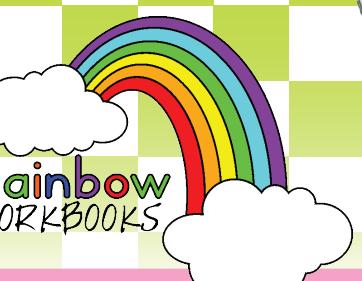


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MATHEMATICS IN XITSONGA
GRADE 2 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0146-5

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1 2 3 4

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

Lemuka matimu ya hina.

Hi nga vu yeleti swihoxo swa nkarhi lowu nga hundza.

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

Hina, vanhu va Afrika-Dzonga,
Hi lemuka ku kala vululami ka nkarhi lowu hundzeke evuton'wini bya hina;
Hi xixima lava va xanisekeke hikwalaho ko hisekela vululami na ntshunxeko etikweni rerhu;
Hi hlonipha lava va tirheke ku aka no hluvukisa tiko ra hina; naswona
Hi tshemba leswaku Afrika-Dzonga i ra hinkwavo lava tshamaka eka rona, hi hlanganile hi ku hambana-hambana ka hina.



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

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

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

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

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

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

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

Xikwembu a xi sirhelele vanhu va hina.
Nkosi Sikele' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

MATEMATIKI HI XITSONGA – Giredi ya 2 Buku ya 2

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Buku ya 2
Tikotara ta
3 na 4

Giredi ya 2

MATEMATIKI HI XITSONGA

Leswi nga endzeni



Nomboro	Nhlokomhaka	Pheji
65	Tinomboro ta 50 – 99	2
66	Tinomboro ta 100 – 150	4
67	Ku tala, hafu na ku va hava nchumu	6
68	Vuenti byin'wana	8
69	Tinomboro ta 150 – 170	10
70	Ku hlayela na ku pimanyeta (0 – 100)	12
71	Switiviwa swin'wana	14
72	Ku hlanganisa 0 – 50	16
73	Ku hlanganisa 0 – 75	18
74	Ku hlanganisa no susa: 0 – 75	20
75	Tibolo, mabokisi na tisilindara	22
76	Rhetisa, khunguluxa no aka hi swilo swa 3 wa matlhelo	24
77	Ku hlanganisa no susa kun'wana 0 – 75	26
78	Mali yin'wana	28
79	Mali ya phepha yin'wana	30
80	Tipatironi ta nkarhi	32
81a	Tiawara na timinete	34
81b	Timinete na tiawara	36
82	Ku hlanganisa ko vuyeleriwa	38
83	Andzisa hi 5	40
84	Andzisa hi 2	42
85a	Ku hundzile kotara	44
85b	Nkarhi wa hundza	46
86	Mbirihata	48
87	Ku andzisa kambirhi ni ku hafula	50
88	Ku andzisa kun'wana	52
89	Tipatironi ta tinomboro	54
90	Swiphemu – tihafu	56
91	Swiphemu – tihafu tin'wana	58
92	Ndhawu na matlhelo	60
93	Switiviwa swin'wana swo tala	62
94a	Swiphemu – tikotara	64
94b	Swiphemu – tikotara tin'wana	66
95	Tipatironi ta tinomboro ta swivumbeko	68
96	Ku hlawula switiviwa	70

Nomboro	Nhlokomhaka	Pheji
97	Tinomboro ta 150 – 180	72
98	Tinomboro ta 170 – 200	74
99	Swivumbeko swa 2 wa matlhelo	76
100	Tinomboro ta 0 – 200	78
101	Ku hlanganisa na ku susa	80
102	Ku hlanganisa na ku susa nakambe	82
103	Tipatironi ta swivumbeko	84
104	Ku hlanganisa na ku susa kun'wana	86
105	Ku hlanganisa na ku susa kun'wana nakambe	88
106	Swilo swa 3 wa matlhelo	90
107	Switiviwa swin'wana swo tala	92
108	Ku hlayela mali	94
109	Ololoxa swiphigo swa mali	96
110	Ku vumba nt lava na ku avela	98
111	Vuenti byin'wana	100
112	Tipatironi ta tinomboro	102
113	Andzisa hi 3	104
114	Ku andzisa kun'wana	106
115	Ku andzisa kun'wana	108
116a	Masiku ya vhiki	110
116b	Masiku, mavhiki na tin'hweti	112
117	Tipatironi ta tinomboro tin'wana	114
118	Ku avelana ko ringana loku letelaka eka swiphemu	116
119	Ku leha	118
120	Ku tika na ku vevuka	120
121	Ku avelana kun'wana loku letelaka eka swiphemu	122
122	Swiphemu	124
123	Swiphemu swin'wana	126
124	Ku ringana ka swivumbeko	128
125	Malongolokelo na swiphemu	130
126	Xiphemu xa swihlegetiwa	132
127	Ku ringana eka tipatironi	134
128	Ndzingano wun'wana	136



Manana Angie
Motshekga, Holobye wa
Dyondzo ya Masungulo



Nkulukumba Enver Surty,
Xandla xa Holobye wa
Dyondzo ya Masungulo

Tibuku leti to tirthela 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 tirthela ta Rainbow ti vumba xiyenge xin'wana xa nt lava wa mgingiriko ya Ndzwulo ya Dyondzo ya Masungulo leyi kongomisiweke eka ku antswisa matirhelo ya vadyondzi va Vaafrika-Dzonga eka tigiredi ta ntsevu to sungula. Tanihi xin'wana xa swilo leswi nga swirhangana eka nkunguhato wa matirhelo ya mfumo, phurojeke leyi yi humelerile hi ku seketeriwa hi timali hi Nkwama wa Timali ta Tiko. Leswi swi endlile leswaku Ndzwulo yi swi kota ku endla leswaku tibuku leti to tirthela, 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 tirthela.



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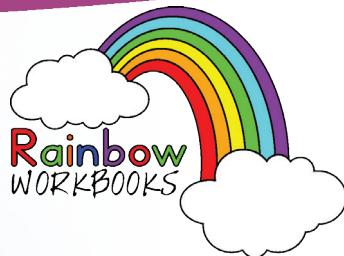
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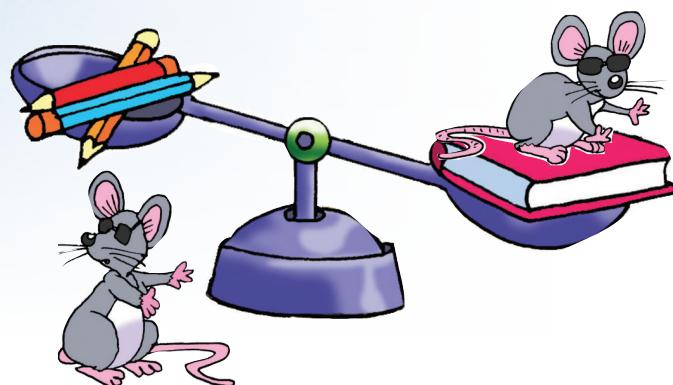
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Giredi 2



M a t e m a t i k i

Buku leyti ya:



XITSONGA

Buku ya

2

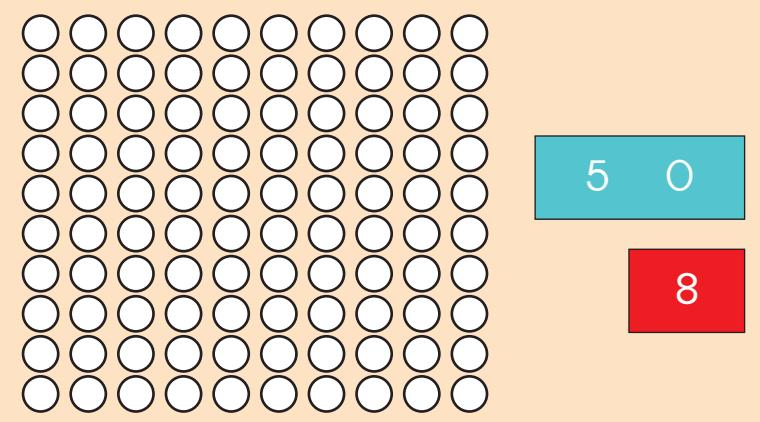
65



Tinomboro ta 50 – qq

Kotara 3

Khalara 58 wa swirhendzevutana.



Tsala nhlamlulo. Xikombiso xo sungula xi ta ku letela.

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



Tsala tinhlamulo ta leswi nga laha henhla hi marito:

makumentsevu nhungu

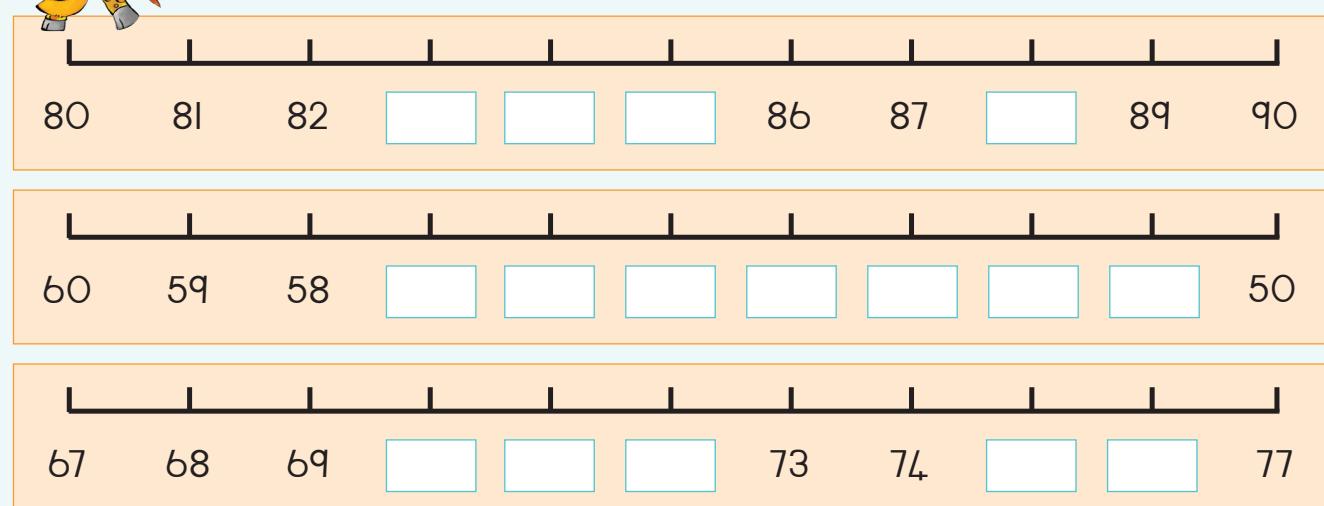


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.

Letitsongo	Nomboro	Letikulu
	55	
	63	
	88	
	95	
	71	



Hetisa mindzhati leyi ya mintsengo.



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



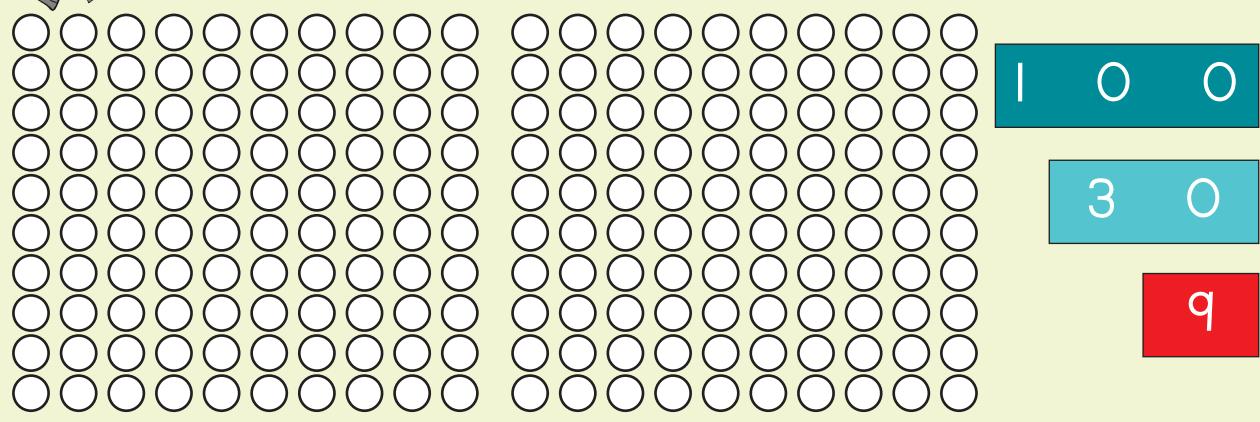
66



Tinomboro ta 100 – 150

Khalara 139 wa swirhendzevutana.

Kotara 3



Tsala nomboro ya:

<p>1 0 0 2 0 8</p> <p>$100 + 20 + 8$ = 128</p> 	<p>1 0 0 4 0 q</p> <p>=</p>	<p>1 0 0 4 0 2</p> <p>=</p>
<p>1 0 0 5 0</p> <p>=</p>	<p>1 0 0 2 0 7</p> <p>=</p>	<p>1 0 0 3 0 5</p> <p>=</p>



Hi yihi nomboro leyi nghenaka exikarhi?

4

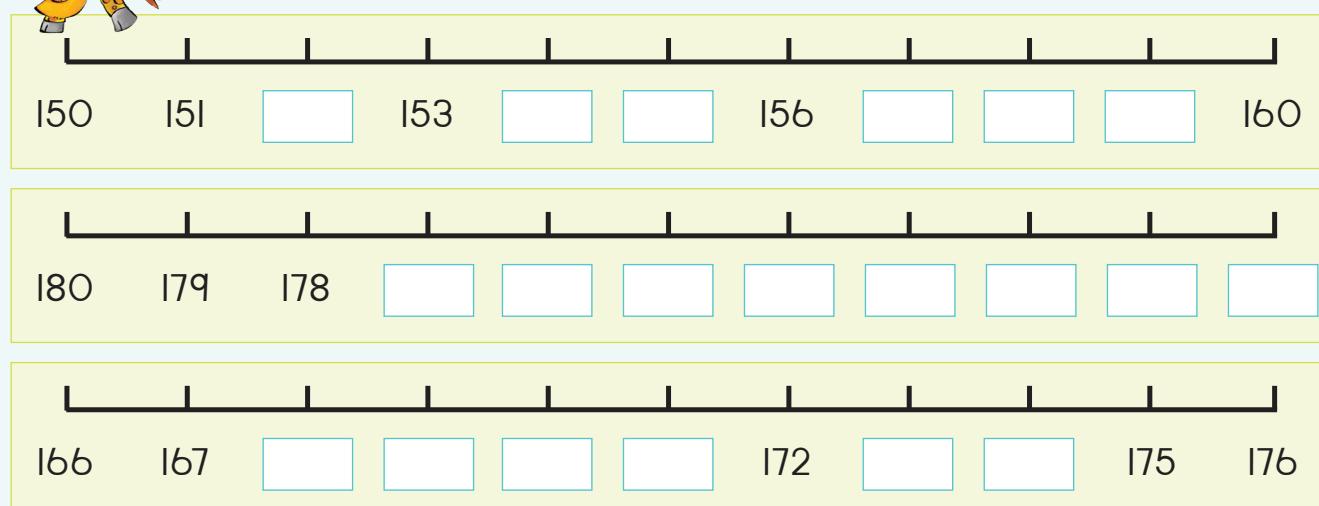
1 2 3 4 5 6 7 8 9 10



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.



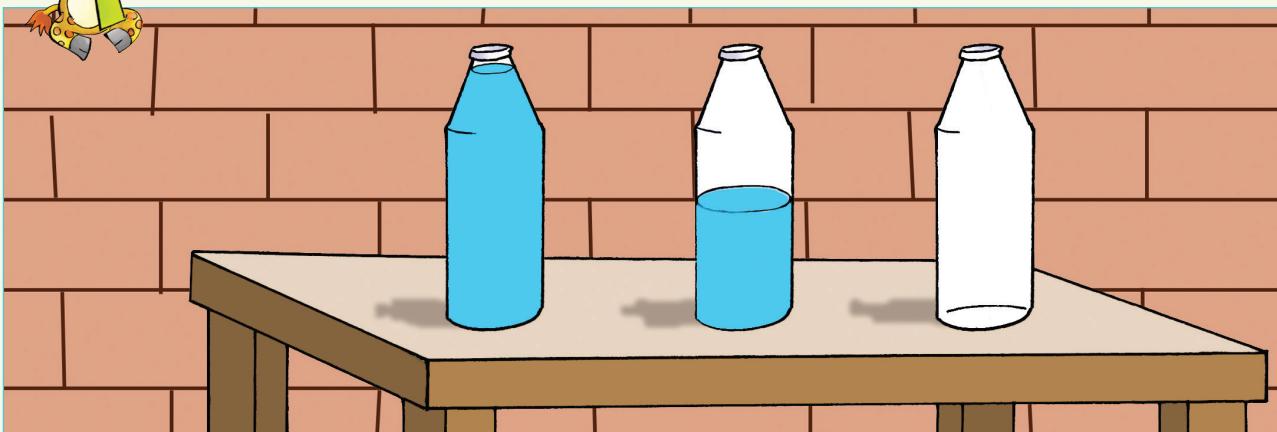
Teacher: _____
Sign: _____
Date: _____

67

Ku tala, hafu na ku va hava nchumu

Kotara 3

Bula hi mabodhlela lawa ya nga eka tafula ra mudyondzisi.

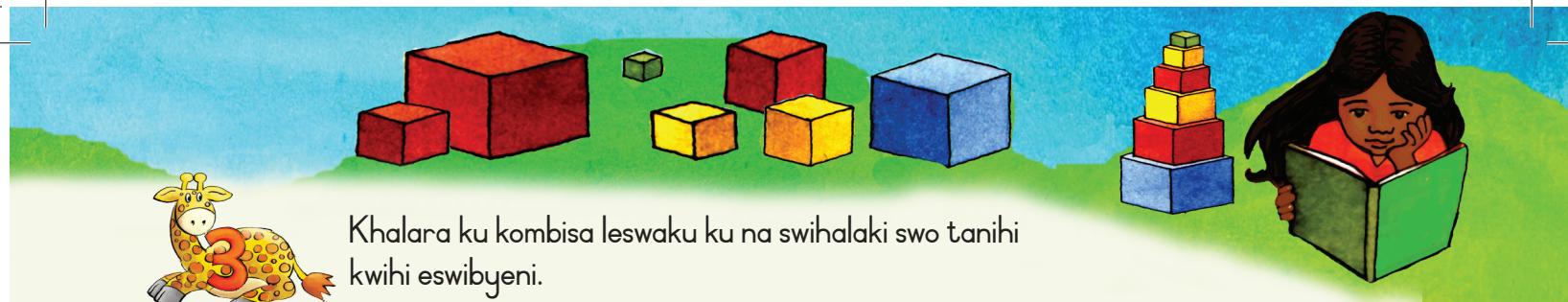


Vula loko xibye xi tele, xi ri hafu kumbe loko xi nga ri na nchumu.



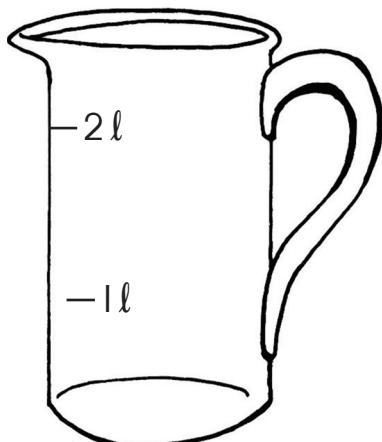
6

1 2 3 4 5 6 7 8 9 10

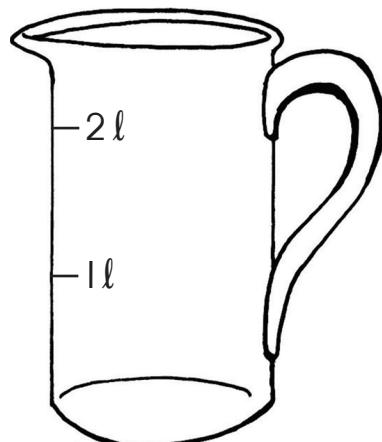


Khalara ku kombisa leswaku ku na swihalaki swo tanihi
kwihi eswibyeni.

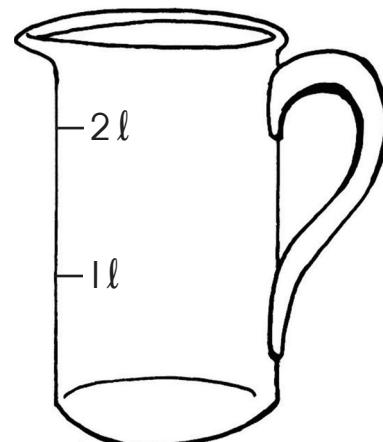
A ku na nchumu.



Ntalo wa le xikarhi.



Xi tele.



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

A ku na nchumu.

Ntalo wa le xikarhi.

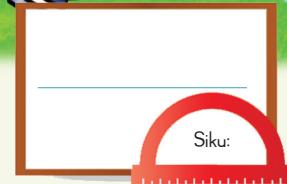
Xi tele.



Hi xihi xibye lexi khomaka swo
tala ngopfu?



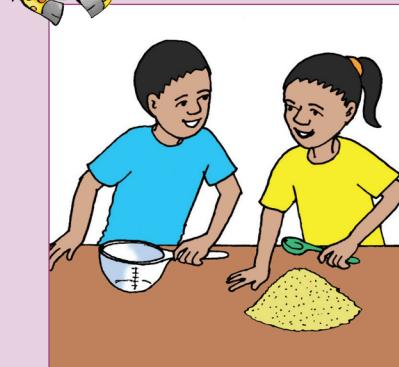
68



Kotara 3



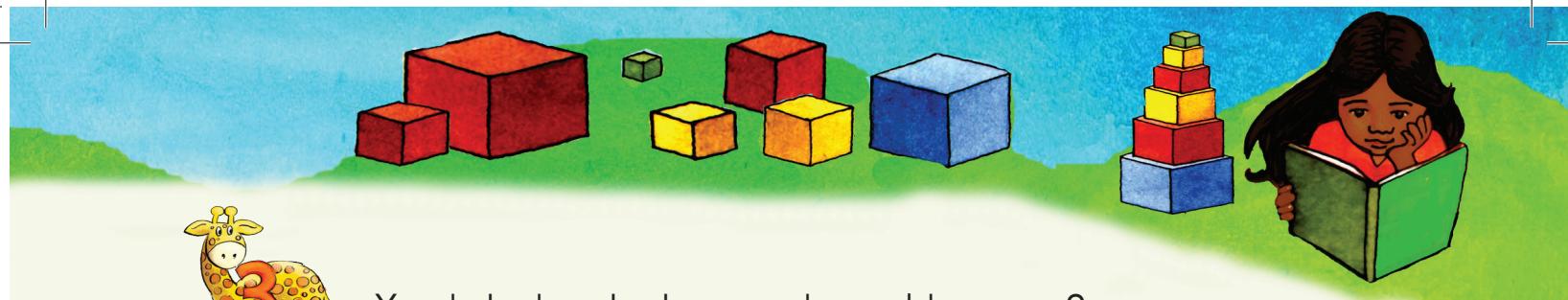
Languta xifaniso. Xana vana va endla yini?



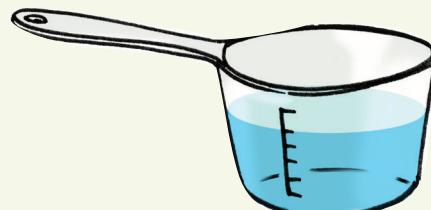
Ku laveka tikhapu ta mati tingani ku tata tijeke leti landzelaka?

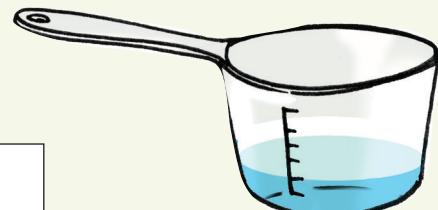
Xilepulana xin'we xi
tata khabu ku
fika laha.

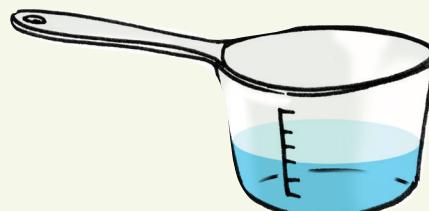


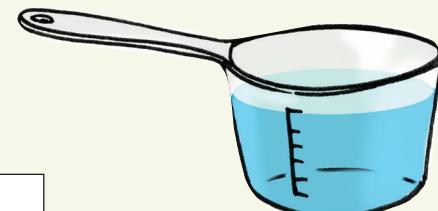


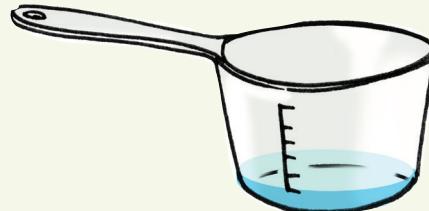
Xana ku laveka malepula mangani ku tata bikiri ro pima?

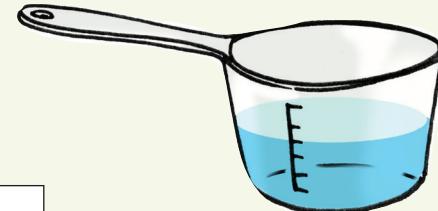










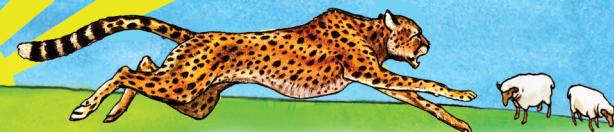




Kokwana u tirhisa 2 wa tikhapu ta masi ku endla phudini. Loko a andzisa rhesipi kambirhi, xana u ta tirhisa masi yo tanahi kwihi?



69

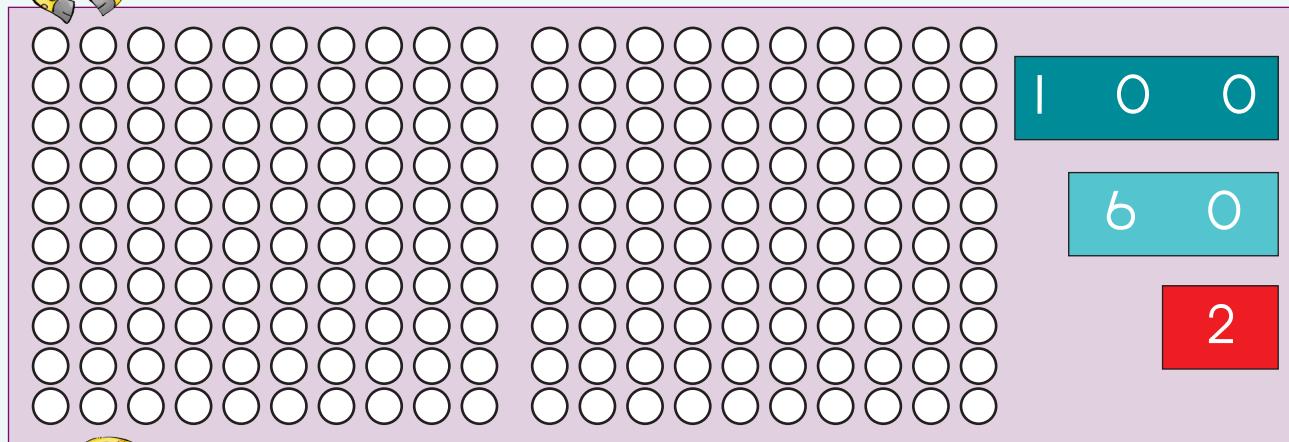


Tinomboro ta |50 – |70

Kotara 3



Khalara |62 wa swirhendzevutana.



Tsala nomboro ya:

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



Hi yihi nomboro leyi nghenaka exikarhi:

|50 na |55 _____

|58 na |62 _____

|70 na |65 _____

|63 na |67 _____

|72 na |66 _____

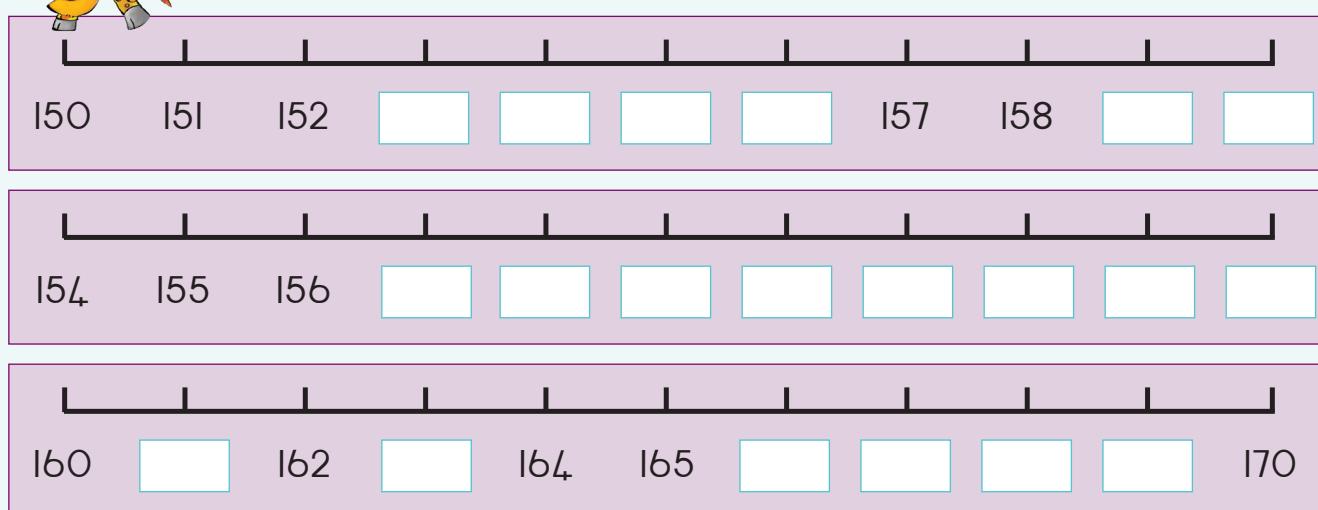


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu
eka nomboro leyi nyikiweke.

