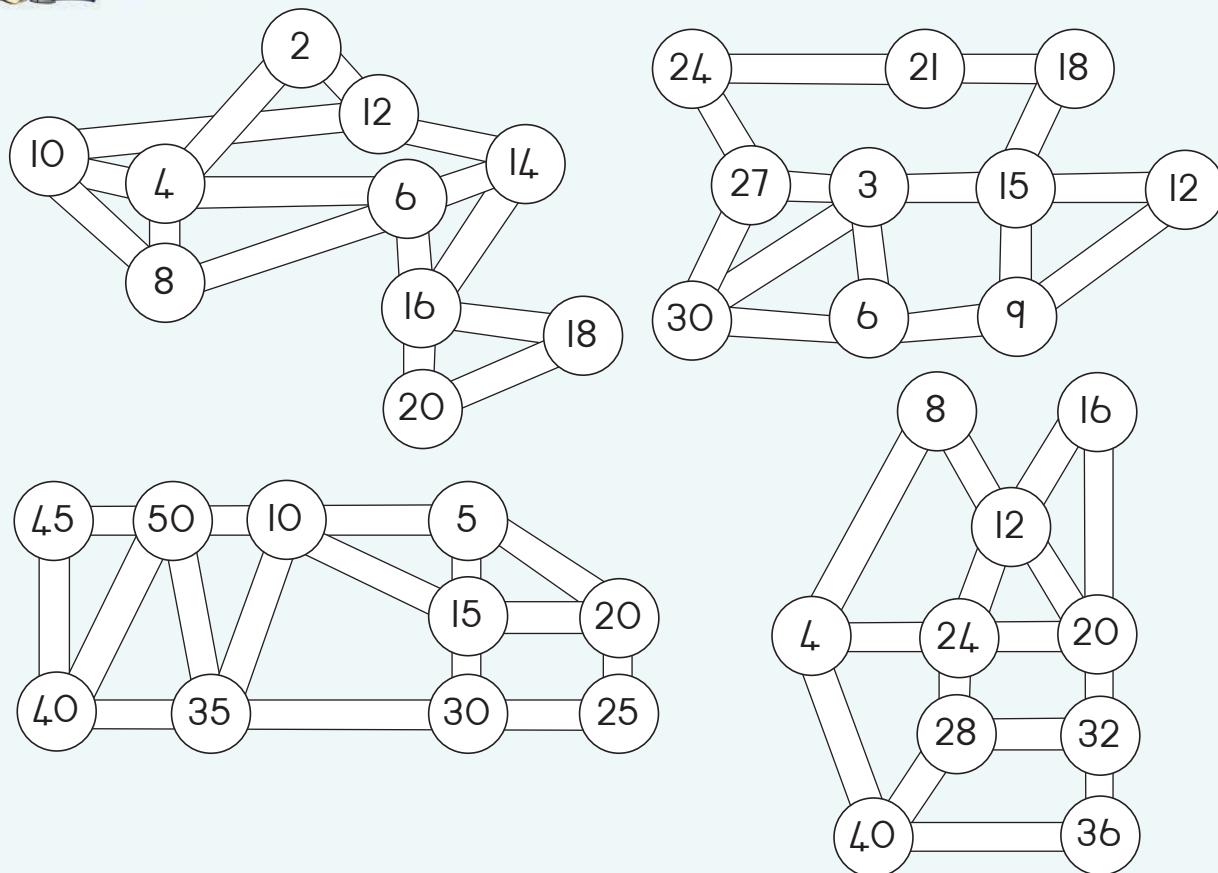
Kotara 3



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: \_\_\_\_\_

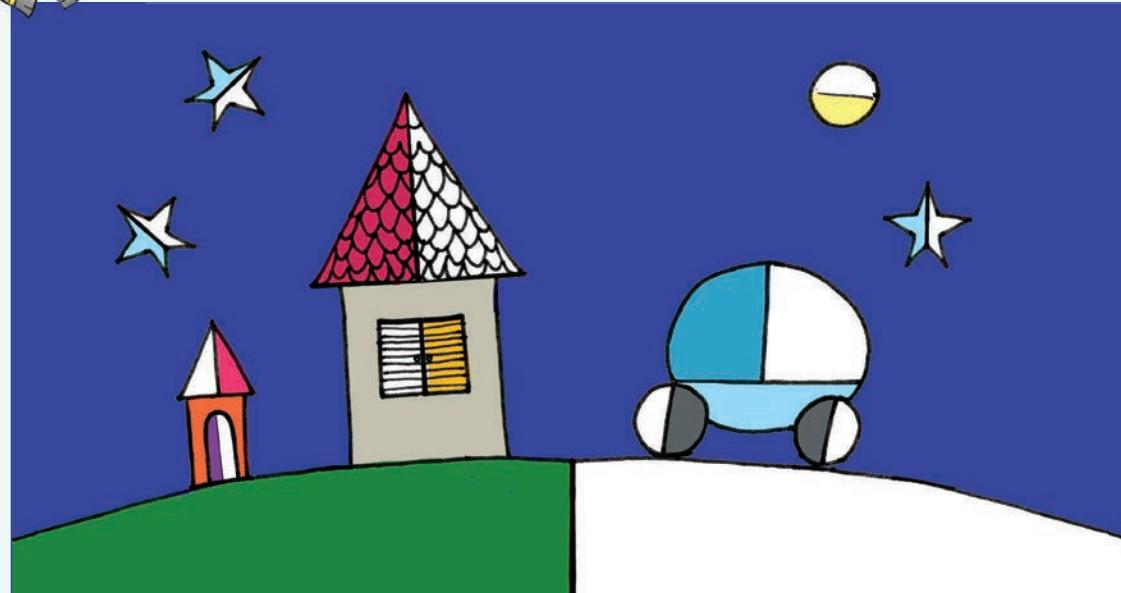
90



## Swiphemu – tihafu

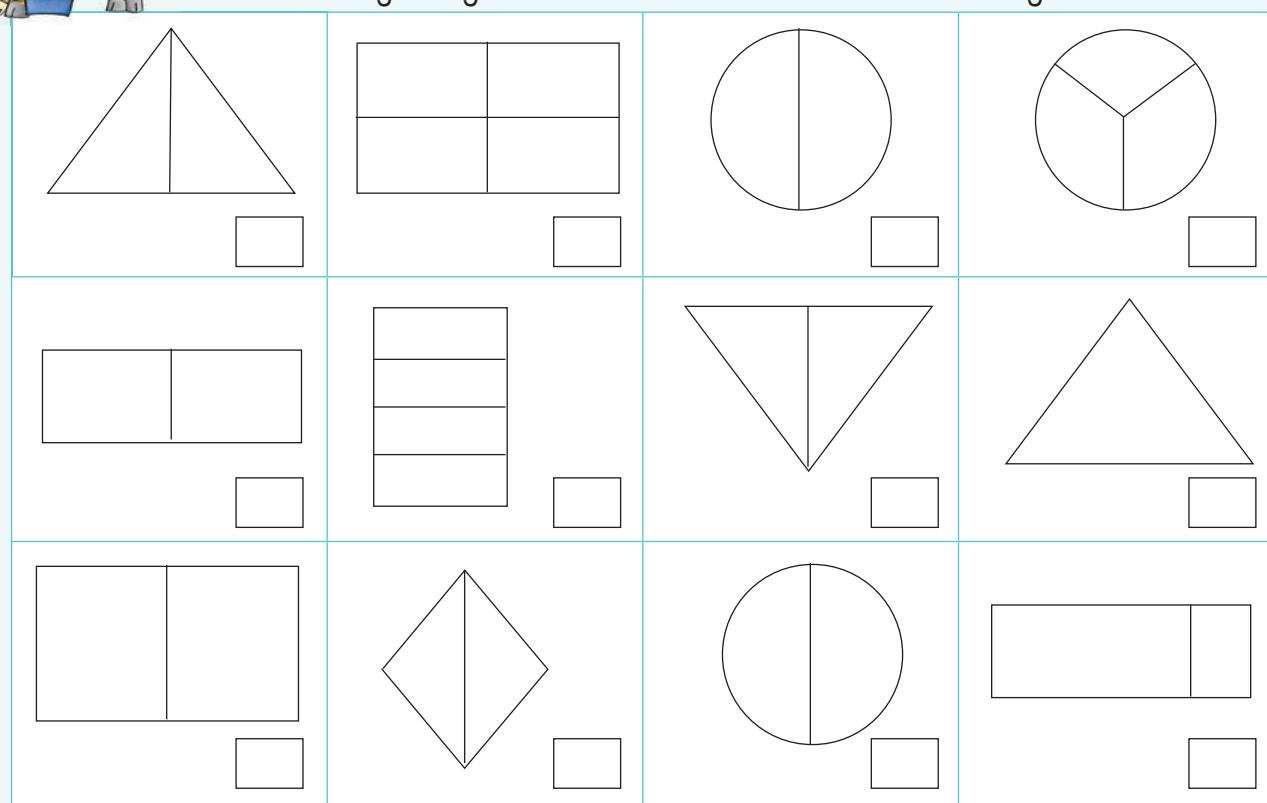
Languta xifaniso. Khalara hafu leyin'wana hi muhlovo lowu fanaka.

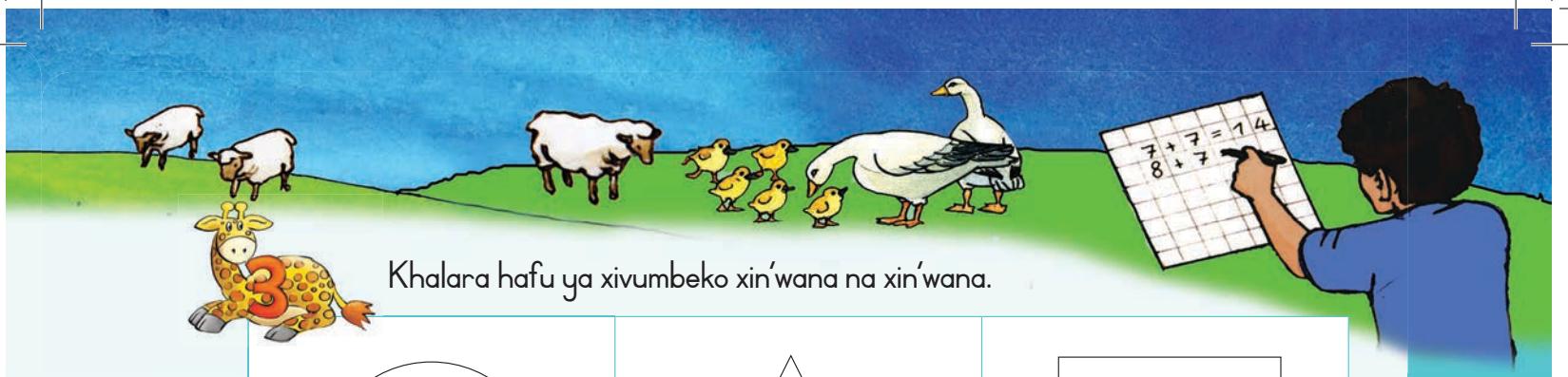
Kotara 3



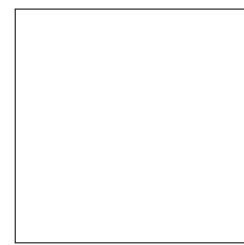
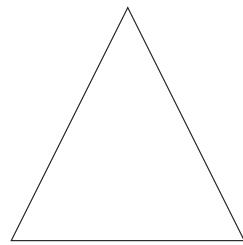
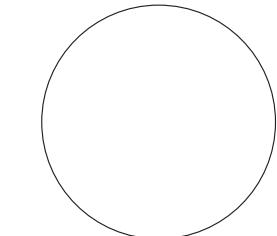
Languta xifaniso. Gwajula swivumbeko leswi kombisaka tihafu.

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

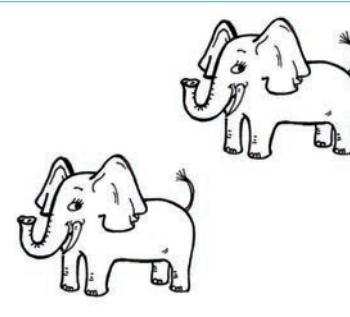
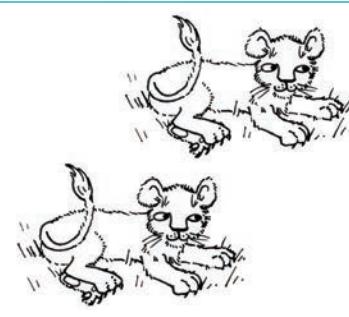
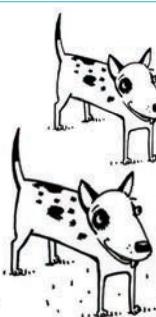
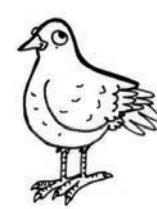
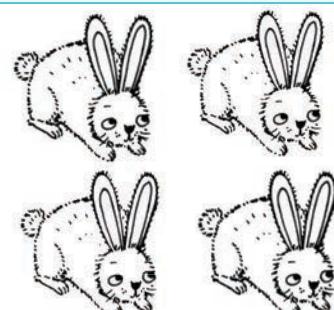




Khalara hafu ya xivumbeko xin'wana na xin'wana.



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



hafu hafu hafu



Teacher:
Sign:
Date:

q|



## Swiphemu – tihafu tin'wana

Kotara 3



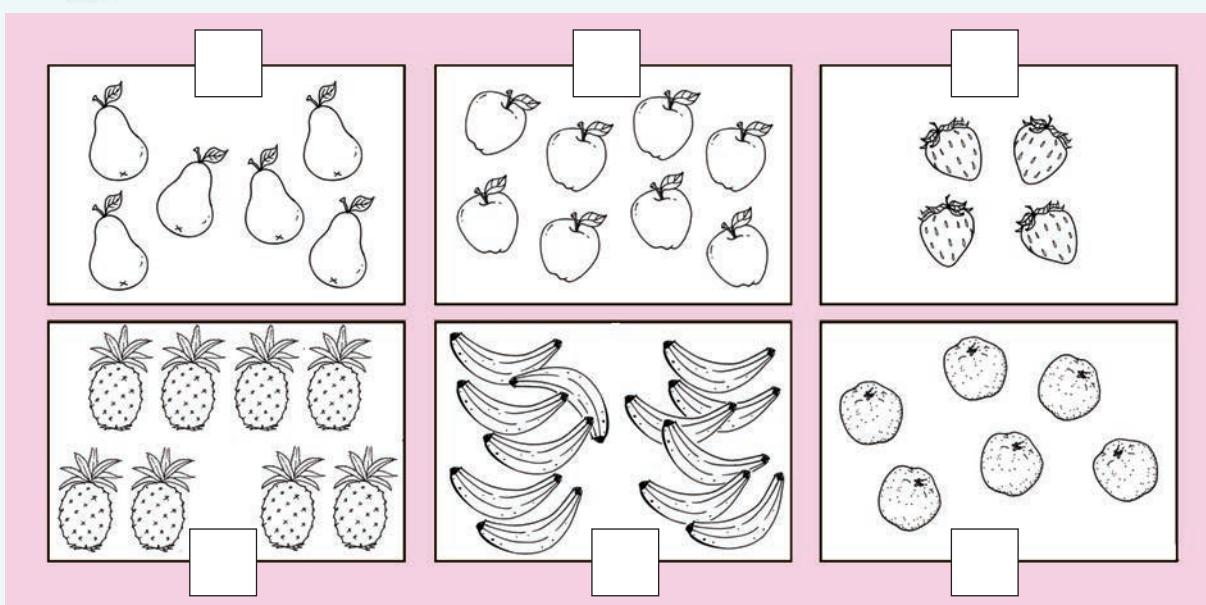
Languta xifaniso. Xana hafu yin'we swi vula yini?

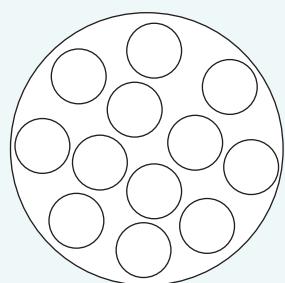
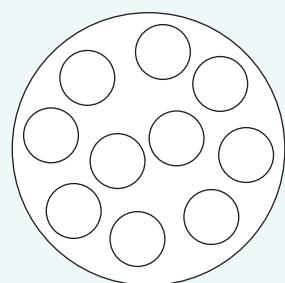
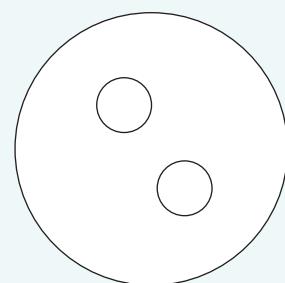
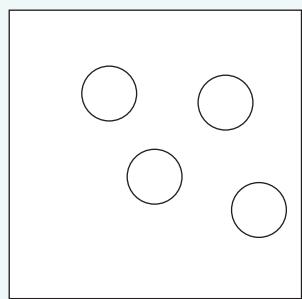
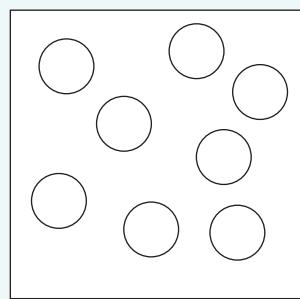
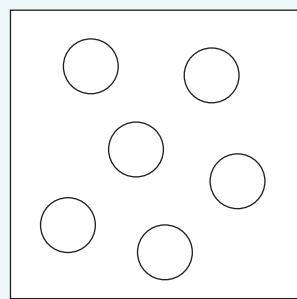
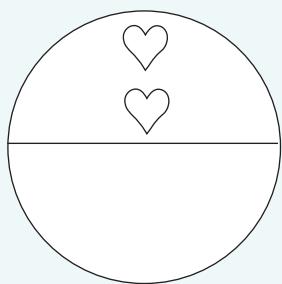
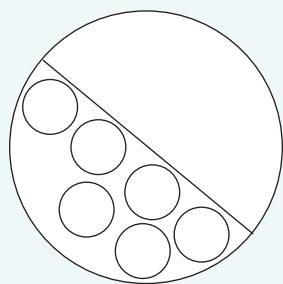
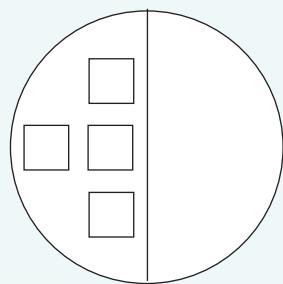
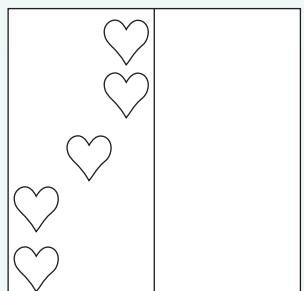
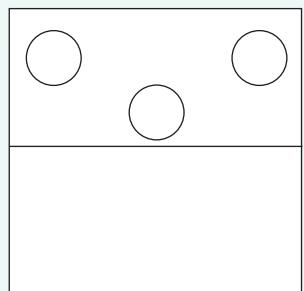
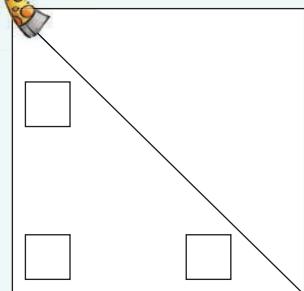


Hafu ya maqpula emurhini i  .



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





hafu hafu hafu



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## Ndhawu na matlhelo

Siku:

Kotara 3

Xinyenyana xi yime kwihi? Marito ya ta ku pfuna.



Xiyenge xa muako xa  
le mahlweni.



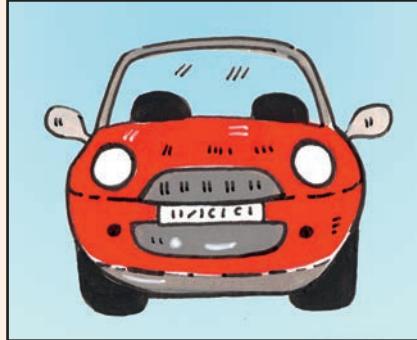
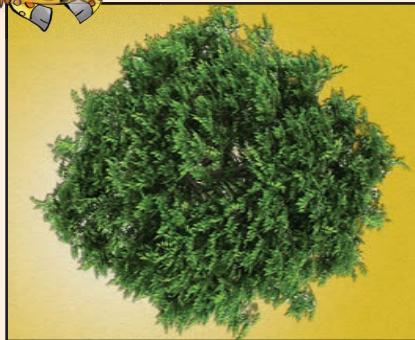
Xiyenge xa muako xa  
le tlhelo.



Xiyenge xa muako xa  
le henhla.

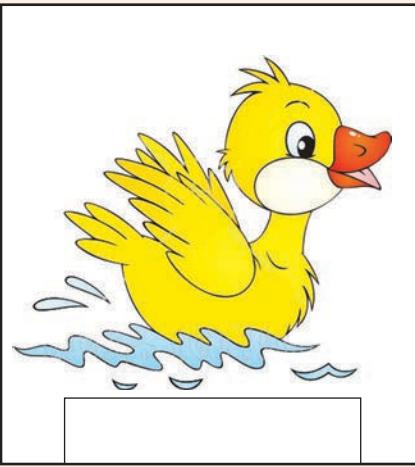


Xana munhu loyi a yimile kwihi loko a vona leswi?

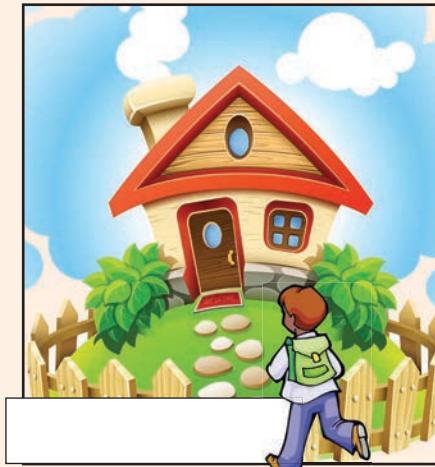


Tsala marito lama eka xifaniso. Xana munhu u vona yini?

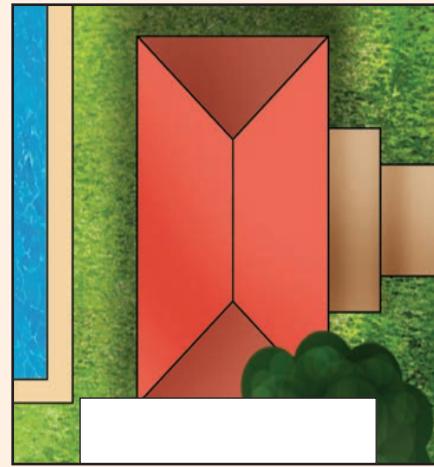
xiyenge xa le mahlweni



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

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14

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16

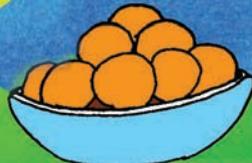
17

18

19

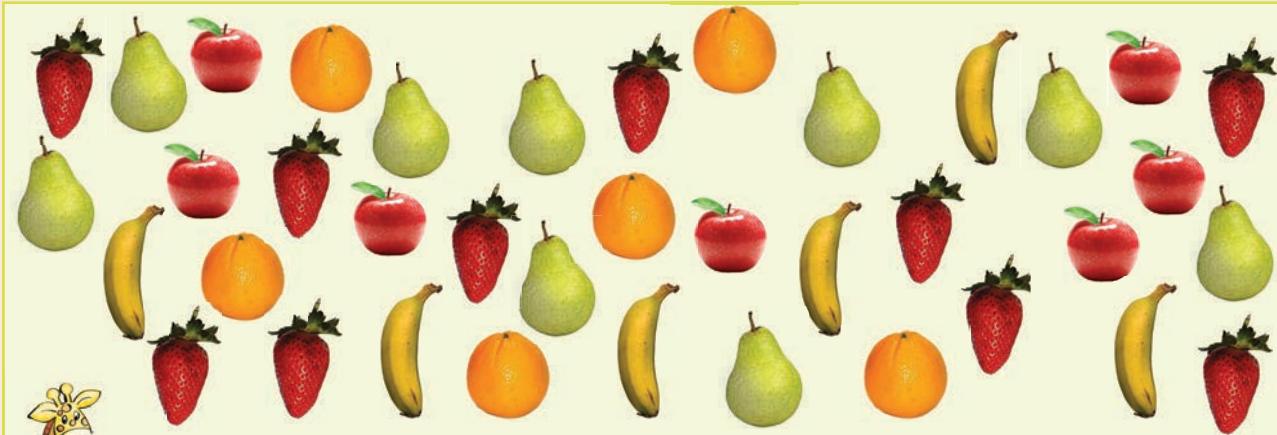
20

q3

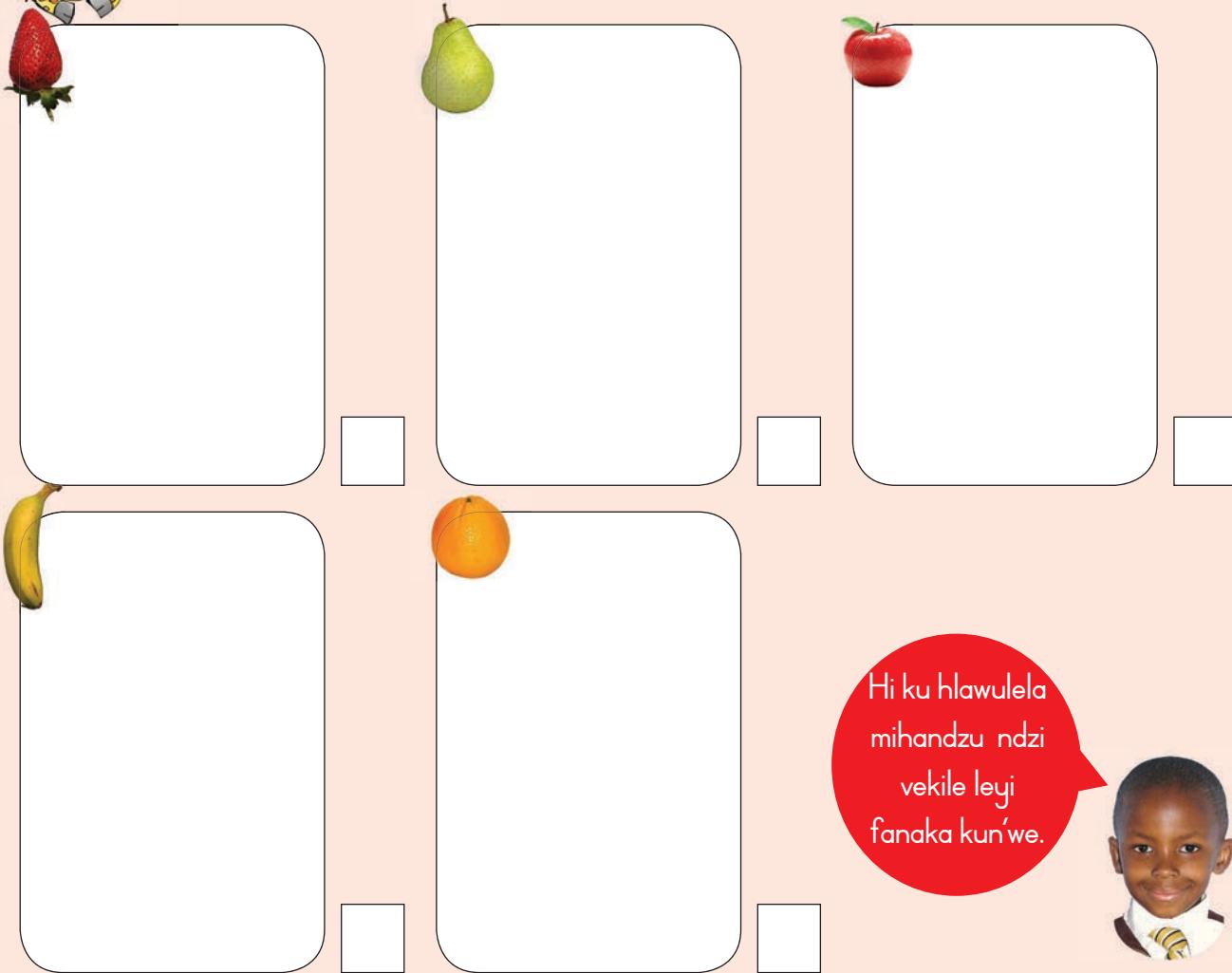


## Switiviwa swin'wana swo tala

Kotara 3

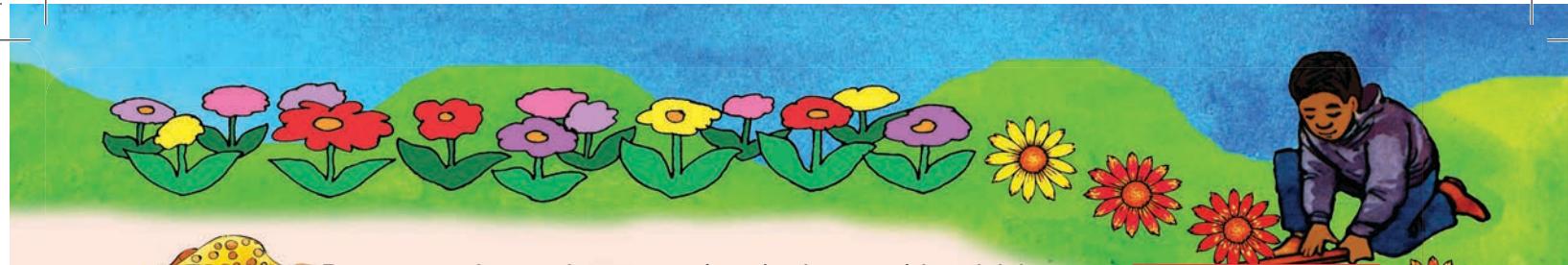


Hlawulela mihandzu. Dirowa swifaniso swa wena ku yi kombisa. Tsala ntsengo ebokisini.