Letitsongo	Nomboro	Letikulu
	155	
	168	
	151	
	162	
	160	



Hetisa mindzhati ya mintsengo.



Tsema tinomboro tinharu ta le xikarhi ka 150 na 170 eka magazini kumbe phephahungu. Ti namarhete hi ndzandzelelano wo suka eka leyikulu swinene ku ya eka leyitsongo swinene.



Teacher: _____

Sign: _____

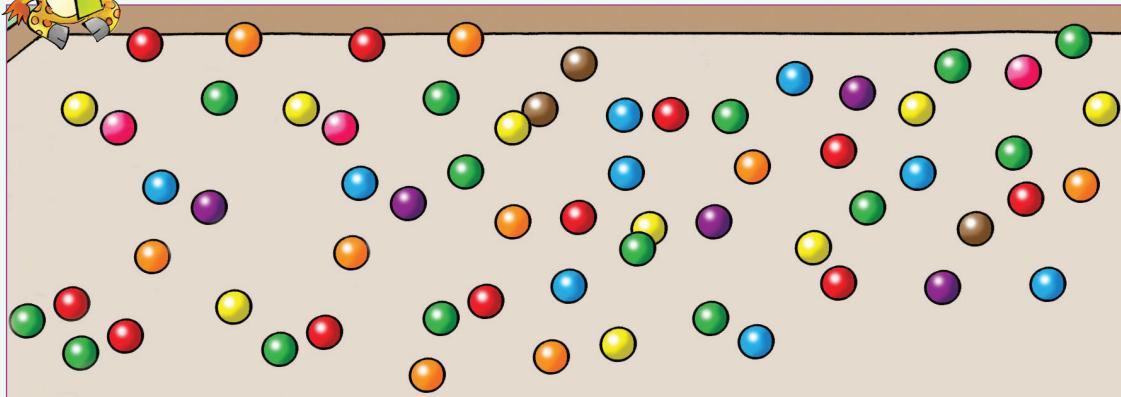
Date: _____

70

Ku hlayela na ku pimanyeta (0 – 100)

Kotara 3

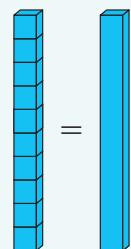
Pimanyeta kutani u hlayela vuhlalu.



Siku:

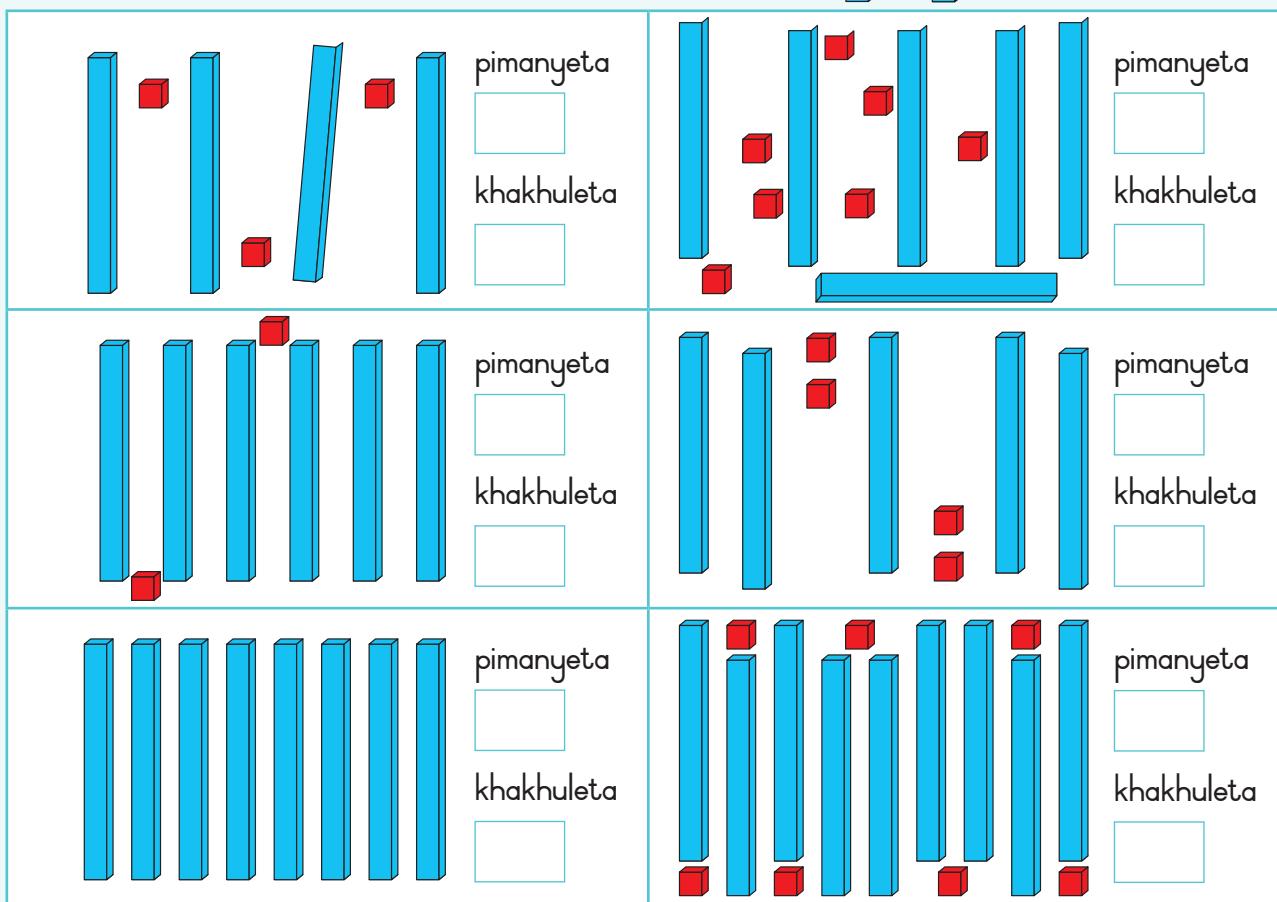


Ku na khume ra tibuloko exibyen.
Pimanyeta kutani u hlayela.



pimanyeta

khakhuleta

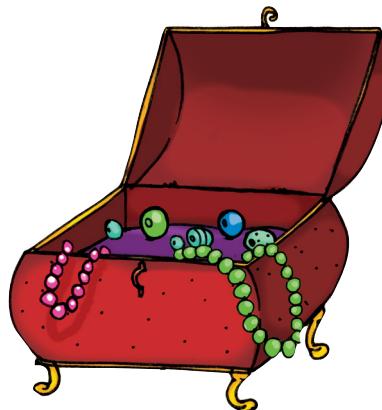




Ku na 42 wa malekere ebokisini. Xana ku tumbetiwe mangani?



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



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



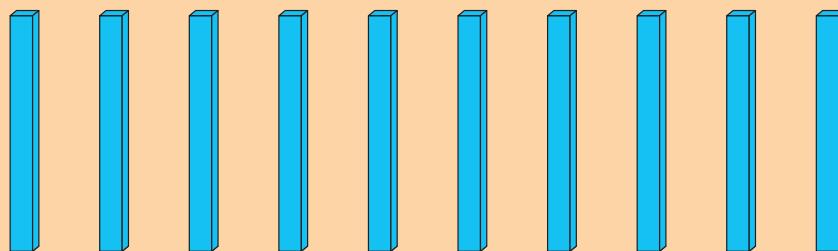
Ku na 100 wa vuhlalu ebokisini. Xana ku tumbetiwe byingani?





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

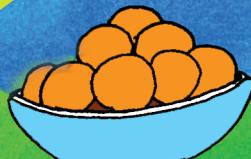
Xibye xin'wana na xin'wana xi na 10 wa tibuloko. Xana ku na tibuloko tingani?





Teacher:
Sign:
Date:

71



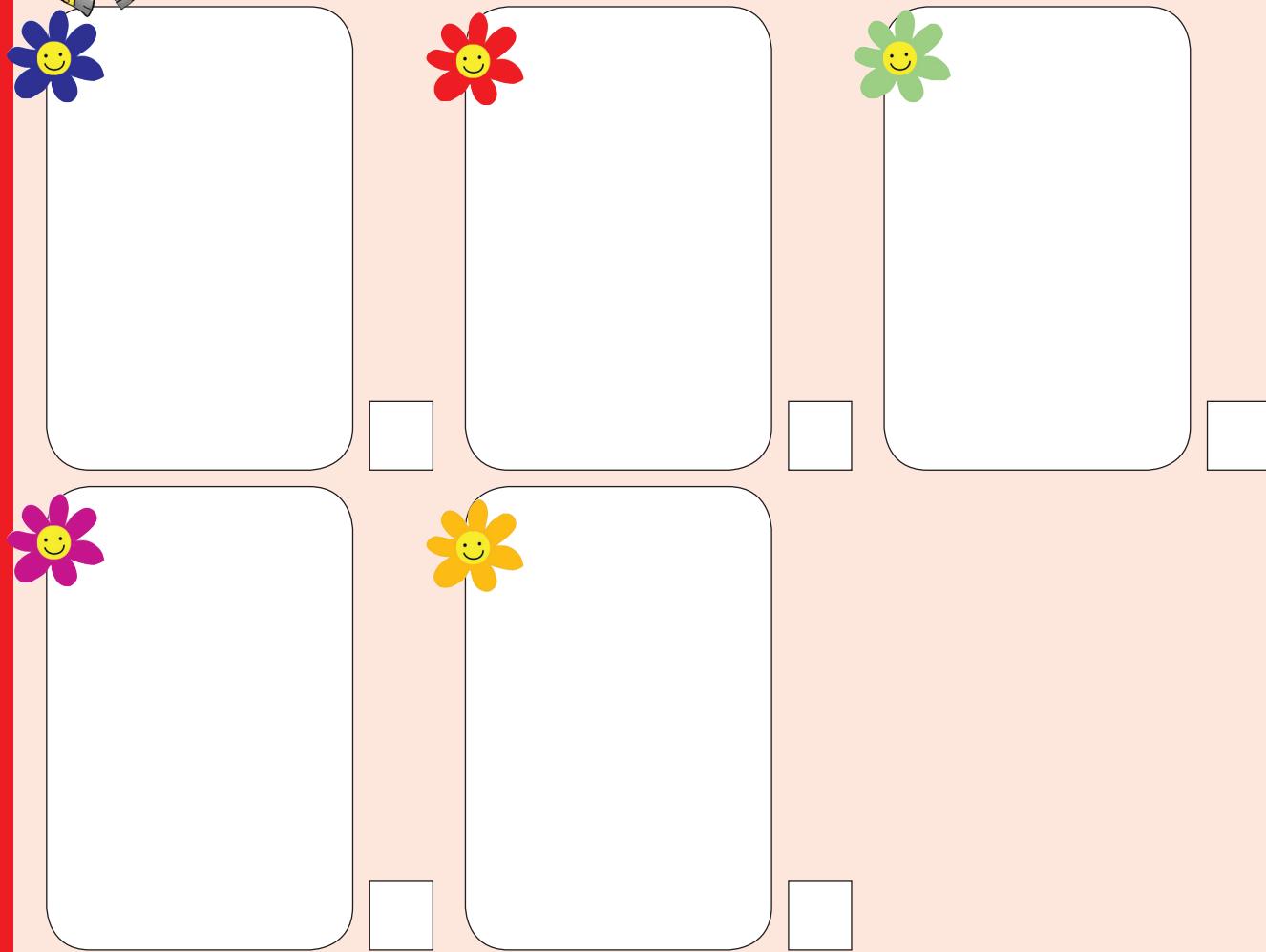
Siku:

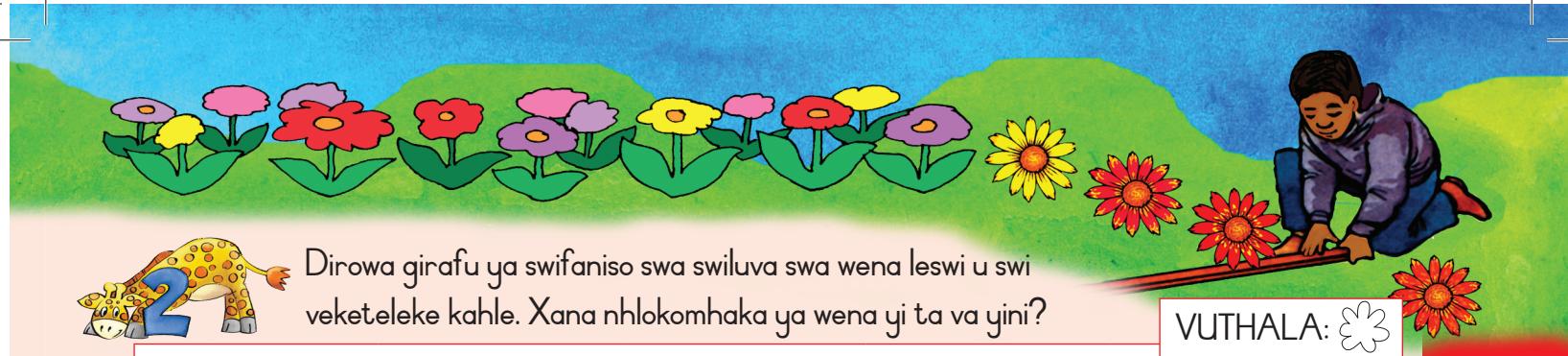
Switiviwa swin'wana

Kotara 3



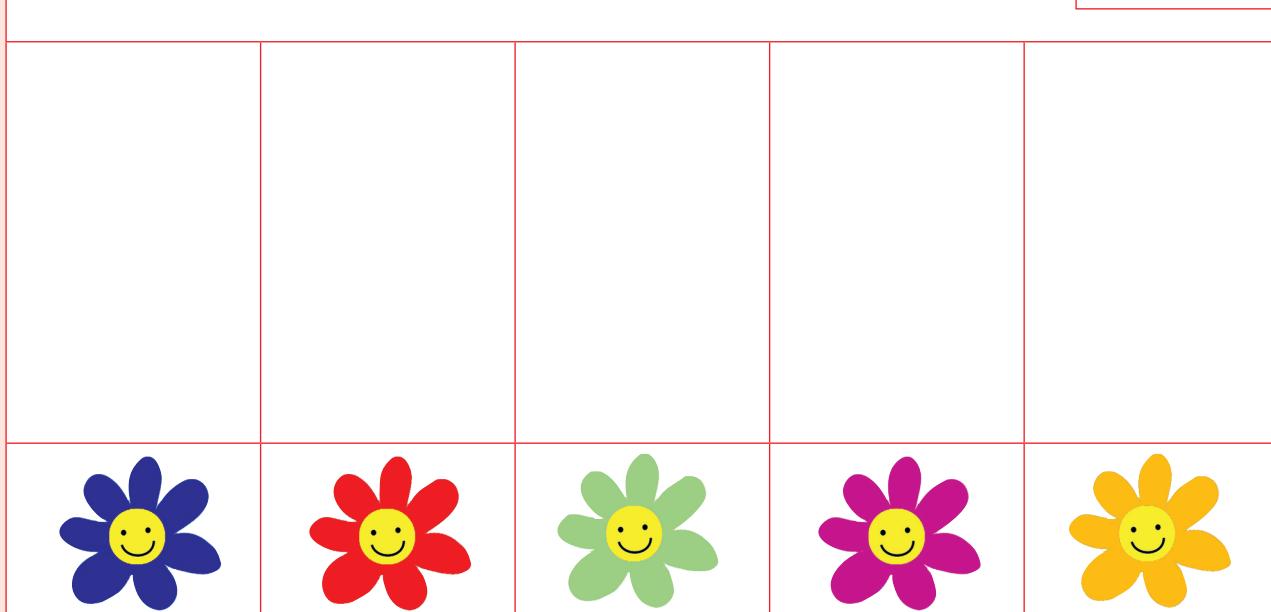
Hlawula swiluva. Dirowa swifaniso swa wena. Tsala ntsengo ebokisini.





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?

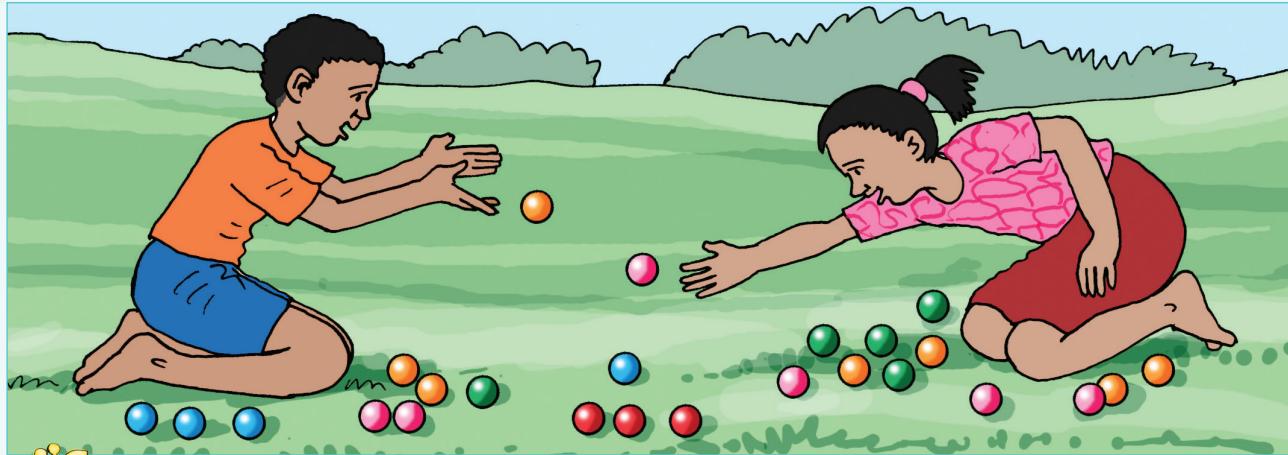
Xiluva lexi u xi tsakelaka i xa muhlovo muni?





Ku hlanganisa 0–50

Kotara 3



Languta xifaniso kutani u hlanganisa timabulu.

tshwuka

+ wasi

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

rihlaza

+ wasi

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

pinki

+ wasi

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

rihlaza

+ xilamula

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

tshwuka

+ rihlaza

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



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.

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



Hlanganisa.

$16 + 13$

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

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

$24 + 12$

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

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

$37 + 11$

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

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

$25 + 23$

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

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

$36 + 12$

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

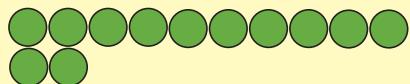
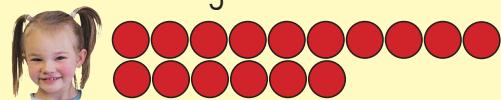
$$\boxed{} + \boxed{} = \boxed{}$$

$28 + 21$

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

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

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

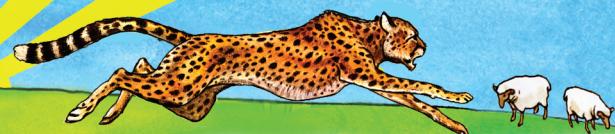


Xana ntsengo wa swona hinkwaswo i yini?



Teacher:
Sign:
Date:

73



Ku hlanganisa 0 – 75

Kotara 3

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

1

10

5

10

6

20

2

10

3

20

5

30

4

40

4

30

2

Hlanganisa.

$$12 + 11$$

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

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

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

$$= \boxed{\quad}$$

$$23 + 41$$

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

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

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

$$= \boxed{\quad}$$

3

Hetisa.

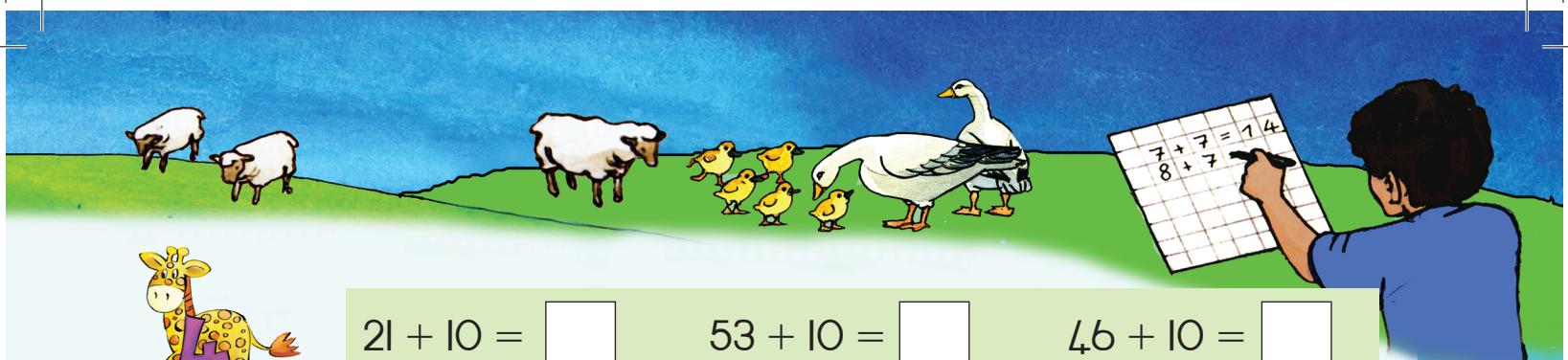
$$28 + \boxed{11} = \boxed{2} \boxed{8} + \boxed{1} \boxed{0} + \boxed{1} = \boxed{38} + \boxed{1} = \boxed{39}$$

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

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

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

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



Hlanganisa.

$21 + 10 =$ <input type="text"/>	$53 + 10 =$ <input type="text"/>	$46 + 10 =$ <input type="text"/>
$68 + 10 =$ <input type="text"/>	$37 + 10 =$ <input type="text"/>	$42 + 10 =$ <input type="text"/>
$74 + 10 =$ <input type="text"/>	$19 + 10 =$ <input type="text"/>	$55 + 10 =$ <input type="text"/>



Ntsengo wa 47 na 6 i

Dirowa xifaniso u kombisa nhlamulo ya wena.

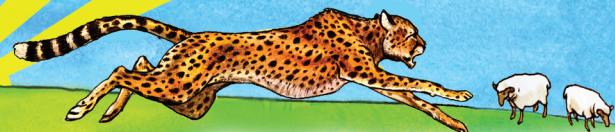


Endla nhlayo ya wena ya marito hi ku tirhisa swifaniso.



Teacher: _____
Sign: _____
Date: _____

74



Siku:

Ku hlanganisa no susa: 0 – 75

Kotara 3

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



q
6 0

$$7 + 40 = 47$$

5
5 0

$$60 + 9 = 69$$

4
7 0

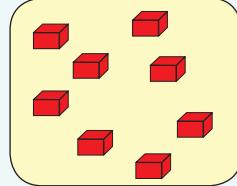
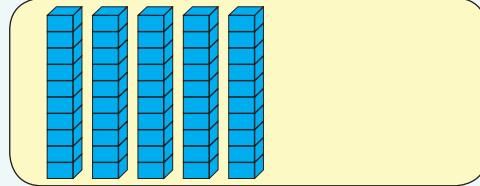
$$50 + 5 = 55$$

7
4 0

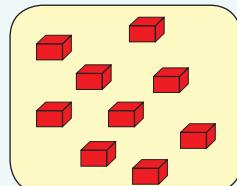
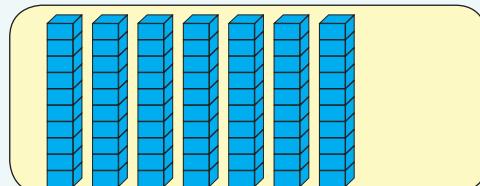
$$4 + 70 = 74$$



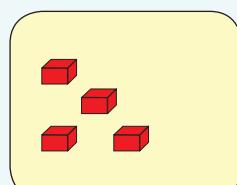
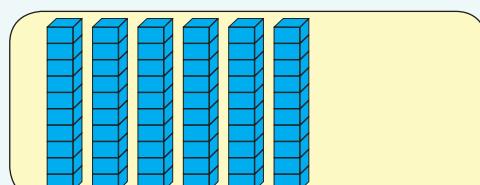
Tsala nhlayo ya leswi landzelaka kutani u tata tinhlamulo.



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



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



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



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

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

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

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

Hlanganisa.

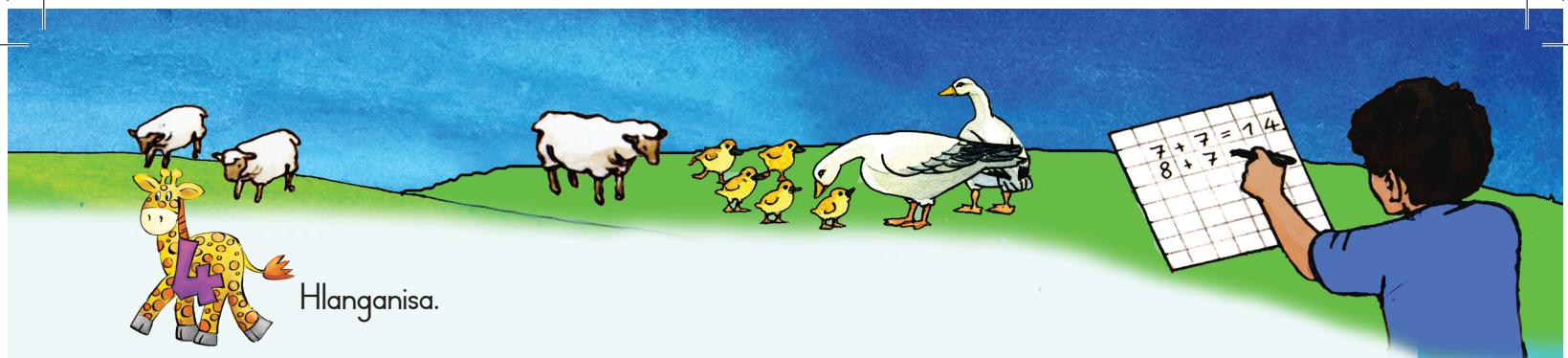
$$\boxed{2 0} + \boxed{8} = \boxed{\quad}$$

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

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

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

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



Hlanganisa.

$56 + 15$

$34 + 17$

$56 + 15 = 71$



$48 + 13$

$63 - 41$

$48 + 13 = 61$

$75 - 51$

$72 - 49$

$75 - 51 = 24$

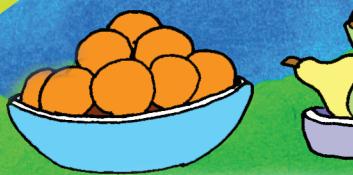


Dirowa xifaniso xo kombisa leswaku Mbali u na 52 wa tibuloko kasi Zander u na 36.



Teacher: _____
 Sign: _____
 Date: _____

Xana ntsengo i yini? _____



Siku:

Tibolo, mabokisi na tisilindara



Xana wa ha
tsundzuka
swivumbeko swa
swilo leswi?

Marito lama ma nga ku pfuna:

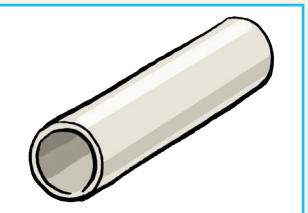
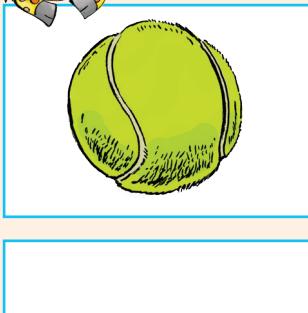
mabokisi

tibolo

tisilindara

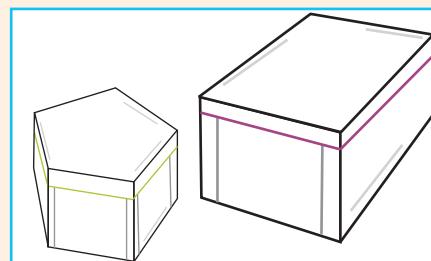


Kombisa tibolo, mabokisi na tisilindara hi ku tsala rito ehansi ka xin'wana na xin'wana.

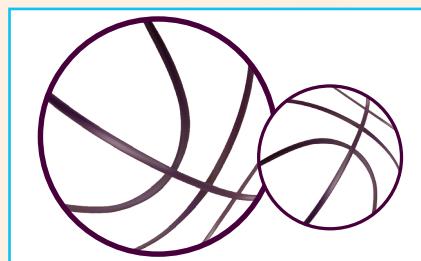




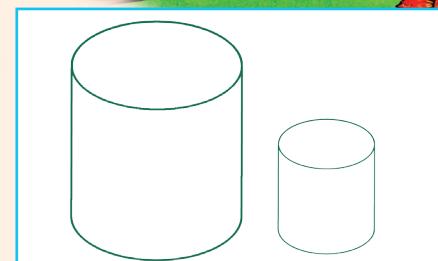
Khalara swilo leswitsongo hi muhlovo wa wasi.



mabokisi



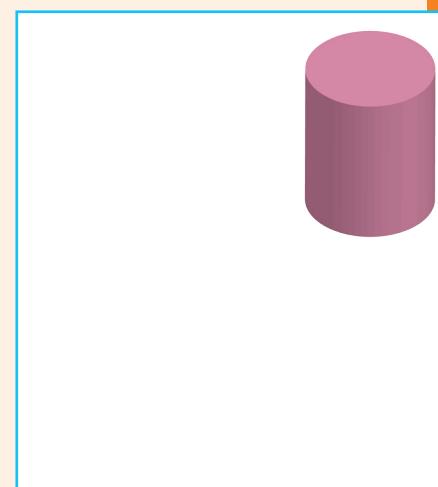
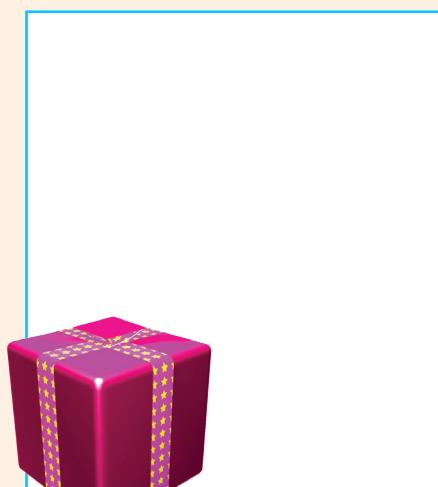
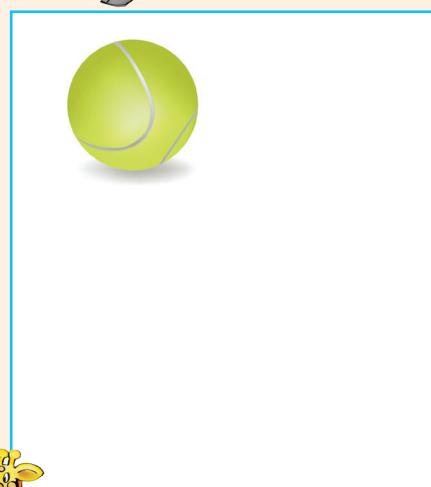
tibolo



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?



Rhetisa, khunguluxa

no aka hi swilo swa 3 wa matlhelot

Siku:

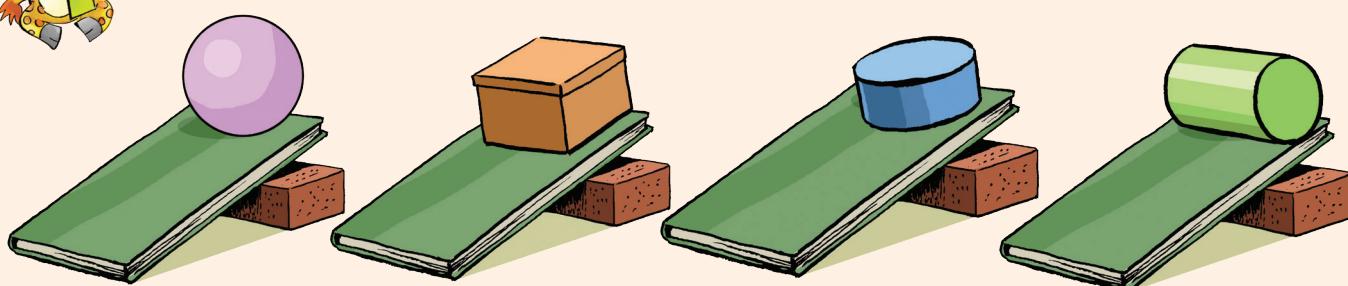


Mudyondzisi wa wena u ta endla nghingiriko lowu leswaku u kota ku vona loko leswi landzelaka swi ta kota ku balansa:

- 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.



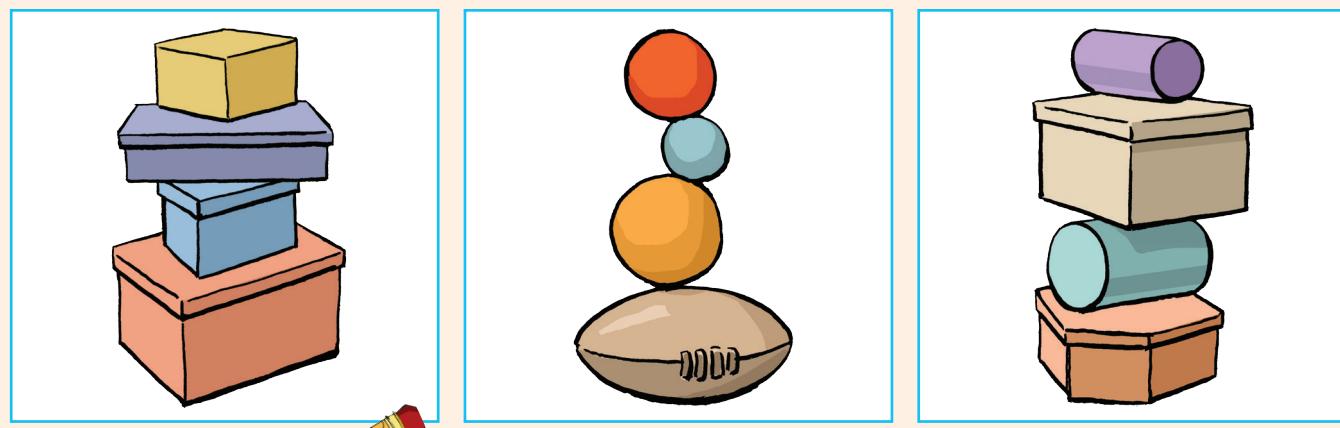
Kuma swifaniso swa swilo eka timagazini leswi swi khungulukaka kumbe leswi rhetaka kutani u swi damarheta laha.

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



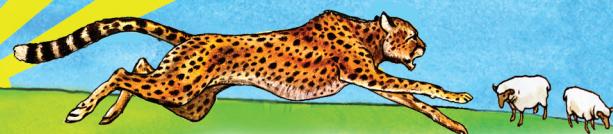
Hi leswi swihondzo swa mabokisi ya mencisi.



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.



Hlanganisa u tirhisa maendlele ya wena.

$$52 + 21$$

$$43 + 28$$



Hetisa.

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

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

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



Hlanganisa.

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

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

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



Ntsengo wa 36 na 24 i _____.

Dirowa xifaniso u kombisa nhlamulo ya wena.



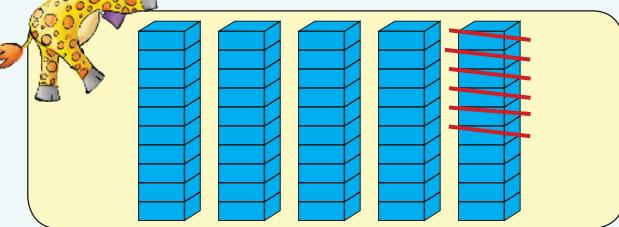
Susa tinomboro ta le ka bokisi ra le hansi ku suka
eka tinomboro ta bokisi ra le henhlā.

6

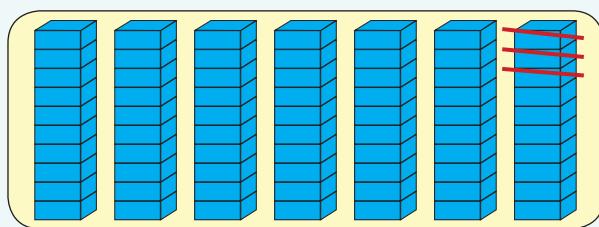
5	7 0	2	6 0	7	5 0	9	3 0
3	4 0	1	2 0	6	1 0	5	1 0



Tsala nhlayo ya leswi landzelaka.



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



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



Susa:

$$65 - 23$$

$$72 - 29$$



Susa.

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

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

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



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

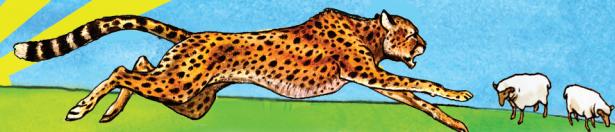


Xana ku sale timabulu tingani? _____



Teacher: _____
Sign: _____
Date: _____

78

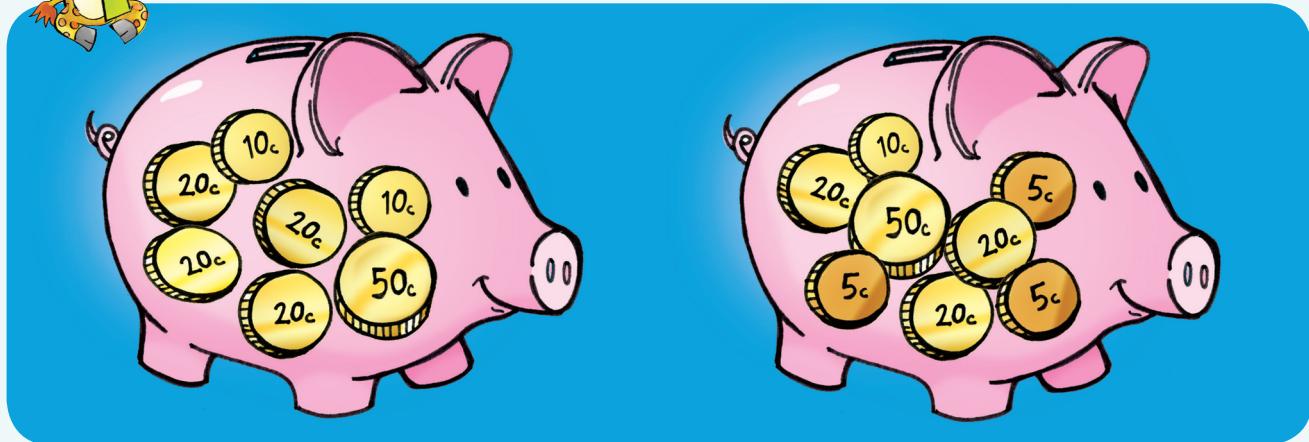


Mali yin'wana

Kotara 3

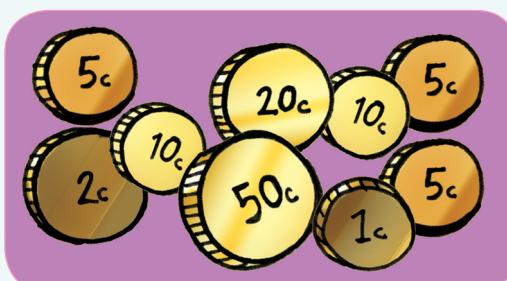
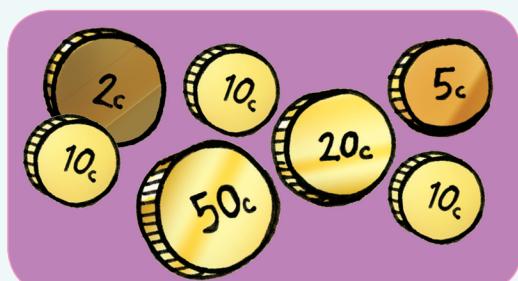
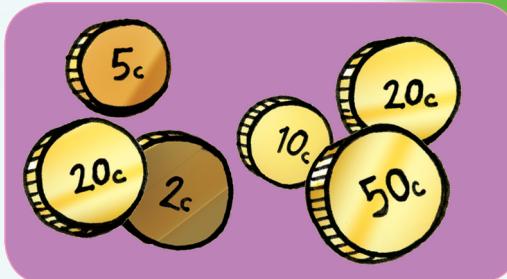
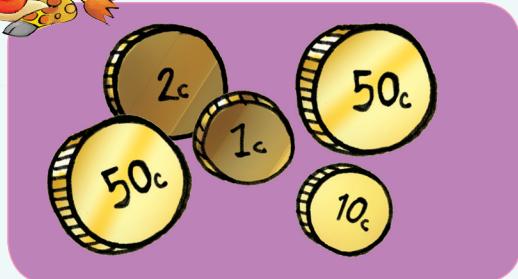


Xana ku na yini ebangi ya mina ya xingulubyana?



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.

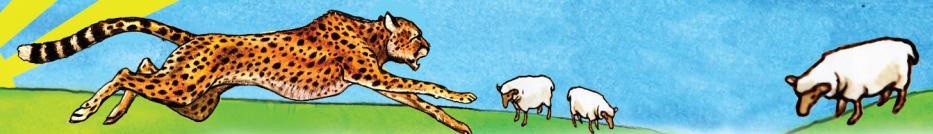
Ndzi na 170c. Ndzi xavile swiwitsi hi 100c.

Xana ndzi sale na mali muni?

Dirowa xifaniso u kombisa nhlamulo ya wena.



79



Mali ya phepha yin'wana

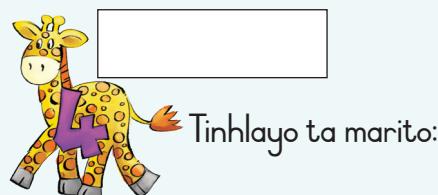
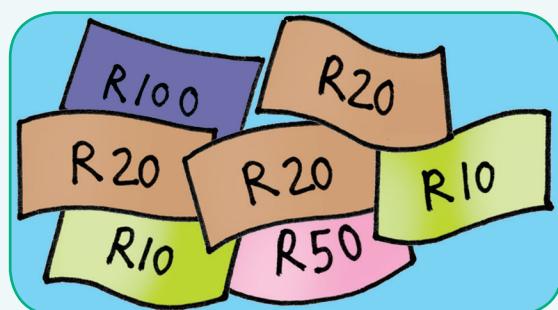
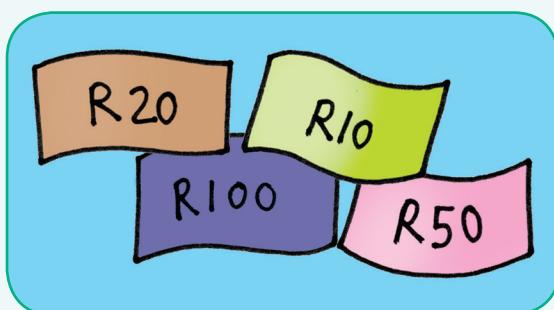
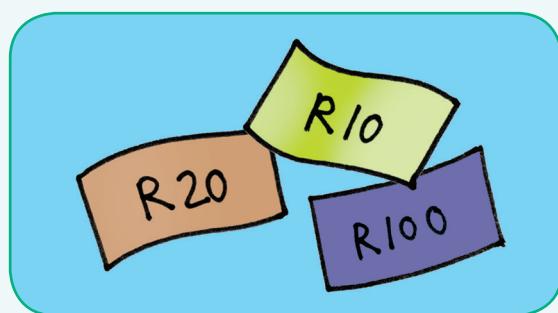
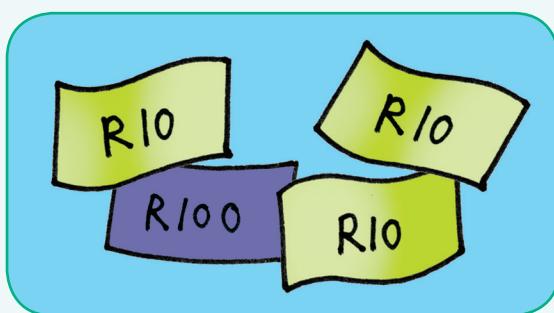
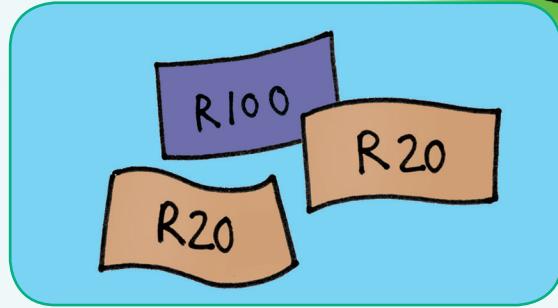
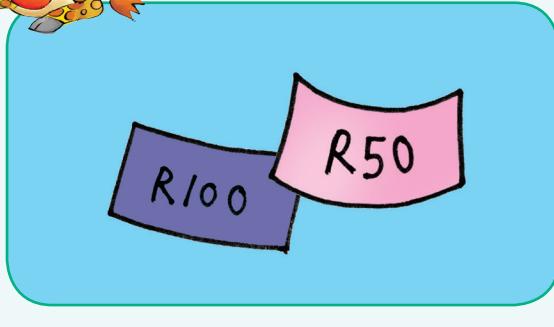
Xana ku na mali muni exipacini xa mina?

Kotara 3



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





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?



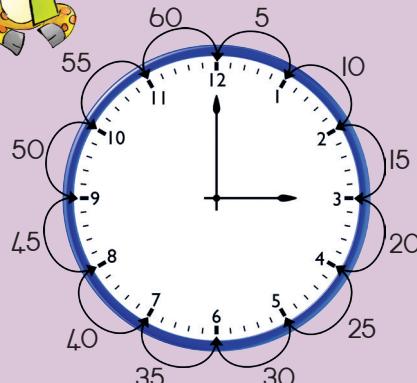
80

Tipatironi ta nkarhi

Kotara 3



Bula hi wachi.



Wachi yi kombeta nkarhi.

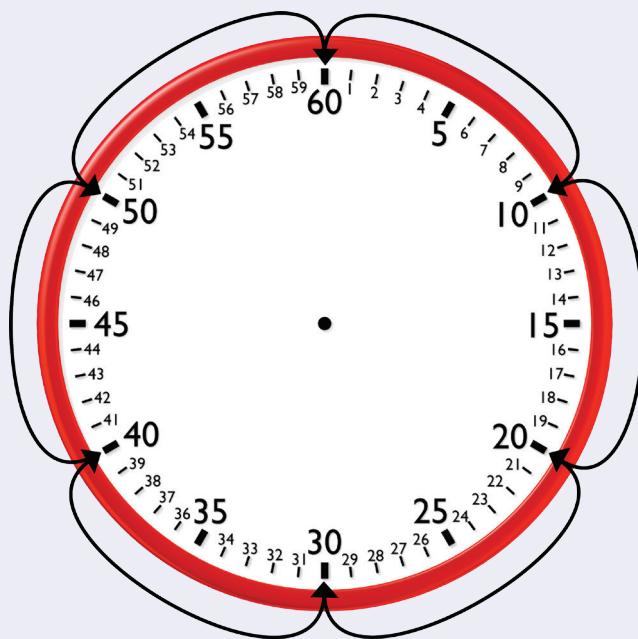
Rimhondzo ro koma ri hi kombeta tiawara.

Rimhondzo ro leha ri hi kombeta timinete.

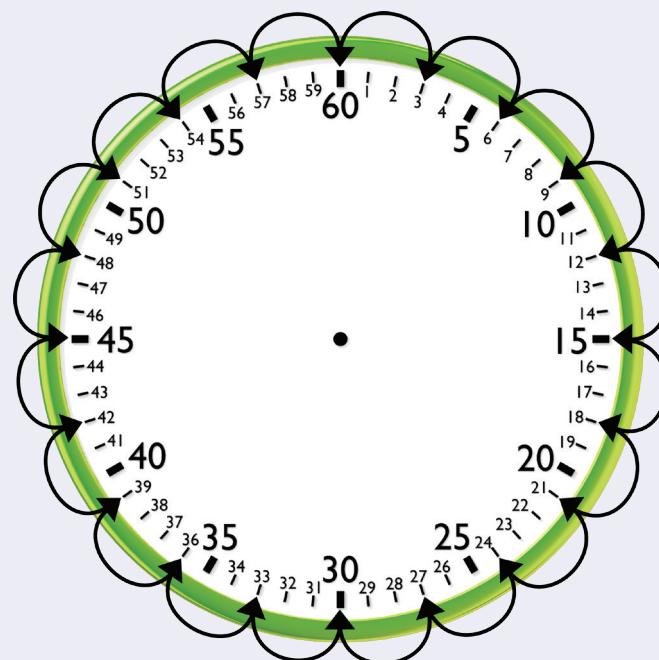
Laha hi hlayela timinete hi vuntlhanu



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



10 __, __, __, __, __,

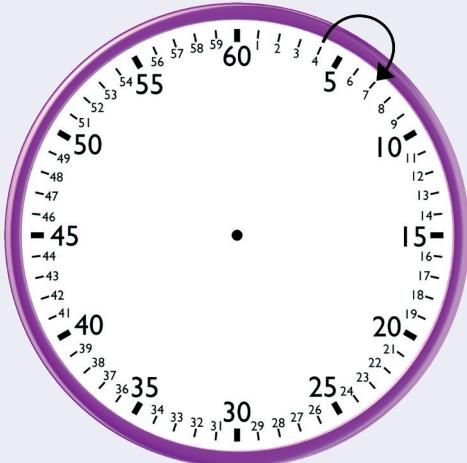


3, __, __, __, __, __, __,
__ , __, __, __, __, __,

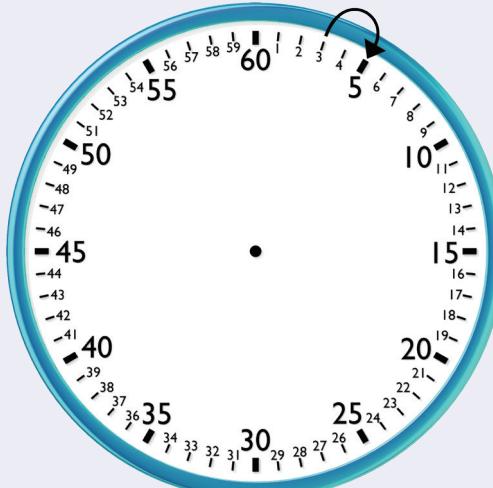


Kombisa patironi u tirhisa minseve.

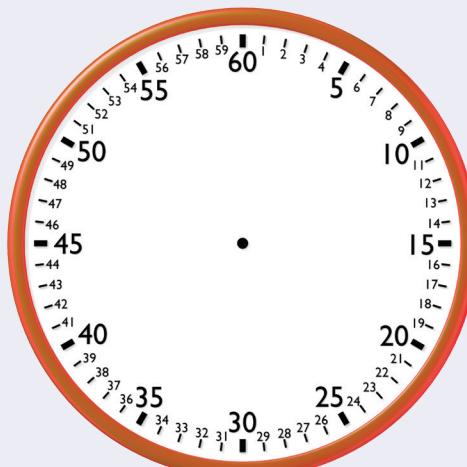
Hlayela hi vu-3 u sungula eka 4.



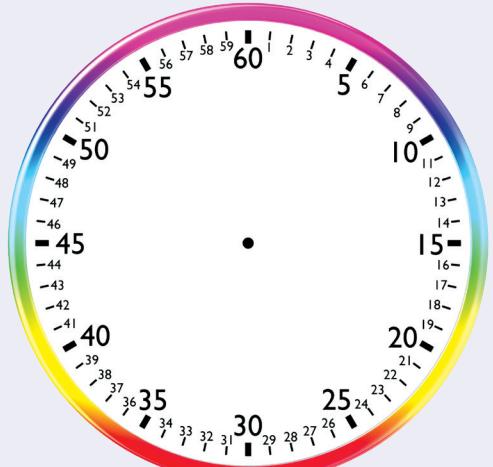
Hlayela hi vu-2 u sungula eka 3.



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:



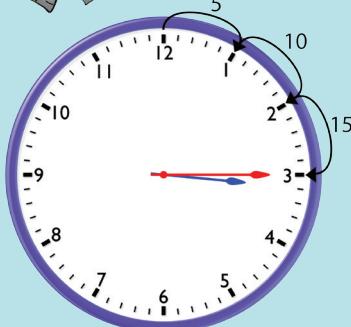
Siku:

Tiawara na timinete

Kotara 3

A cartoon illustration of a giraffe holding a large, light green number 1. The giraffe is standing on its hind legs, holding the number with its front legs. It has brown spots on its neck and body, and a long, thin tail.

Bula hi wachi.



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

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

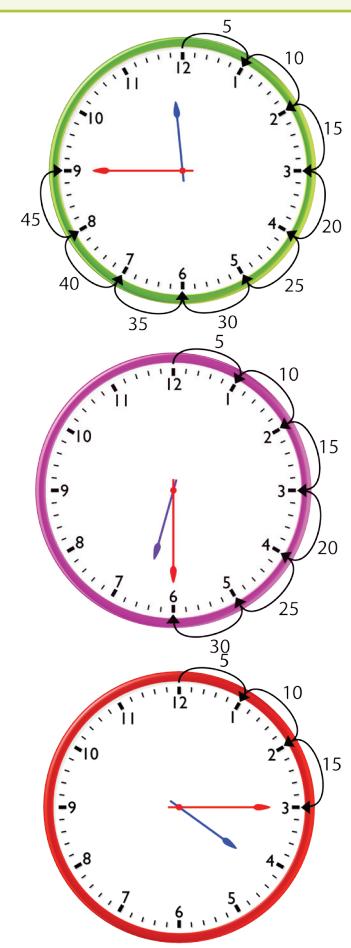
Hi ri i **kotara** ku bile awara ya nharhu

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

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



Xang i nkarhi myni?



Rimhondzo ro komq ri hi komba

Rimhondzo ro leha ri hi kombá

Hirai

Rimhondzo ro koma ri hi komba

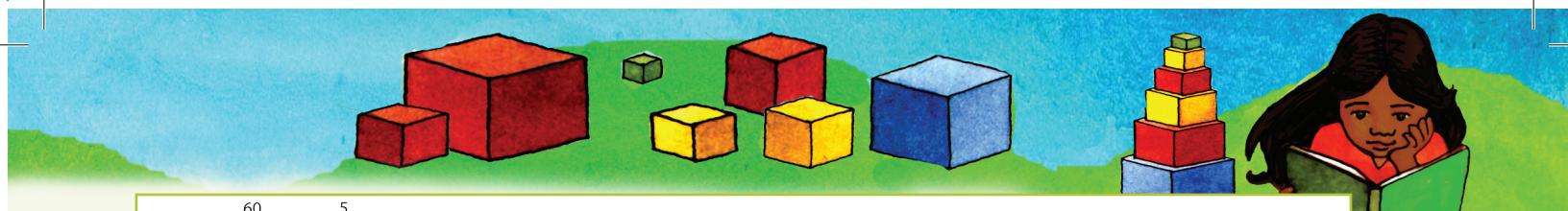
Rimhondzo ro leha ri hi komba

Hirai

Rimhondzo ro koma ri hi komba

Rimhondzo ro leha ri hi kombu

Hirji

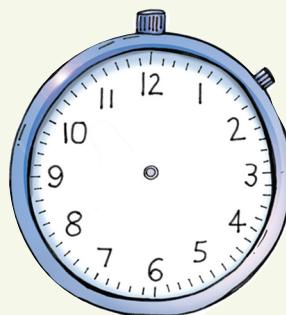


	Rimhondzo ro koma ri hi komba _____.
	Rimhondzo ro leha ri hi komba _____.
	Hiri i _____.

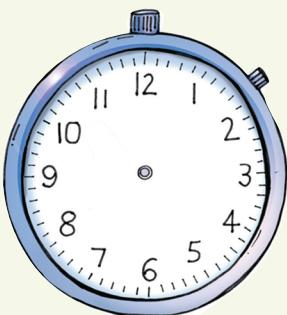


Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku bile awara ya mbirhi.

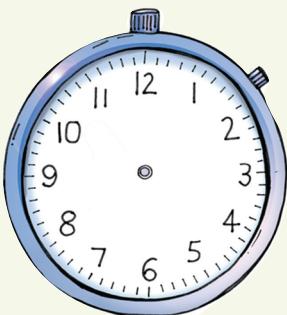
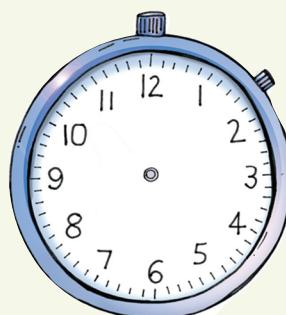


Hafu ku bile awara ya kaye.



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

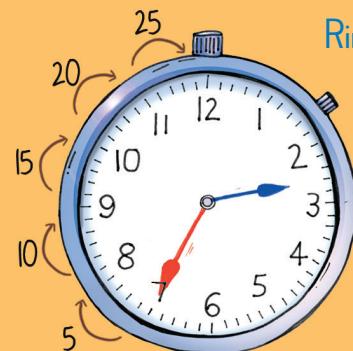


Bula hi wachi.



Timinete na tiawara

Kotara 3



Rimhondzo ro koma ri kombu 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 ntihanu ku ya eka nharhu.

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



I nkarhi muni?

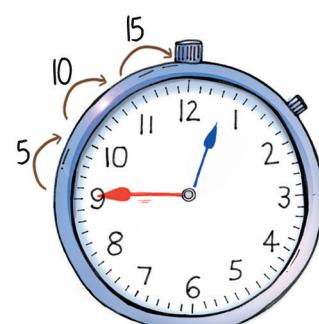


Rimhondzo ro koma ri yime eka _____.

Rimhondzo ro leha ri yime eka _____.

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

Hi ri i _____ ku ya eka _____.

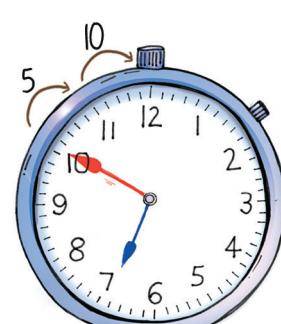


Rimhondzo ro koma ri yime eka _____.

Rimhondzo ro leha ri yime eka _____.

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

Hi ri i _____ ku ya eka _____.