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





A cartoon illustration of a giraffe's head and neck, facing left, with a large blue number 2 superimposed on its body.

Dirowa girafu ya xifaniso xa mihandzu leyi u yi hlawuleleke.

VUTHALA: 



Languta mihandzu kutani u hlamula swivutiso.

A large 6x5 grid of empty boxes for drawing. The bottom row contains five fruit images: a strawberry, a pear, an apple, a banana, and an orange.

## Hlamula swivutiso:

Xana hi wihi muhandzu lowu  
nga tala?

ANSWER

Xana hi wihi muhandzu lowu  
nga talangiki?

[View Details](#)



94a



## Swiphemu – tikotara

Kotara 3

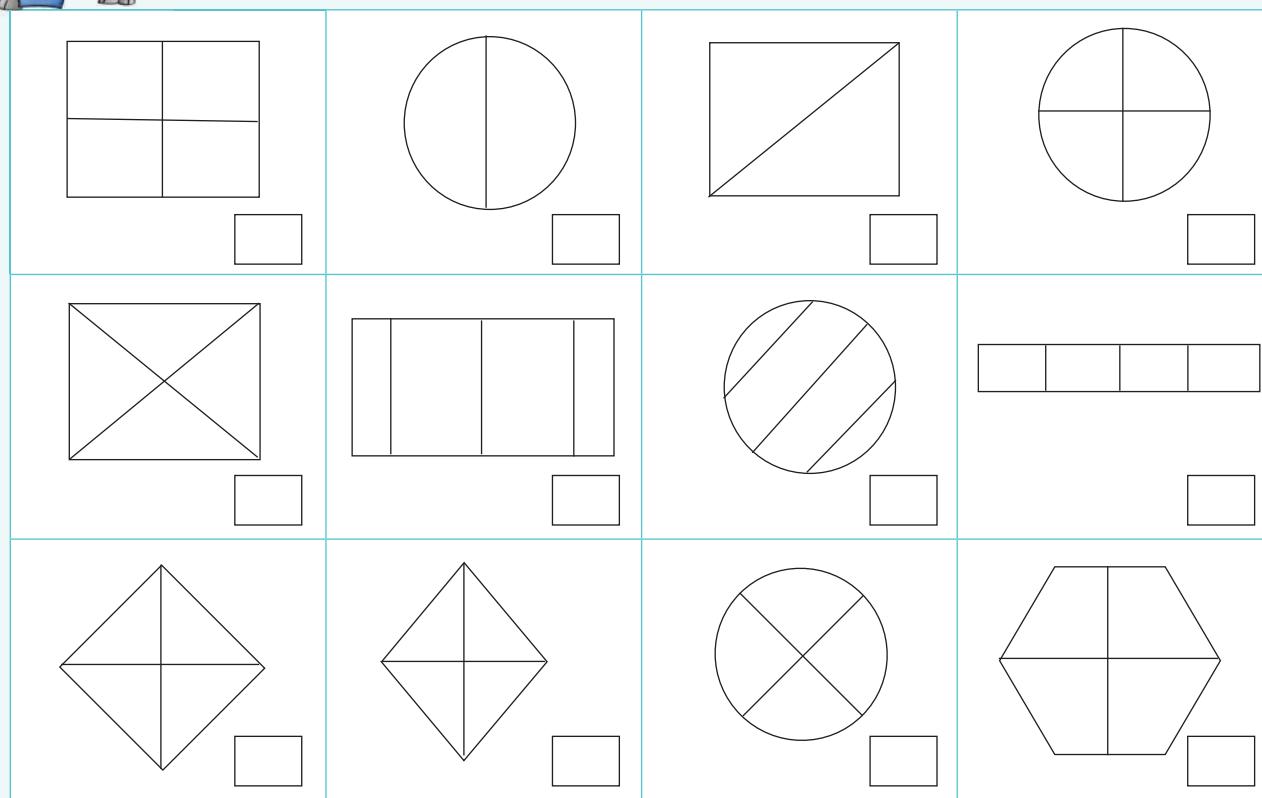


Khalara kotara yo hetelela hi muhlovo lowu fanaka.



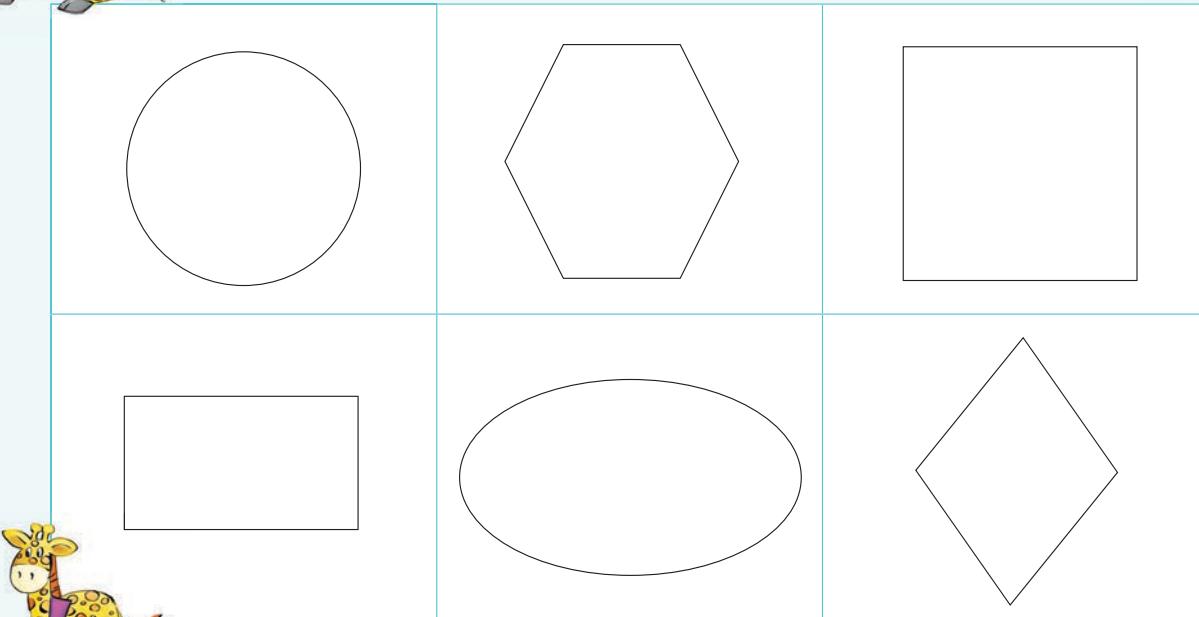
Gwajula swivumbeko leswi kombisaka kotara.

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

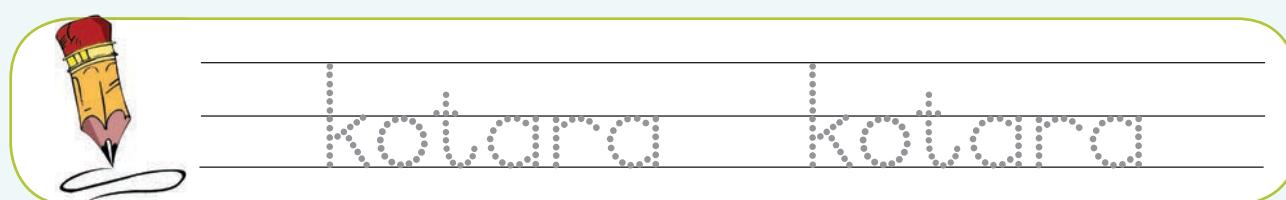
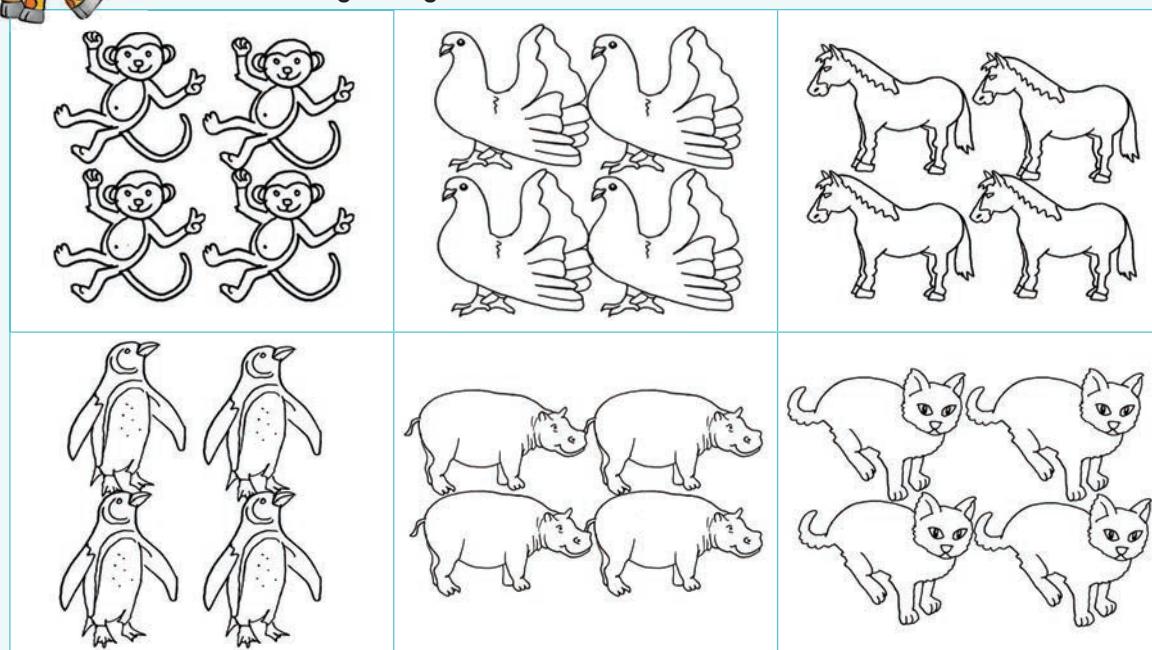




Khalara kotara yin'we ya xivumbeko xin'wana na xin'wana.



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



94b



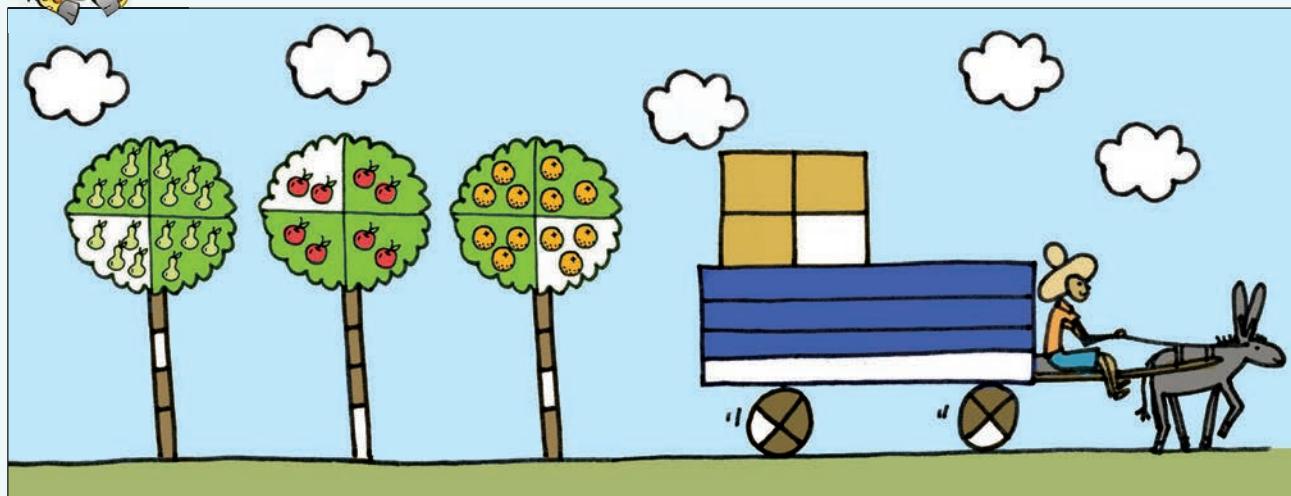
Siku:

## Swiphemu – tikotara tin'wana

Kotara 3



Khalara kotara yo hetelela hi muhlovo lowu fanaka.



Hlamula leswi landzelaka:

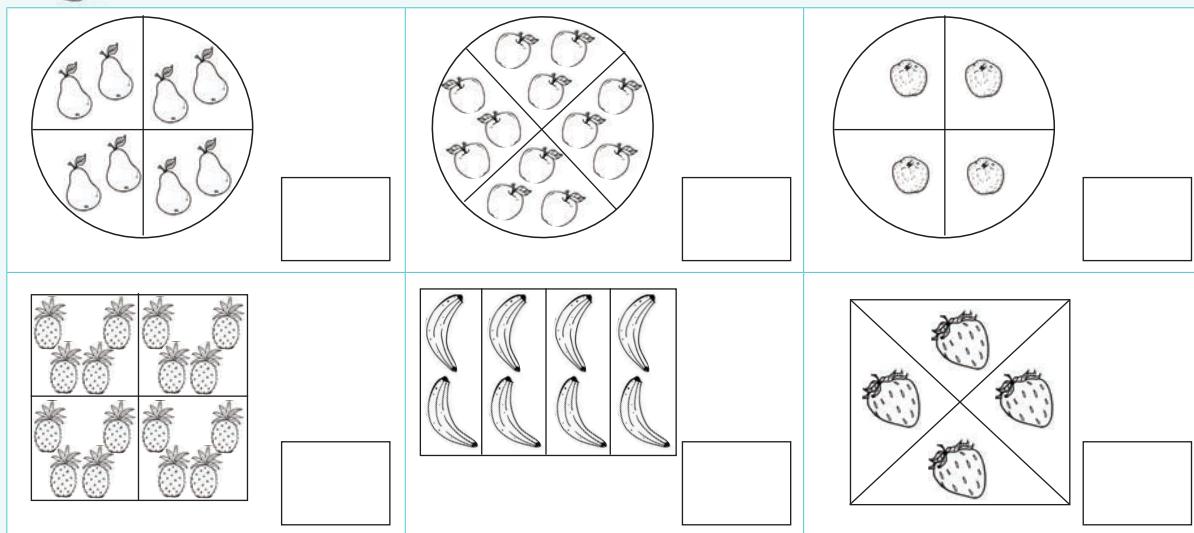
kotara yin'we ya tipyere emurhini i \_\_\_\_\_.

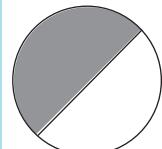
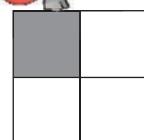
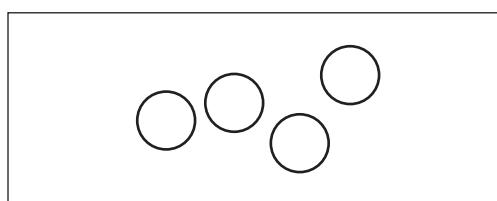
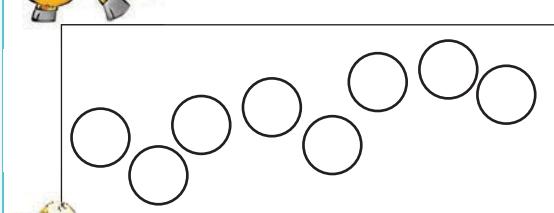
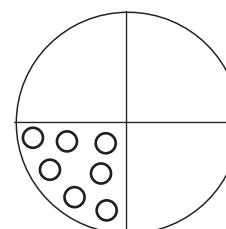
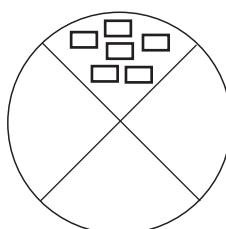
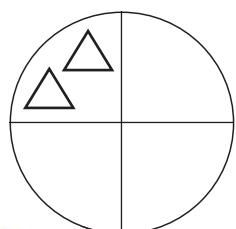
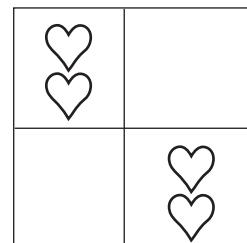
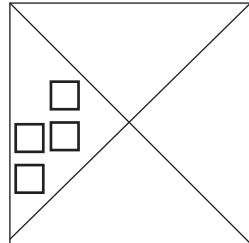
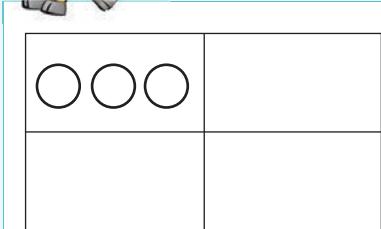
kotara yin'we ya maapula emurhini i \_\_\_\_\_.

kotara yin'we ya malamula emurhini i \_\_\_\_\_.

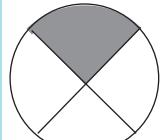


Khalara kotara ya mihandzu eka ntlawa wun'wana na wun'wana. Xana kotara ya nhlayo ya mihandzu eka ntlawa wun'wana na wun'wana i yini.





hafu yin'we



kotara yin'we



Kolara tikotara



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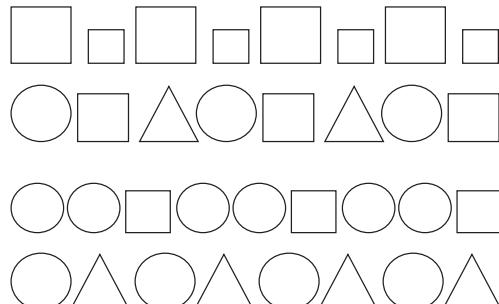
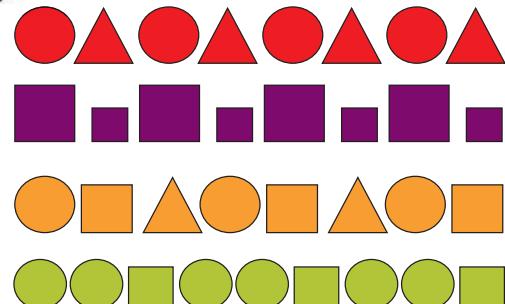
95

## Tipatironi ta tinomboro ta swivumbeko

Kotara 3



Yelanisa tipatironi.



Kopunula tipatironi leti landzelaka.



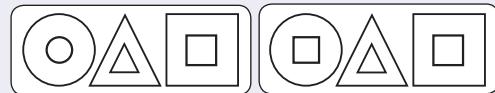


3

Khalara patironi leyi landzelaka.

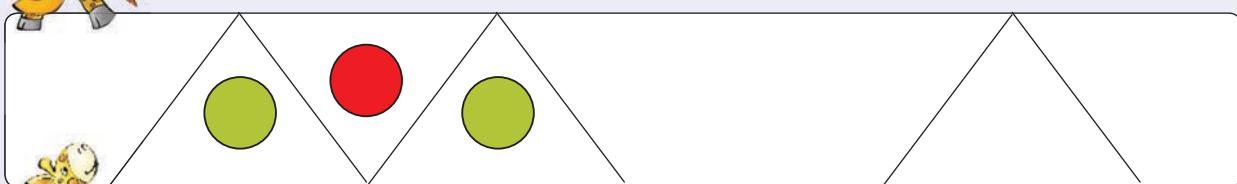


Dirowa patironi leyi landzelaka.



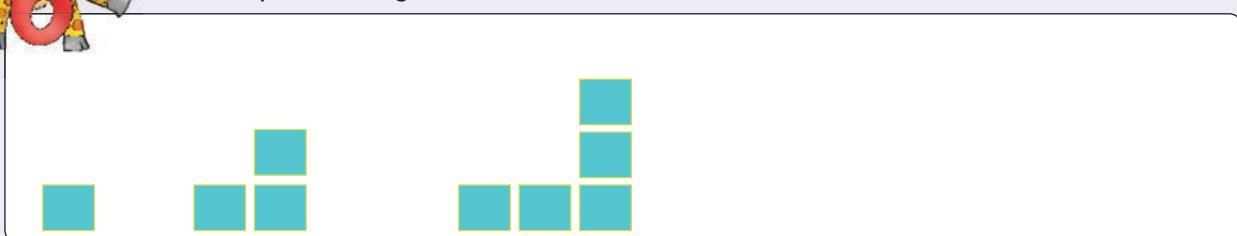
5

Engetela patironi ya wena.



6

Dirowa patironi leyi landzelaka.



Dirowa patironi ya wena.