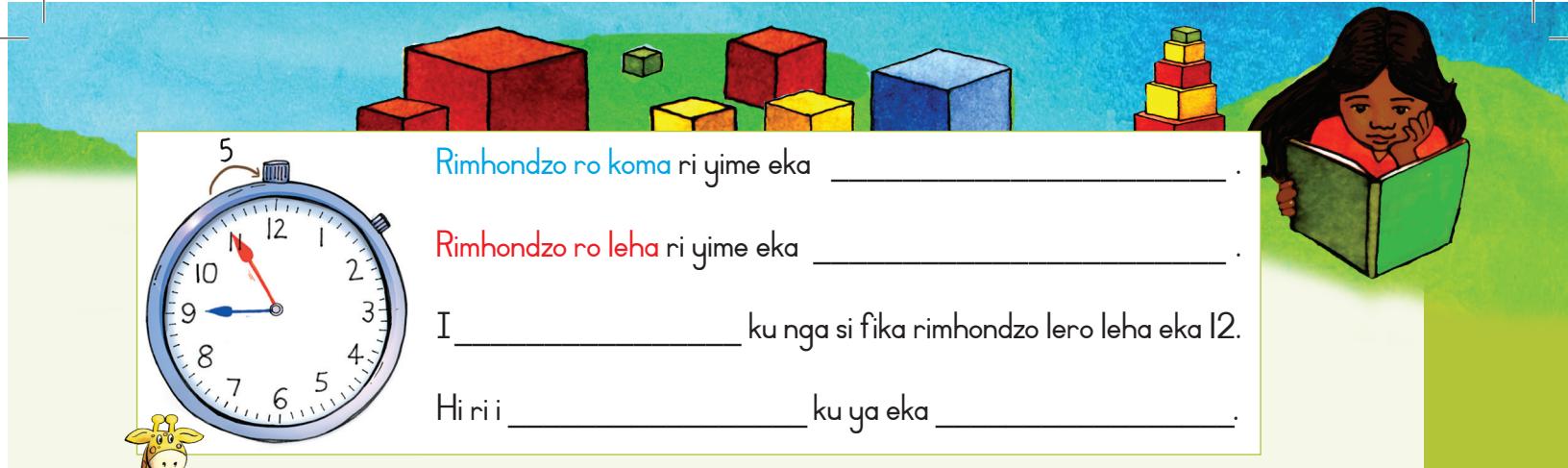


Rimhondzo ro koma ri yime eka _____.

Rimhondzo ro leha ri yime eka _____.

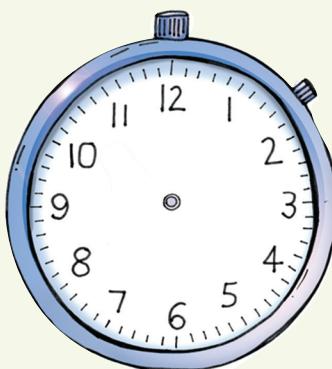
I _____ ku nga si fika rimhondzo lero leha eka 12.

Hi ri i _____ ku ya eka _____.

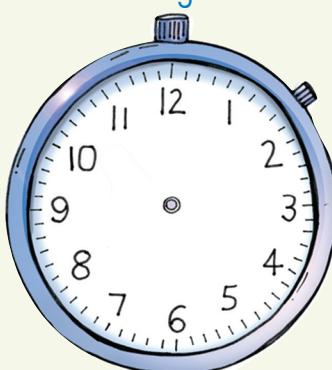


Dirowa rimhondzo ro leha na rimhondzo ro koma ku kombisa:

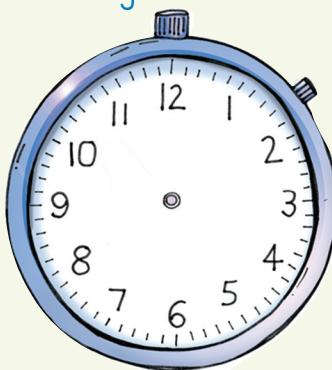
Ntlhanu wa timinete ku
ya eka awara ya nhungu.



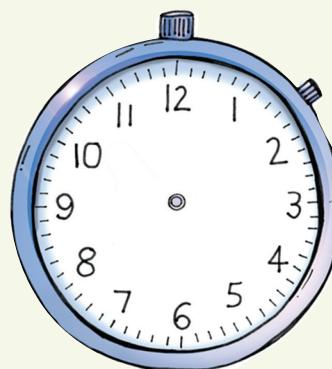
Ntlhanu wa timinete ku ya
eka awara ya n'we.



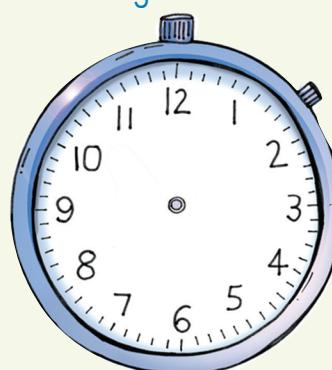
Khumenharhu ku ya eka
awara ya nkombo.



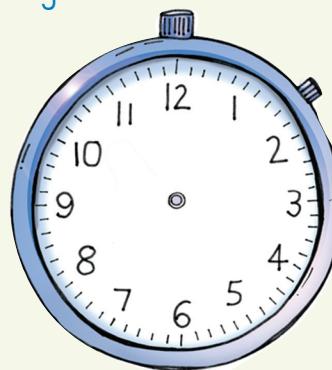
Makumembirhi wa timinete ku
ya eka awara ya nharhu.



Khume ra timinete ku ya eka
awara ya ntsevu.



Khumembirhi ku ya eka awara
ya khumembirhi.



Teacher:
Sign:
Date:

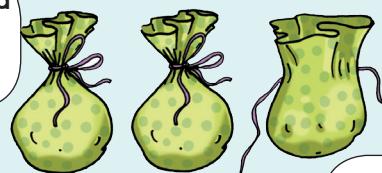


Ku hlanganisa ko vuyeleriwa

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



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



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



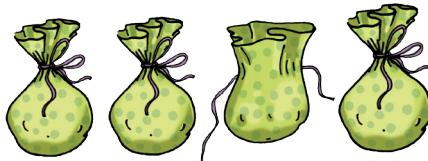
Ndzi nga tsala tanihi
 $5 + 5 + 5 = 15$
 kumbe $3 \times 5 = 15$



Languta swinkwamana leswi nga na swiwiitsi:

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

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

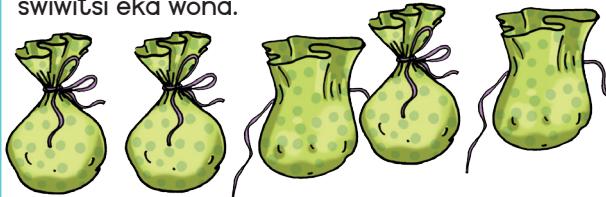


Xivulwa: 4 wa mintlawa ya 2

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

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

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



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____

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



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____

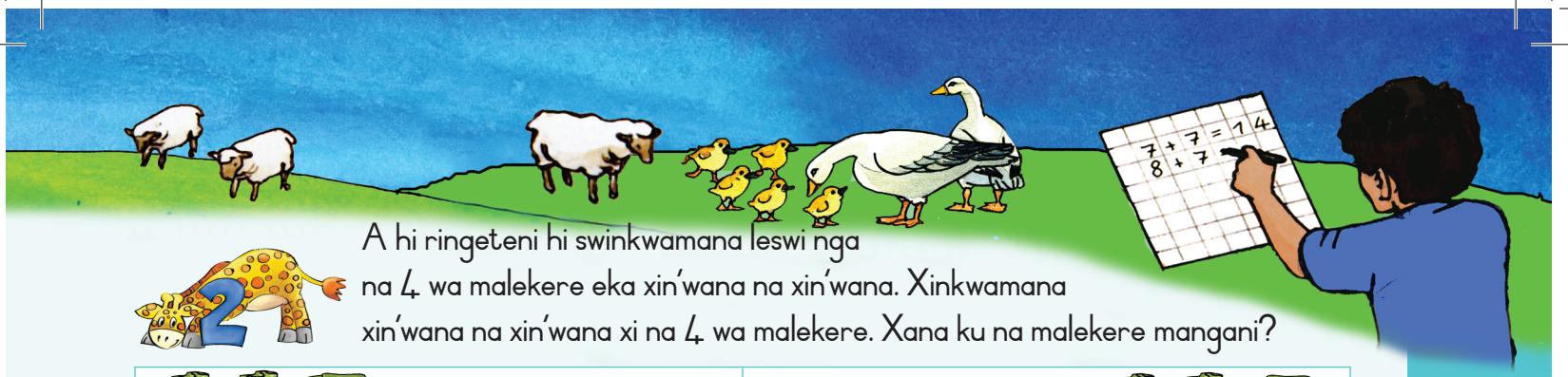
Nkwama wun'wana na wun'wana wu na 5 wa swiwiitsi eka wona.



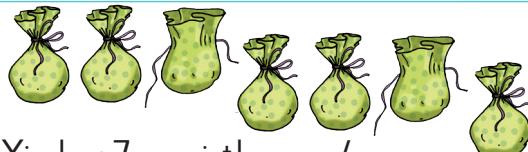
Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



A hi ringeten hi swinkwamana leswi nga
na 4 wa malekere eka xin'wana na xin'wana. Xinkwamana
xin'wana na xin'wana xi na 4 wa malekere. Xana ku na malekere mangani?

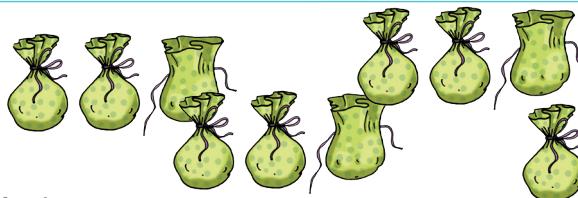


Xivulwa: 7 wa mintlawa ya 4

Nhlayo yo andzisa:

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

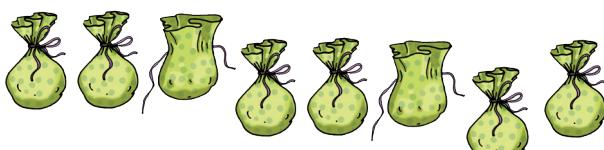
$$\text{Nhlayo yo andzisa: } 7 \times 4 = 28$$



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



Hetisa tafula ra ku andzisa (menthele).

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

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



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



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



11

12

13

14

15

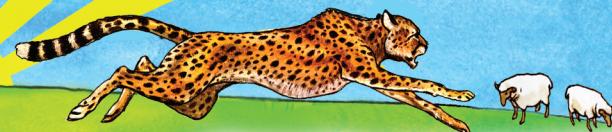
16

17

18

19

20

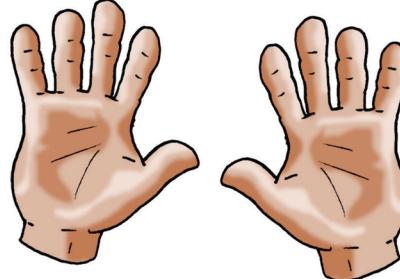


Andzisa hi 5

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



× =
Swikunwana
enkondzweni
wun'we



× =
Tintiho
evokweni
rin'we



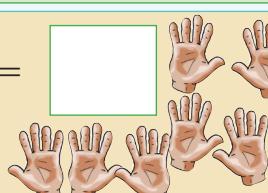
× =
Swikunwana
enkondzweni
wun'we



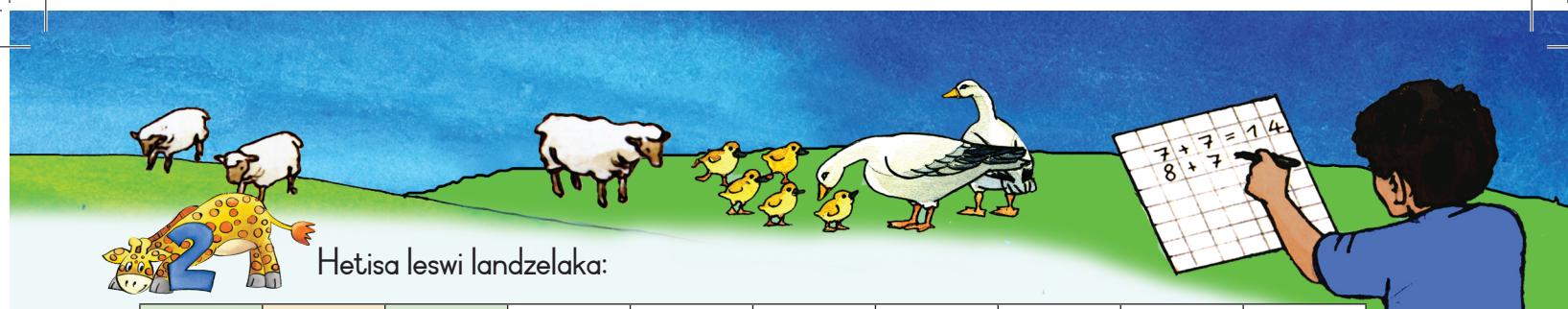
× =
Tintiho
evokweni
rin'we



× =
Swikunwana
enkondzweni
wun'we



× =
Tintiho
evokweni
rin'we



5	10	15						
50	45	40						

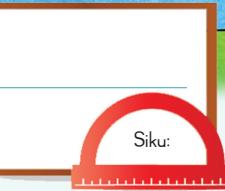


$5 \times$ = <input type="text"/> wa maapula	$4 \times$ = <input type="text"/> wa mabanana
$6 \times$ = <input type="text"/> wa mabanana	$7 \times$ = <input type="text"/> wa maapula



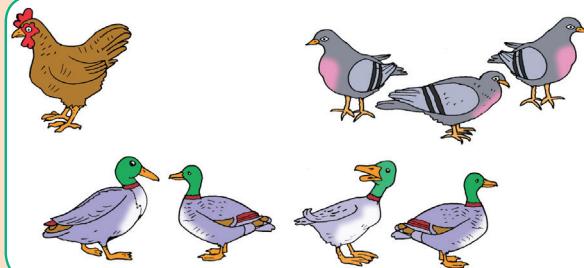
$15 \times 5 =$ <input type="text"/> $\begin{array}{r} 1 \quad 0 \\ + \quad 5 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ + \quad 5 \\ \hline 1 \quad 0 \end{array} \times 5$ $= \begin{array}{r} 1 \quad 0 \\ \times \quad 5 \\ \hline 50 \end{array} + \begin{array}{r} 5 \\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





Andzisa hi 2

Tinyenyana hinwato
ti na 2 wa milenge.



Xana xifaniso lexi xi na
milenge yingani?

Tinyenyana hinkwato
ti na timpapa ti 2.

Ku na timpapa tingani
exifanisweni lexi?



matuva



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

Nhlayo ya matuva Milenge ya nyenyana yin'we.

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

Nhlayo ya matuva Timpapa ta nyenyana yin'we

masekwa



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

Nhlayo ya masekwa Milenge ya nyenyana yin'we.

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

Nhlayo ya masekwa Timpapa ta nyenyana yin'we



Hetisa leswi landzelaka:

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

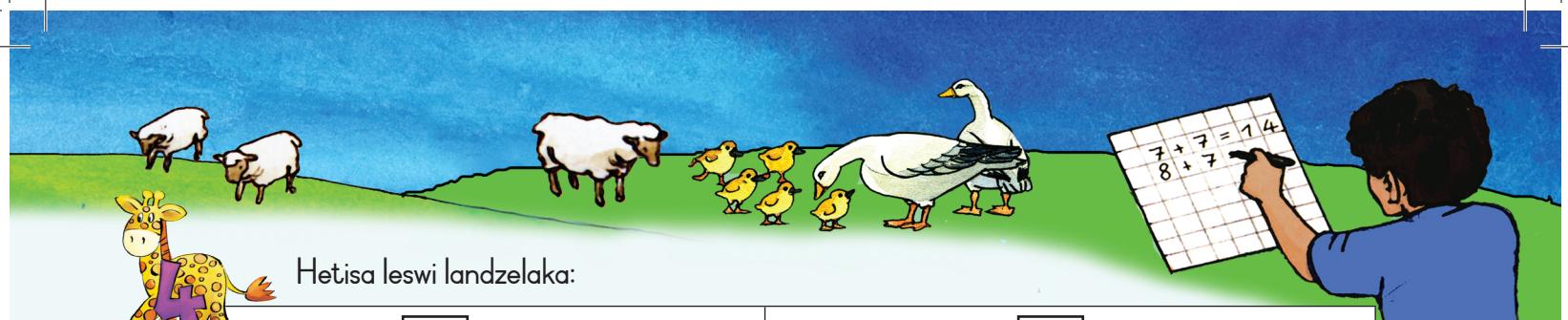


$$20 \quad 18 \quad 16$$



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:

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

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

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

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

$$= 20 + 4$$

$$= 24$$

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

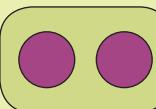
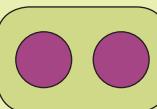
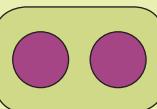
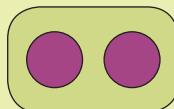
$$\begin{array}{r} 1 \ 0 \\ \ 5 \\ \hline \end{array} \times 2$$

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

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

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

$$= \boxed{\quad}$$



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

kumbe

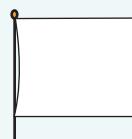
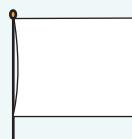
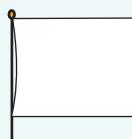
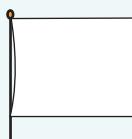
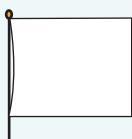
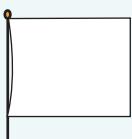
$$4 \times 2 = 8$$

kumbe

$$8 \div 2 = 4$$

Lowu i
mfungho wa
ku avanyisa.

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



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

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



Ku na tibuloko tingani eka swilebe leswi swa chokoleti?

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

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



85a

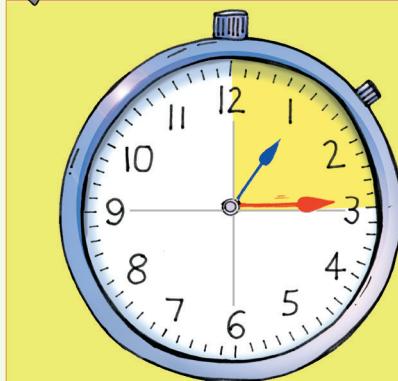


Bula hi wachi.



Ku hundzile kotara

Kotara 3



Rimhondzo ro koma ri hundzile eka n'we.

Rimhondzo ro leha ri yimile eka khumentlhanu wa timinete.

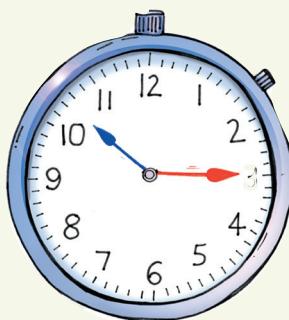
Hi ri i kotara ku bile awara ya n'we.

Hi vula leswaku i kotara ya awara

(15 wa timinete) endzhaku ka awara yo sungula.



Xana i nkarhi muni?



Rimhondzo ro koma ra ha ku hundza _____.

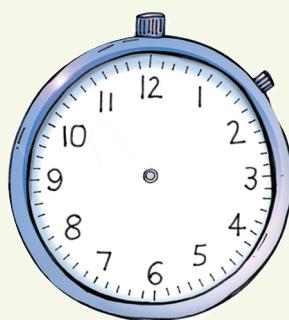
Rimhondzo ro leha ri yime eka _____ wa timinete.

Hi ri i _____ ku bile _____.

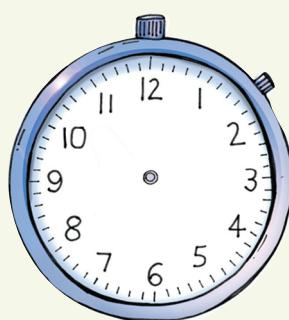


Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku bile 8.



Kotara ku bile 3.

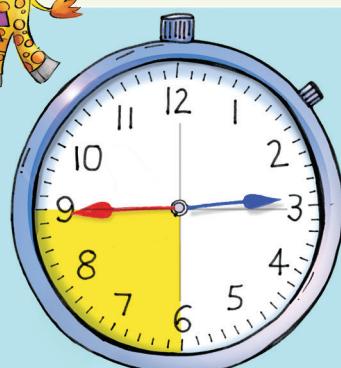




Kotara ku ya eka



Bula hi wachi.



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

Rimhondzo ro leha ri yime eka makumemune ntlanhanu wa timinete.

Hi ri i kotara ya timenete (l5 wa timinete)

ku nga si ba awara ya nharhu.



Xana i nkarhi muni?



Rimhondzo ro koma ri le kusuhi na _____.

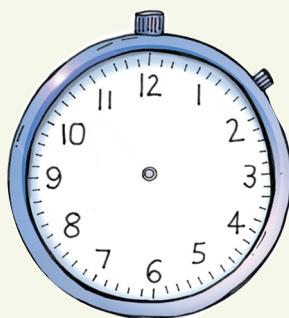
Rimhondzo ro leha ri yime eka _____ wa timinente.

Hi ri nkarhi i _____.

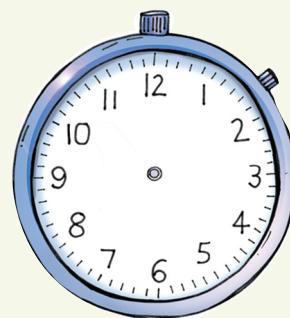


Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku ya
eka 4



Kotara ku ya
eka 8.



Teacher:
Sign:
Date:

85b



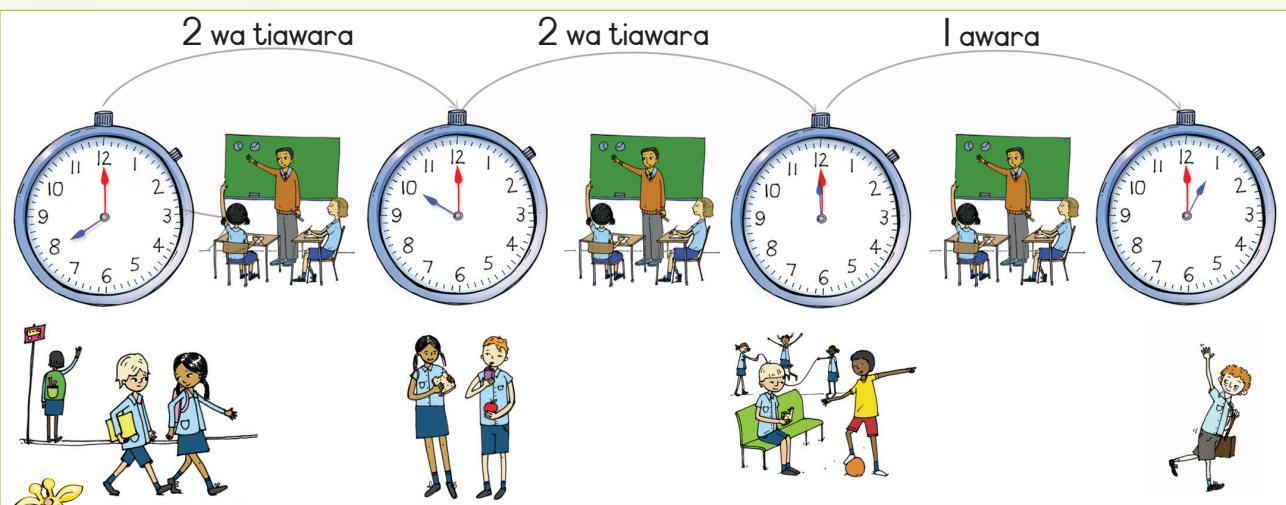
Kotara 3

Nkarhi wa hundza

2 wa tiawara

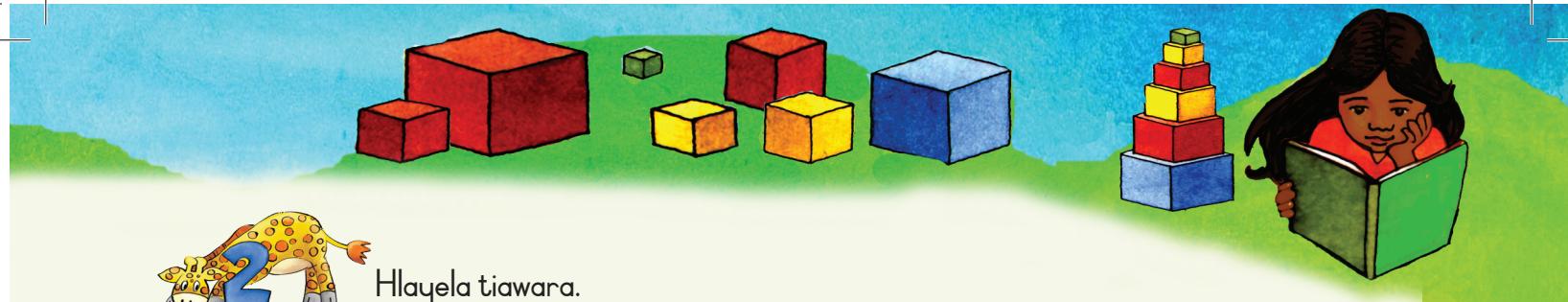
2 wa tiawara

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? _____

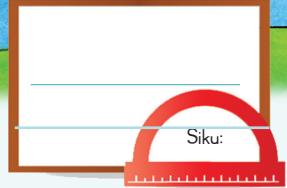


Dirowa xifaniso xa Bongi loko a vhakela vanghana va yena ekaya ka vona hi
Mugqivela hi awara ya 10 nimixo. U vuyile ekaya hi awara ya 3 ninhlekanhi.
Xana u fambile tiawara tingani?



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

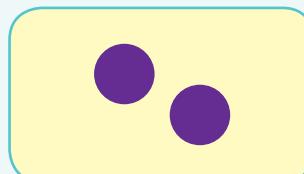
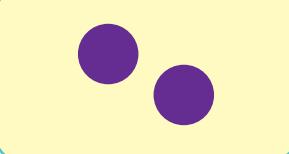
Kotara 3



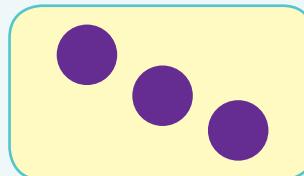
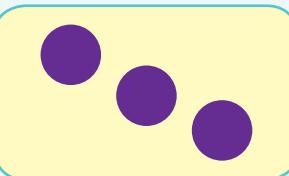
Languta xifaniso xo sungula na xifaniso xa vumbirhi. Ku humelele yini?



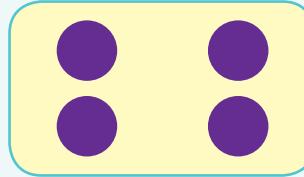
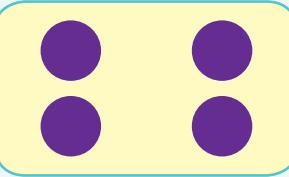
Hlanganisa mathonsi kutani u tsala ntsengo eka man'wana na man'wana.



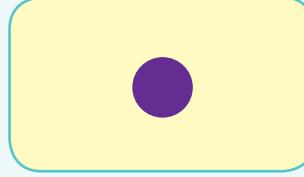
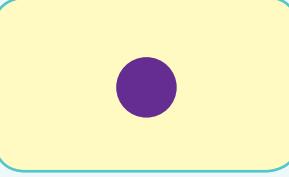
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



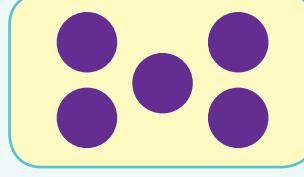
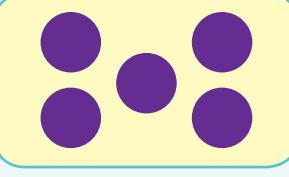
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



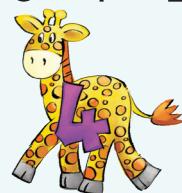
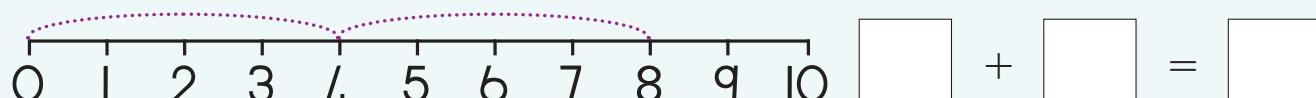
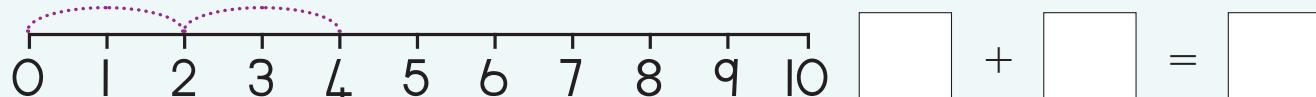
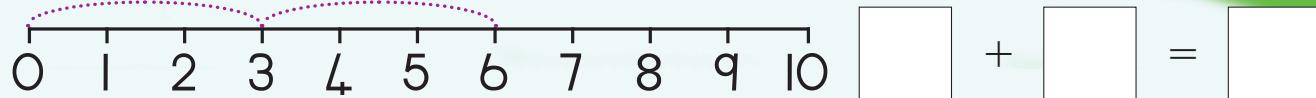
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



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



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



Vuyelela kambirhi leswi landzelaka:

1 kambirhi + =

2 × =

2 kambirhi + =

2 × =

3 kambirhi + =

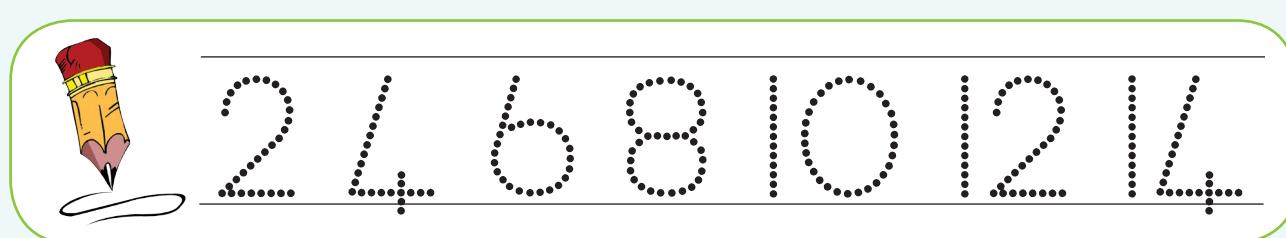
2 × =

4 kambirhi + =

2 × =

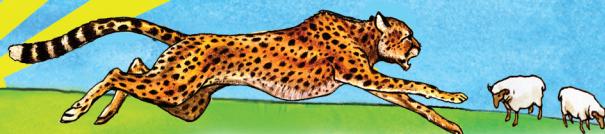
5 kambirhi + =

2 × =



Teacher: _____
Sign: _____
Date: _____

87

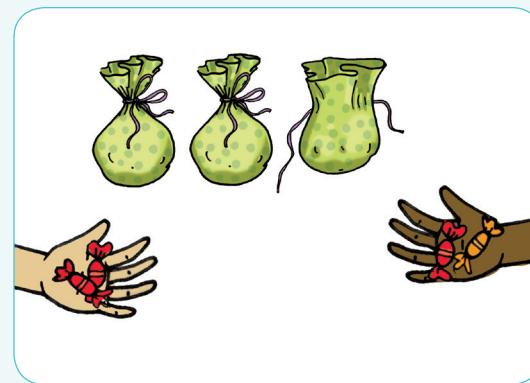


Ku andzisa kambirhi ni ku hafula

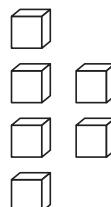
Kotara 3



Languta swifaniso swimbirhi kutani u endla xitori hi swifaniso leswi.