Teacher:
Sign:
Date:

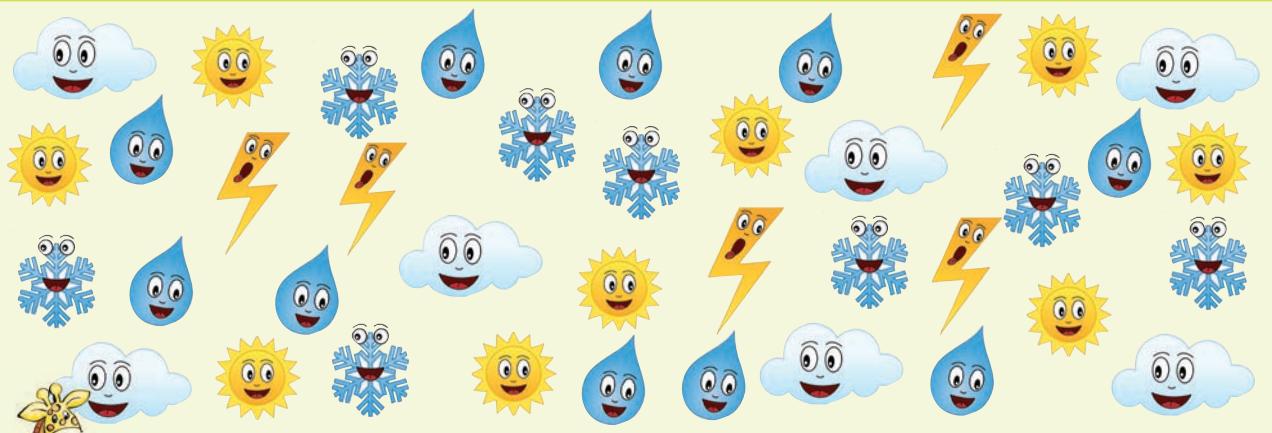
qb



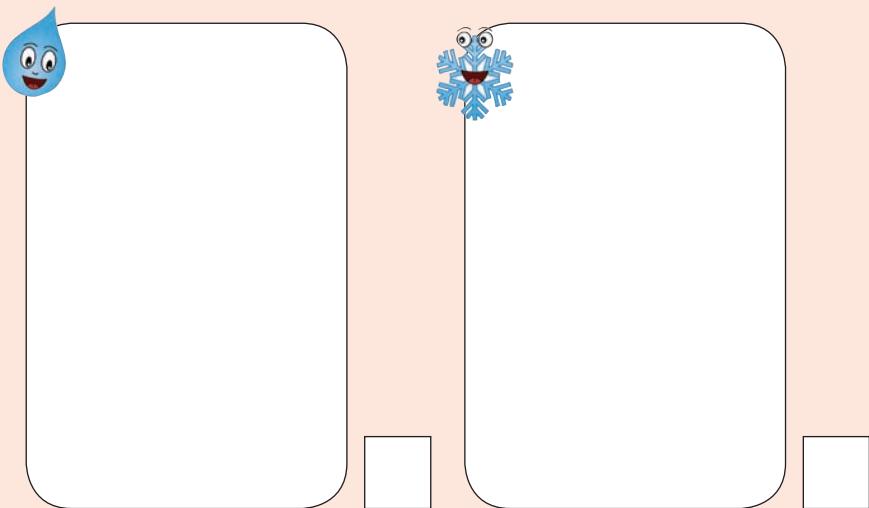
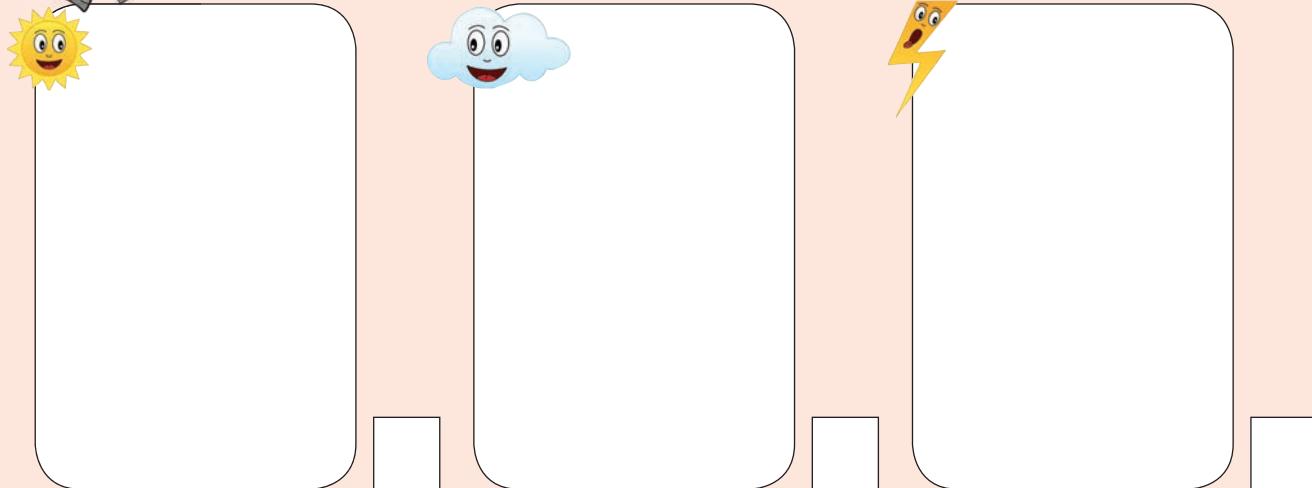
Siku:

## Ku hlawula switiviwa

Kotara 3



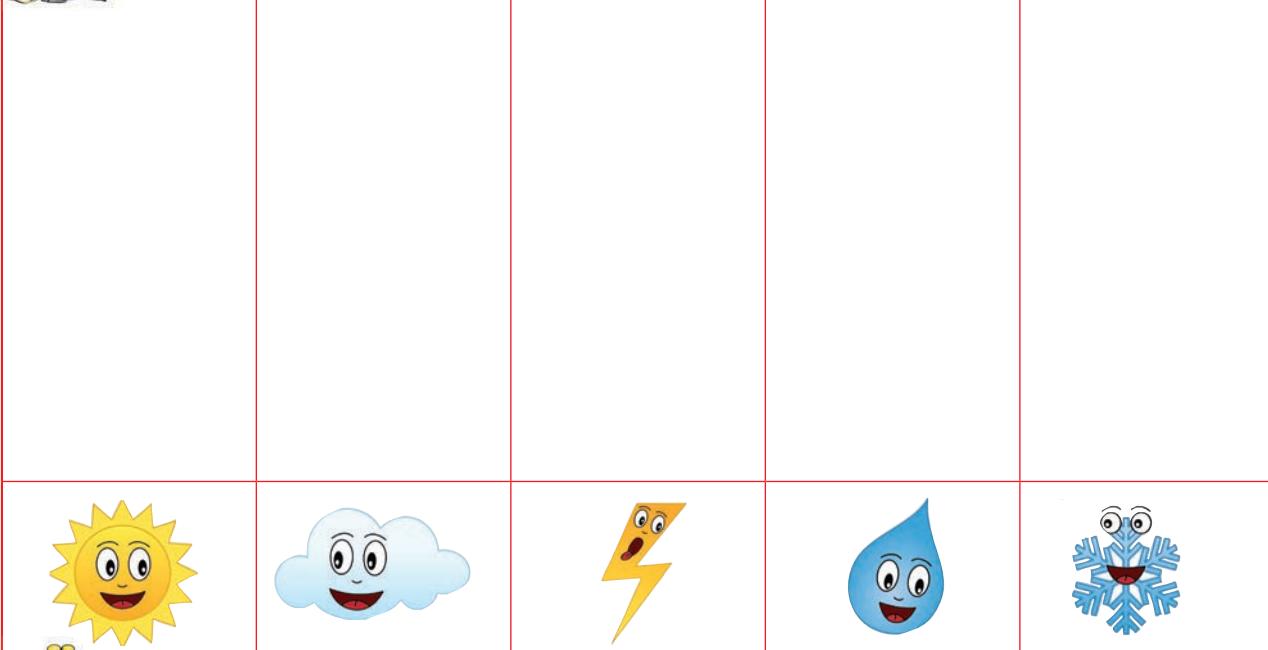
Hlawula mifungho ya maxelo. Dirowa xifaniso xa wena. Tsala ntsengo ebokisini.





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?



Teacher:

Sign:

Date:

11

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q7

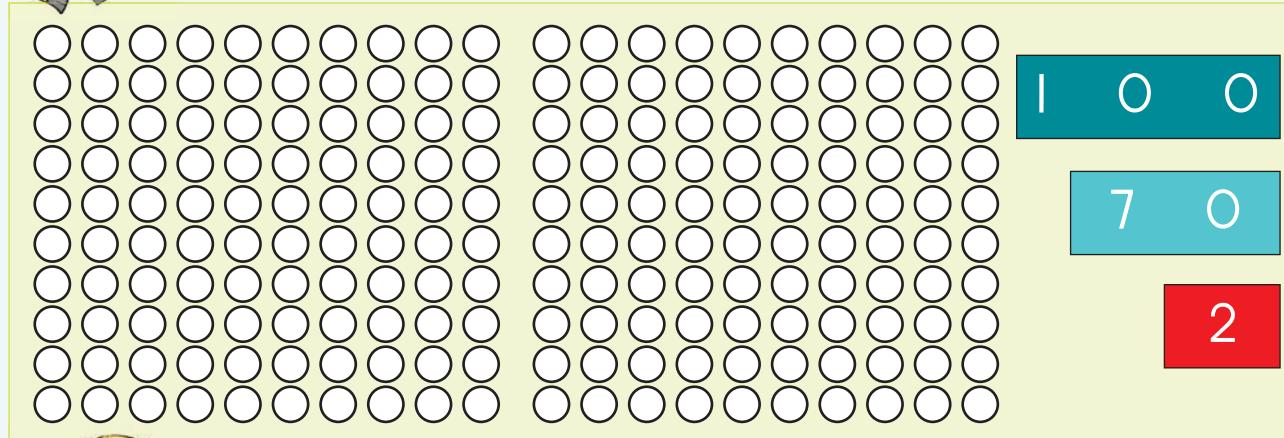


## Tinomboro ta l50 – l80

Kotara 4



Khalara l72 wa swirhendzevutana.



Tsala xivulwa xa tinomboro xa:

$$\begin{array}{r} \text{l } 0 \ 0 \\ + \ 5 \ 0 \\ \hline \ 100 + 50 + 8 \\ = \ 158 \end{array}$$

$$\begin{array}{r} \text{l } 0 \ 0 \\ + \ 5 \ 0 \\ \hline \ 100 + 50 + q \\ = \end{array}$$

$$\begin{array}{r} \text{l } 0 \ 0 \\ + \ 7 \ 0 \\ \hline \ 100 + 70 + 2 \\ = \end{array}$$

$$\begin{array}{r} \text{l } 0 \ 0 \\ + \ 5 \ 0 \\ \hline \ 100 + 50 + 0 \\ = \end{array}$$

$$\begin{array}{r} \text{l } 0 \ 0 \\ + \ 6 \ 0 \\ \hline \ 100 + 60 + 7 \\ = \end{array}$$

$$\begin{array}{r} \text{l } 0 \ 0 \\ + \ 5 \\ \hline \ 100 + 5 \\ = \end{array}$$



Hi tiki tinomboro leti nghenaka exikarhi:

l50 na l58 \_\_\_\_\_

l72 na l77 \_\_\_\_\_

l80 na l75 \_\_\_\_\_

l60 na l55 \_\_\_\_\_

l65 na l60 \_\_\_\_\_

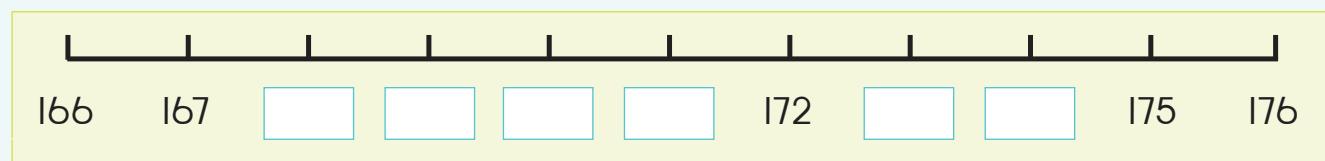
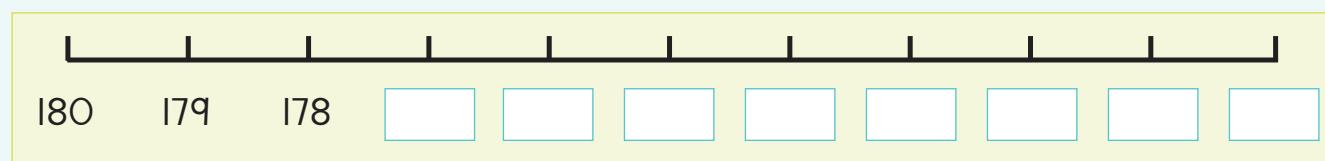
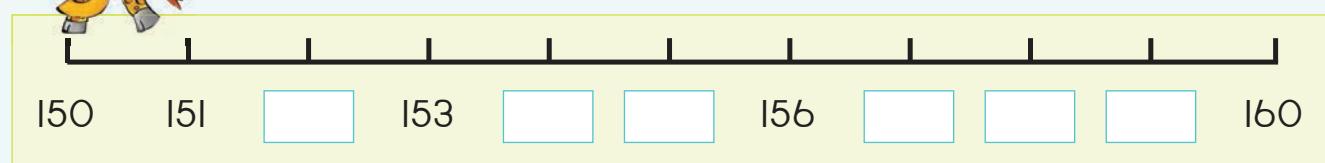


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.

Letitsongo	Nomboro	Letikulu
	157	
	165	
	178	
	161	
	174	



Hetisa mindzhati ya mintsengo.



Tsema tinomboro tinharu ta le xikarhi ka 150 na 180 eka magazini kumbe phephahungu. Ti namarhete hi ndzandzelelano wo suka eka leyikulu swinene ku ya eka leyitsongo swinene.



Teacher:
Sign:
Date:

q8

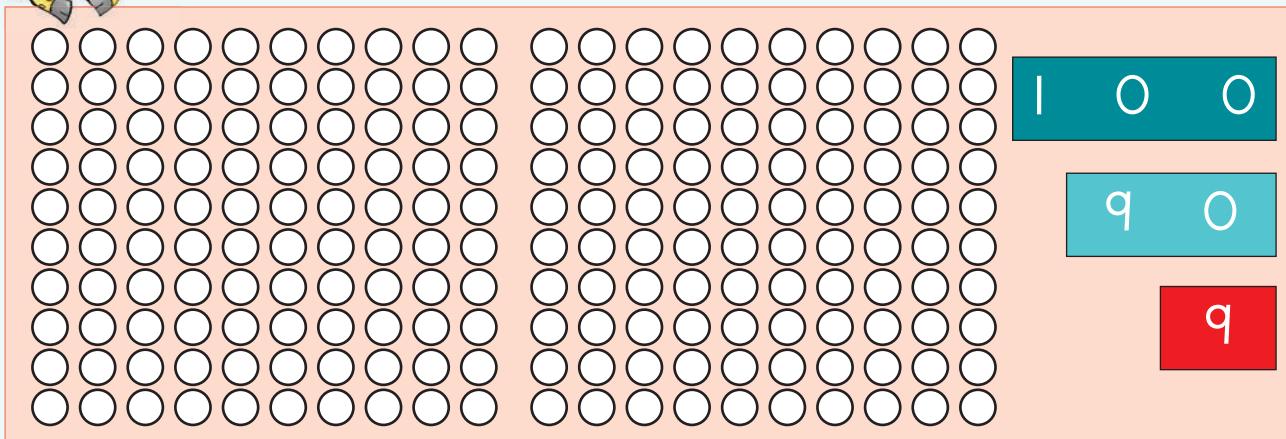


## Tinomboro ta l70 – 200

Kotara 4



Khalara l99 wa swirhendzevutana.



Tsala nomboro ya:

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

$100 + 70 + 7 = 177$

$$\begin{array}{r} \textcolor{teal}{l} \textcolor{teal}{0} \textcolor{teal}{0} \\ + \textcolor{lightblue}{q} \textcolor{lightblue}{0} \\ \hline \textcolor{red}{3} \end{array}$$

$$\begin{array}{r} \textcolor{teal}{l} \textcolor{teal}{0} \textcolor{teal}{0} \\ + \textcolor{lightblue}{8} \textcolor{lightblue}{0} \\ \hline \textcolor{red}{1} \end{array}$$

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

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

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



Hi tihī tinomboro leti nghenaka exikarhi ka:

l70 na l75

\_\_\_\_\_

l98 na l95

\_\_\_\_\_

l80 na l75

\_\_\_\_\_

l68 na l73

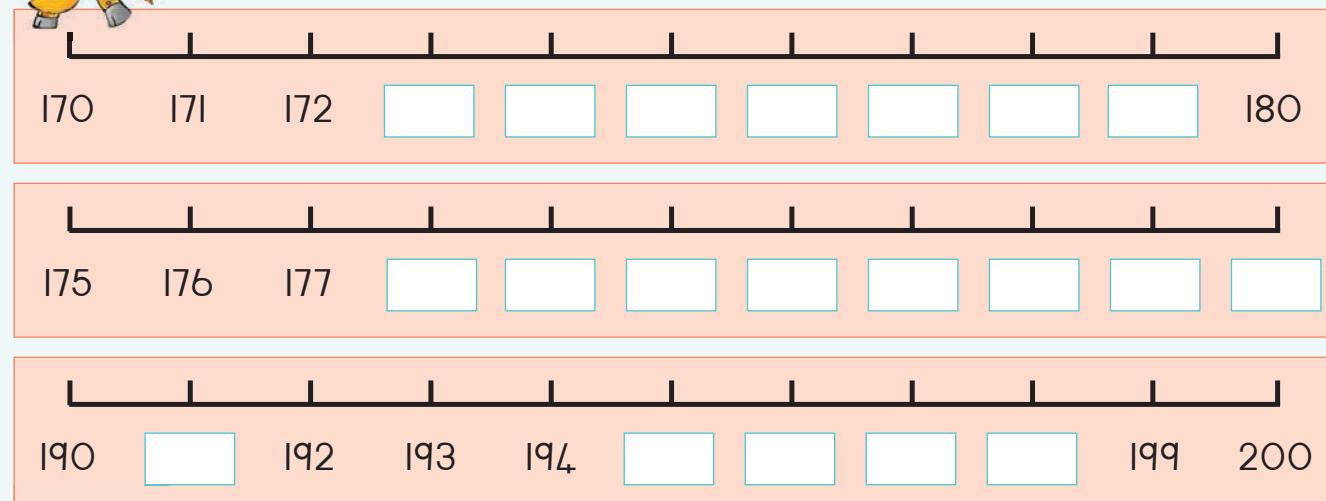
\_\_\_\_\_

200 na l96

\_\_\_\_\_

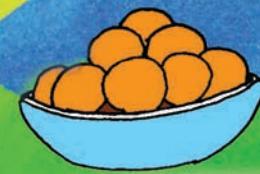


Letitsongo	Nomboro	Letikulu
	170	
	198	
	185	
	174	
	181	



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

qq

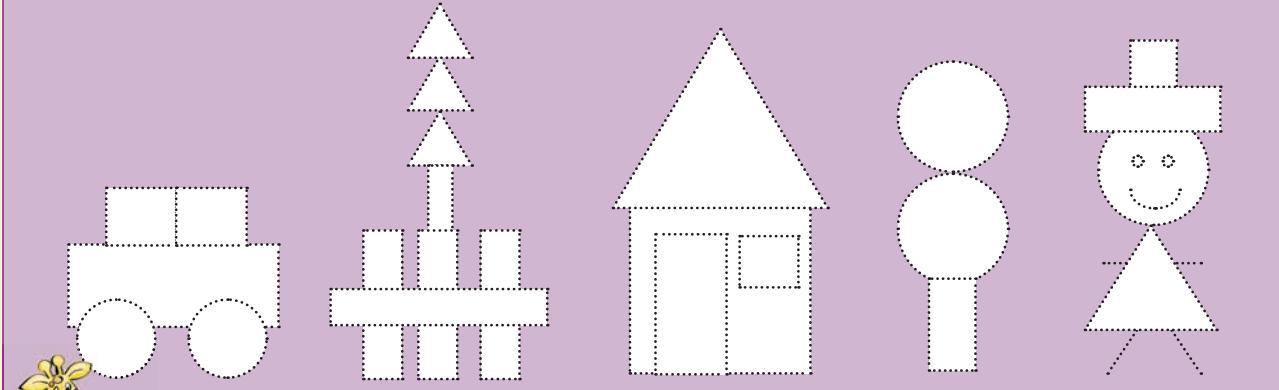


Siku:

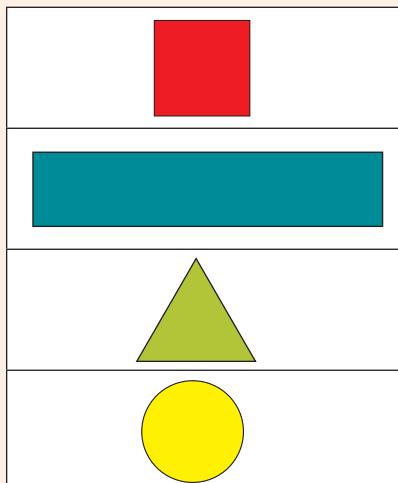
## Swivumbeko swa 2 wa matlhelo

Kotara 4

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

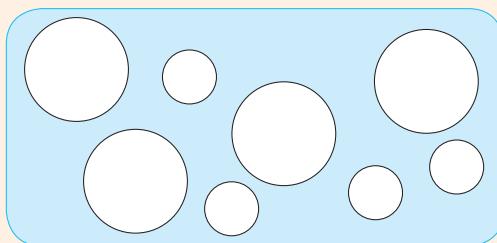


Yelanisa rito na xivumbeko.



Khalara:

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



yinhlanhharhu

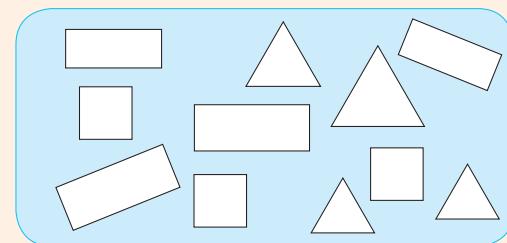
xirhendzevutana

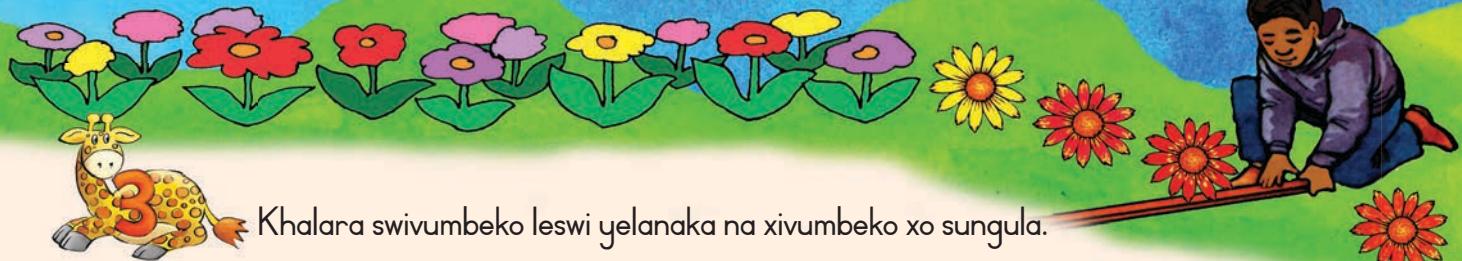
xikwere

yinhlamune

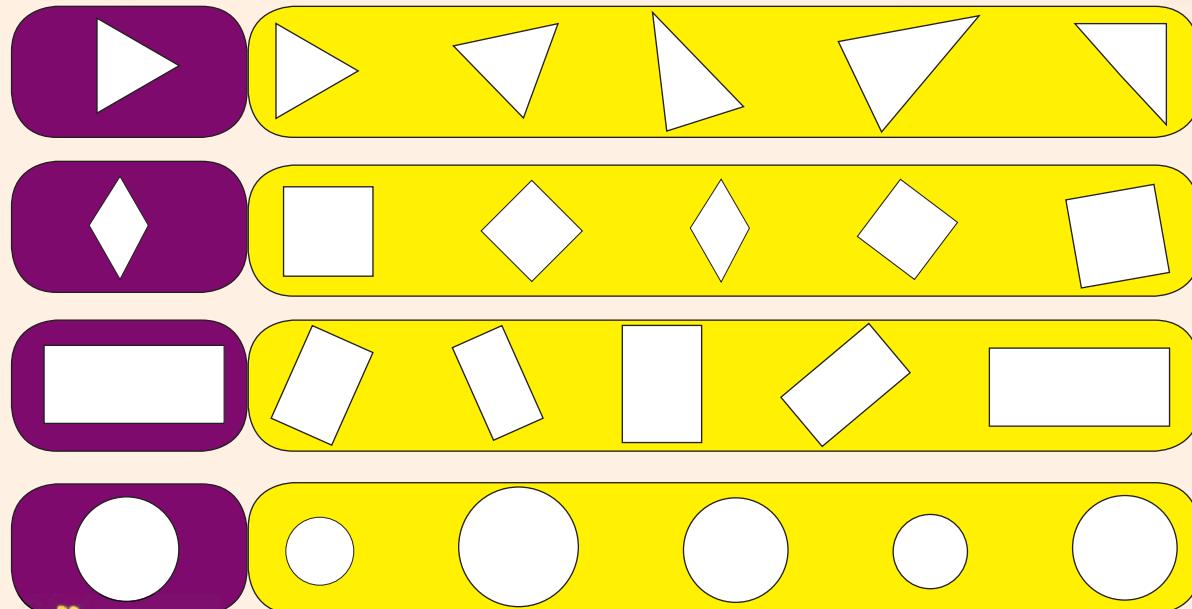
Khalara:

- 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.



Teacher:
Sign:
Date:

100



Kotara 4

## Tinomboro ta 0 – 200



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.

$$\begin{array}{r}
 181 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}} \\
 144 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}} \\
 135 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}} \\
 156 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}} \\
 169 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{0}}
 \end{array}$$



Hlanganisa leswi landzelaka:

$60 + 4 = \boxed{\phantom{00}}$

$100 + 20 + 3 = \boxed{\phantom{00}}$

$90 + 8 = \boxed{\phantom{00}}$

$100 + 40 + 9 = \boxed{\phantom{00}}$

$40 + 7 = \boxed{\phantom{00}}$

$100 + 70 + 8 = \boxed{\phantom{00}}$

$30 + 6 = \boxed{\phantom{00}}$

$100 + 60 + 1 = \boxed{\phantom{00}}$

$50 + 2 = \boxed{\phantom{00}}$

$100 + 50 + 5 = \boxed{\phantom{00}}$

Tatisa nomboro leyi siyiweke:

$70 + \boxed{\phantom{00}} = 71$

$100 + \boxed{\phantom{00}} + 3 = 153$

$30 + \boxed{\phantom{00}} = 38$

$100 + \boxed{\phantom{00}} + 9 = 169$

$60 + \boxed{\phantom{00}} = 69$

$\boxed{\phantom{00}} + 70 + 8 = 178$

$20 + \boxed{\phantom{00}} = 24$

$100 + \boxed{\phantom{00}} + 1 = 191$

$80 + \boxed{\phantom{00}} = 85$

$100 + 50 + \boxed{\phantom{00}} = 157$



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

$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$



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	



101

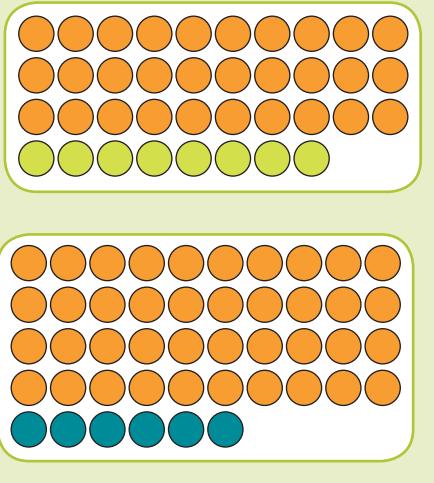


## Ku hlanganisa na ku susa

Languta bodo ya tinomboro na vuhlalu. Bula hi swona.

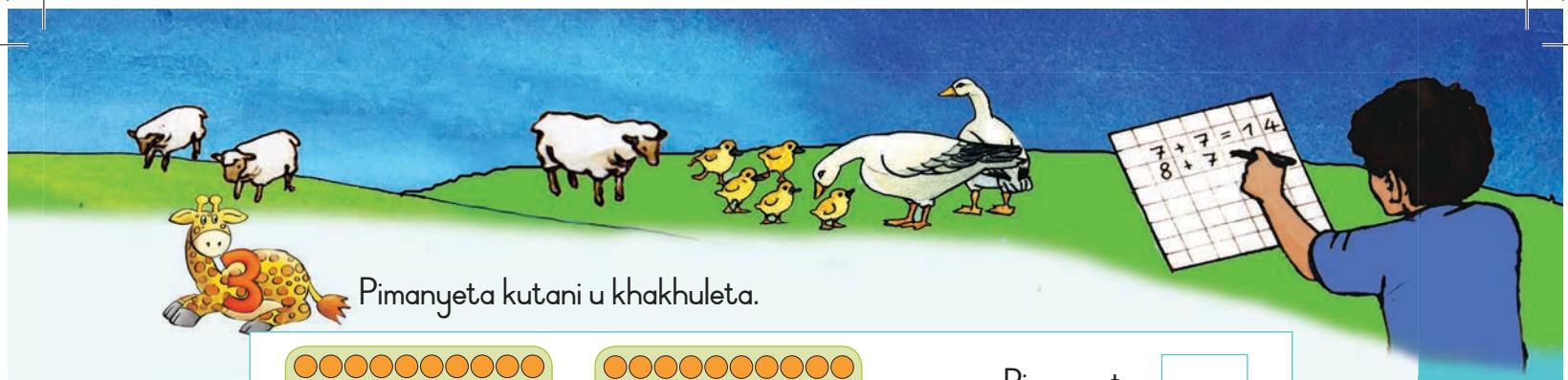
Kotara 4

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

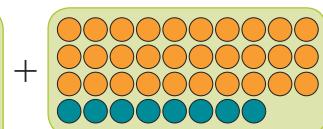
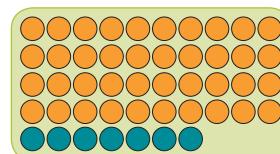


Hlanganisa kumbe u susa vuhlalu.

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

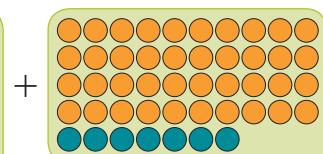
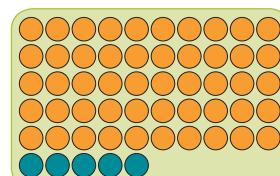


Pimanyeta kutani u khakhuleta.



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?



## Ku hlanganisa na ku susa nakambe



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

2 0

8

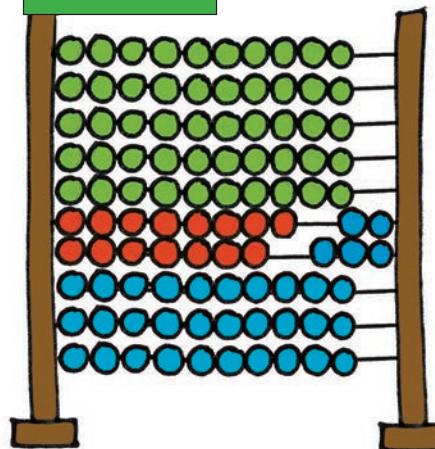
3 0

7

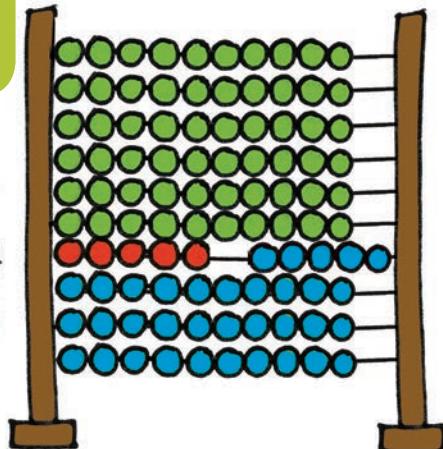
Hlanganisa  
tinomboro timbirhi.

6 0

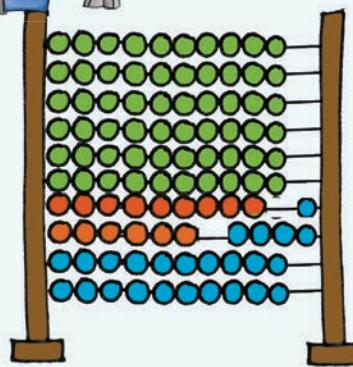
5



Ti  
ringana na?

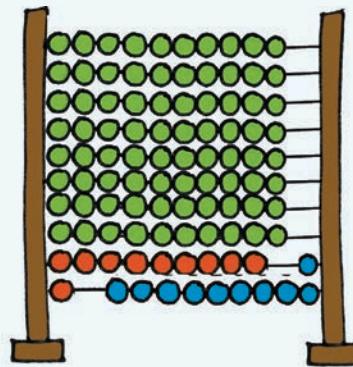


Tsala nhlayo yo hlanganisa na yo susa. Yi khakhulete.



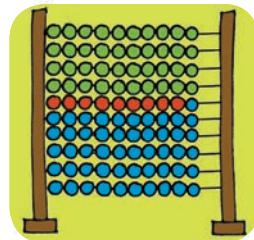
Nhlayo yo hlanganisa

Nhlayo yo susa

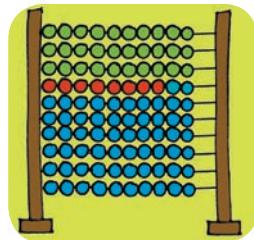


Nhlayo yo hlanganisa

Nhlayo yo susa

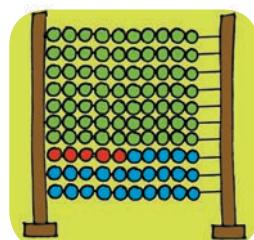


+

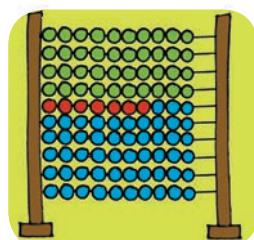


Pimanyeta

Khakhuleta



-



Pimanyeta

Khakhuleta



Khakhuleta hi ku tirhisa maendlelo ya wena.

$58 + 35$

$34 - 26$



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.



11

12

13

14

15

16

17

18

19

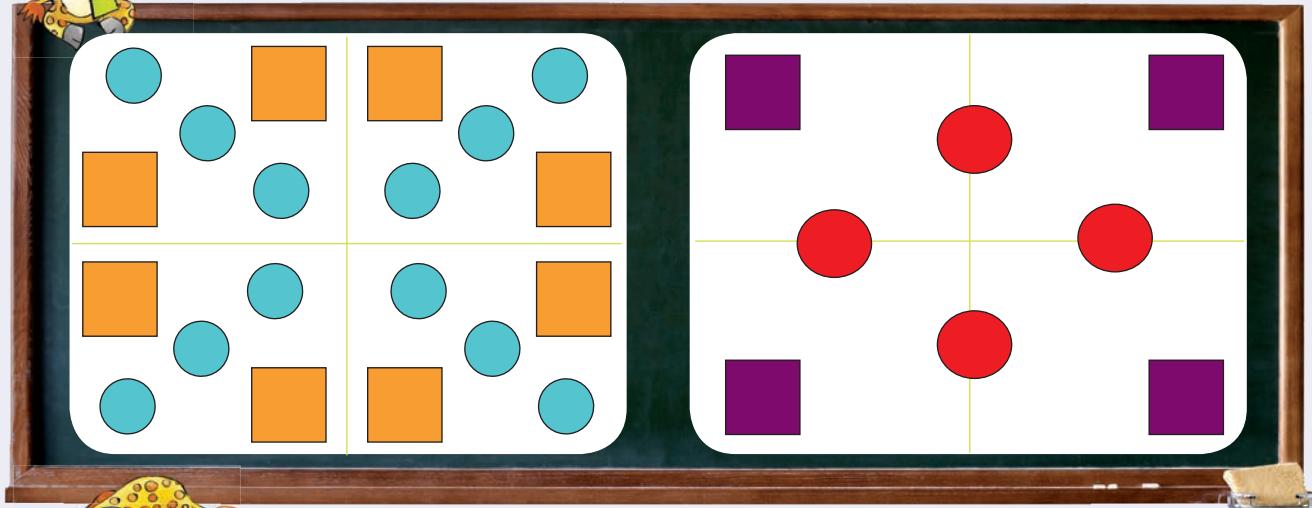
20

103

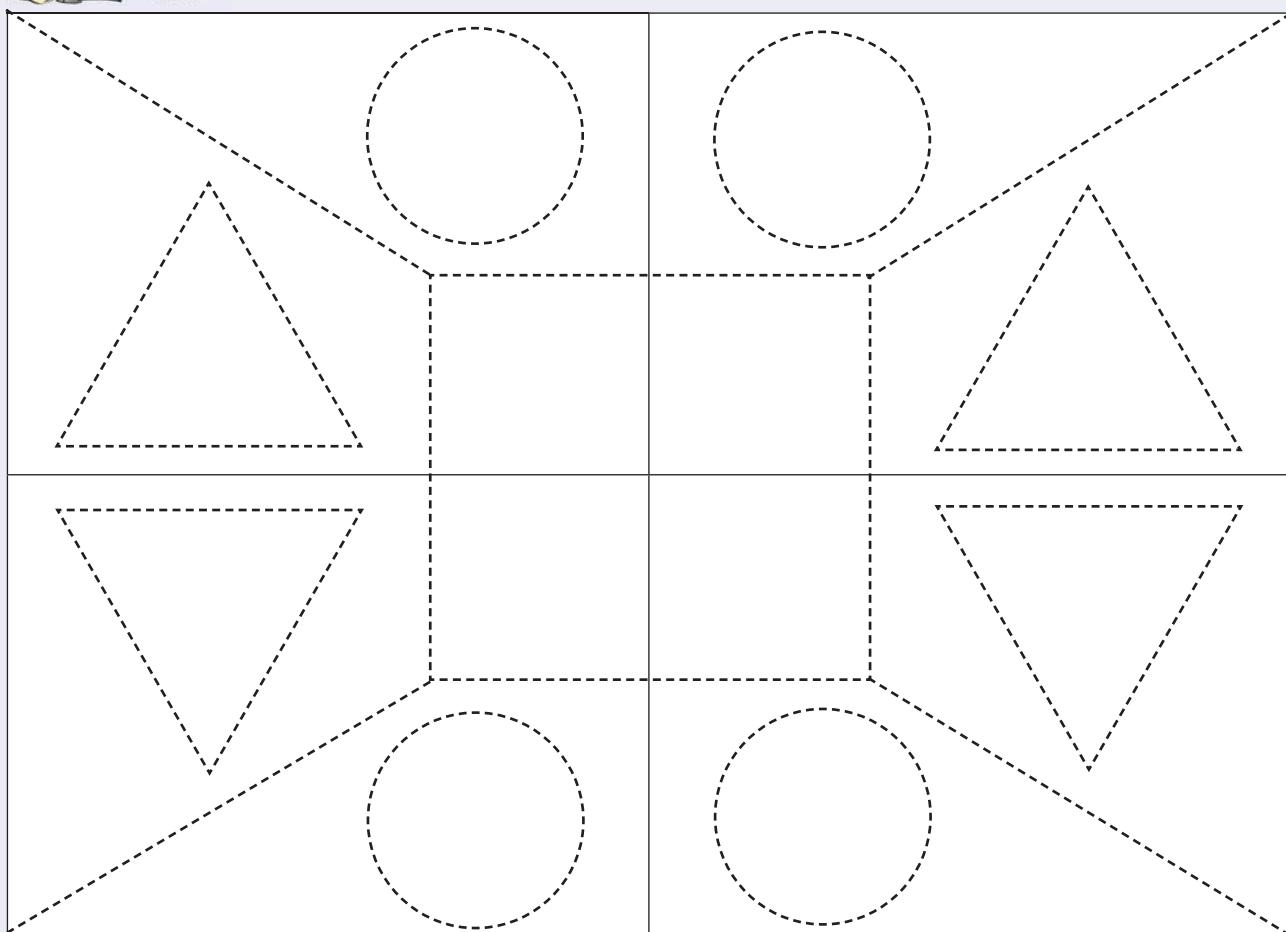
## Tipatironi ta swivumbeko

Kotara 4

Hlamusela patironi.

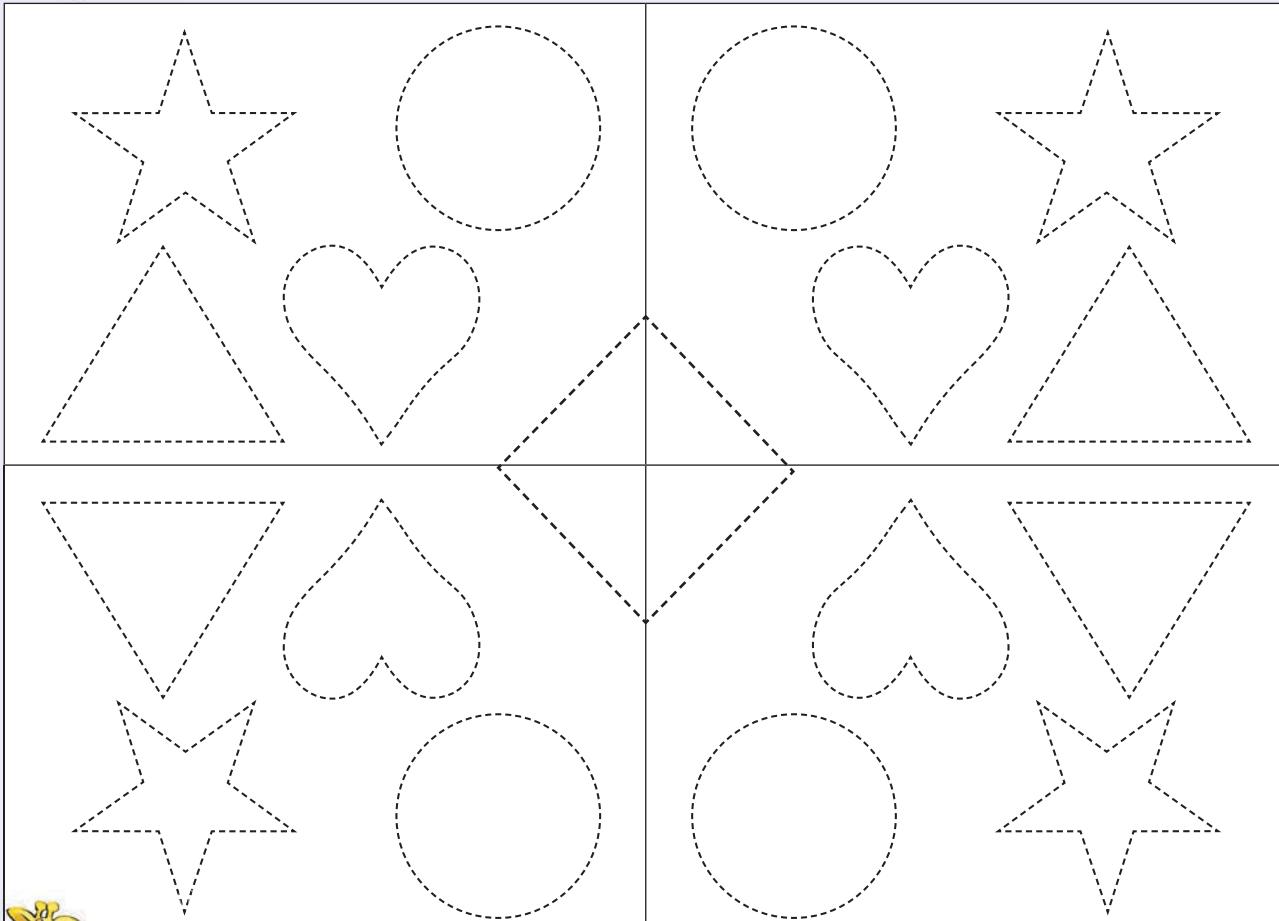


Landzelerisa patironi kutani u yi khalara.





Landzelerisa patironi kutani u yi khalara.



Endla patironi ya wena u tirhisa swivumbeko.



Teacher:

Sign:

Date:

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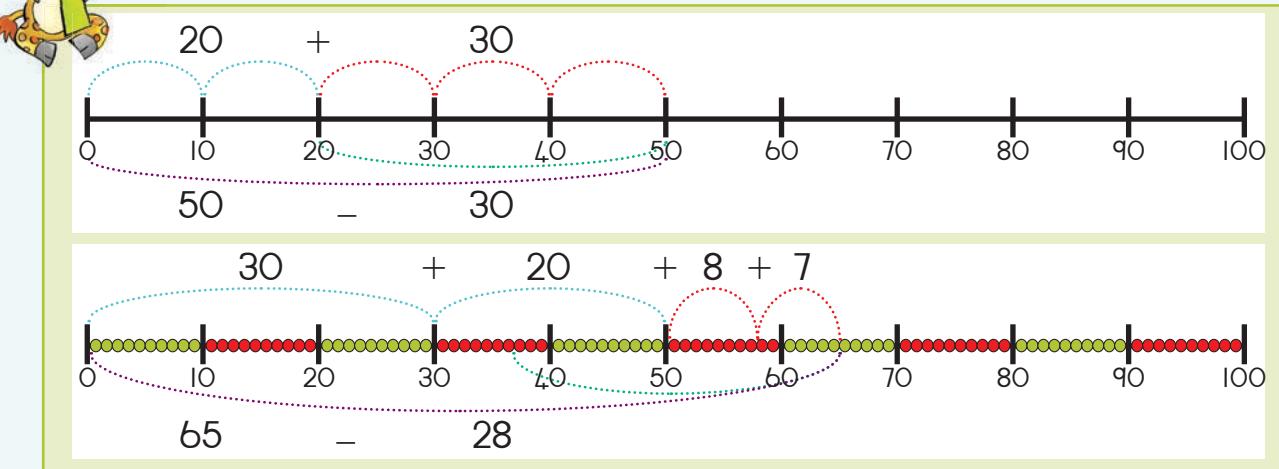
Siku:

Kotara 4

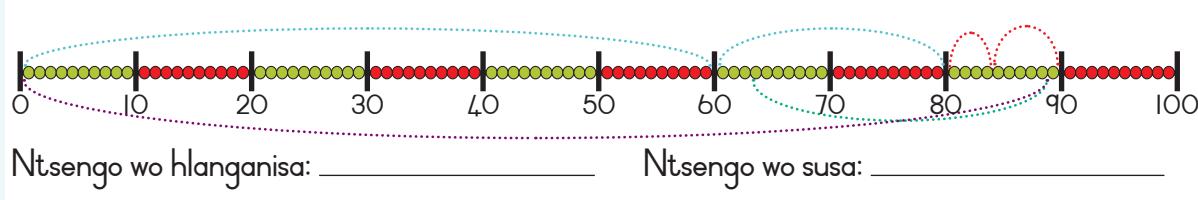
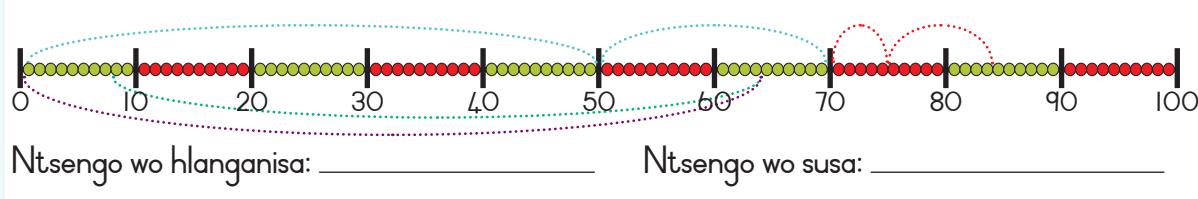
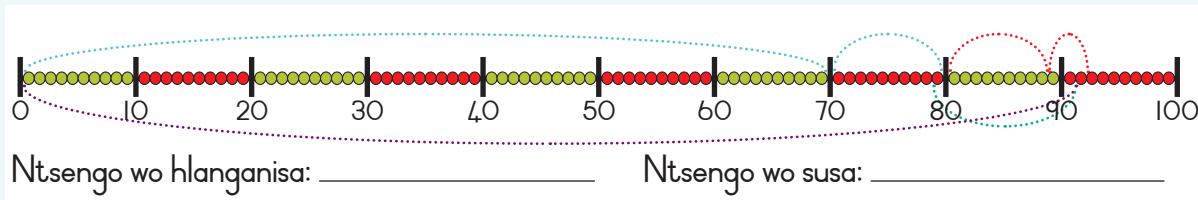
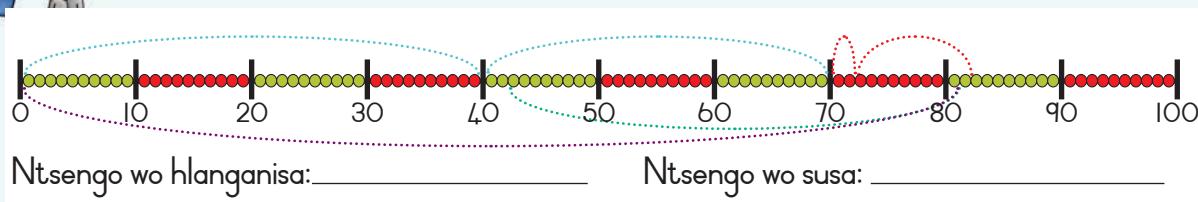


## Ku hlanganisa na ku susa kun'wana

Languta mindzhati ya mintsengo. Bula hi yona.

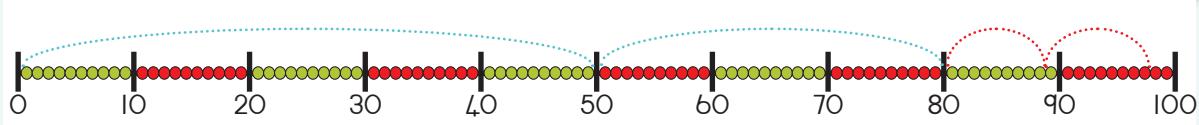


Tsala tinhlayo to hlanganisa na to susa u tirhisa ndzhati wa mintsengo.

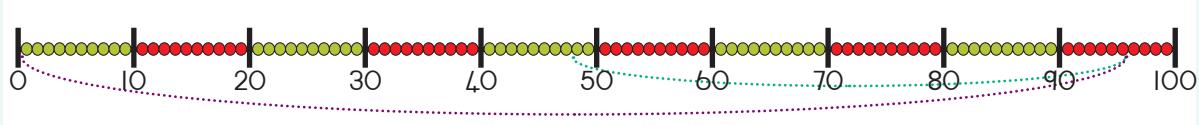




Pimanyeta u tlhela u khakhuleta vuhlalu.



Pimanisa: \_\_\_\_\_ Khakhuleta: \_\_\_\_\_



Pimanyeta: \_\_\_\_\_ Khakhuleta: \_\_\_\_\_



Khakhuleta u tirhisa maendlelo ya wena.

$74 + 18$

$72 - 43$



82 na 9 swi endla yini?

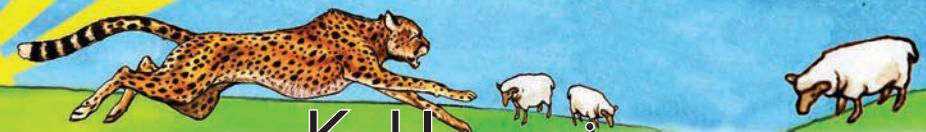
Ntsengo wa 79 na 13.

Susa 44 eka 52.

Ku hambana exikarhi ka 98 na 59.



105



## Ku hlanganisa na ku susa kun'wana nakambe

Siku:

Kotara 4

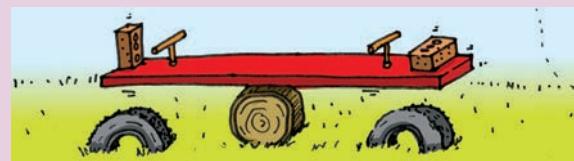


Ringanisa matlhelo.

$10 + 4 + 5$

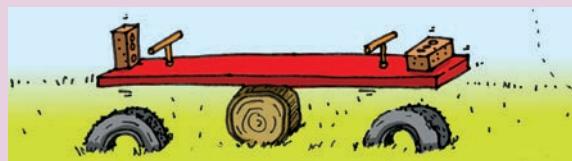
$9 +$

$+ \quad \square$



$90 - 50$

$\square - 20$



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

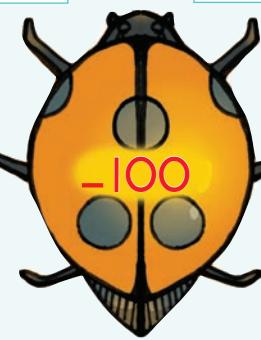
37

175

89

163

199





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

$$\begin{array}{r} 9 \quad 0 \\ - \\ 1 \quad 0 \quad 0 \end{array} \quad \begin{array}{r} 2 \quad 0 \\ + \\ 3 \end{array} \quad \begin{array}{r} 5 \\ 3 \quad 0 \end{array}$$



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?

Ku susa swi vula yini?



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?



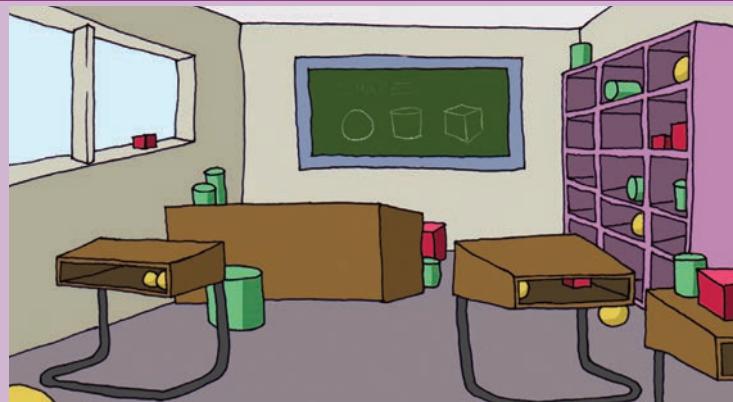


## Swilo swa 3 wa matlhelo

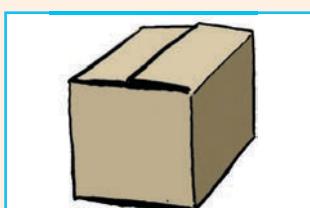
Siku:

Kotara 4

Xana mabokisi, tibolo na  
tisilindara swi le kwih?



Vula loko xi ri bokisi, bolo, kumbe silindara.