Hlayela swilo leswi kutani u khalara hafu ya swona.

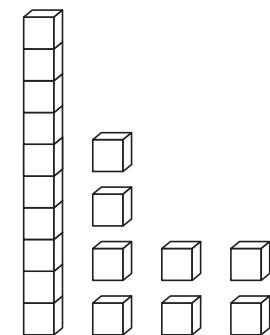


Hlayela

Hafu i

Hlayela

Hafu i



Hetisa leswi landzelaka kutani u dirowa xifaniso.

12 yi andzisiwa
kambirhi i

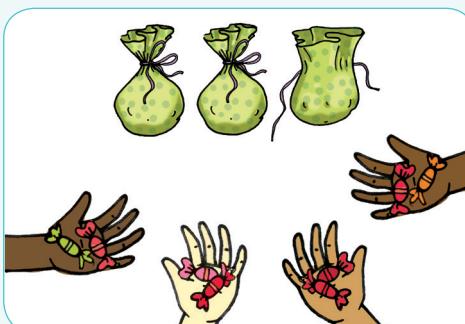
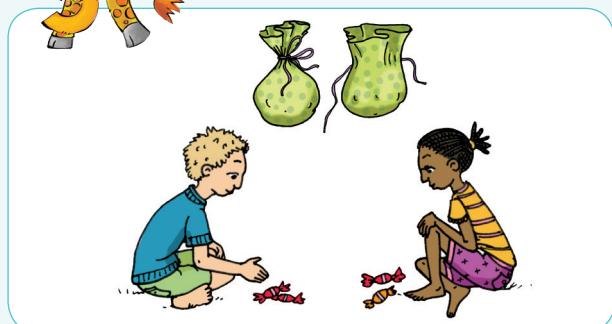
 +


Hetisa.

14	8		16	
<input type="text"/>	<input type="text"/>	2	<input type="text"/>	9

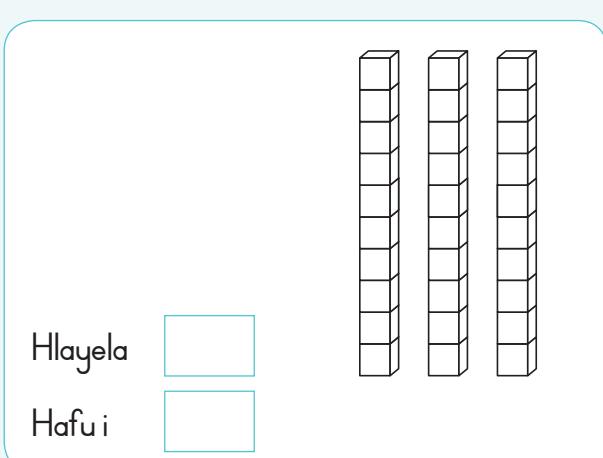
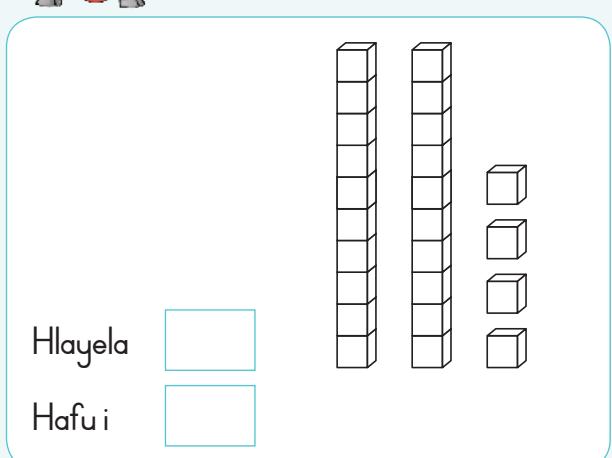


Languta swifaniso swimbirhi kutani u endla xitori.



Ku na 10 wa malekere ebegeni.

Hlayela swilo kutani u khalara hafu ya swona.



Hetisa leswi landzelaka kutani u dirowa xifaniso.

16 yi andzisiwa
kambirhi i
 +



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



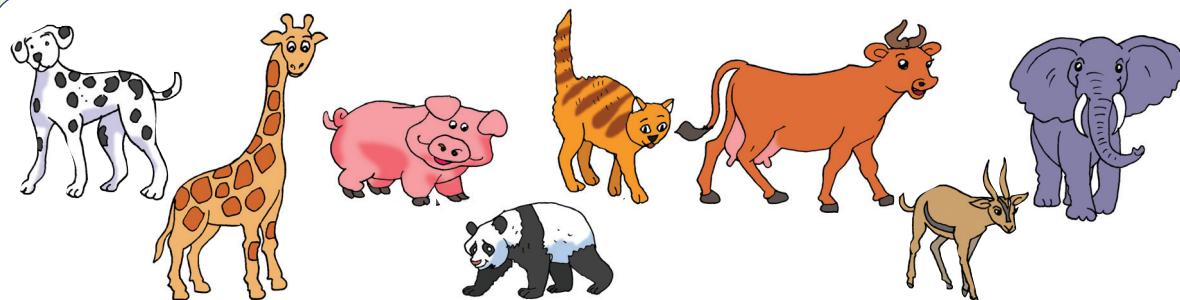


Siku:

Ku andzisa kun'wana

Swiharhi hinkwaswo swi na 4 wa milenge.

Swiharhi hinkwaswo swi na 2 wa tindleve.



Xana milenge hinkwayo
exifanisweni lexi i yingani?

Xana i tingani tindleve hinkwato
exifanisweni lexi?

Languta xifaniso kutani u hetisa leswi landzelaka:

Mbyana

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

Nhlayo ya
timbyana

Milenge ya
xiharhi xin'we

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

Nhlayo ya
timbyana

Matihlo ya
xiharhi xin'we

Swiharhi
swa nhova

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

Nhlayo ya
swiharhi

Milenge ya
xiharhi xin'we

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

Nhlayo ya
swiharhi

Tindleve ta
xiharhi xin'we



Hetisa leswi landzelaka:

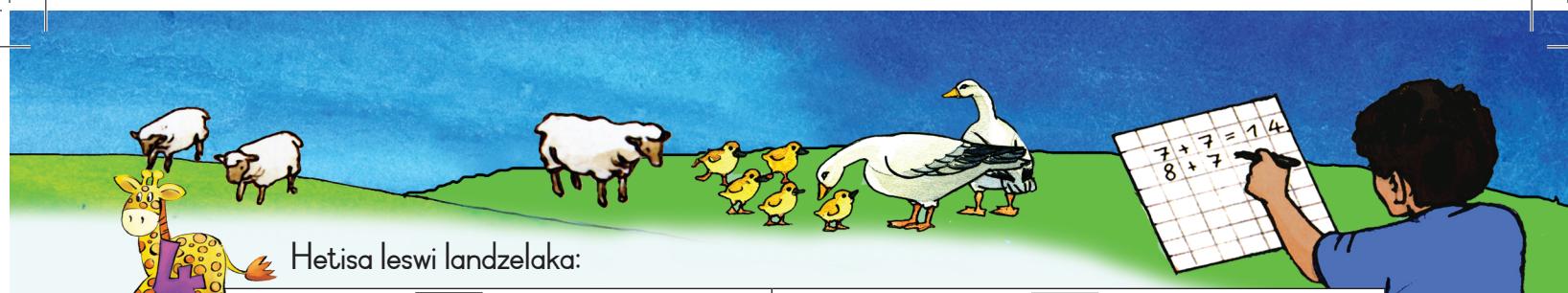
4	8	12							
---	---	----	--	--	--	--	--	--	--

40	36	32							
----	----	----	--	--	--	--	--	--	--



Hetisa leswi landzelaka:

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



Hetisa leswi landzelaka:

$14 \times 4 = \boxed{}$

$$= \boxed{1} \ \boxed{0} \ \boxed{4} \times 4$$

$$= \boxed{1} \ \boxed{0} + \boxed{4} \times 4$$

$$= \boxed{1} \ \boxed{0} \times 4 + \boxed{4} \times 4$$

$$= 40 + 16$$

$$= 56$$

$15 \times 4 = \boxed{}$

$$= \boxed{1} \ \boxed{0} \ \boxed{5} \times 4$$

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

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

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

$$= \boxed{}$$



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



Hetisa leswi landzelaka:



Avela vana vambirhi 19 wa timabulu hi ku ringana.

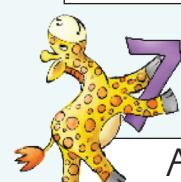
Avela 4 wa vana 22 wa tipenisele hi ku ringana.

Un'wana na
un'wana u kuma

Ku sala yini?

Un'wana na
un'wana u kuma

Ku sala yini?



Dirowa swifaniso u kombisa tinhlamulo ta wena.

Ava 23 wa tibuku exikarhi ka 4 wa vana.

Ava 15 wa tibuku exikarhi ka 4 wa vana.

Un'wana na
un'wana u kuma

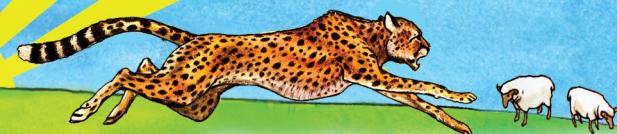
Ku sala yini?

Un'wana na
un'wana u kuma

Ku sala yini?



89



Tipatironi ta tinomboro

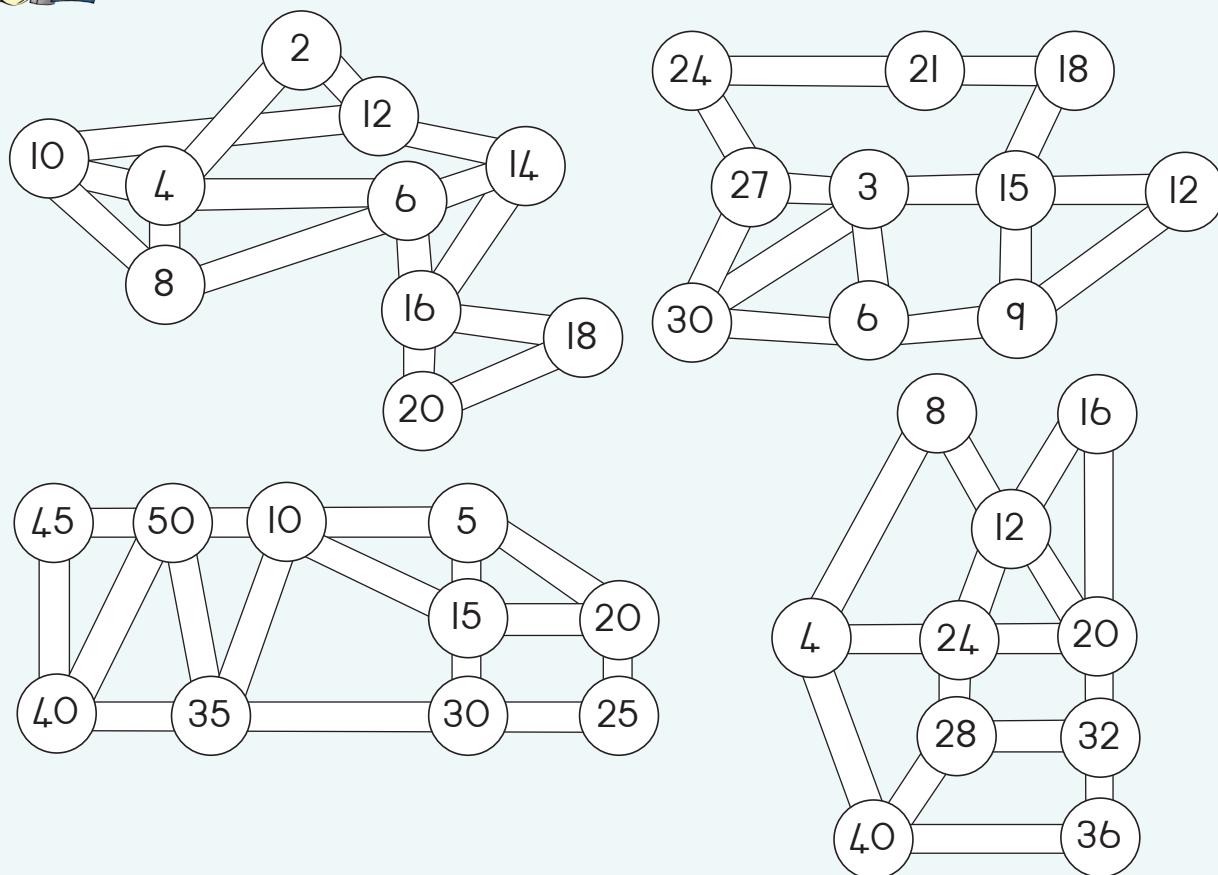
Kotara 3



Nomboro leyi landzelaka etlukeni yi ta va yihi?



Boxa patironi. Dirowa patu u sungula hi nomboro leyitsongo.



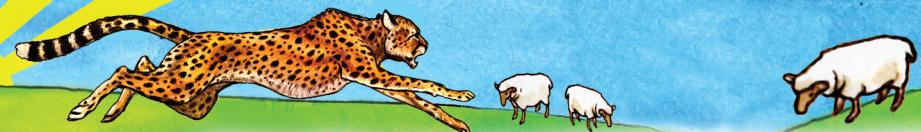


4:20	4:25	_____ : _____	_____ : _____	_____ : _____
11:10	11:20	11:30	_____ : _____	_____ : _____
9:25	9:40	9:55	_____ : _____	_____ : _____
10:30	10:35	10:40	_____ : _____	_____ : _____
5:10	5:20	5:30	_____ : _____	_____ : _____



Teacher: _____
Sign: _____
Date: _____

90

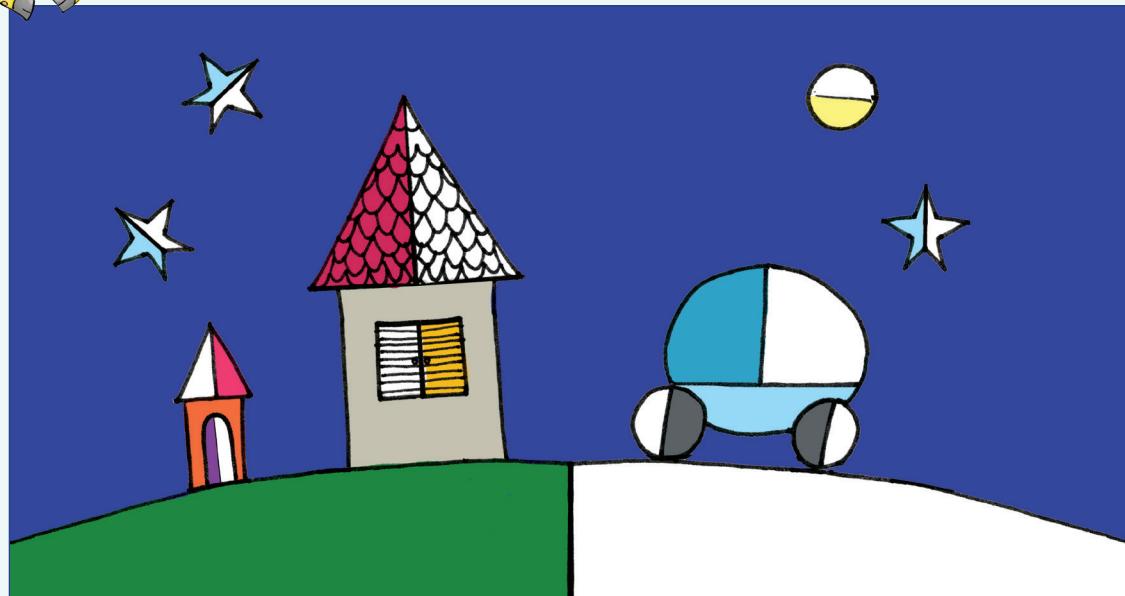


Swiphemu – tihafu

Kotara 3

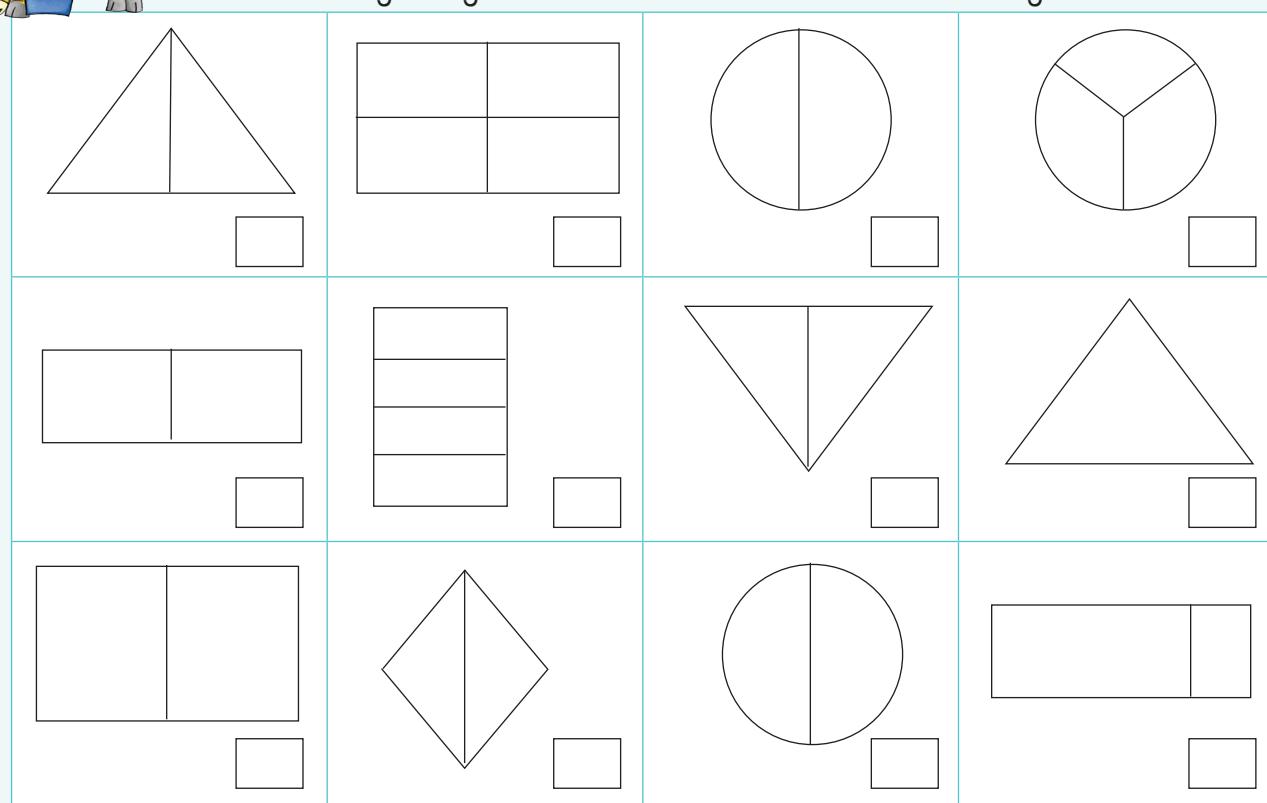


Languta xifaniso. Khalara hafu leyin'wana hi muhlovo lowu fanaka.



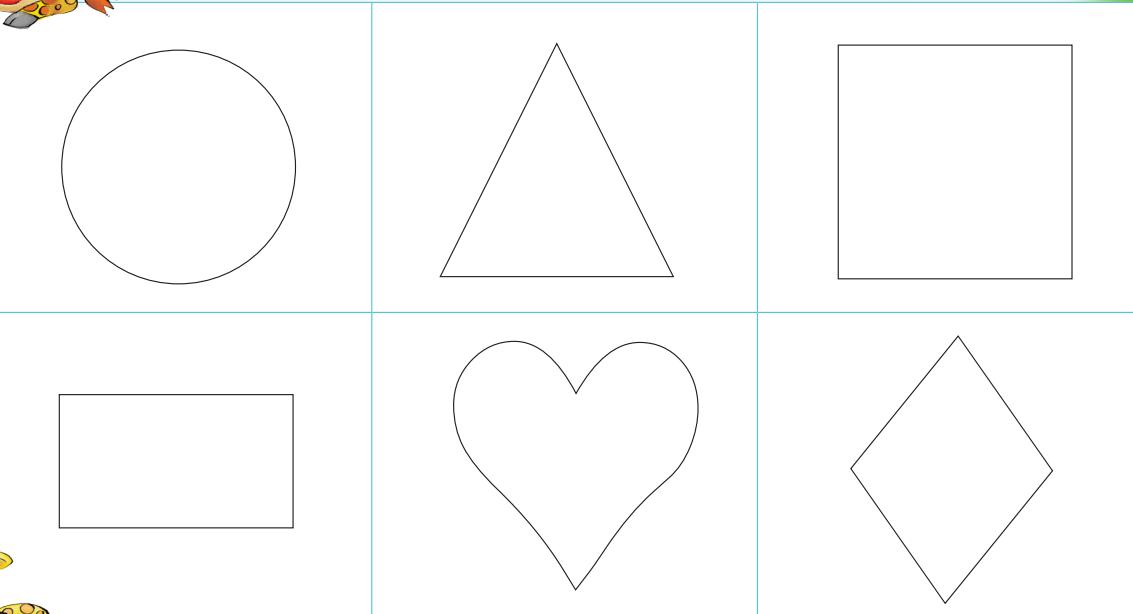
Languta xifaniso. Gwajula swivumbeko leswi kombisaka tihafu.

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

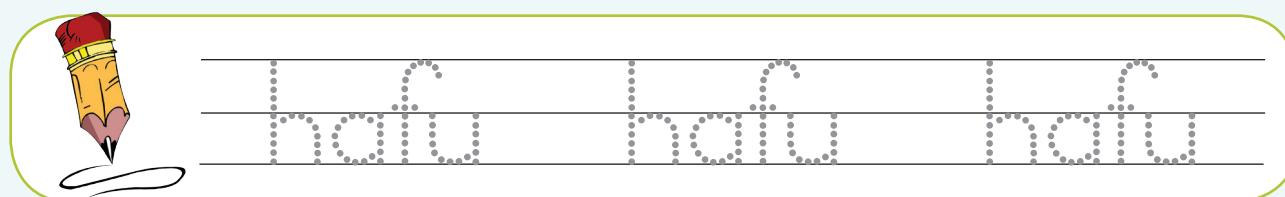
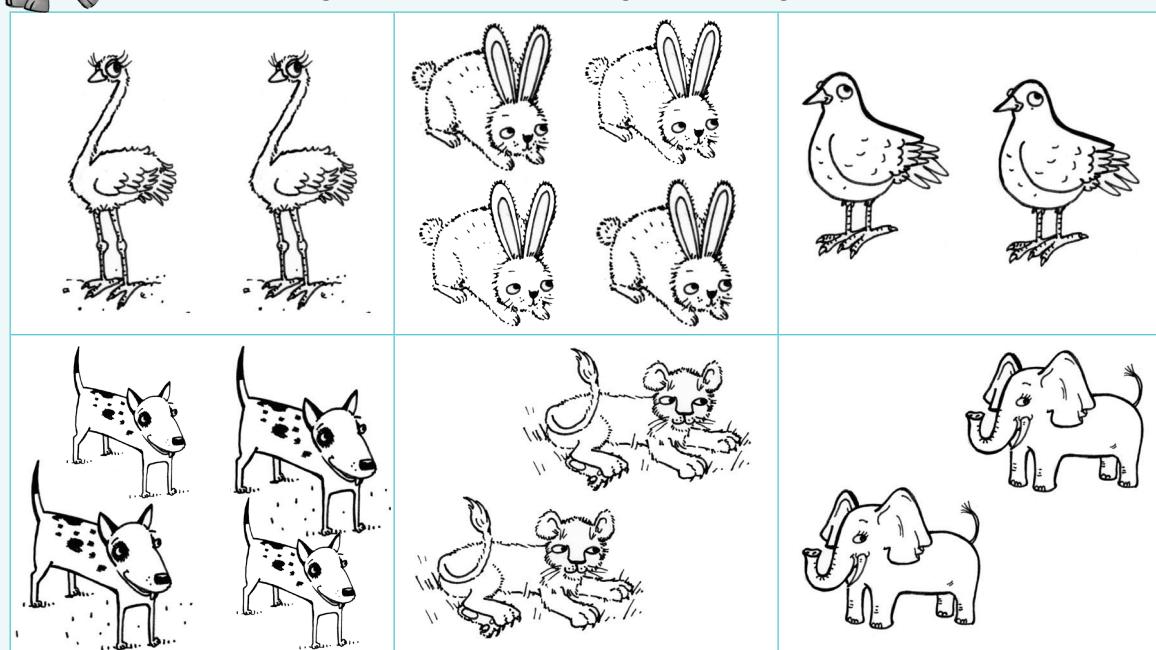




Khalara hafu ya xivumbeko xin'wana na xin'wana.



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



Teacher: _____
Sign: _____
Date: _____

q|

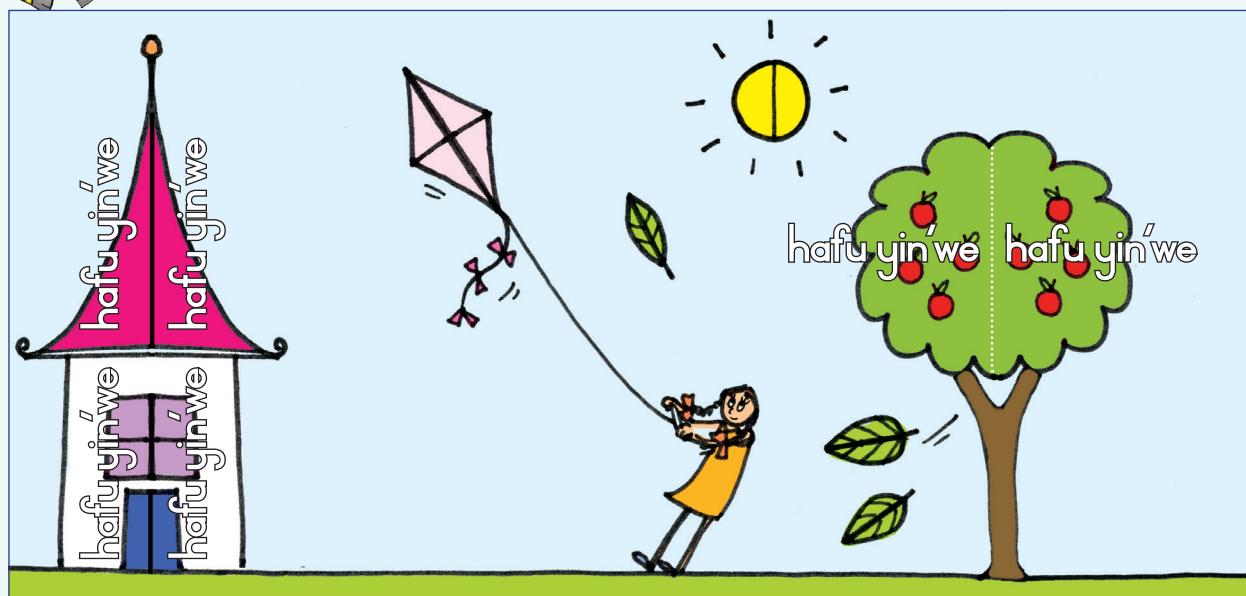


Swiphemu – tihafu tin'wana

Kotara 3



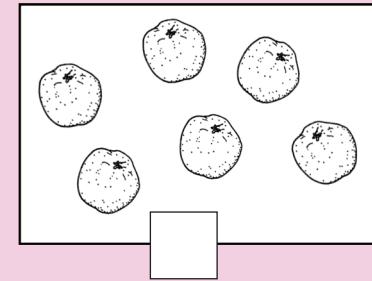
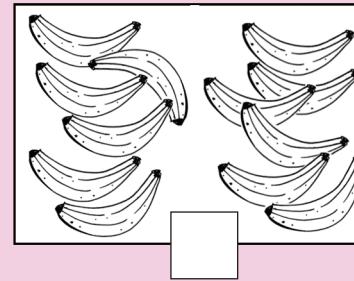
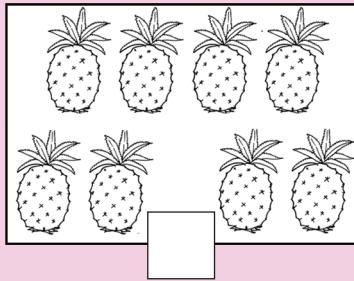
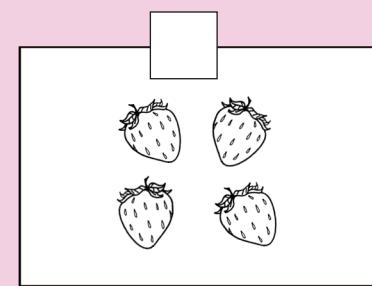
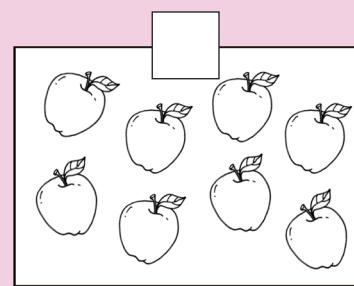
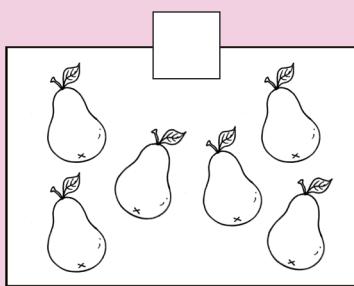
Languta xifaniso. Xana hafu yin'we swi vula yini?