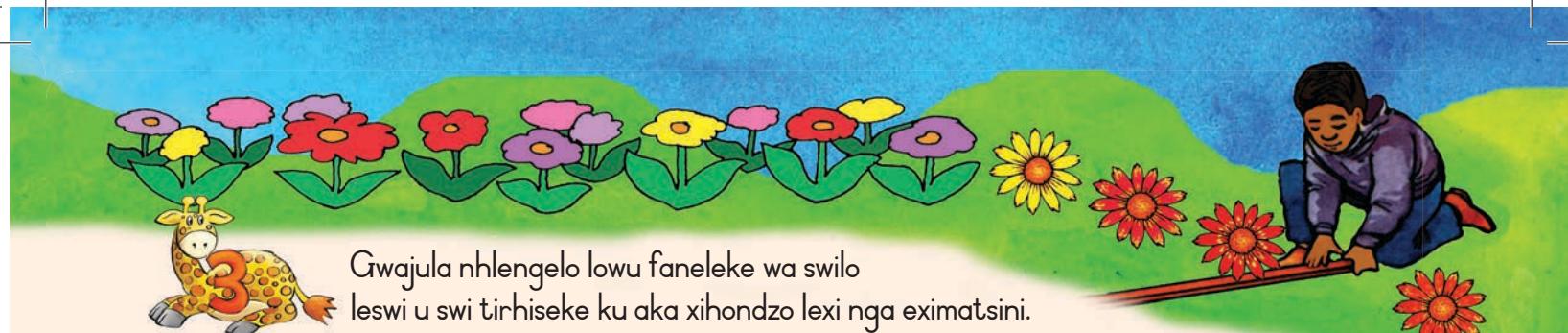


Kuma swifaniso swa leswi landzelaka kutani u swi damarheta laha.

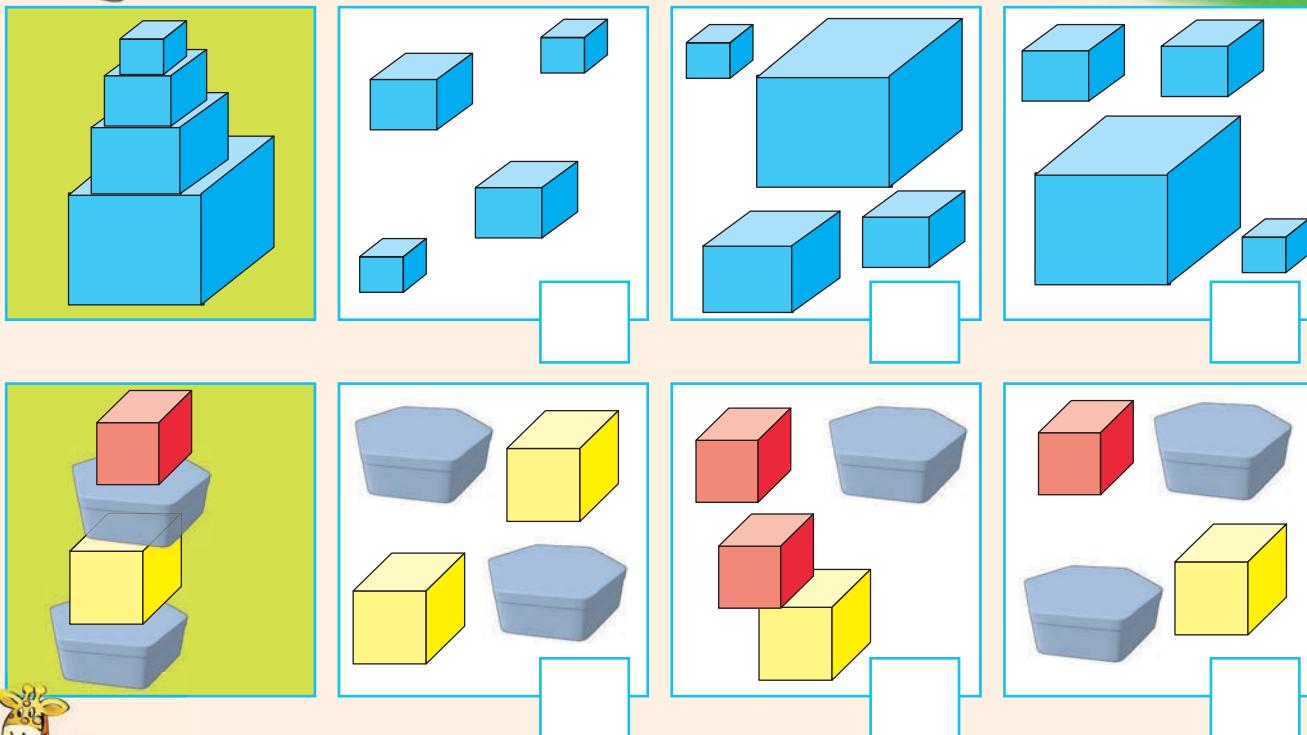
Bolo

Bokisi

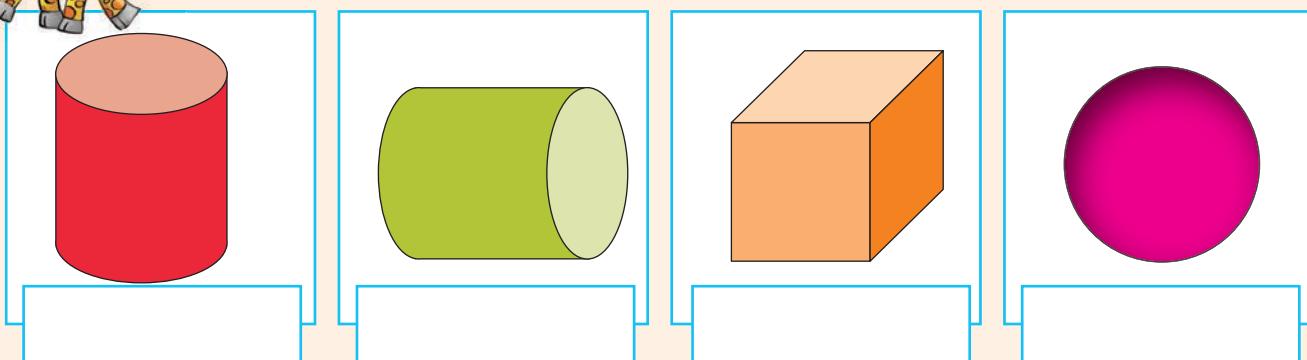
Silindara



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.



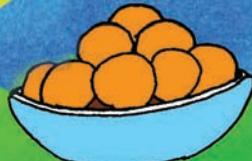
Endlwini ya wena kumbe eka ndhawu yin'wana na yin'wana ekusuhi na yindlu ya wena, i yini lexi langutekaka tanihi:

- Silindara
- Bolo
- Mabokisi

<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>
<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>



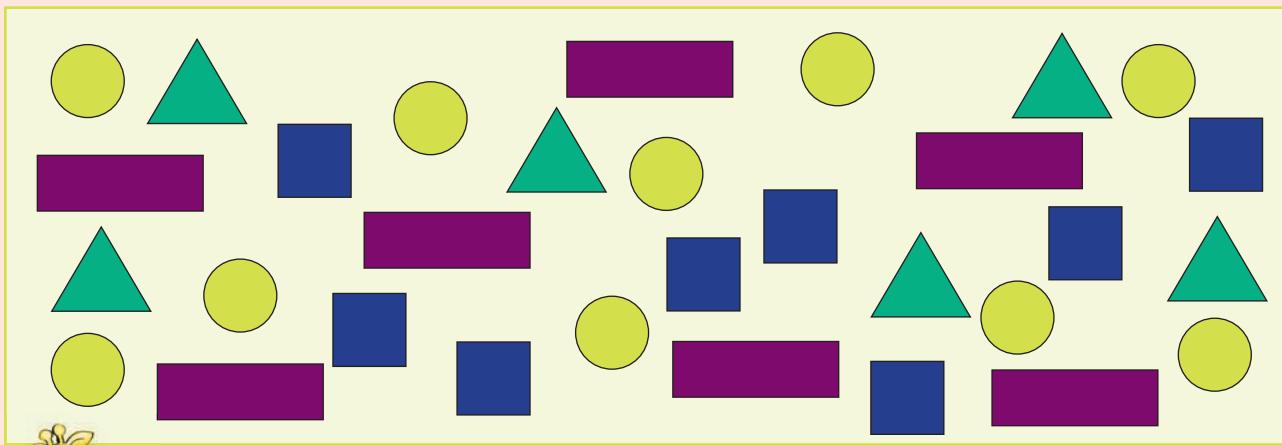
107



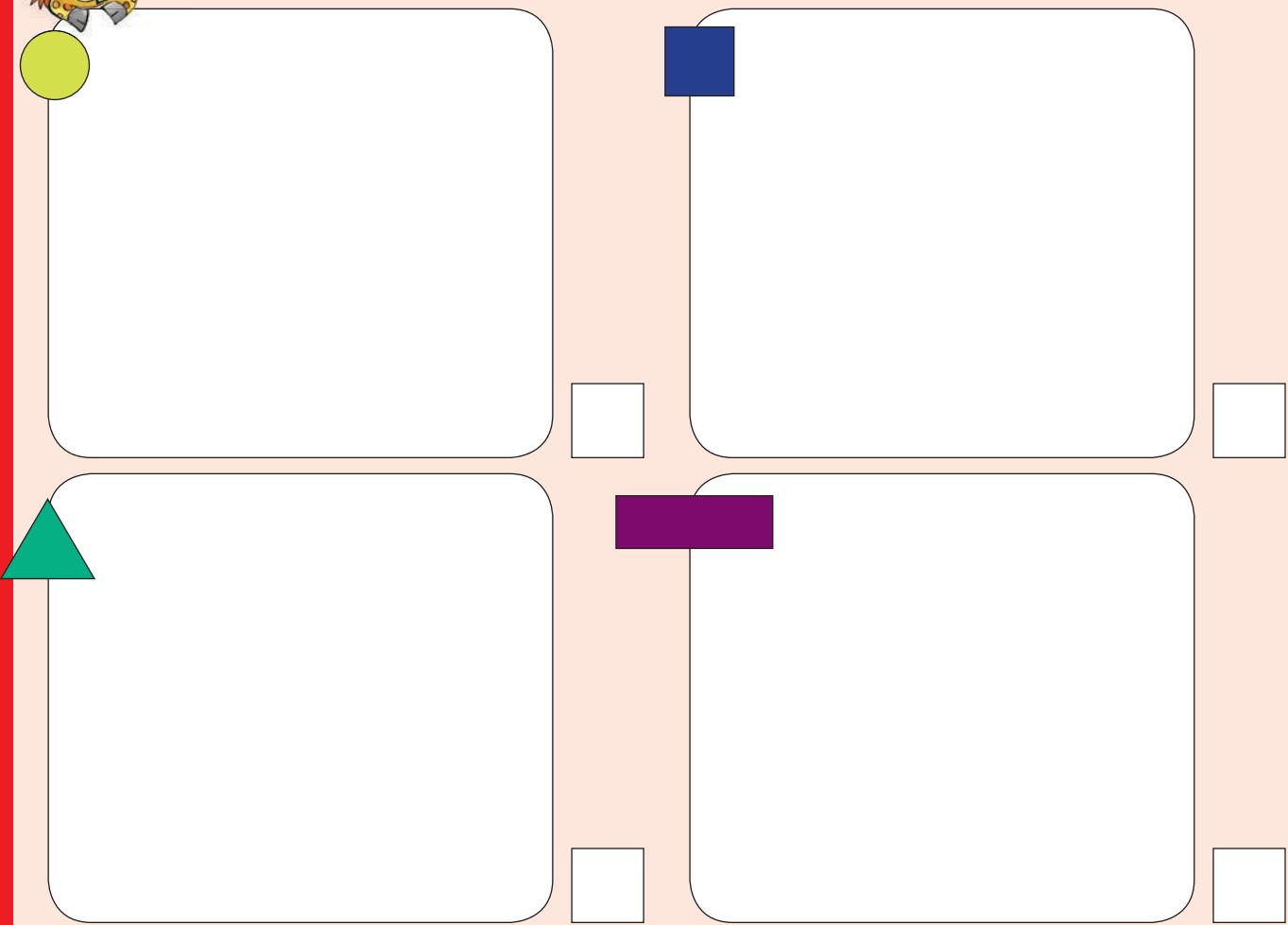
Siku:

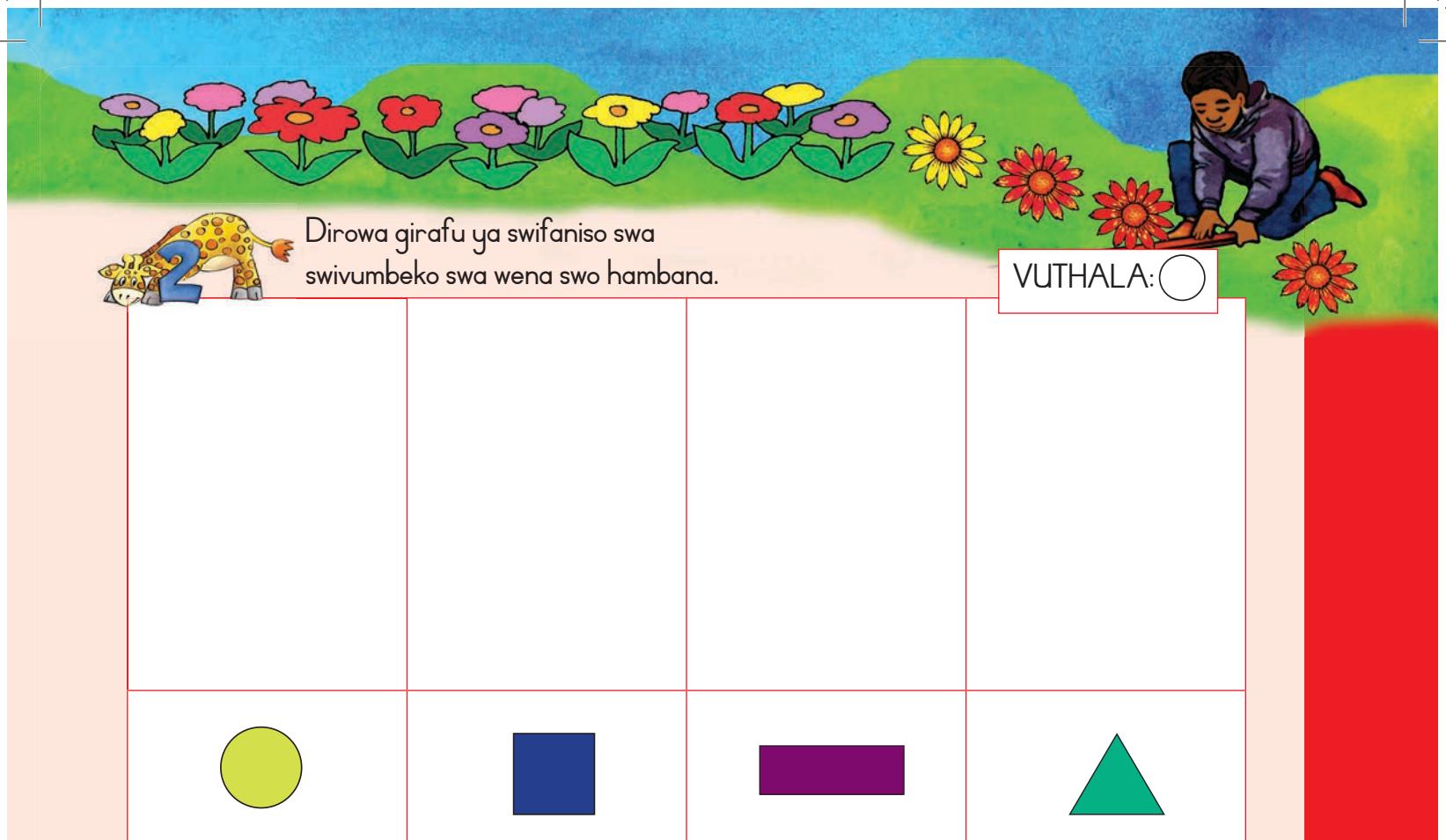
## Switiviwa swin'wana swo tala

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.

This image shows a blank worksheet with a red grid. The grid consists of 12 horizontal rows and 4 vertical columns, creating 12 equal-sized rectangular cells. In the bottom row, there are four separate colored shapes: a yellow circle on the far left, a blue square in the middle-left, a purple rectangle in the middle-right, and a green triangle on the far right.

Xana ku na swirhendzevutana  
swingani?

1

Xana ku na  
swikwere swingani?

1

Xana ku na  
tiyinhlamune  
tingani?

1

Xana ku na  
tiyinhlanharhu  
tingani?

1





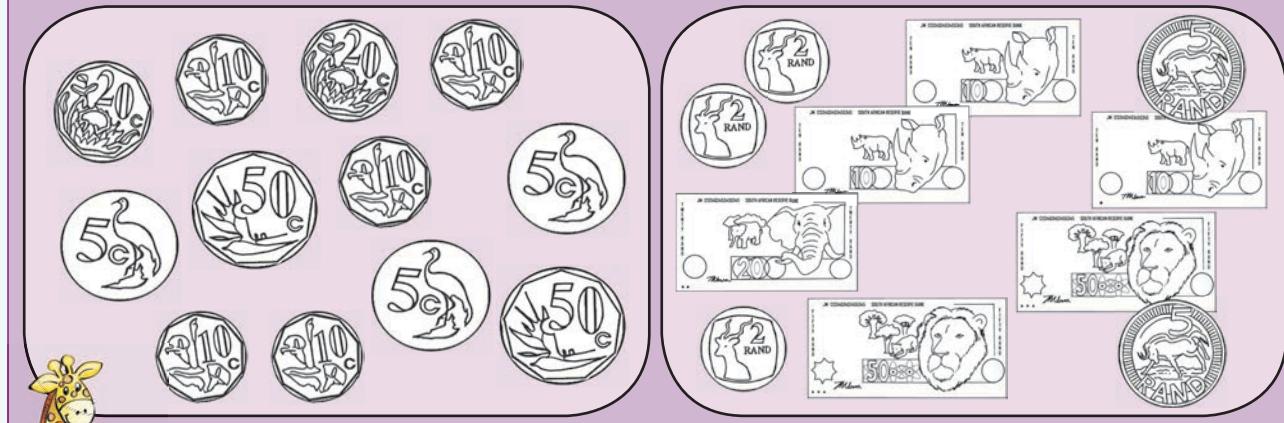
Siku:

## Ku hlayela mali

Kotara 4

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?

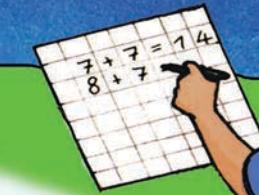
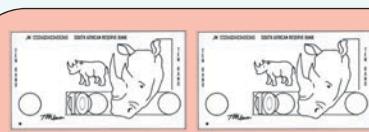
	Ina	E-e				
75c						
85c						
90c						

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

	Ina	E-e
R87	      	
R75	       	
R94	        	



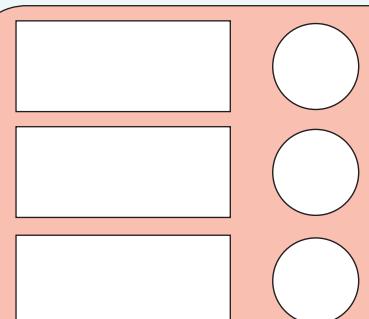
Sipho u xavile tihambega timbirhi.  
Hambega yin'we yi vitana RI2,50. Xana u hakerile mali muni?  
Dirowa mali ya phepha na tikhoyini leti faneleke ku kombisa nhlamulo ya wena.  
Tlhela u tsala tanahi xivulwa xa tinomboro.



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



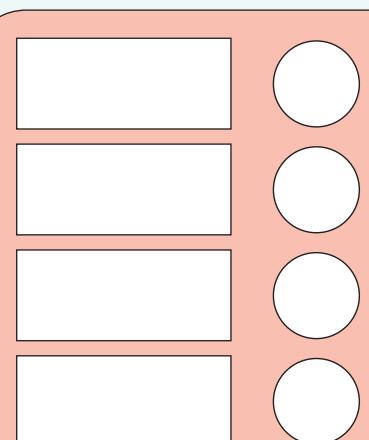
Loko Sipho a xava tihambega tinharhu?



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.



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 tirodara 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.



U lava 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

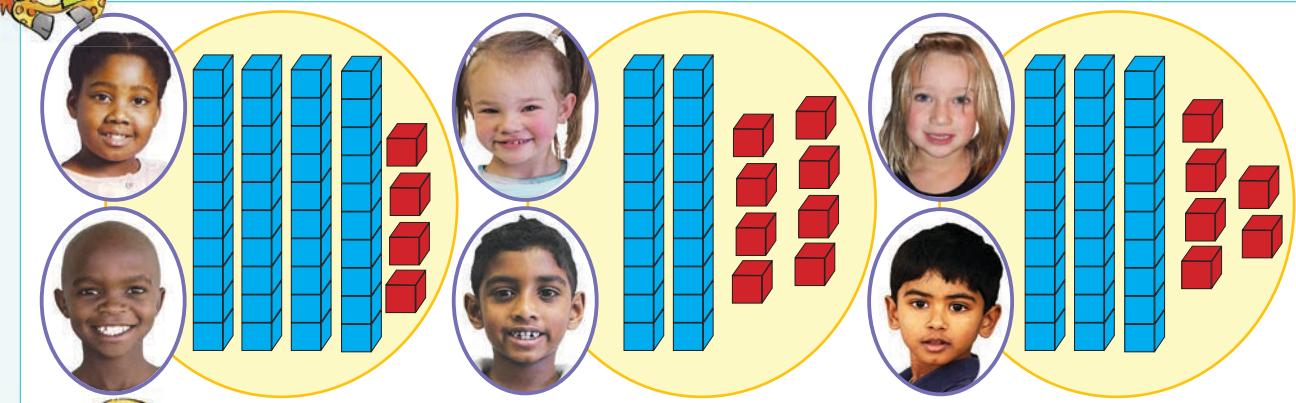


## Ku vumba ntawa na ku avela

Kotara 4

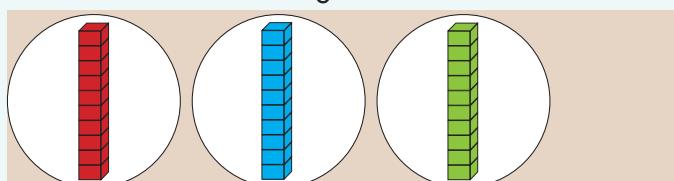


Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana? Ti ave exikarhi ka vana.

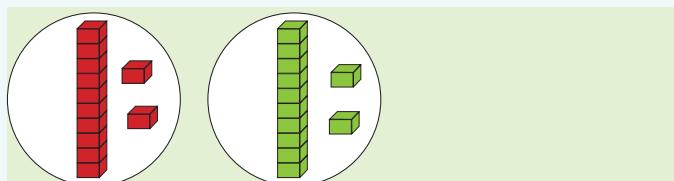


Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana?

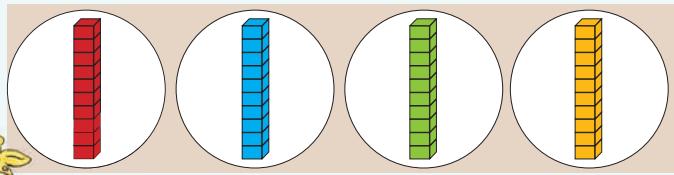
Tsala ntsengo eka xirhendzevutana xa wasi.



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



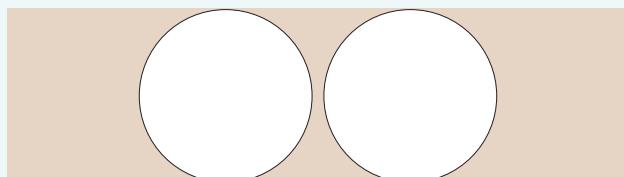
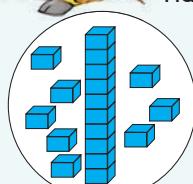
$$\square \times \square = \square$$



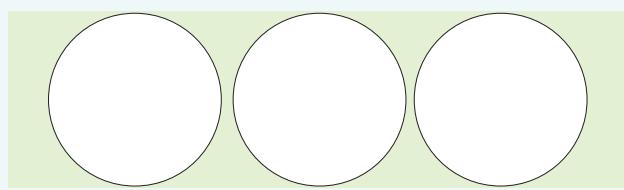
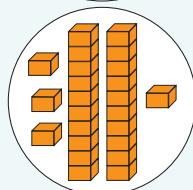
$$\square \times \square = \square$$



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: \_\_\_\_\_

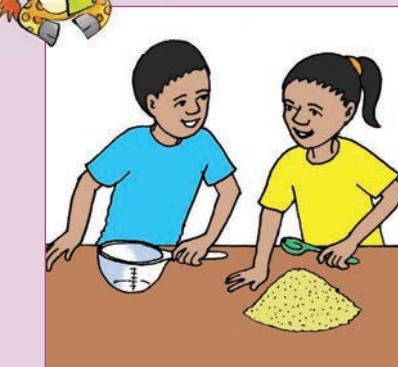
11 12 13 14 15 16 17 18 19 20



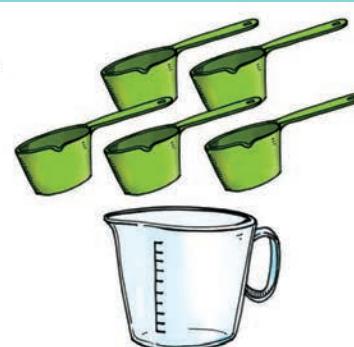
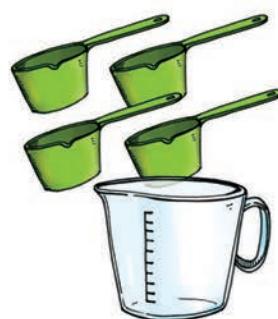
Kotara 4

## Vuenti byin'wana

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?

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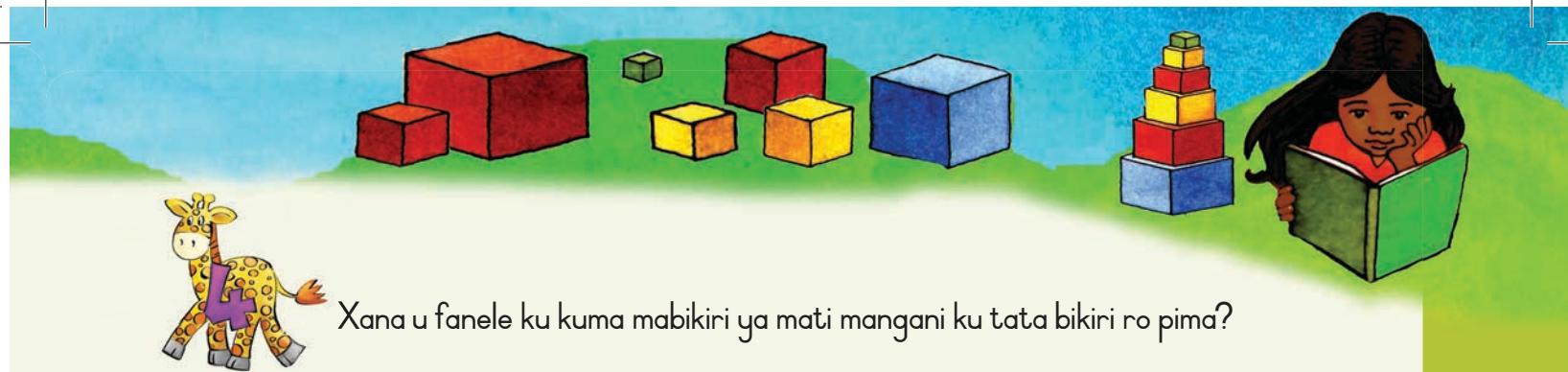
Xana u lava mabikiri mangani ya mati ku tata bikiri ro pima?

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



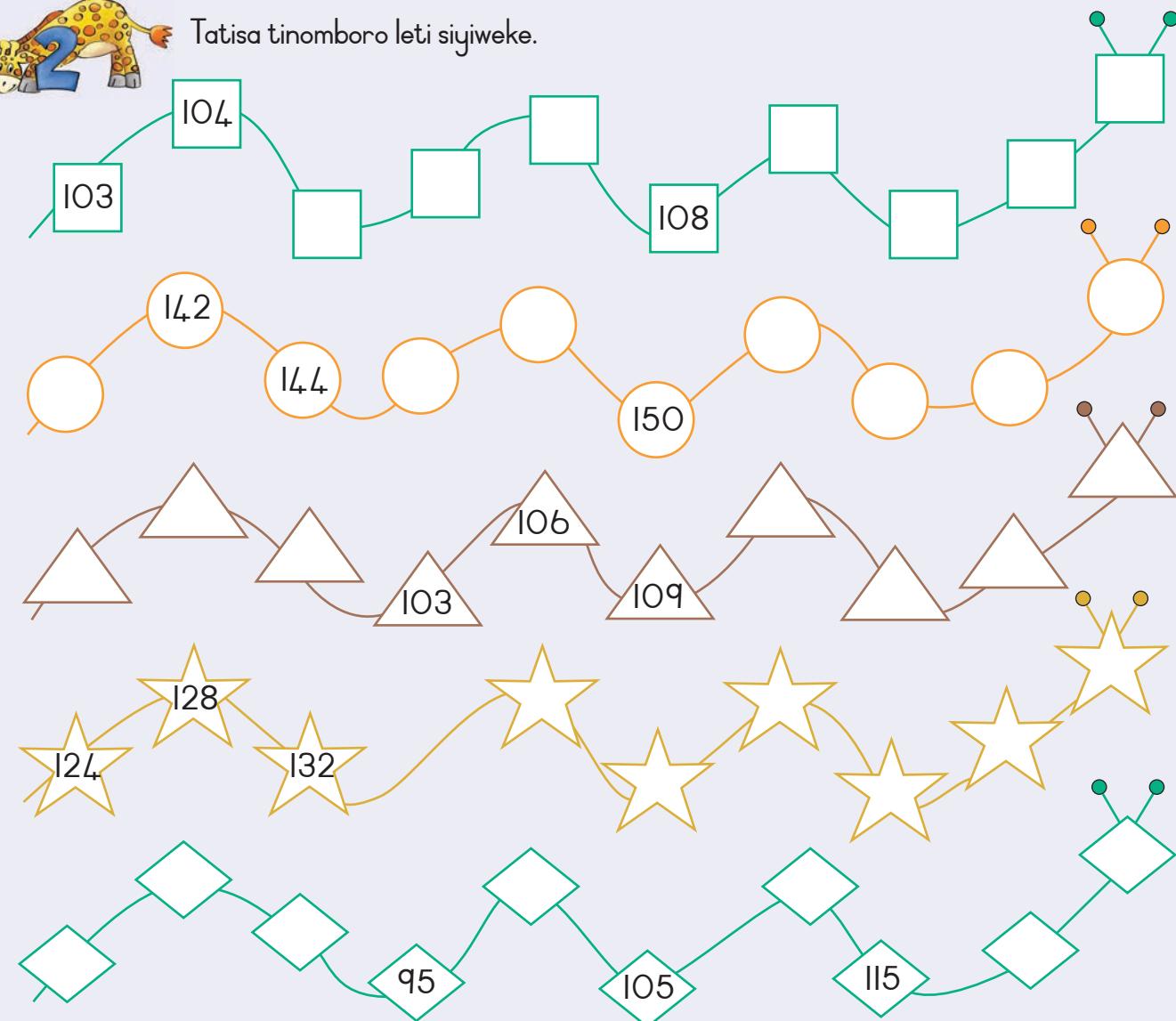
Veka makhadi hi mfanelo. Sungula hi lamakulu ku landzela lamatsongo.  
U tlhela u sungula hi lamantsongo kutani ku landzela lamakulu.

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, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_

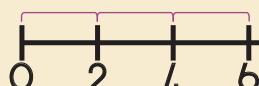
115, 118, 121, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_

200, 190, 180, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_

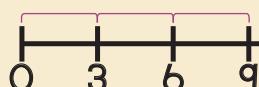


Hetisa ndzhati wa mintsengo.

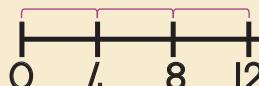
$$2 + 2 + 2$$



$$3 + 3 + 3$$



$$4 + 4 + 4$$



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



III  
13



Siku:

## Andzisa hi 3

Kotara 4

Swiharhi hinkwaswo swi na 4 wa milenge.

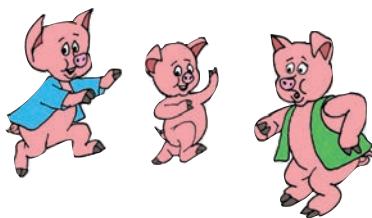


3 wa makondlo ya mabofu



3 wa swiberana

3 wa swingulubyana



Xana milenge hinkwayo i yingani exifanisweni lexi?

Xana tindleve hinkwato i tingani exifanisweni lexi?



Languta xifaniso lexi kutani u hetisa leswi landzelaka:



$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Nhlayo ya makondlo Milenge ya xiharhi xin'we

$$\boxed{\phantom{0}} \times \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

Nhlayo ya makondlo Tindleve ta xi-harhi xin'we



Hetisa leswi landzelaka:

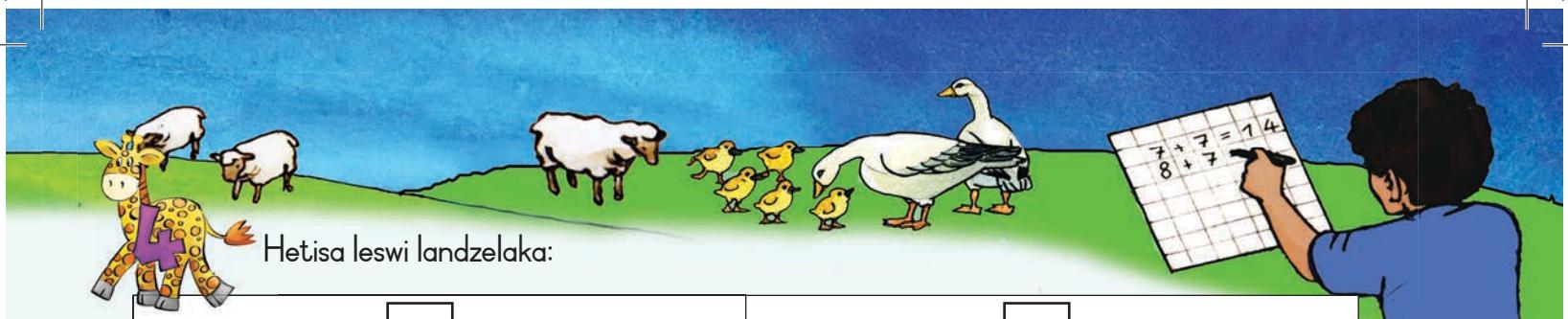
3	6	9							
---	---	---	--	--	--	--	--	--	--

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



$$13 \times 3 = \boxed{\phantom{00}}$$

$$\begin{array}{r} 1 \quad 0 \\ \textcolor{red}{3} \end{array} \times 3$$

$$= \begin{array}{r} 1 \quad 0 \\ \textcolor{red}{3} \end{array} \times 3$$

$$= \begin{array}{r} 1 \quad 0 \\ \textcolor{red}{3} \end{array} \times 3 + \begin{array}{r} 3 \\ \times 3 \end{array}$$

$$= 30 + 9$$



$$15 \times 3 = \boxed{\phantom{00}}$$

$$\begin{array}{r} 1 \quad 0 \\ \textcolor{red}{5} \end{array} \times 3$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{00}} \times \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}} \times \boxed{\phantom{0}} + \boxed{\phantom{00}} \times \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{0}}$$

$$= \boxed{\phantom{00}}$$



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



Hetisa leswi landzelaka:

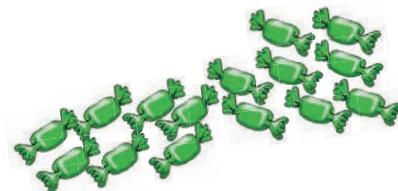


Avela 2 wa vana swiphemu swa chololeti leswi ringanaka.

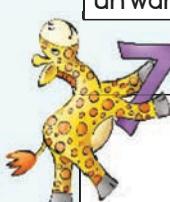
Un'wana na  
un'wana u kuma



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.

Un'wana na  
un'wana u kuma



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## Ku andzisa kun'wana

Siku:

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		$3 + 3 + 3 + 3$	$\times \times \times \times$ $\times \times \times \times$ $\times \times \times \times$	$3 \times 4 = 12$ $4 \times 3 = 12$
		$4 + 4 + 4$		
				$6 \times 5 = 30$ $5 \times 6 = 30$
2, 4, 6, 8, 10, 12				



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

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



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.



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## Ku andzisa kun'wana

Kotara 4



Languta swikombiso.

Xana ku andzisa  
swi vula yini?

25 – 10 – 2013	
$4 \times 2 =$	8
$3 \times 4 =$	12
$4 \times 5 =$	20
$2 \times 6 =$	12
Xana loko hi andizisa 2 hi 7 hi kuma 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.

$12 \times 2$

$16 \times 2$

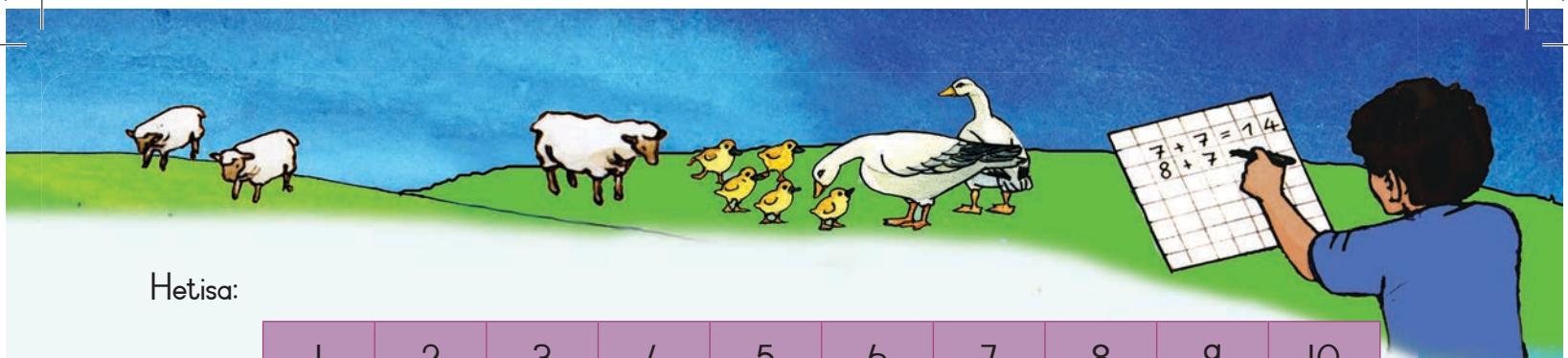
Hetisa:

	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



Tsala masiku ya vhiki.



## Masiku ya vhiki

Kotara 4

MBIRHIRAVU

NTOSO

BHUNUKUMUSUM

HARHURAVUN

UMUNERAV

IVELAMUGQ

NTLHANURAVU



Tata masiku lama siyiweke.

Musumbhunuku		Ravunharhu	
Sonto		Ravumbirhi	



Tsala masiku ya vhiki.

Sonto							
-------	--	--	--	--	--	--	--



I masiku mangani ku suka eka:

Musumbhunuku ku fika Ravumune? \_\_\_\_\_

Ravumbirhi ku fika Ravuntlhanu? \_\_\_\_\_

Ravumune ku fika Mugqivela? \_\_\_\_\_

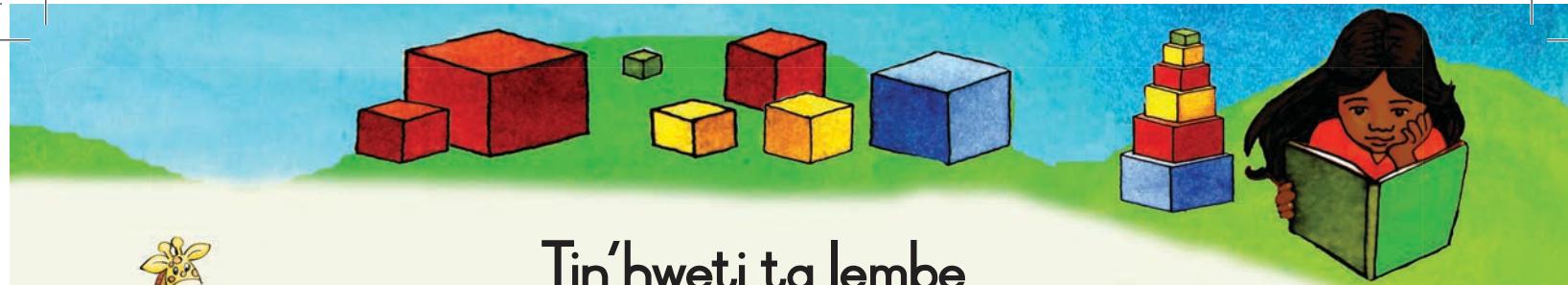


Xana ku na masiku mangani exikarhi ka:

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? \_\_\_\_\_



11

12

13

14

15

16

17

18

19

20

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	II	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? \_\_\_\_\_

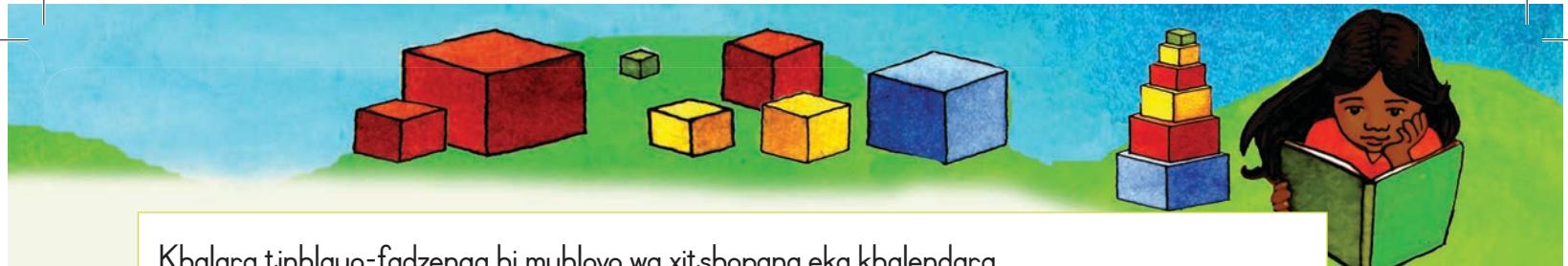
Xana vhiki ri na masiku mangani? \_\_\_\_\_

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



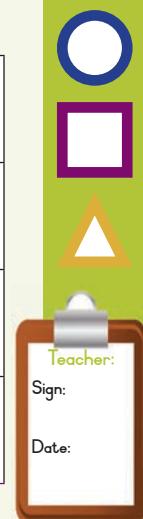
Xana i siku rihi naswona i ravungani?

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.

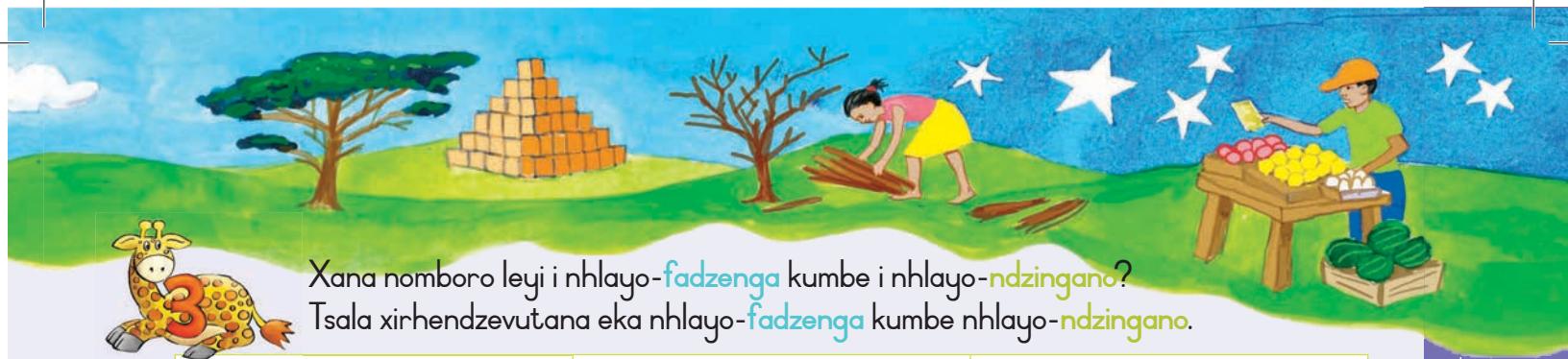
I01	I02	I03	I04	I05	I06	I07	I08	I09	I10
II1	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50

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	19	21
<b>fadzenga</b> ndzingano	<b>fadzenga</b> ndzingano	<b>fadzenga</b> ndzingano
26	20	18
<b>fadzenga</b> ndzingano	<b>fadzenga</b> ndzingano	<b>fadzenga</b> 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  
hla mula xivutiso.



Tsala tinomboro leti siyiweke ku hetisa patironi leyji vuyelelaka.

55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19,

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

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

60, 91, 94, 60, 91, 94, 60, 91, 94, 60,

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



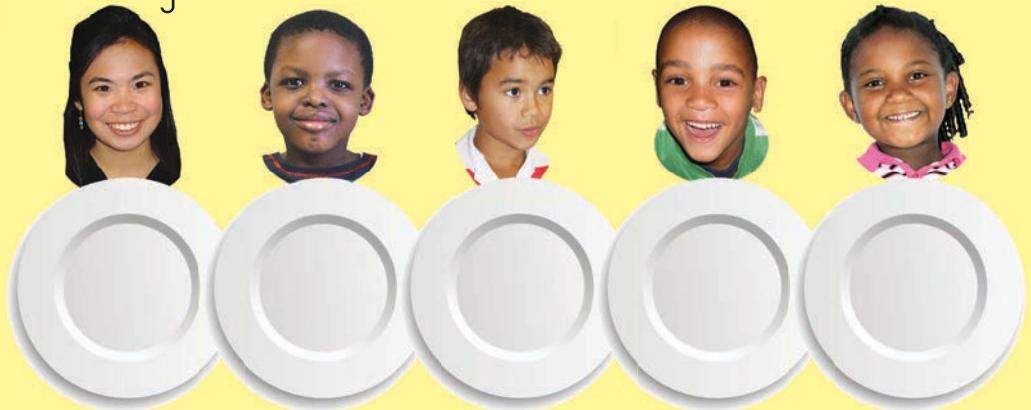
# Ku avelana ko ringana loku letelaka eka swiphemu

Siku:

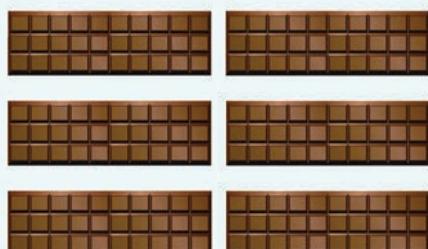
Kotara 4



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.



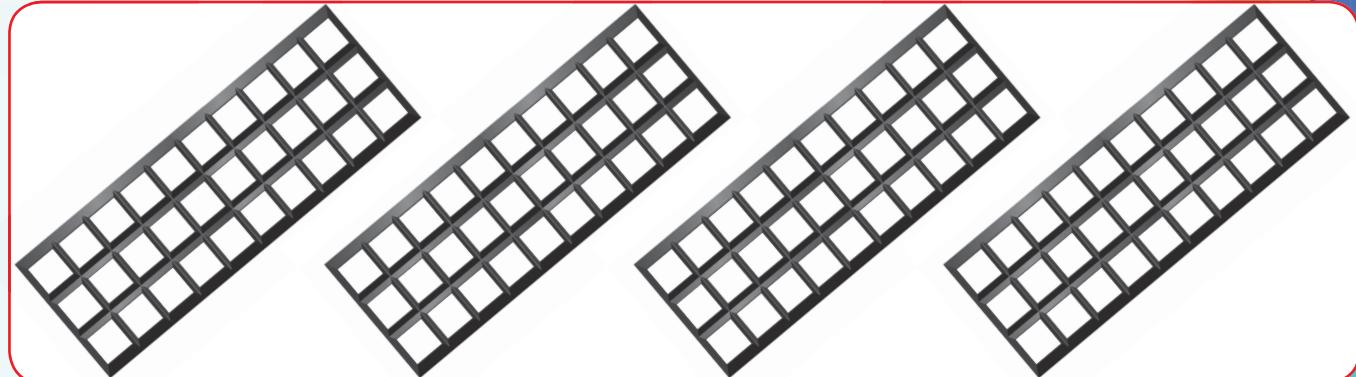
U na 3 wa makhekhe. Ya ave hi ku ringana exikarhi ka 4 wa vanghana.



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.



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

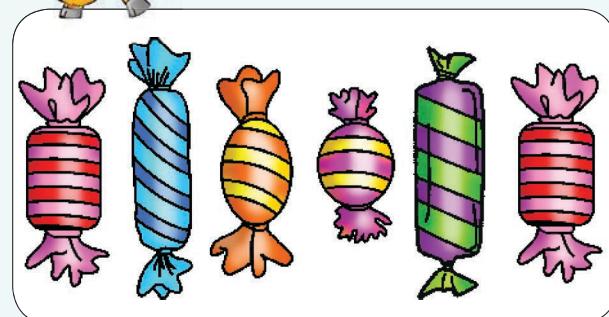
Khalara n'we-xa-ntlhanu xa chokoleti eka switina leswi swa mune? \_\_\_\_\_



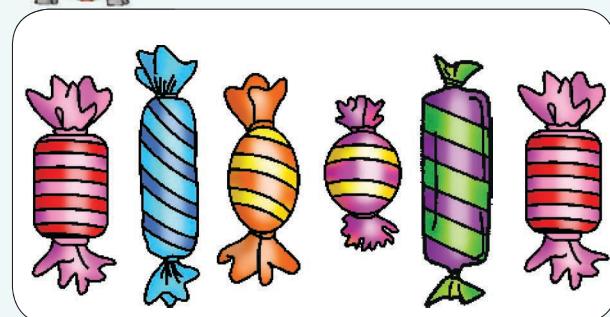
Kombisa hafu yin'we ya leswi landzelaka.



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.



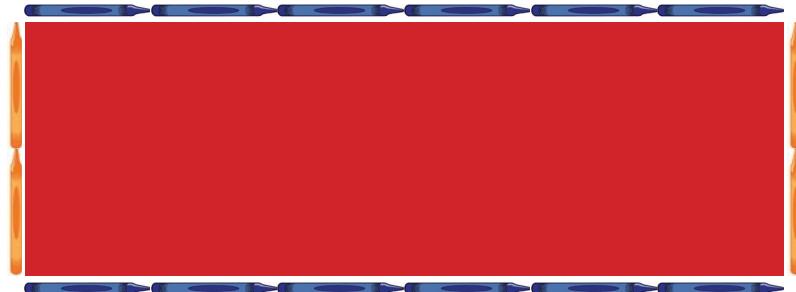
||q



Kotara 4

## Ku leha

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

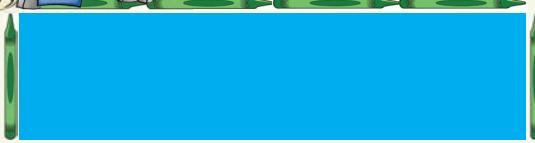


Tlhelo ro leha i tikhirayoni ta \_\_\_\_.

Tlhelo ro koma i tikhirayoni ti \_\_\_\_.

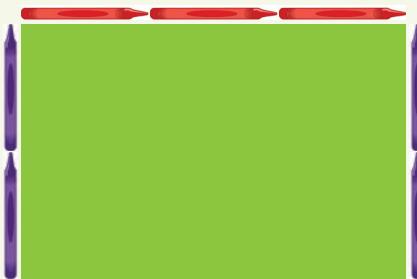


Hlamula leswi landzelaka.



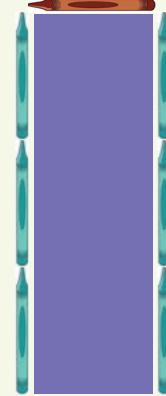
Tlhelo ro leha i tikhirayoni ta \_\_\_\_\_.

Tlhelo ro koma i tikhirayoni ta \_\_\_\_\_.



Tlhelo ro leha i tikhirayoni ta \_\_\_\_\_.

Tlhelo ro koma i tikhirayoni ta \_\_\_\_\_.