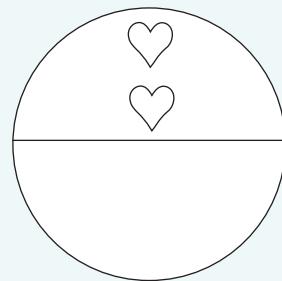
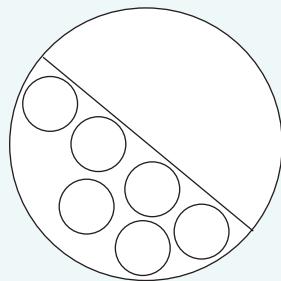
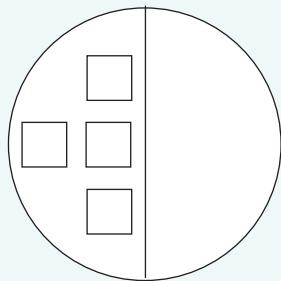
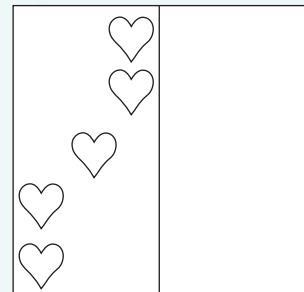
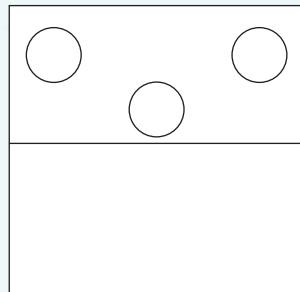
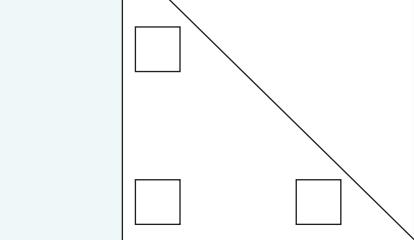


Hafu ya maqpula emurhini i .

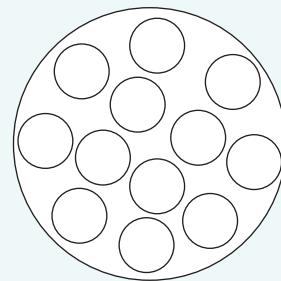
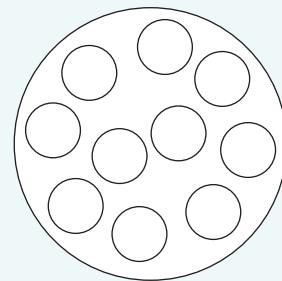
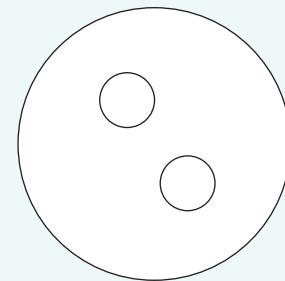
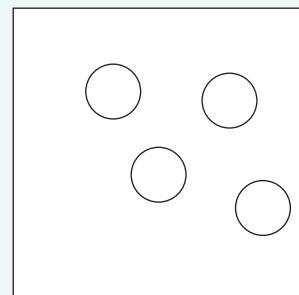
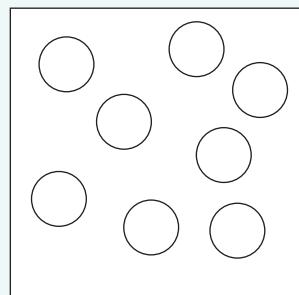
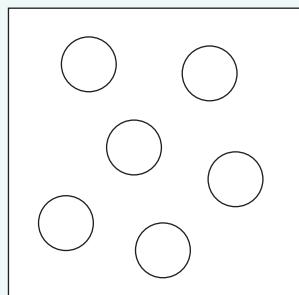


Khalara hafu ya mihandzu eka ntlawa wun'wana na wun'wana.
Xana nomboro ya mihandzu eka ntlawa wun'wana na wun'wana i yini?





Khalara hafu ya swivumbeko.



hafu hafu hafu



92



Ndhawu na matlhelo

Siku:

Kotara 3

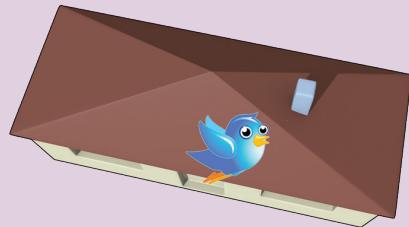
Xinyenyana xi yime kwihi? Marito ya ta ku pfuna.



Xiyenge xa muako xa
le mahlweni.



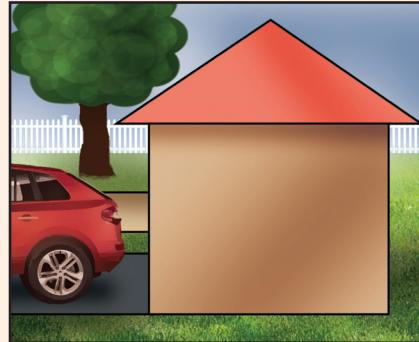
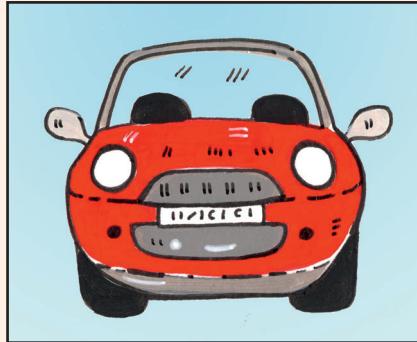
Xiyenge xa muako xa
le tlhelo.



Xiyenge xa muako xa
le henhla.

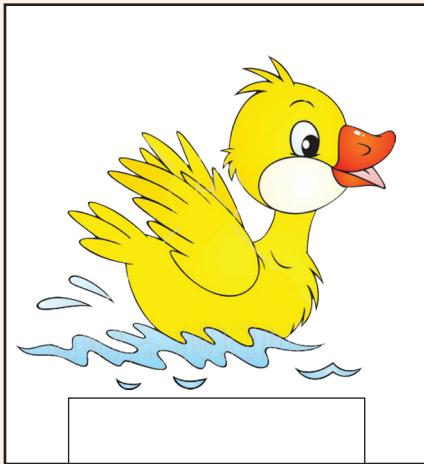


Xana munhu loyi a yimile kwihi loko a vona leswi?

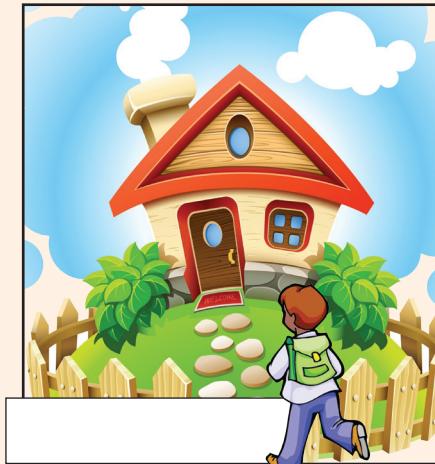


Tsala marito lama eka xifaniso. Xana munhu u vona yini?

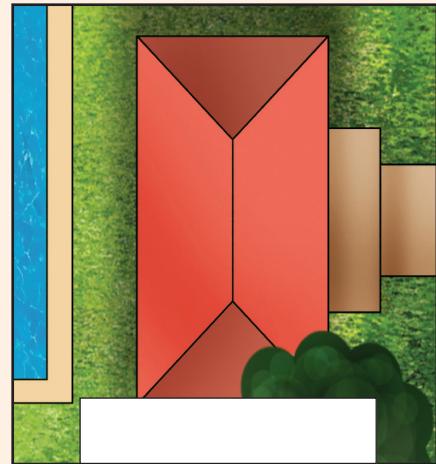
xiyenge xa le mahlweni



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?



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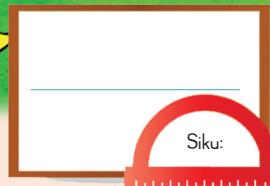
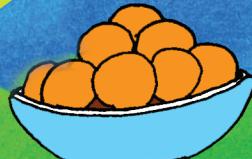
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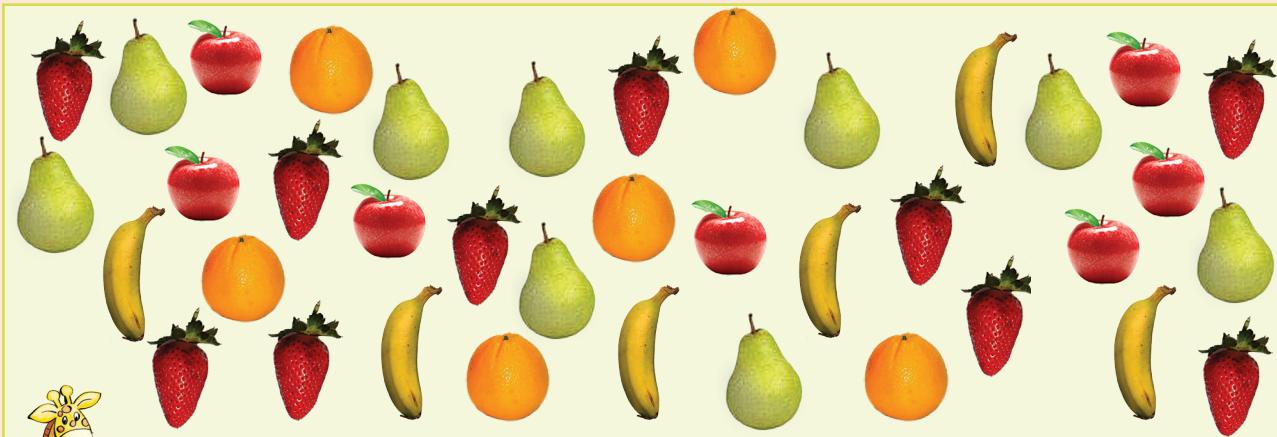
20

q3

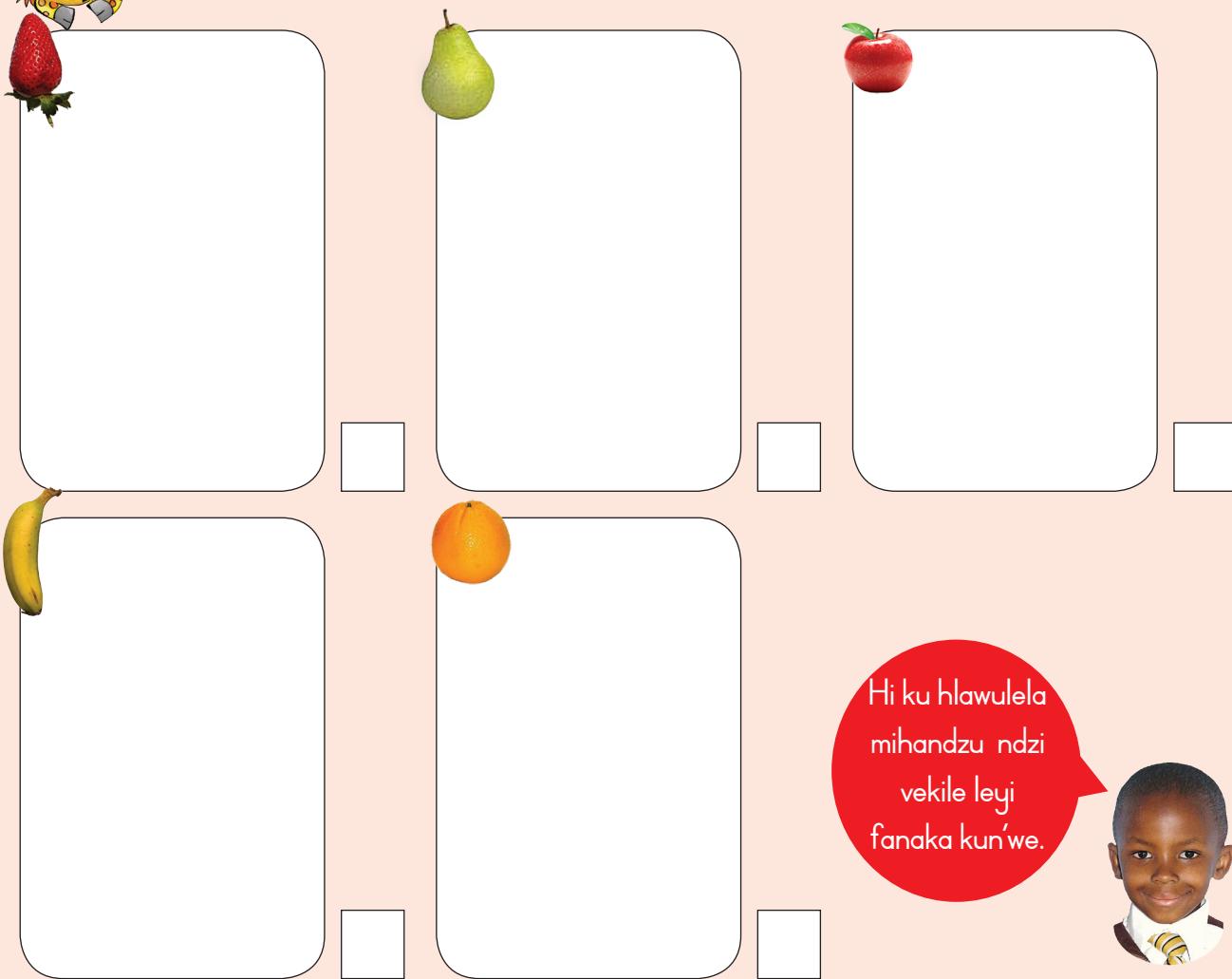


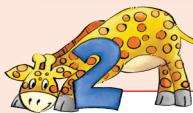
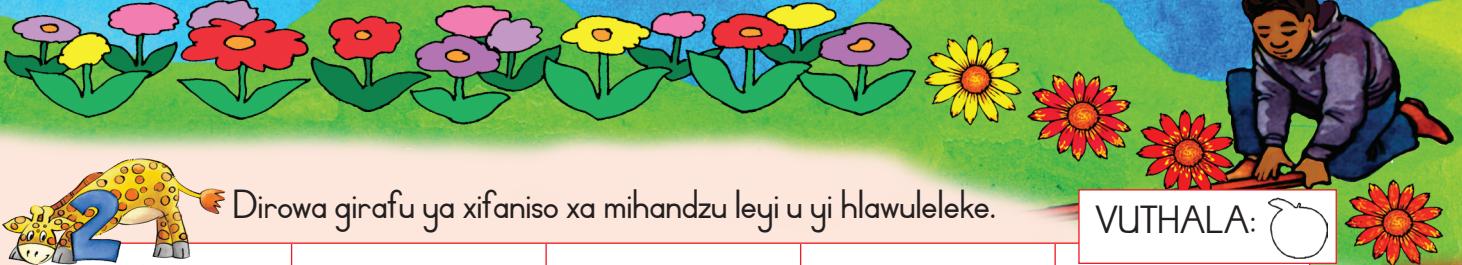
Switiviwa swin'wana swo tala

Kotara 3



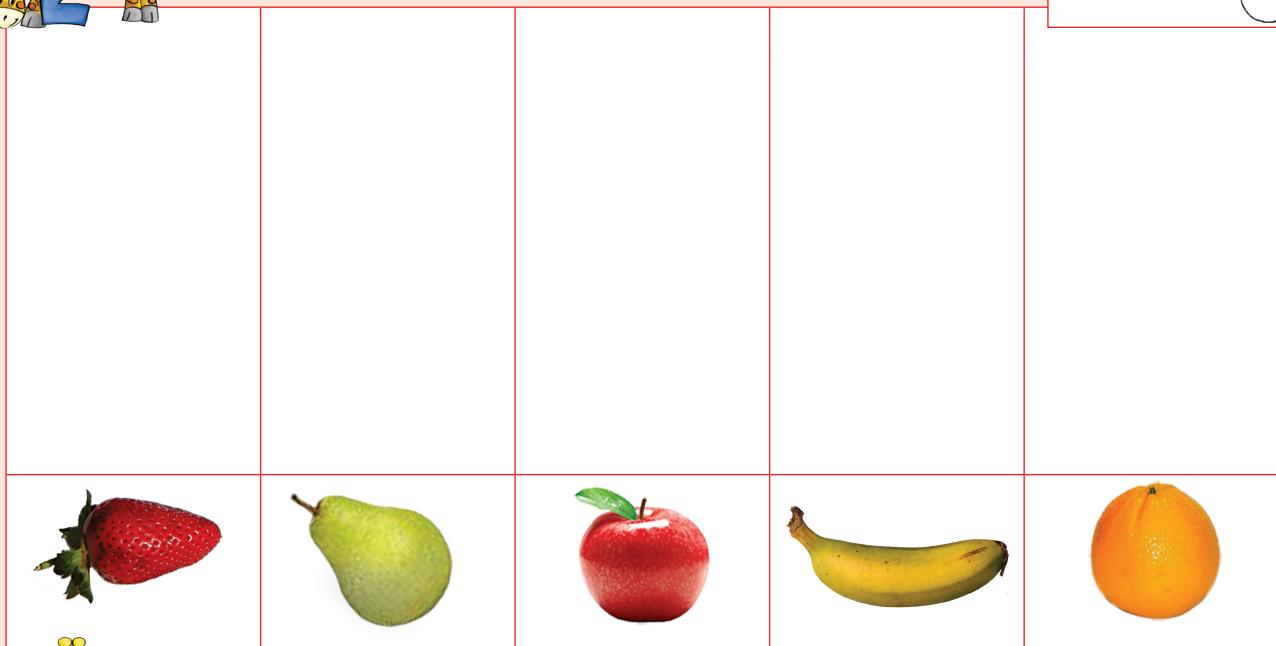
Hlawulela mihandzu. Dirowa swifaniso swa wena ku yi kombisa. Tsala ntsengo ebokisini.



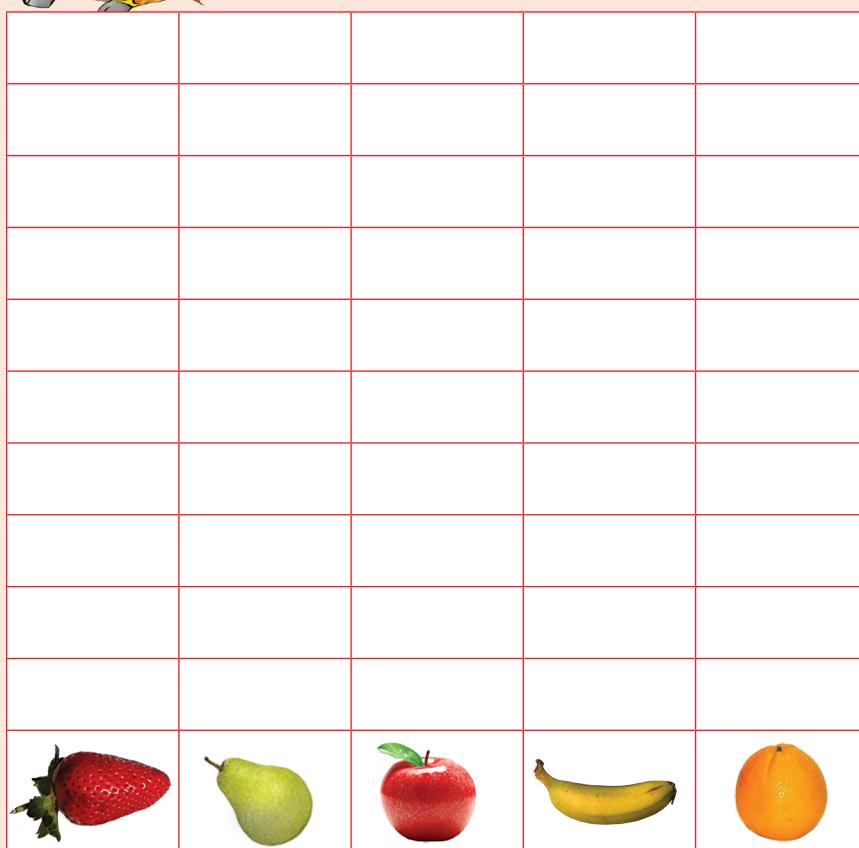


Dirowa girafu ya xifaniso xa mihandzu leyi u yi hlawuleleke.

VUTHALA:



Languta mihandzu kutani u hlamula swivutiso.



Hlamula swivutiso:

Xana hi wihi muhandzu lowu
nga tala?

Xana hi wihi muhandzu lowu
nga talangiki?



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94a



Swiphemu – tikotara

Kotara 3

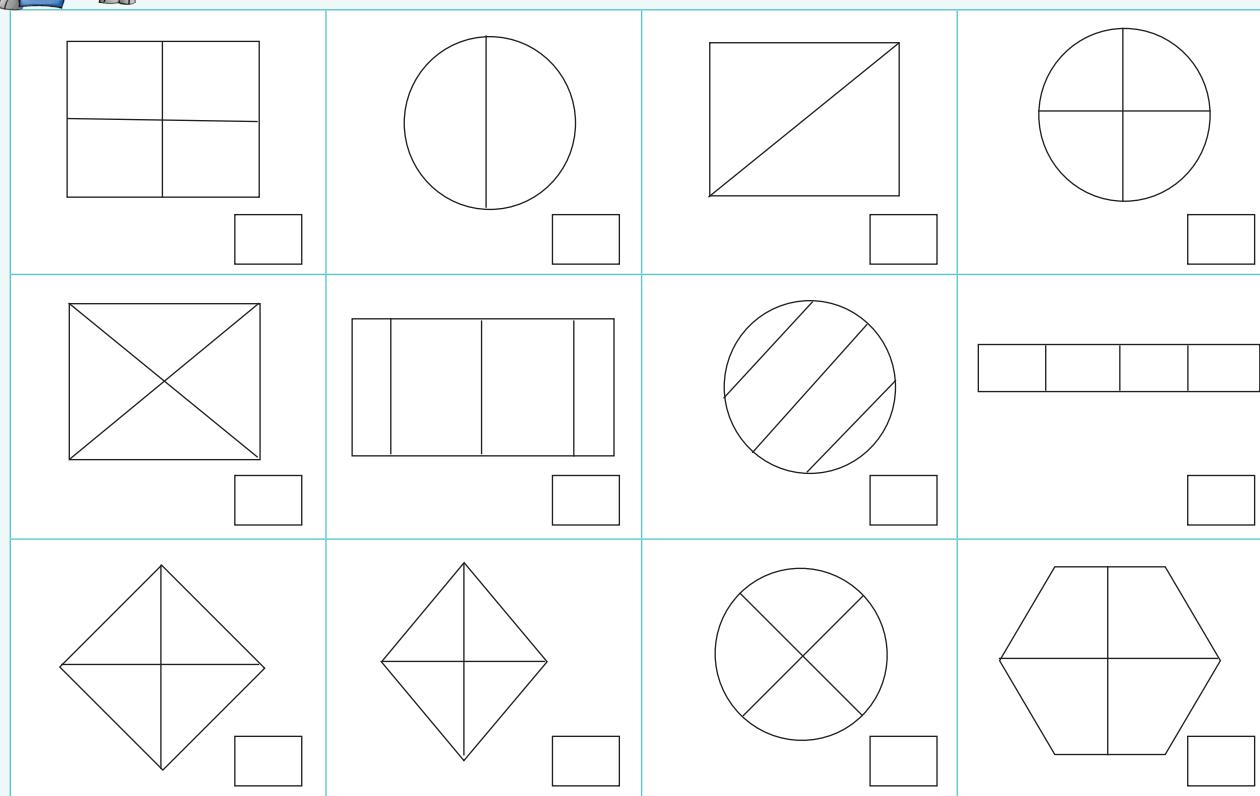


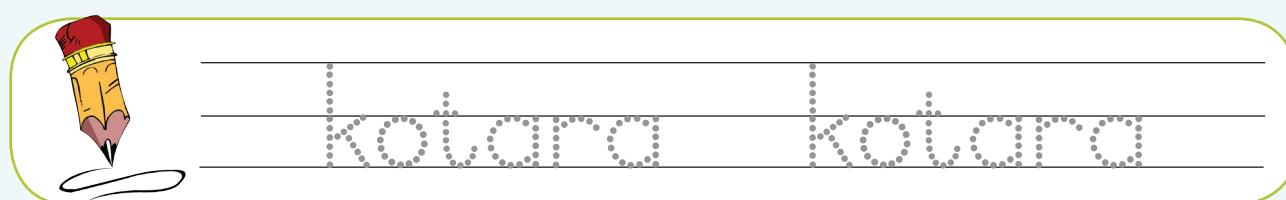
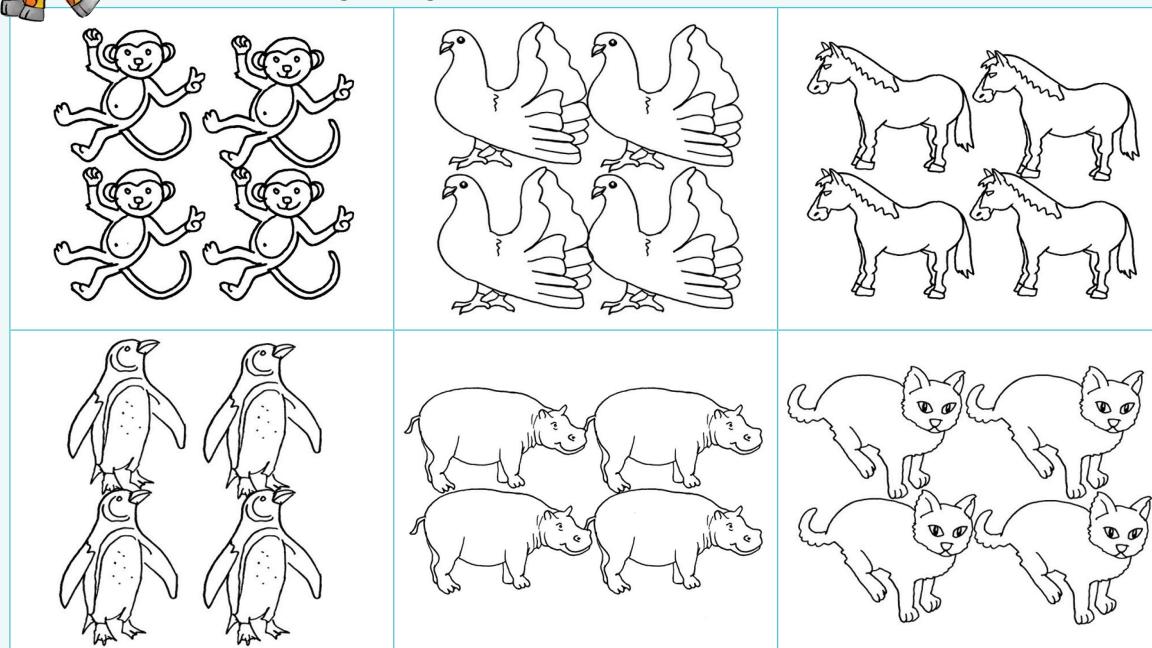
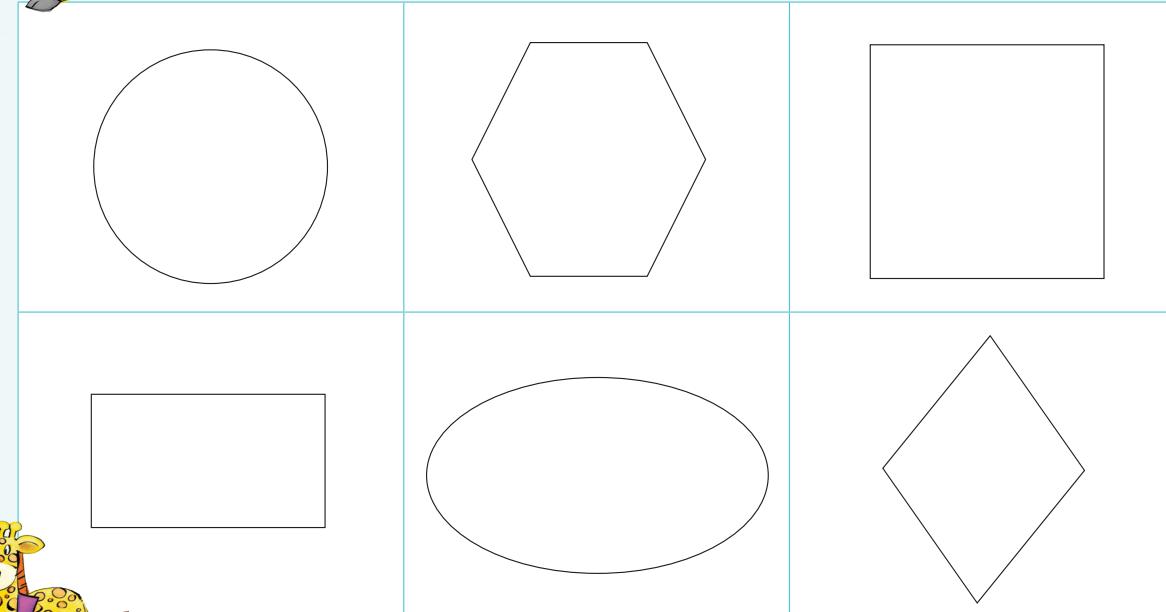
Khalara kotara yo hetelela hi muhlovo lowu fanaka.