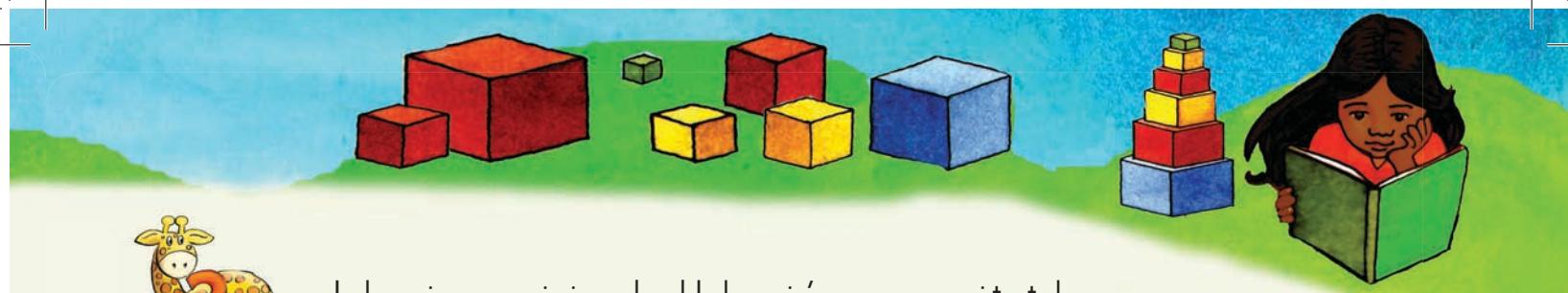
Tlhelo ro leha i tikhirayoni ta \_\_\_\_\_.

Tlhelo ro koma i tikhirayoni ta \_\_\_\_\_.

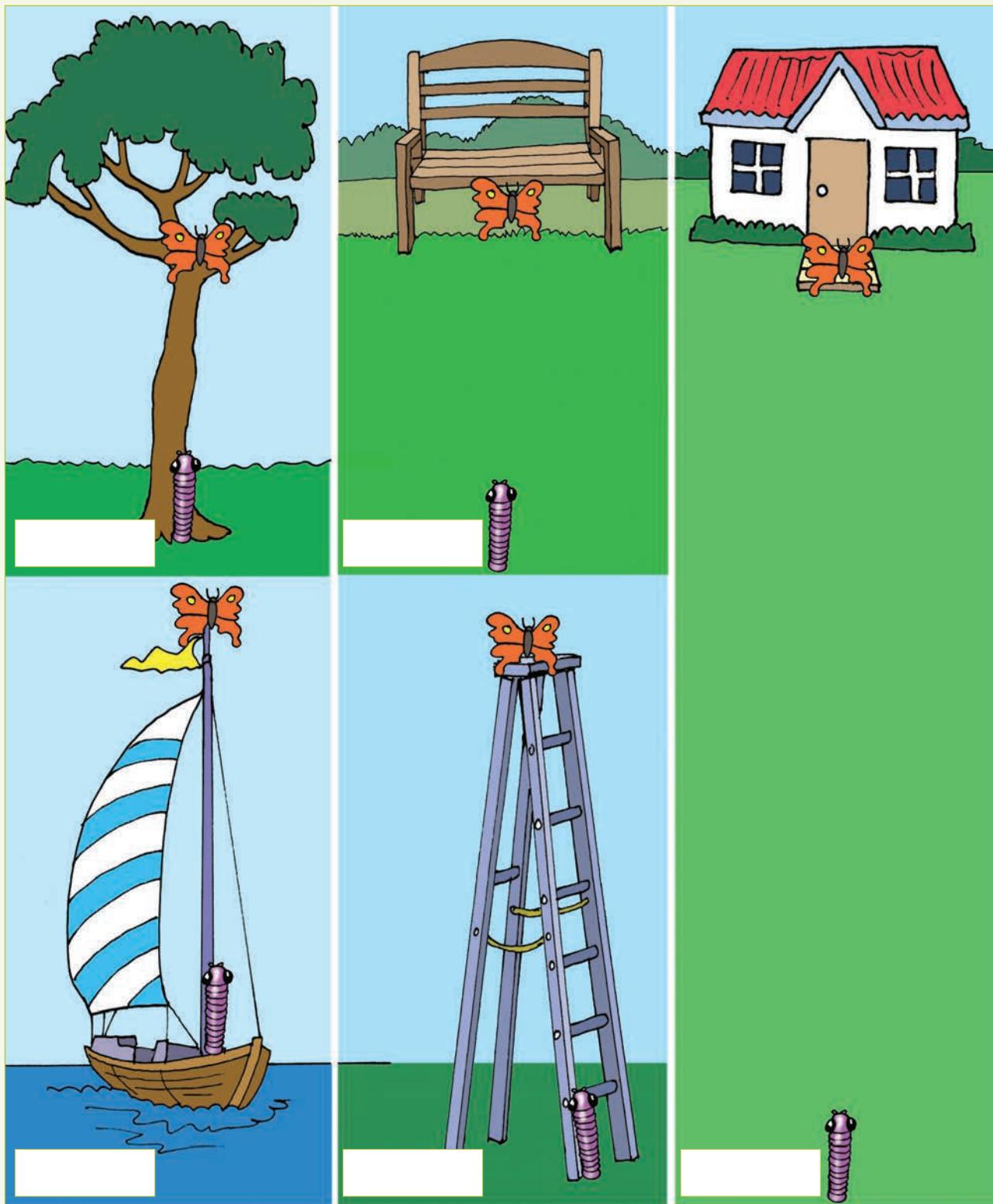


Tlhelo ro leha i tikhirayoni ta \_\_\_\_\_.

Tlhelo ro koma i tikhirayoni ta \_\_\_\_\_.



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



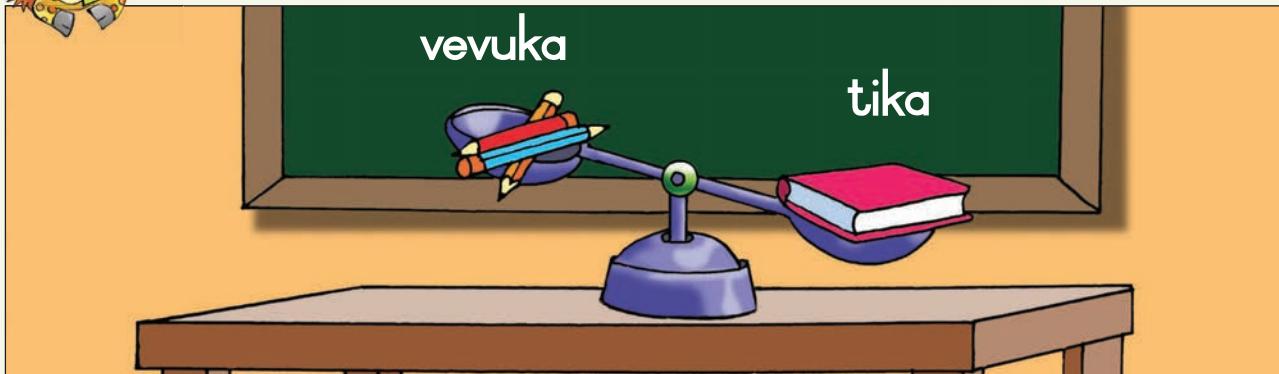


## Ku tika na ku vevuka

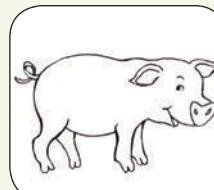
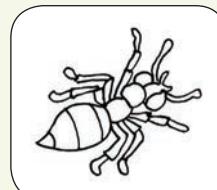
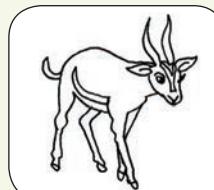
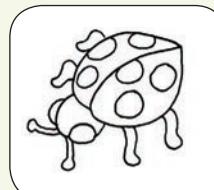
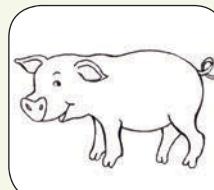
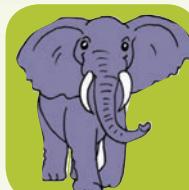
Kotara 4



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.

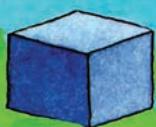
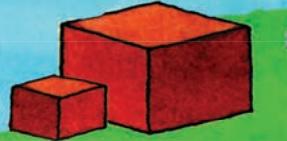


Languta xifaniso. Lava 2 wa swifaniso swa swilo swo vevuka. Swi namarhete laha.

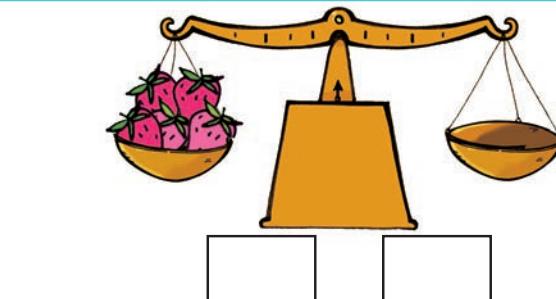
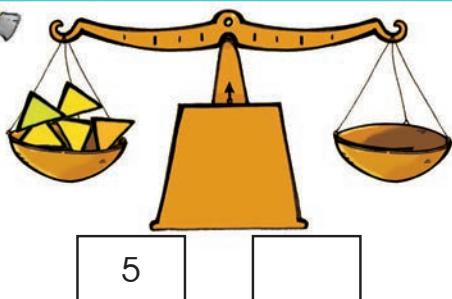




Vula loko swikaluu swa ndzinganiso swi ringana kumbe swi nga ringani.



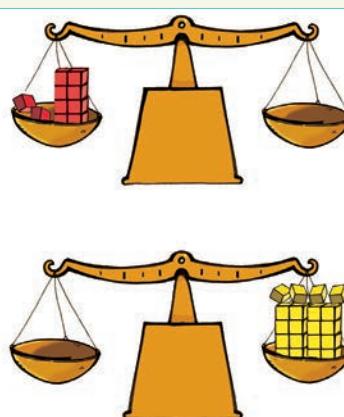
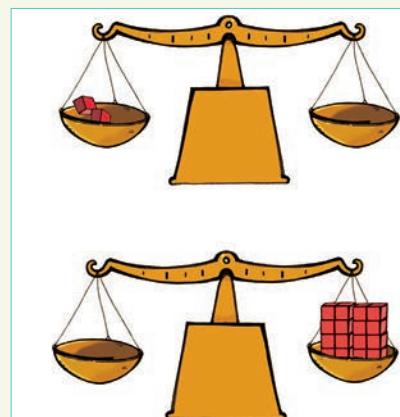
Endla leswaku xikaluu xa ndzinganiso xi ringana. Dirowa xifaniso eka swikaluu leswi nga riki na nchumu.



Dirowa swifaniso ku endla swikalo swi ringana.



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



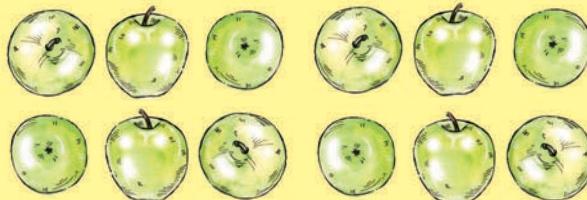
I2I

# Ku avelana kun wana loku letelaka eka swiphemu

Siku:

Kotara 4

Ava maapula lawa exikarhi ka vanghana vanharhu.



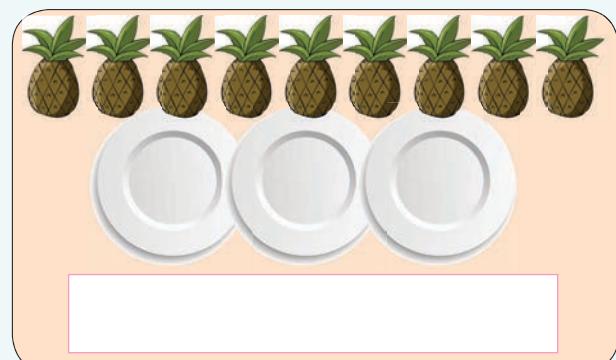
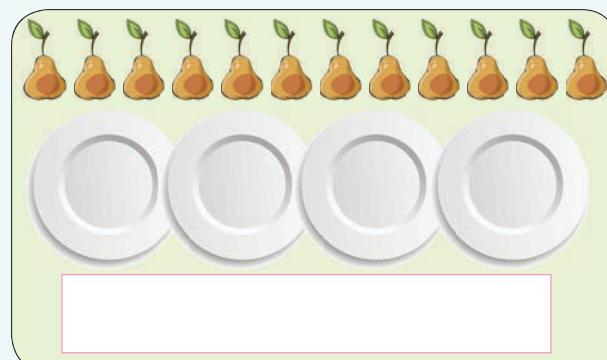
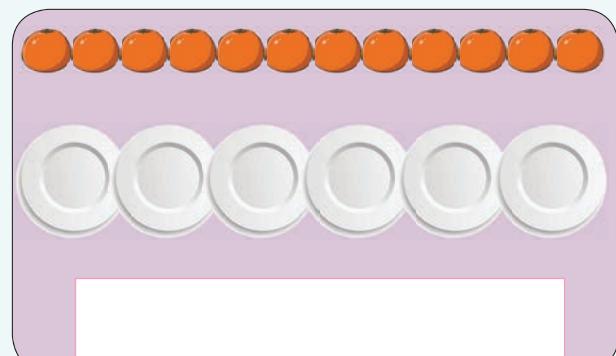
Un'wana na un'wana u kumile maapula  
mangan? Mune.

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

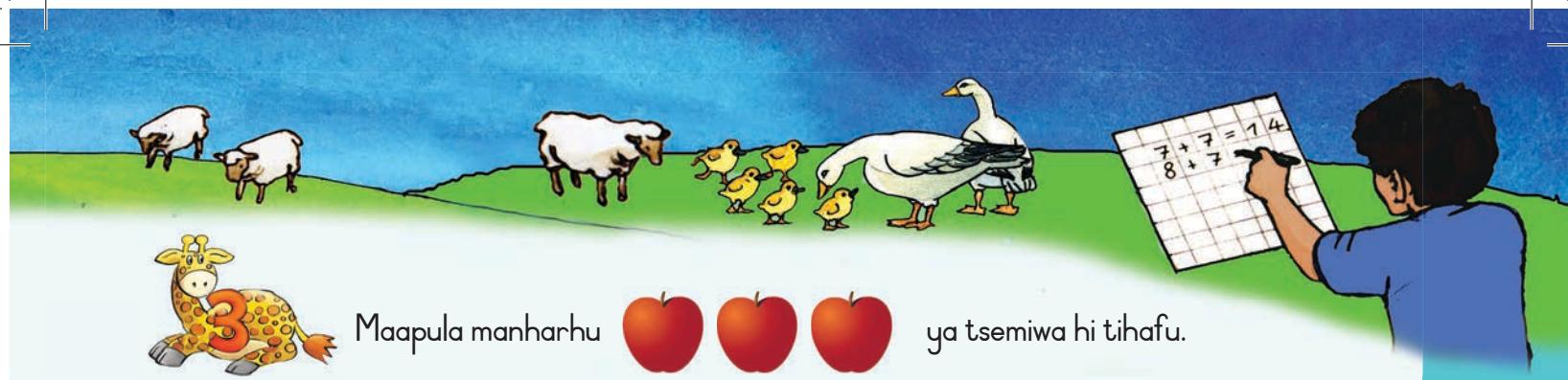


Languta xikombiso lexi nga laha henbla kutani u hetisa leswi landzelaka.

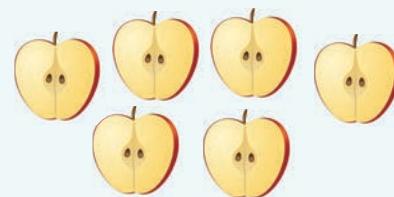
- Ava mihandzu exikarhi ka tinhlayo to hambana ta vanghana.
- Vula leswaku munghana un'wana na un'wana u kuma xiphemu muni.



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



I vana vangani lava nga ta kuma hafu? \_\_\_\_\_

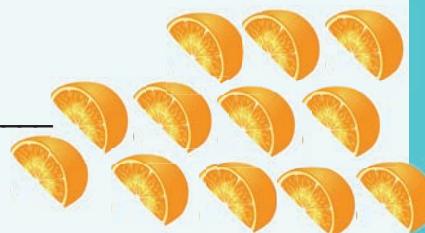


Malamula ya mune  
eka xa-nharhu.



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?

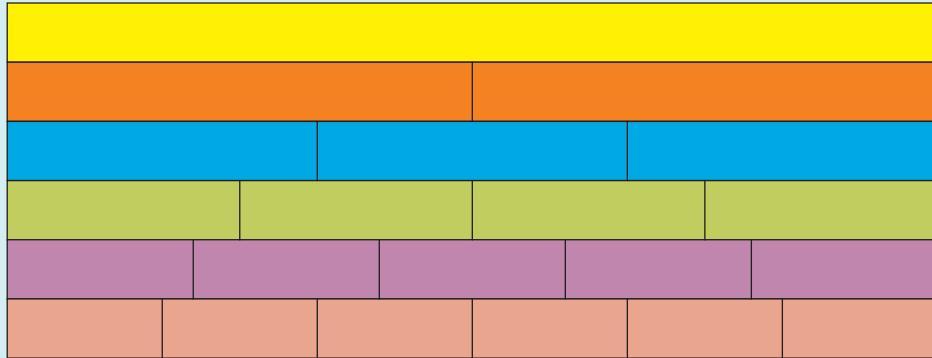




## Swiphemu

Siku:

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

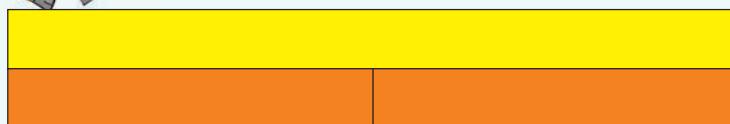
hafu yin'we

n'we-xa ntsevu

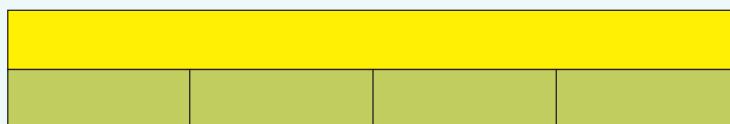
kotara yin'we



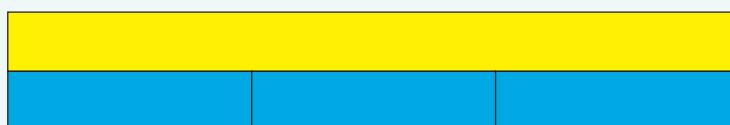
Hetisa leswi landzelaka.



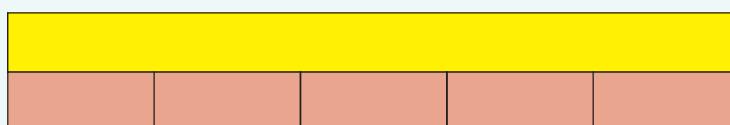
2 wa tihafu ti tanahi \_\_\_\_\_ xiheri.



4 wa tikotara ti tanahi \_\_\_\_\_ xiheri.



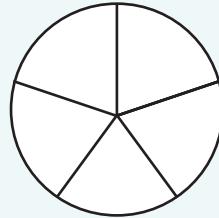
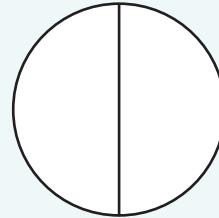
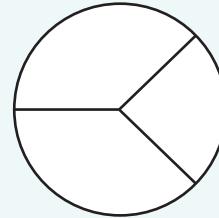
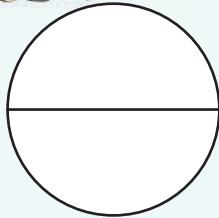
3 wa xa-nharhu swi tanahi \_\_\_\_\_ xiheri.

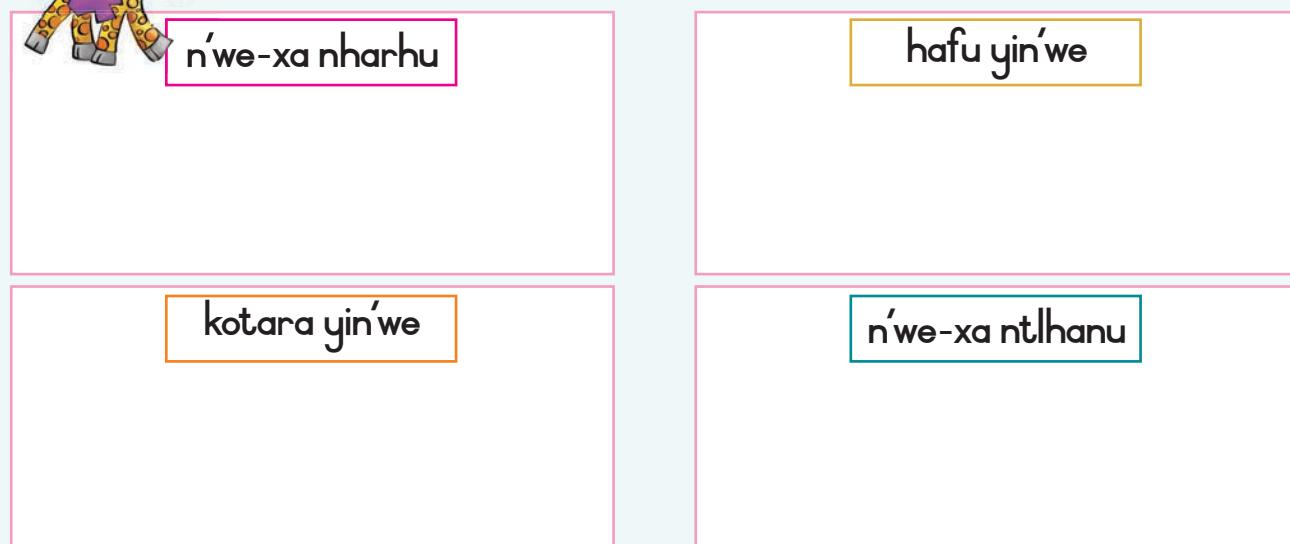
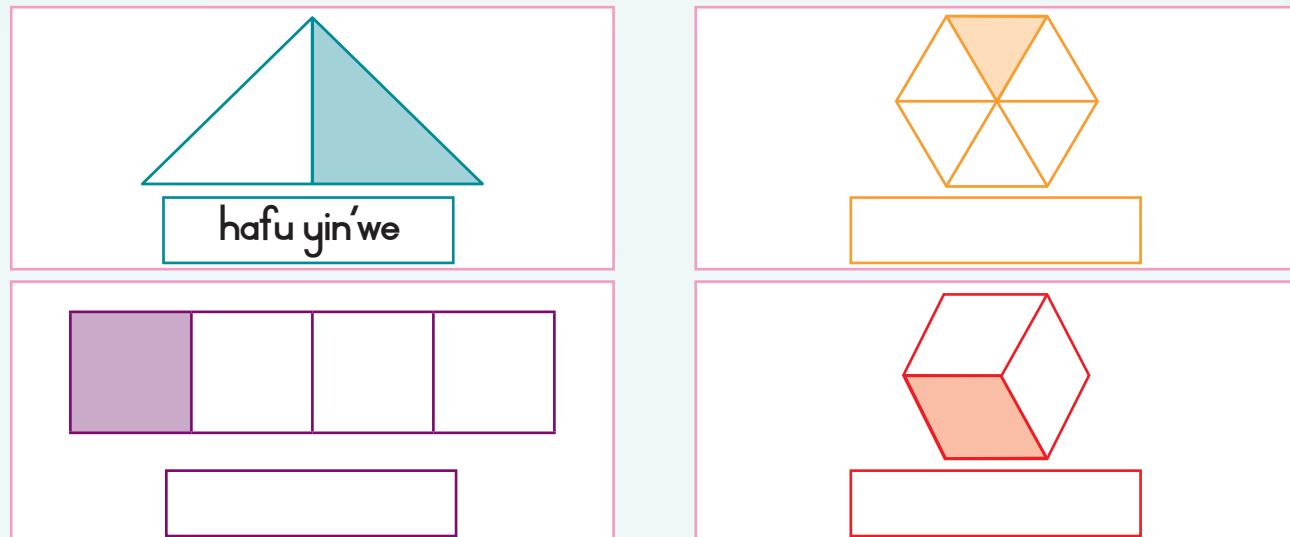


5 wa xa-ntłhanu swi tanahi \_\_\_\_\_ xiheri.



Khalara leswi landzelaka. Xana u lemuka yini?





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: \_\_\_\_\_





## Swiphemu swin'wana

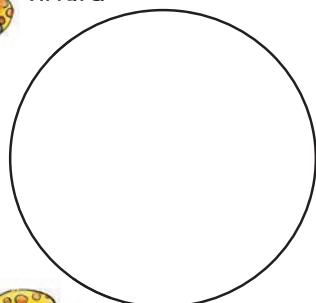
Kotara 4

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

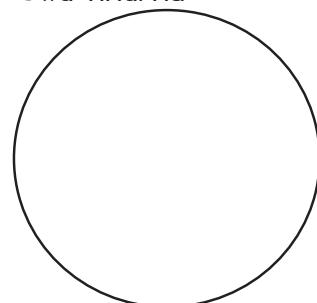


Munghana wa wena u kombela leswaku u avanyisa Pizza eka swiphemu leswi ringanaka. Dirowa u kombisa xin'wana na xin'wana.