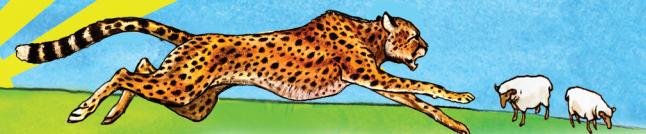
Gwajula swivumbeko leswi kombisaka kotara.

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





94b



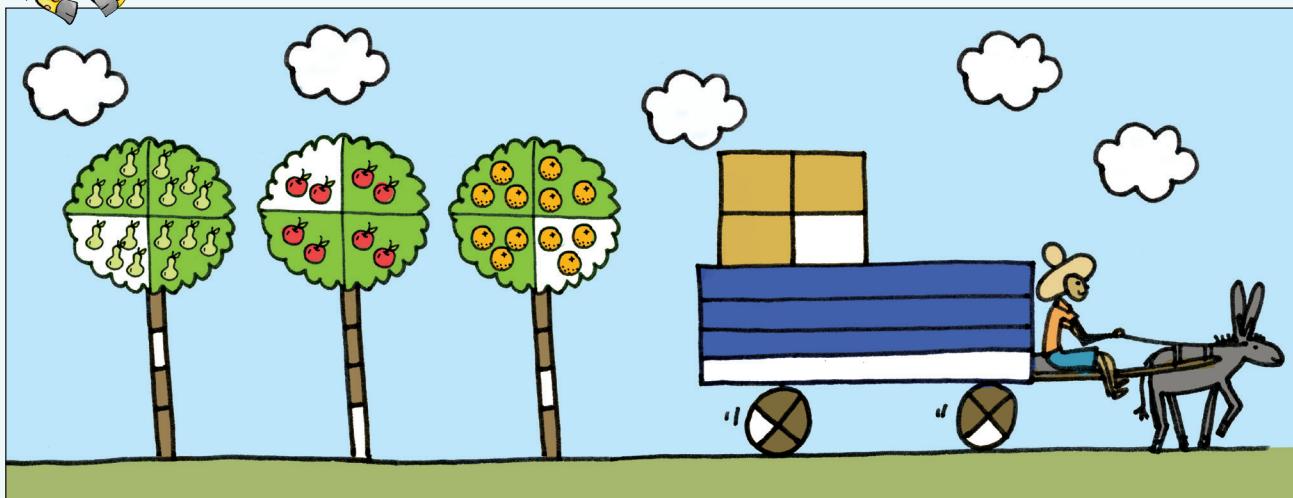
Siku:

Kotara 3

Swiphemu – tikotara tin'wana



Khalara kotara yo hetelela hi muhlovo lowu fanaka.



Hlamula leswi landzelaka:

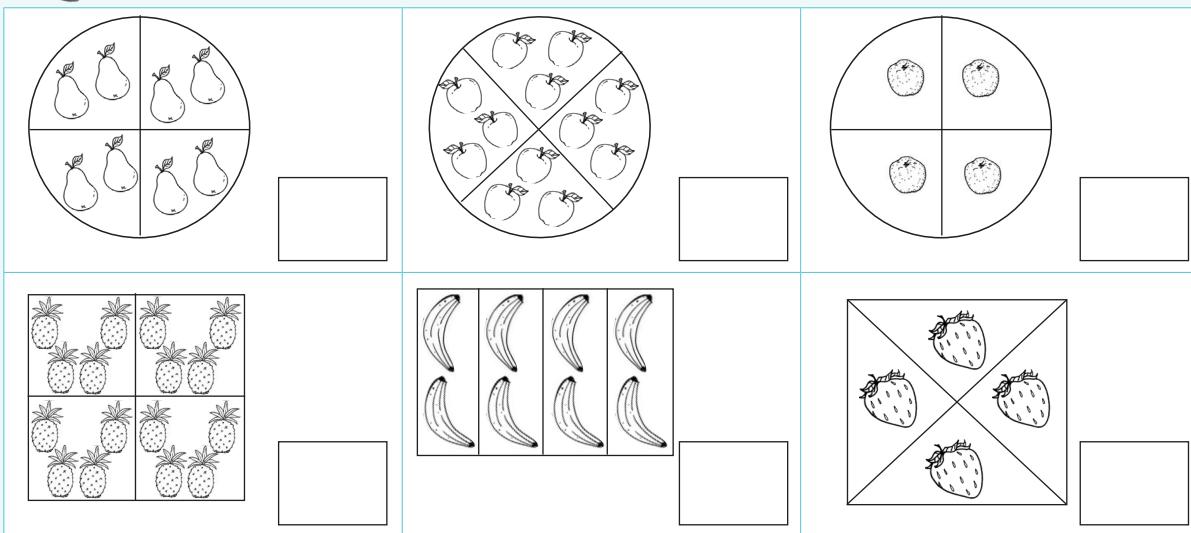
kotara yin'we ya tipyere emurhini i _____.

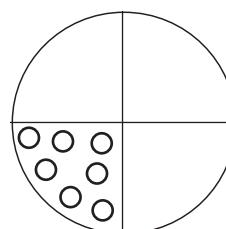
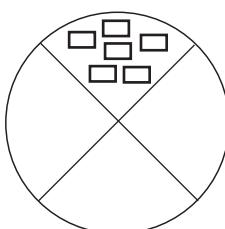
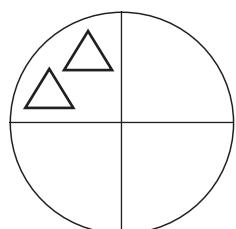
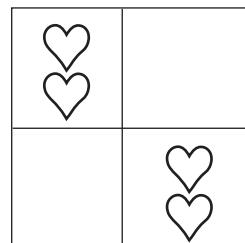
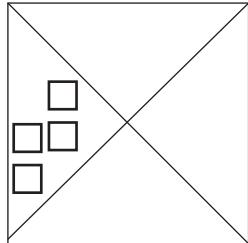
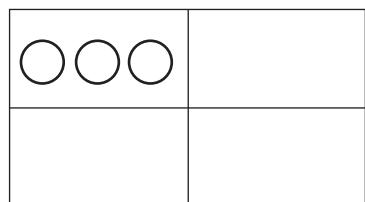
kotara yin'we ya maapula emurhini i _____.

kotara yin'we ya malamula emurhini i _____.

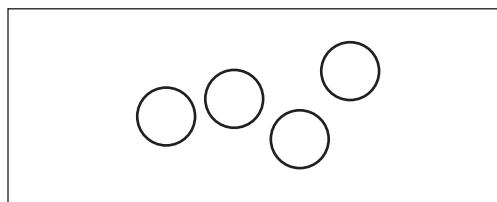
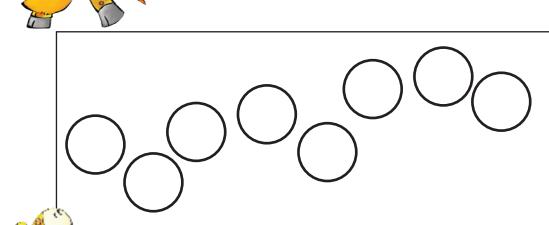


Khalara kotara ya mihandzu eka ntlawa wun'wana na wun'wana. Xana kotara ya nhlayo ya mihandzu eka ntlawa wun'wana na wun'wana i yini.

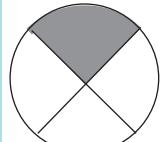
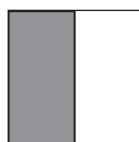
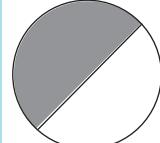
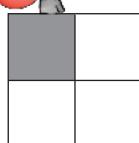




Kombisa kotara yin'we ya swivumbeko.



Hi xihi lexikulu? Fungha nhlamulo leyi faneleke.



hafu yin'we



kotara yin'we



Kolara tikotara

Teacher: _____
Sign: _____
Date: _____

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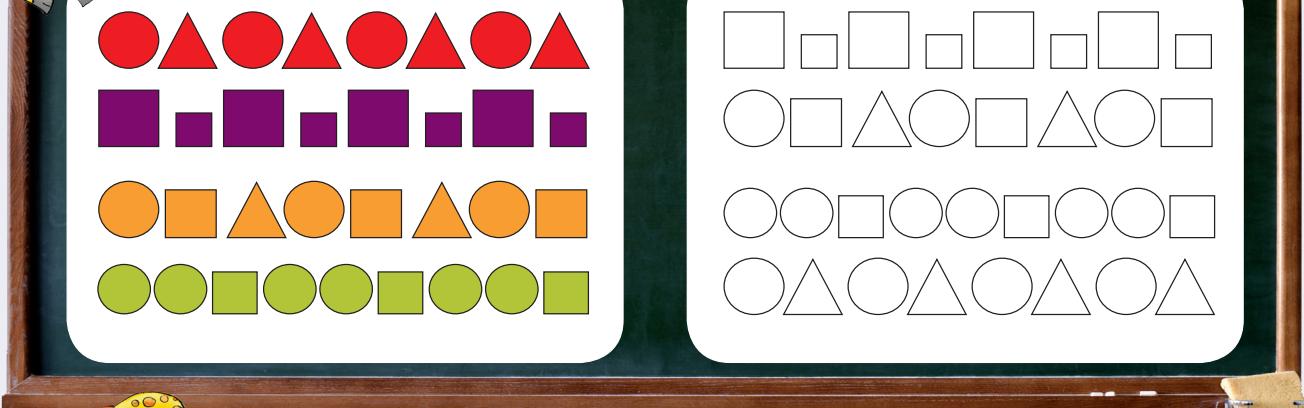
Kotara 3

Yelanisa tipatironi.

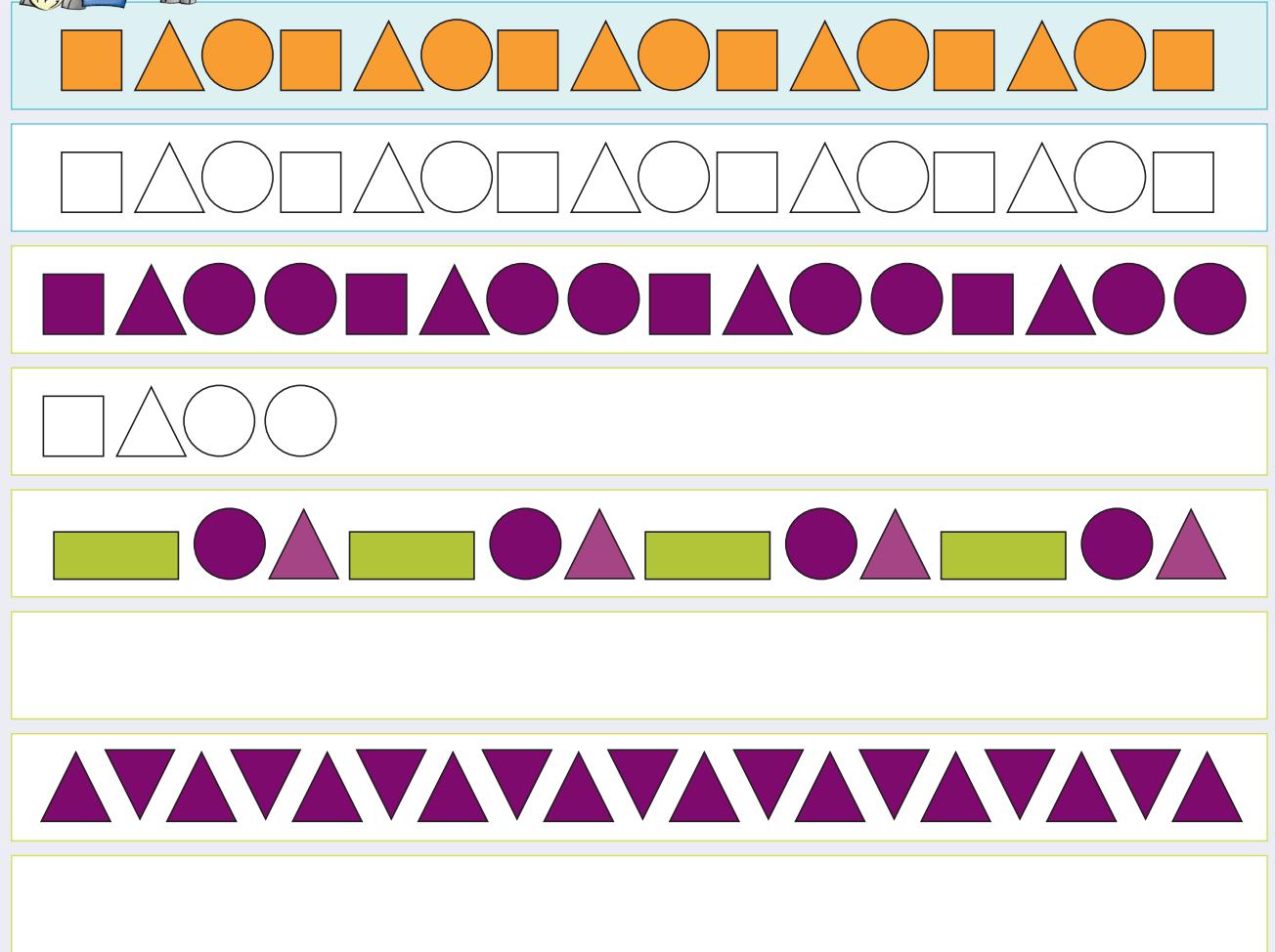


Tipatironi ta tinomboro ta swivumbeko

Siku:

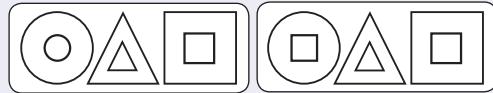


 Kopunula tipatironi leti landzelaka.





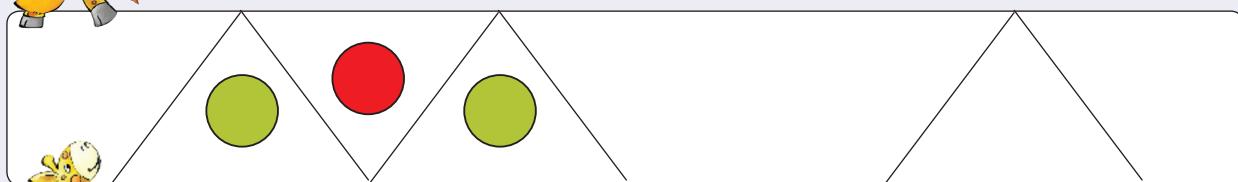
Khalara patironi leyi landzelaka.



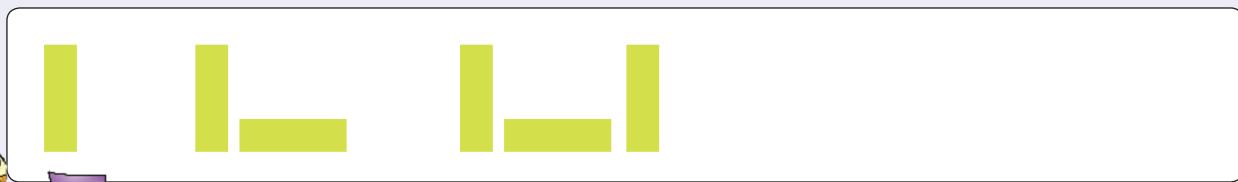
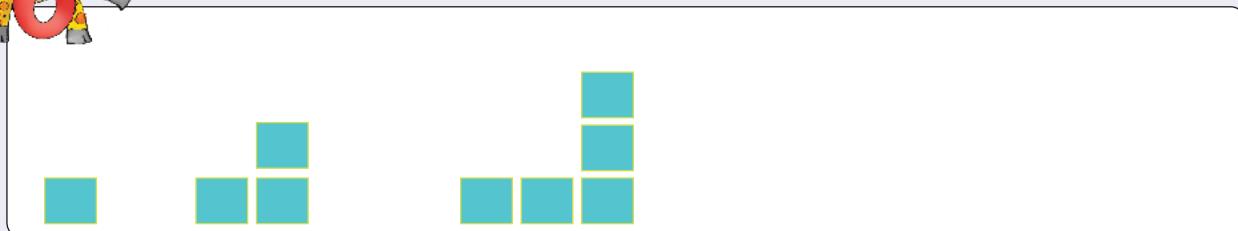
Dirowa patironi leyi landzelaka.



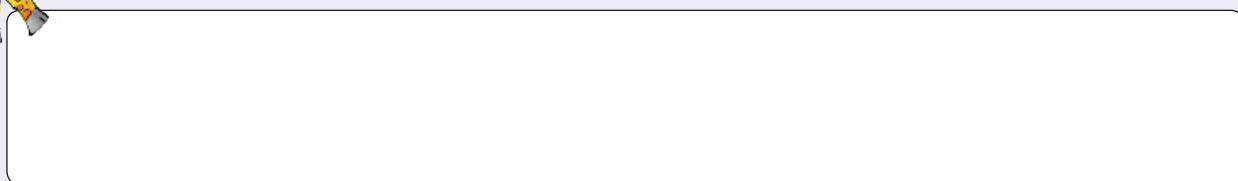
Engetela patironi ya wena.



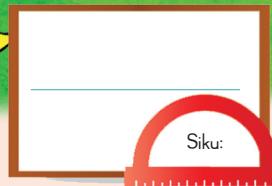
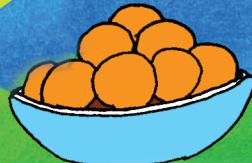
Dirowa patironi leyi landzelaka.



Dirowa patironi ya wena.

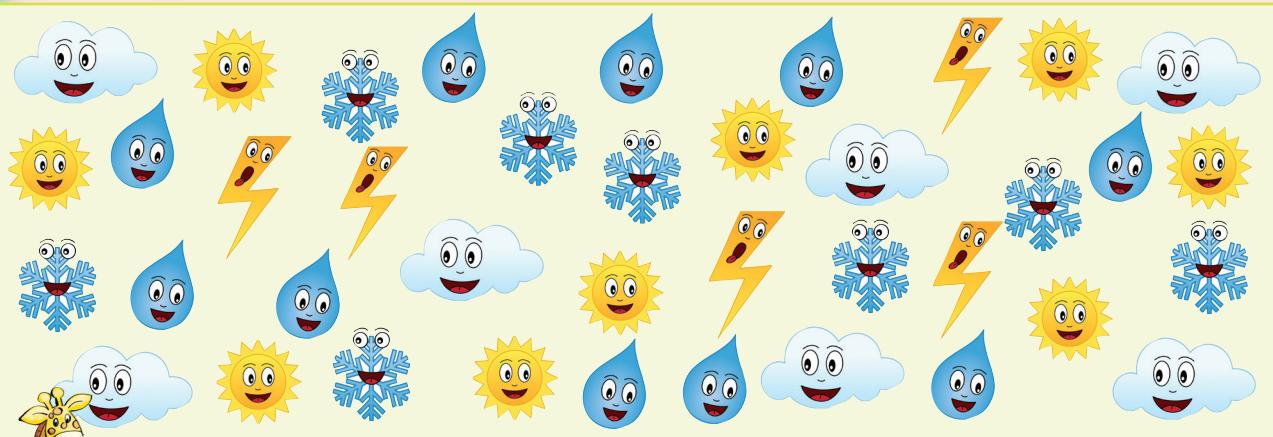


q6

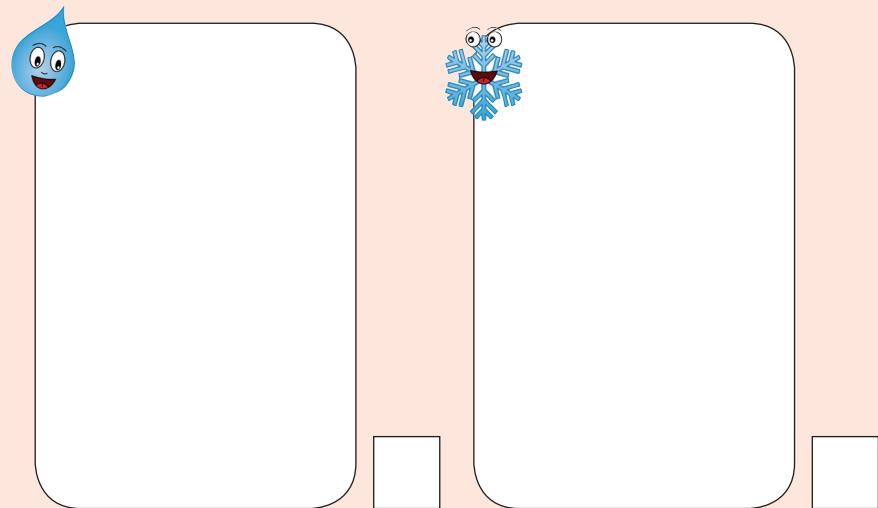
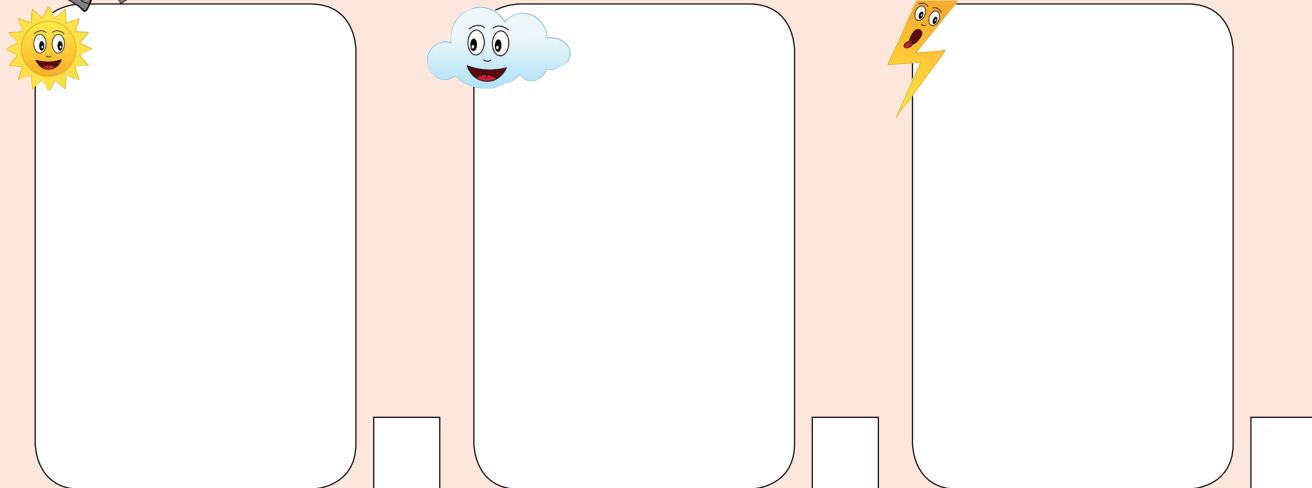


Ku hlawula switiviwa

Kotara 3



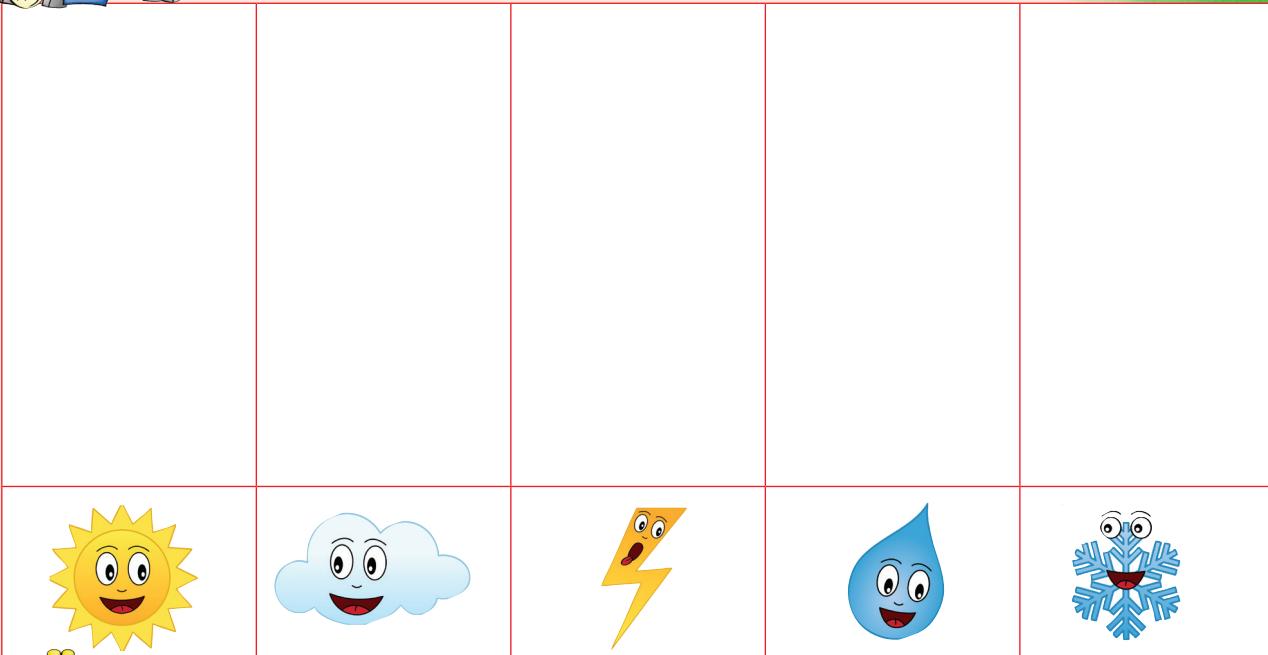
Hlawula mifungho ya maxelo. Dirowa xifaniso xa wena. Tsala ntsengo ebokisini.





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?



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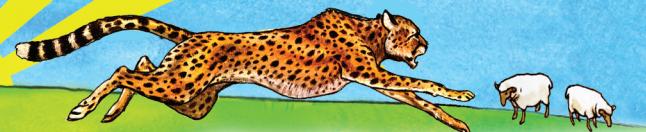
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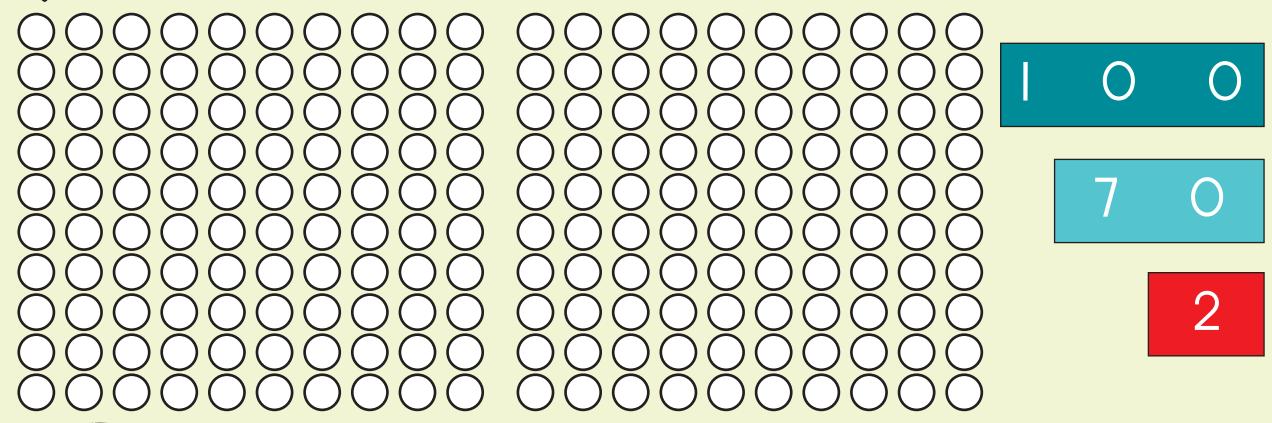
q7



Tinomboro ta l50 – l80

Khalara l72 wa swirhendzevutana.