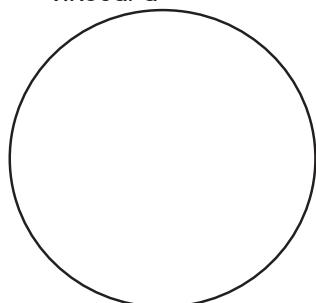
Tihafu



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

ntlhanu-xa-ntlhanu

nharhu-xa-ntlhanu

kotara yin'we

mun-e-xa-mune

mbirhi-xa-ntlhanu

ntlhanu-xa-ntlhanu

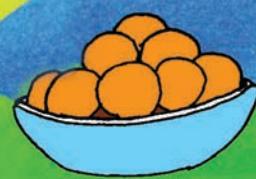
nharhu-xa-mune

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




Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

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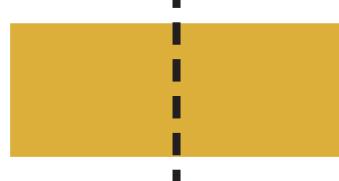
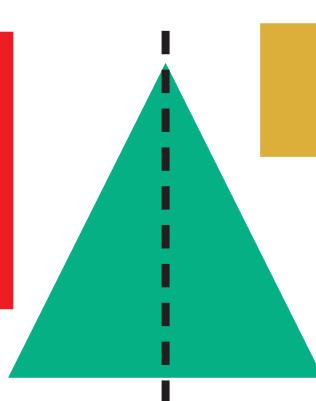
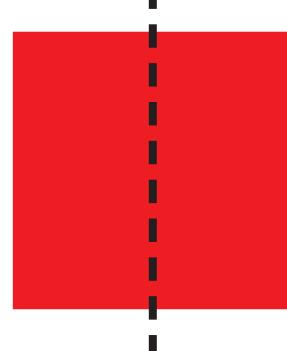
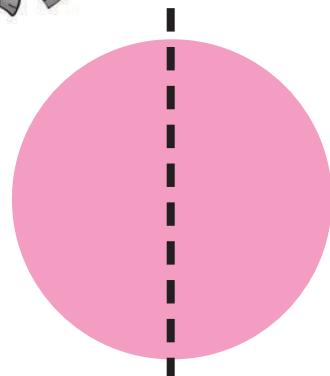


Kotara 4

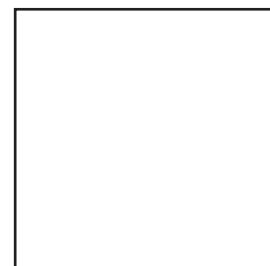
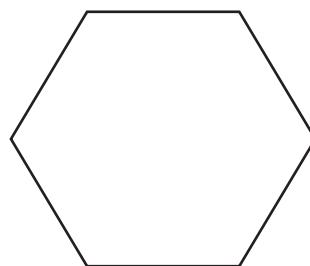
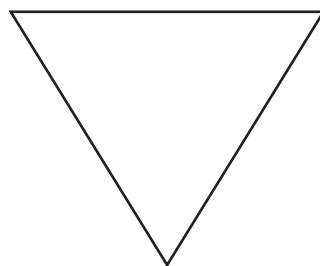
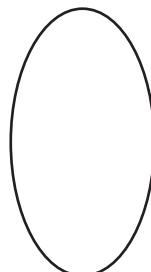
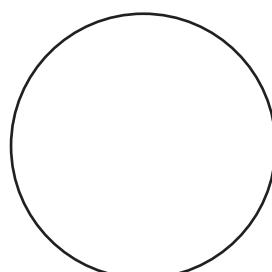
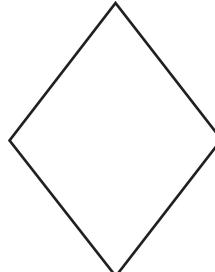
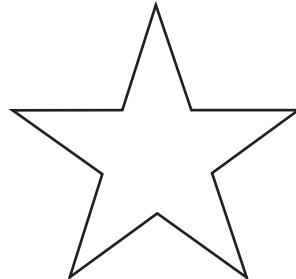
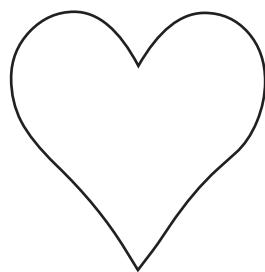


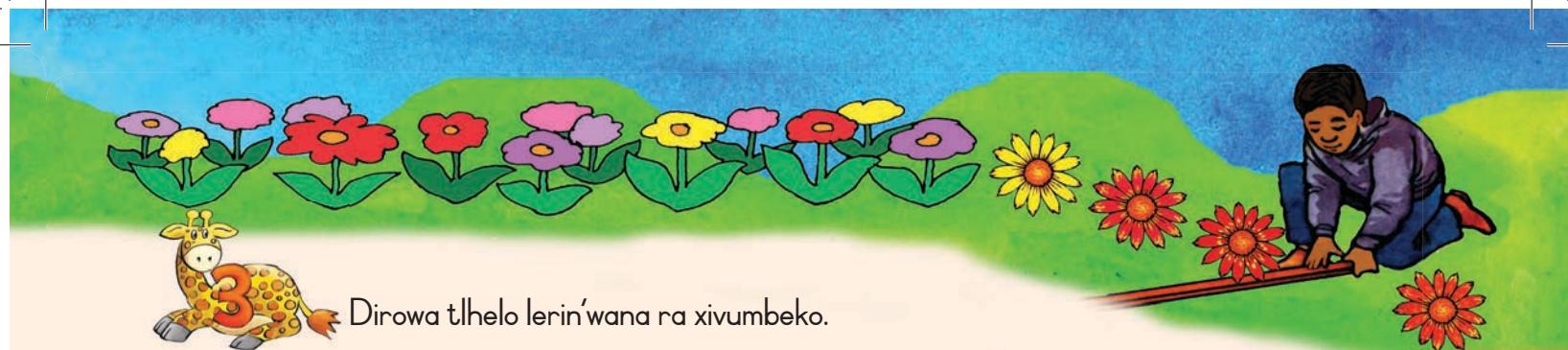
## Ku ringana ka swivumbeko

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

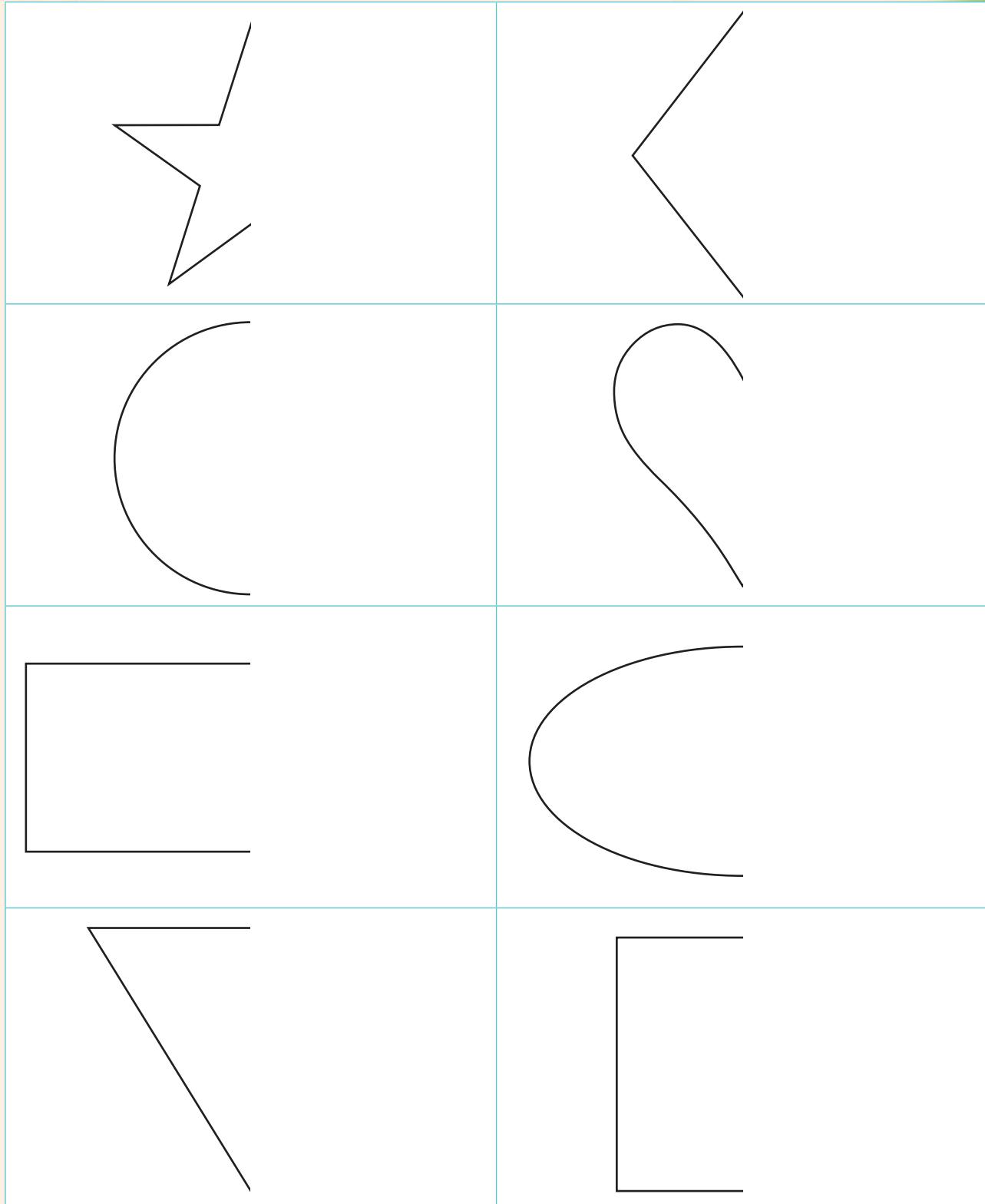


Dirowa ntila eka tlhelo rin'we ra xivumbeko leri fanaka na lerin'wana.





Dirowa tlhelo lerin'wana ra xivumbeko.





## Malongolokelo na swiphemu

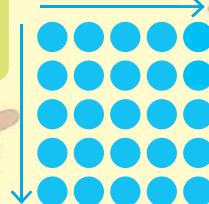
Kotara 4

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?

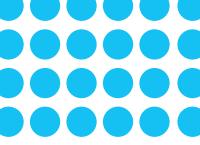


Xana ku na swivumbeko swingani? Xana hafu yin'we ya swivumbeko i yini?

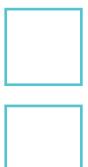
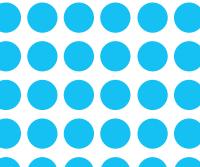
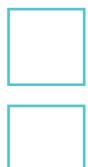
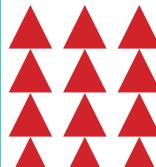
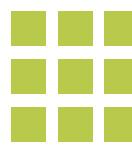


6

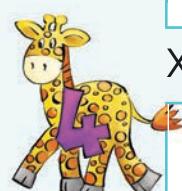
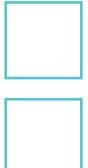
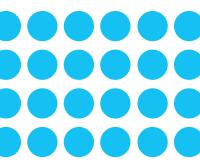
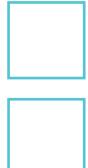
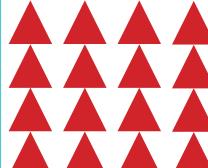
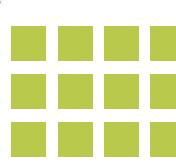
3



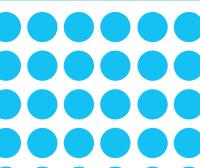
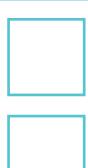
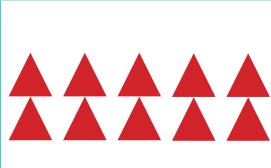
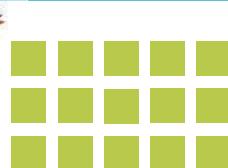
Xana ku na swivumbeko swingani? Xana n'we-xa-nharhu xa swivumbeko i yini?



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?
			kotara yin'we ya swilo?



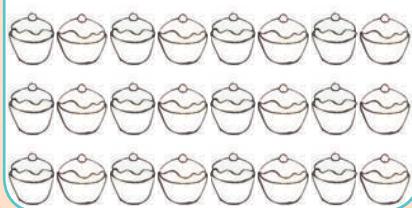
Tirhisa malongolokelo ku kombisa

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

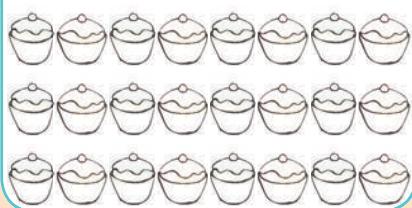
Manana u bakile 24 wa makhekhe ya swikhapana a bakela tindhawu ta vatirhi leti landzelaka.

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

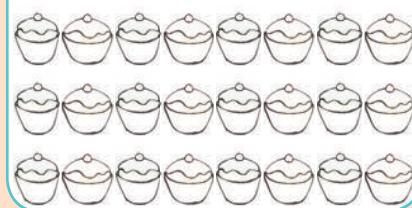
hafu yin'we ya switiroberi kasi leyji  
saleke hinkwayo i ya vhanila



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



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



Teacher:  
Sign:  
Date:

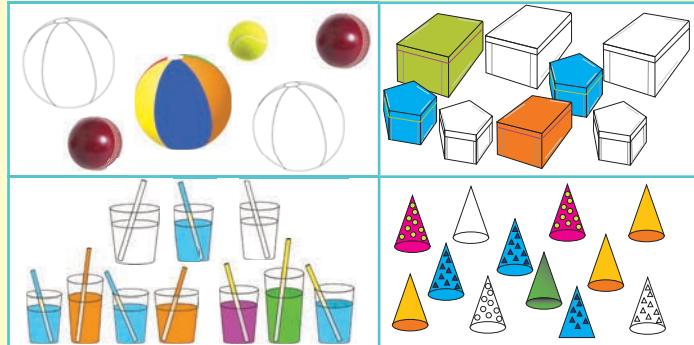


## Xiphemu xa swihlengeletiwa

Kotara 4

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.



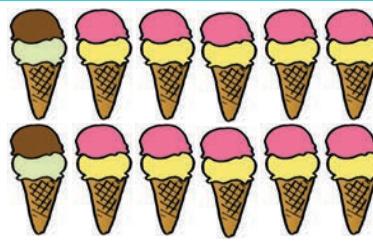
I-xa-nharhu ya swihlengeletiwa.

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.



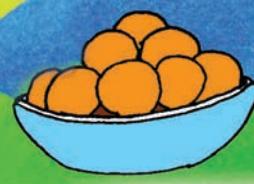
I xiphemu muni xa makhekhe ya swikhapano lexi nga totiwa hi chukela ra

banana?  Chukela ra switiroberi?

Chukela ra chungamu?



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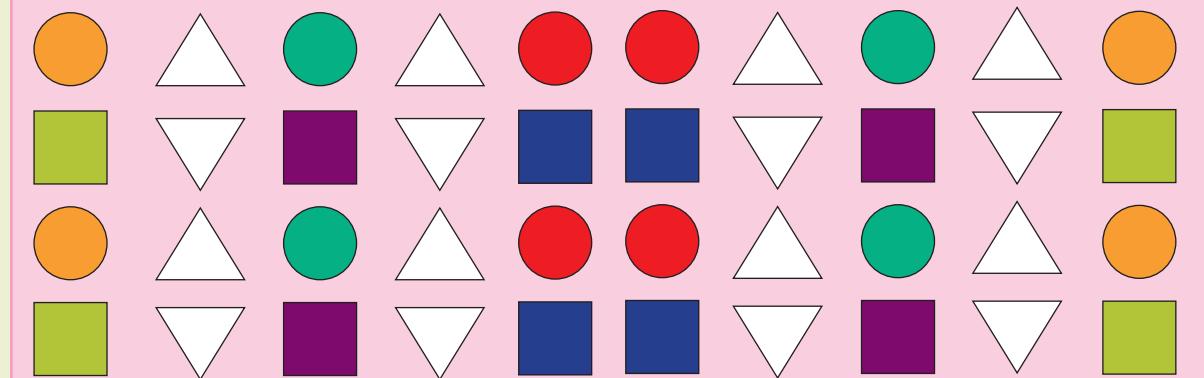
Siku:

## Ku ringana eka tipatironi

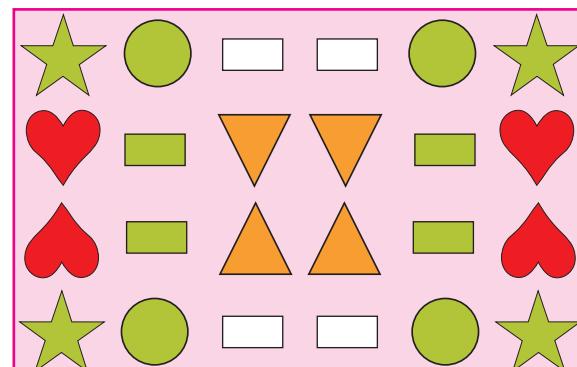
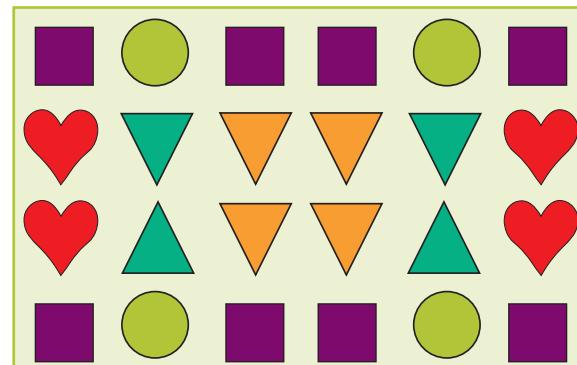
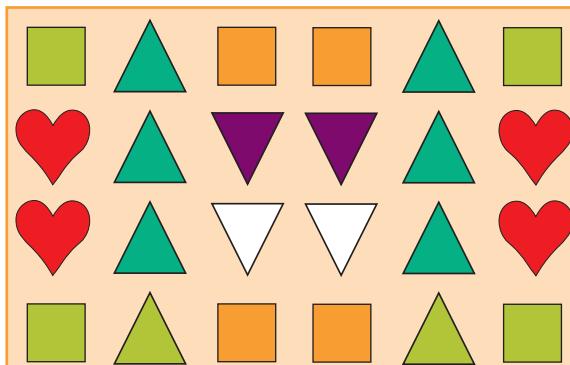
Kotara 4

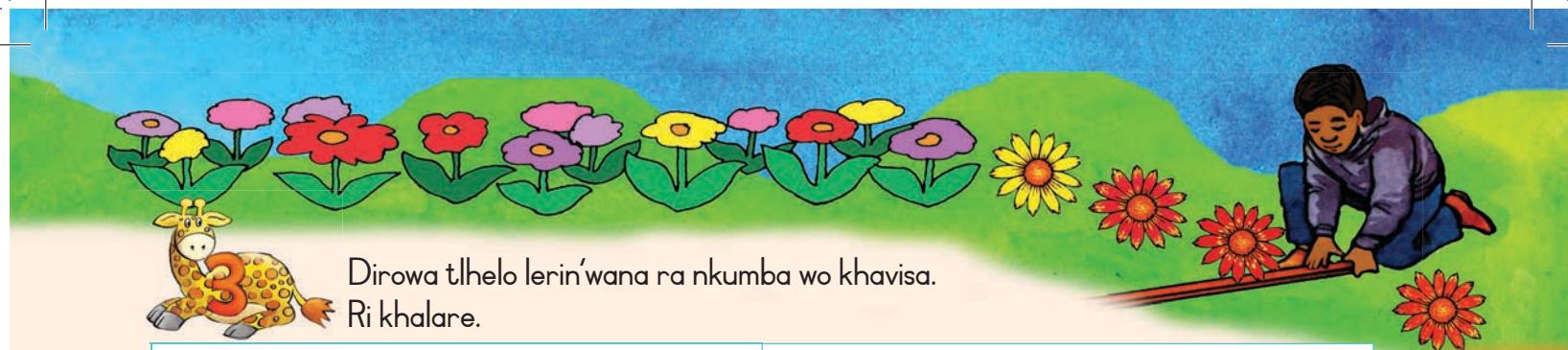


Languta swifaniso swa nkumba wo khavisa. Xana u vona yini?

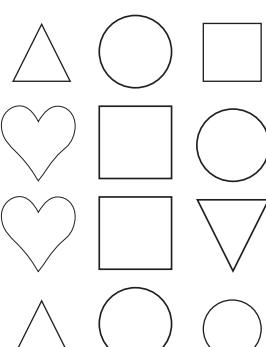
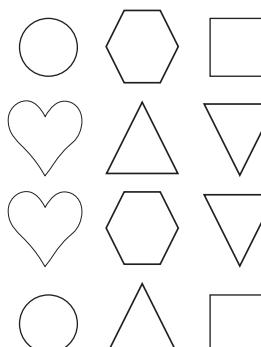
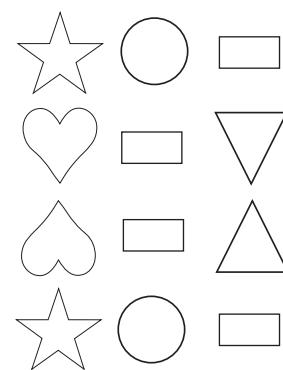
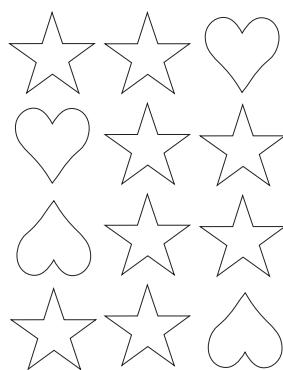
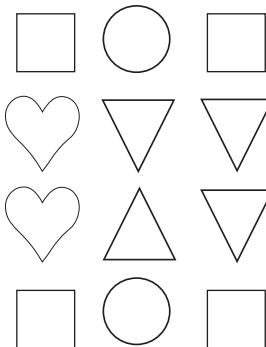
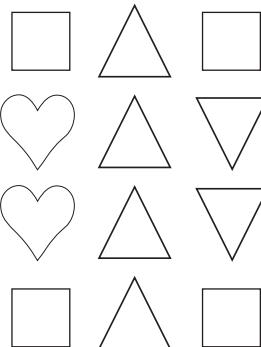


Dirowa mintila leswaku tlheloo ra nkumba wo khavisa ri fana na lerin' wana.

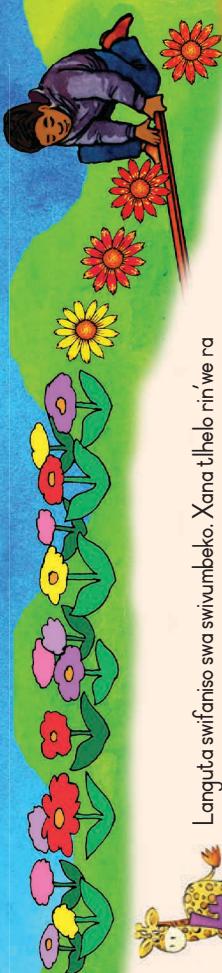




Dirowa tlhelo lerin'wana ra nkumba wo khavisa.  
Ri khalare.



Teacher:
Sign:
Date:



## Ndzingano wun'wana

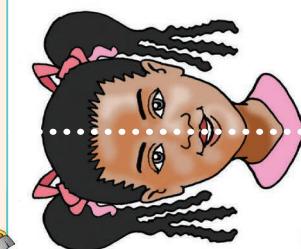
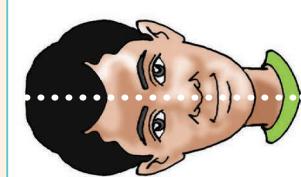
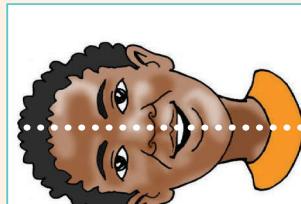
Langata swikanda leswi nga esufanisweni.  
Xana tilheloo rin'we ra xikandza ra fana na leri'n'wana?

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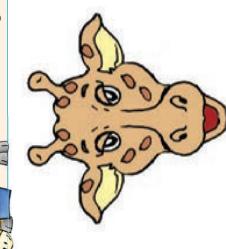
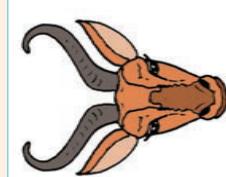
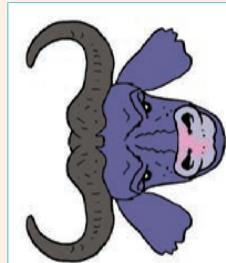
Kotara L



Sku:



Dirowa tilheloo etka tilheloo rin'we ra xikandza leri fandaka na leri'n'wana.

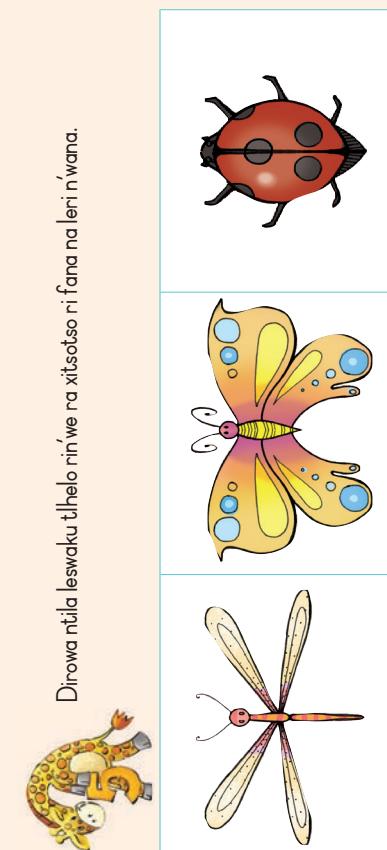


Dirowa tilheloo leri'n'wana ra xikandza.  
Tipatironi ta tuinomboro ti ku pfuna.

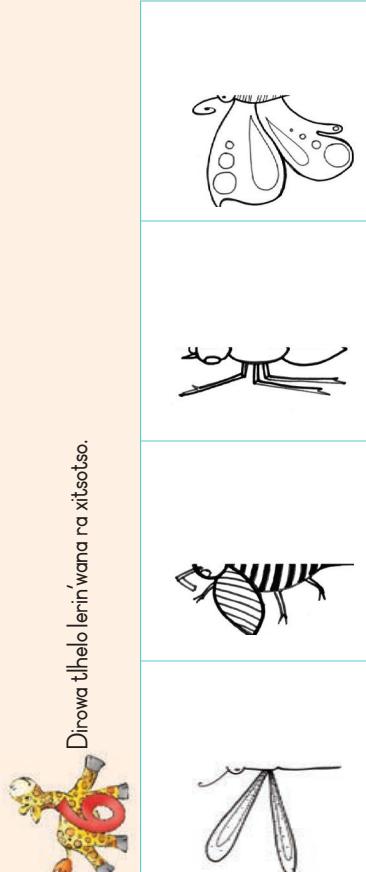


Langata swifaniso swa swivumbeko. Xana tilheloo rin'we ra  
xitsoso ra fana na leri'n'wana?

Dirowa ntla leswaku tilheloo rin'we ra xitsoso ni fana na leri'n'wana.



Dirowa tilheloo leri'n'wana ra xitsoso.



12 13 14 15 16 17 18 19 20