Kotara 4



Tsala xivulwa xa tinomboro xa:

$$\begin{array}{r} \textcolor{teal}{1} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{5} \textcolor{white}{0} \\ \hline \textcolor{red}{8} \end{array}$$

$$100 + 50 + 8 = 158$$



$$\begin{array}{r} \textcolor{teal}{1} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{5} \textcolor{white}{0} \\ \hline \textcolor{red}{q} \end{array}$$

=

$$\begin{array}{r} \textcolor{teal}{1} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{7} \textcolor{white}{0} \\ \hline \textcolor{red}{2} \end{array}$$

=

$$\begin{array}{r} \textcolor{teal}{1} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{5} \textcolor{white}{0} \\ \hline \textcolor{red}{0} \end{array}$$

=

$$\begin{array}{r} \textcolor{teal}{1} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{6} \textcolor{white}{0} \\ \hline \textcolor{red}{7} \end{array}$$

=

$$\begin{array}{r} \textcolor{teal}{1} \textcolor{white}{0} \textcolor{white}{0} \\ + \textcolor{lightblue}{7} \textcolor{white}{0} \\ \hline \textcolor{red}{5} \end{array}$$

=



Hi tiki tinomboro leti nghenaka exikarhi:

$$l50 \text{ na } l58$$

$$l72 \text{ na } l77$$

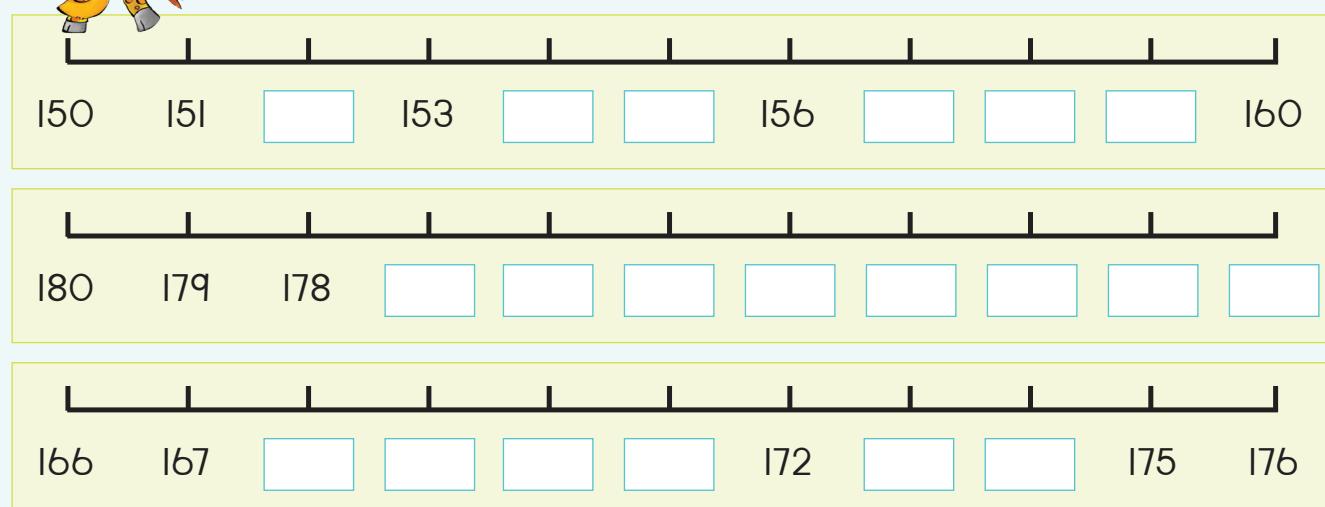
$$l80 \text{ na } l75$$

$$l60 \text{ na } l55$$

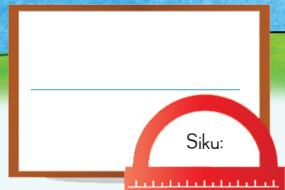
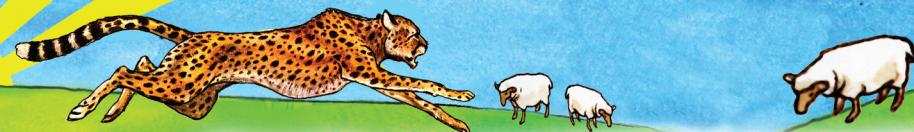
$$l65 \text{ na } l60$$



Letitsongo	Nomboro	Letikulu
	157	
	165	
	178	
	161	
	174	



q8

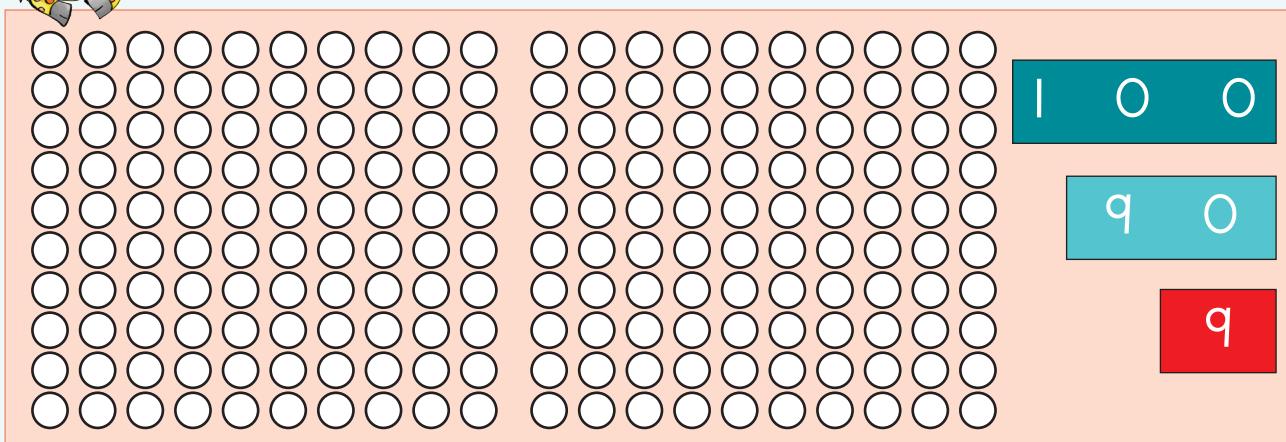


Tinomboro ta l70 – 200

Kotara 4



Khalara l99 wa swirhendzevutana.



Tsala nomboro ya:

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

$100 + 70 + 7 = 177$

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

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

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

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

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



Hi tihī tinomboro leti nghenaka exikarhi ka:

l70 na l75

l98 na l95

l80 na l75

l68 na l73

200 na l96

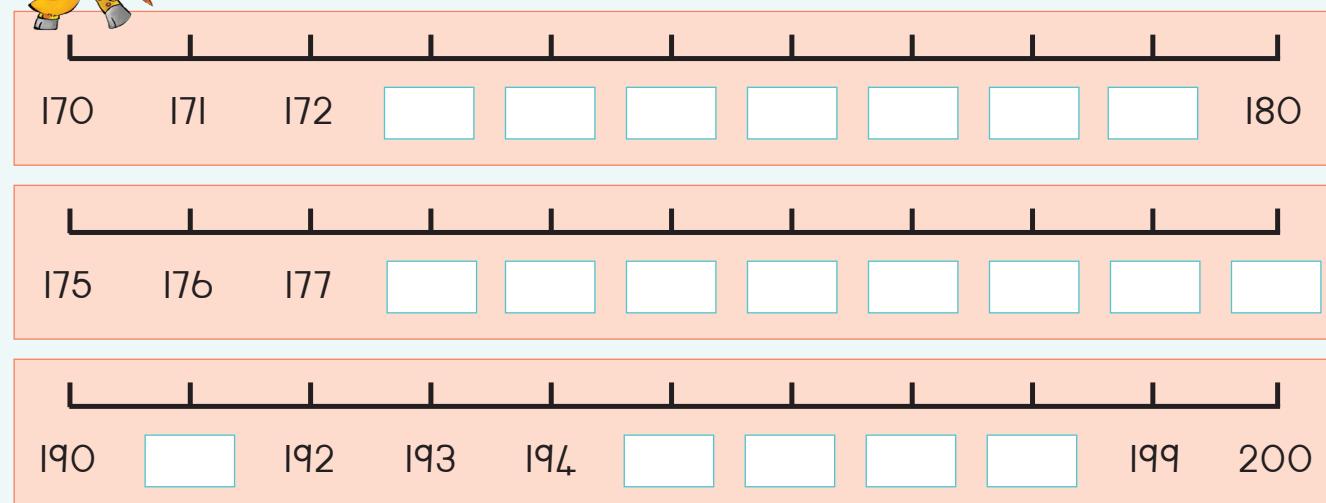


Nyika tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi.

Letitsongo	Nomboro	Letikulu
	170	
	198	
	185	
	174	
	181	



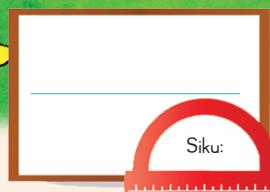
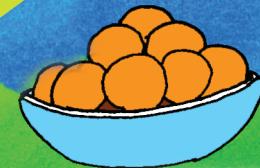
Hetisa mindzhati ya mintsengo.



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



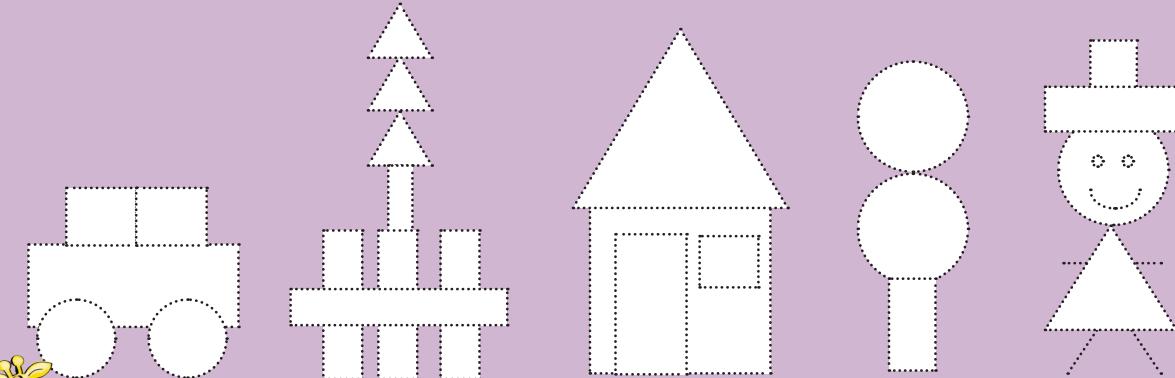
qq



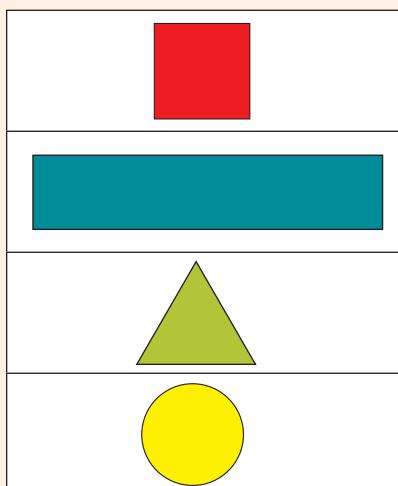
Swivumbeko swa 2 wa matlhelo

Kotara 4

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

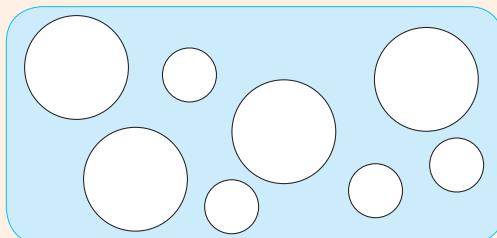


Yelanisa rito na xivumbeko.



Khalara:

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



yinhlanhharhu

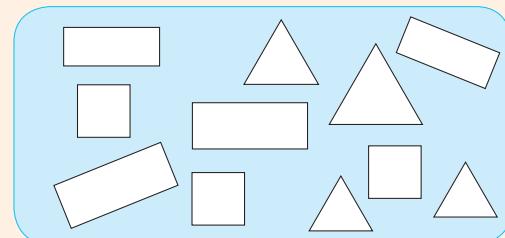
xirhendzevutana

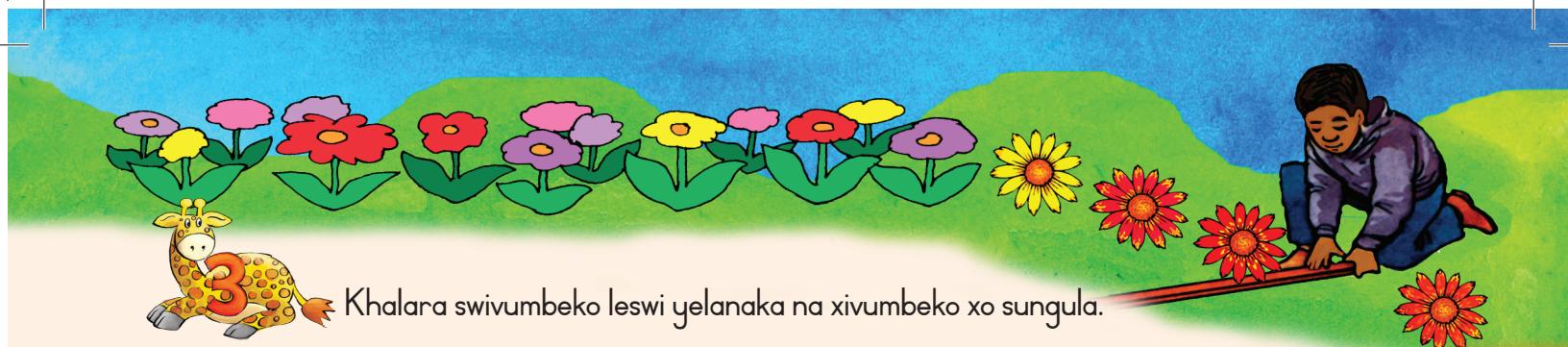
xikwere

yinhlamune

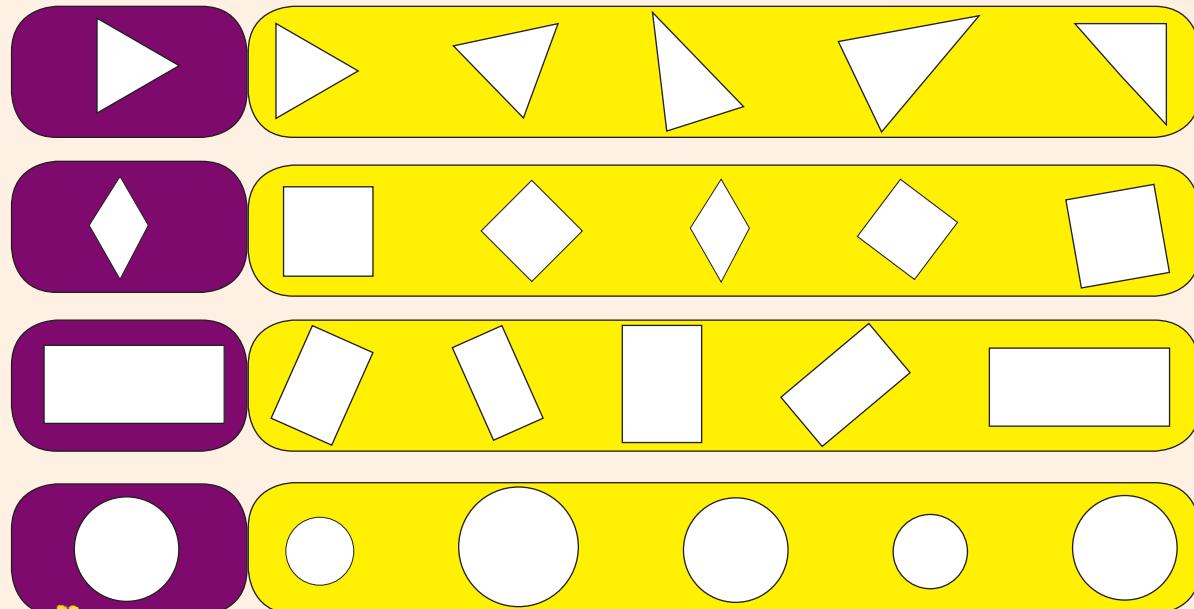
Khalara:

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





Khalara swivumbeko leswi yelanaka na xivumbeko xo sungula.



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



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



100



Tinomboro ta 0 – 200

Kotara 4



Xana u nga endla tinomboro to hambana tingani?

100	40	2
q	50	100
20	1	70
		8



Hetisa leswi landzelaka:

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



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

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



Hlanganisa leswi landzelaka:

$60 + 4 = \boxed{}$

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

$90 + 8 = \boxed{}$

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

$40 + 7 = \boxed{}$

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

$30 + 6 = \boxed{}$

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

$50 + 2 = \boxed{}$

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

Tatisa nomboro leyi siyiweke:

$70 + \boxed{} = 71$

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

$30 + \boxed{} = 38$

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

$60 + \boxed{} = 69$

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

$20 + \boxed{} = 24$

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

$80 + \boxed{} = 85$

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



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

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

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



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

5	0	9
1	0	0

1	0	0
9	4	0

4	1	0	0
	5	0	

Teacher:
Sign:
Date:

101

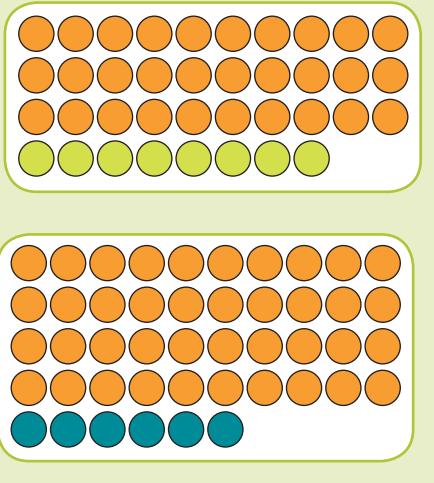


Ku hlanganisa na ku susa

Languta bodo ya tinomboro na vuhlalu. Bula hi swona.

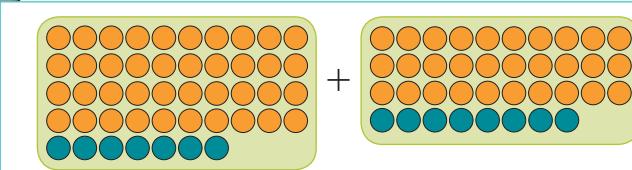
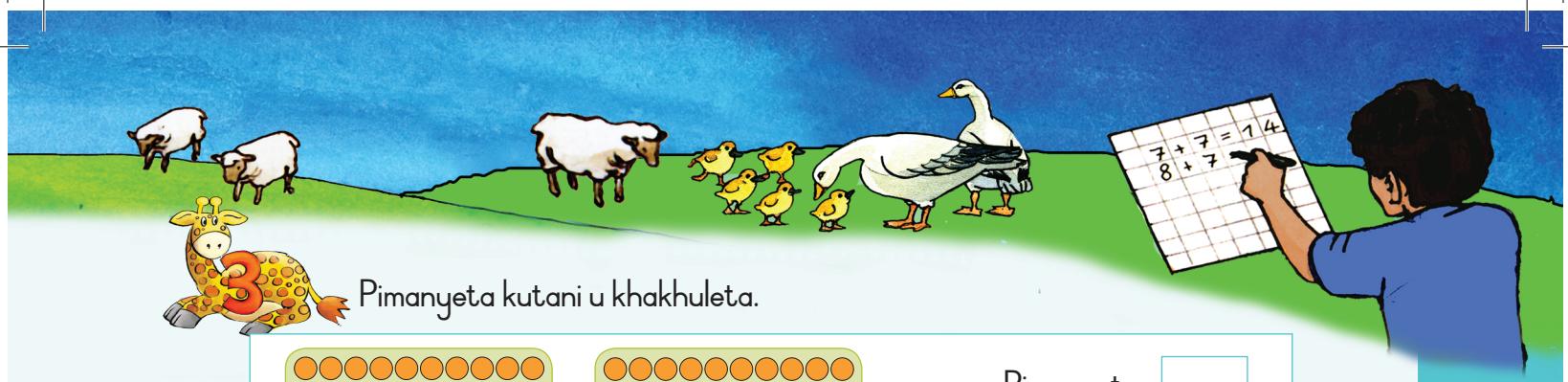
Kotara 4

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

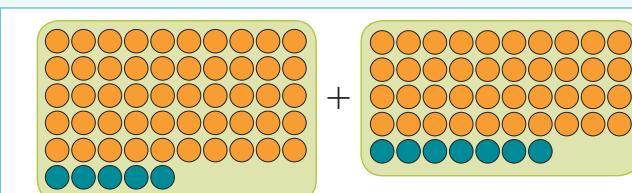


Hlanganisa kumbe u susa vuhlalu.

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



Pimanyeta
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?



Teacher: _____
Sign: _____
Date: _____



Ku hlanganisa na ku susa nakambe



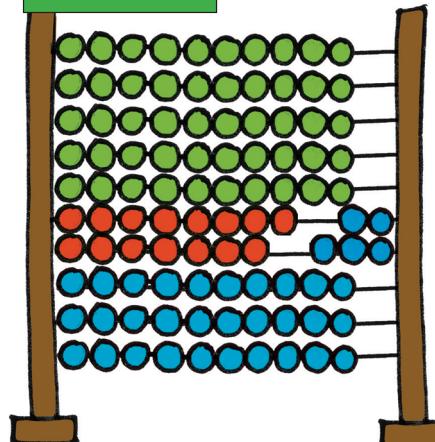
Languta abakhasi eximatsini na le xineneni. Xana u vona yini?

2 0

8

3 0

7

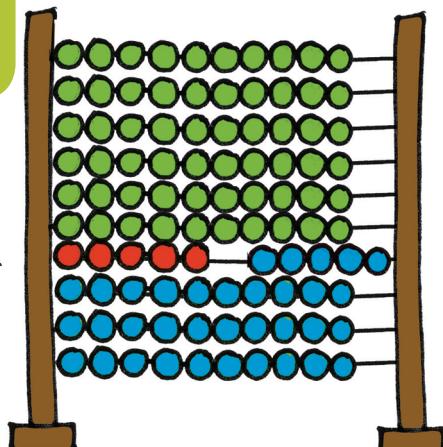


Hlanganisa
tinomboro timbirhi.

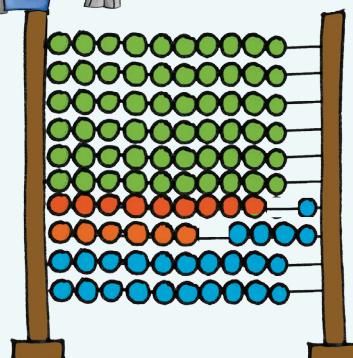
6 0

5

Ti
ringana na?

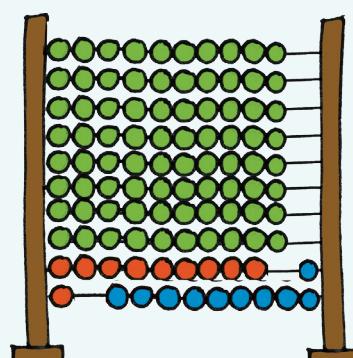


Tsala nhlayo yo hlanganisa na yo susa. Yi khakhulete.



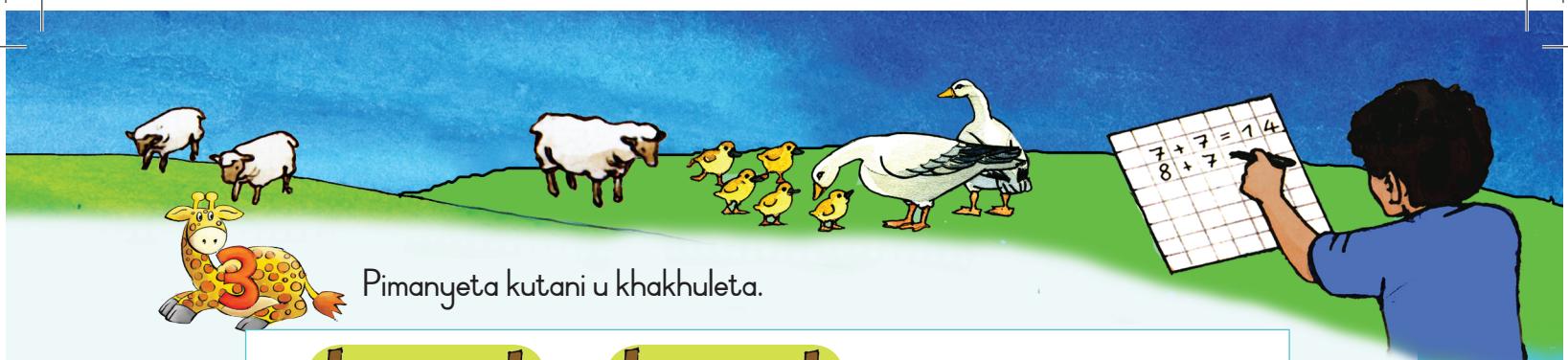
Nhlayo yo hlanganisa

Nhlayo yo susa



Nhlayo yo hlanganisa

Nhlayo yo susa



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



$58 + 35$

$34 - 26$



Teacher: _____
Sign: _____
Date: _____

Loko u hlanganisa 72 na 19 u kuma yini?

Ntsengo wa 46 na 27.

Susa 34 eka 72.

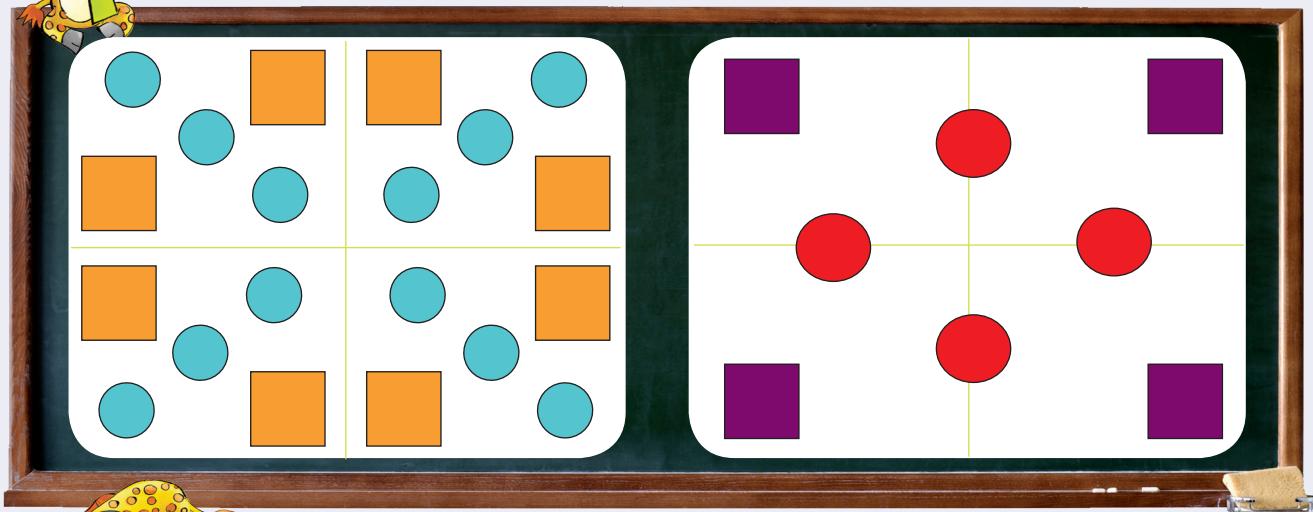
Ku hambana exikarhi ka 81 na 36.

103

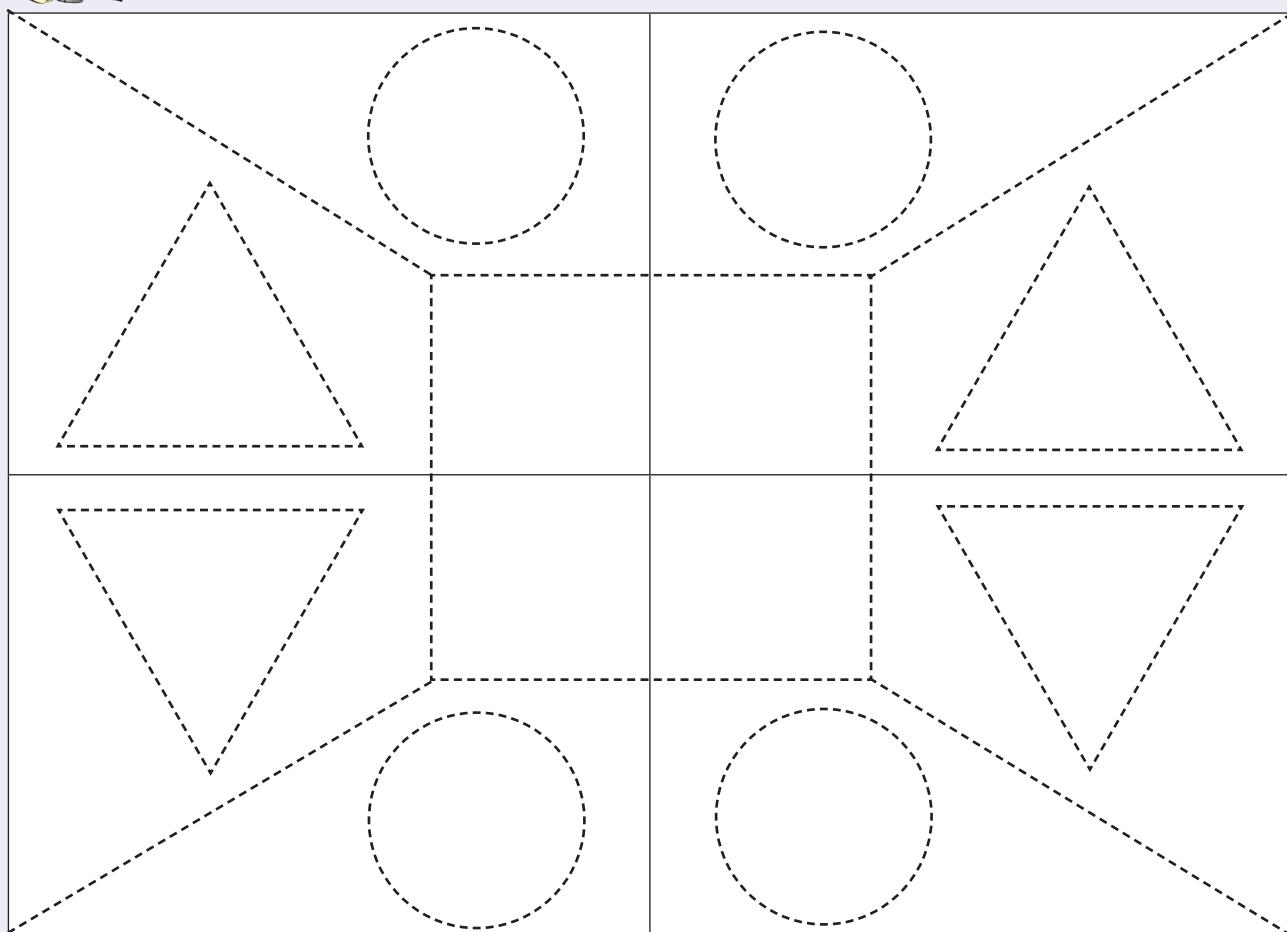
Tipatironi ta swivumbeko

Kotara 4

Hlamusela patironi.

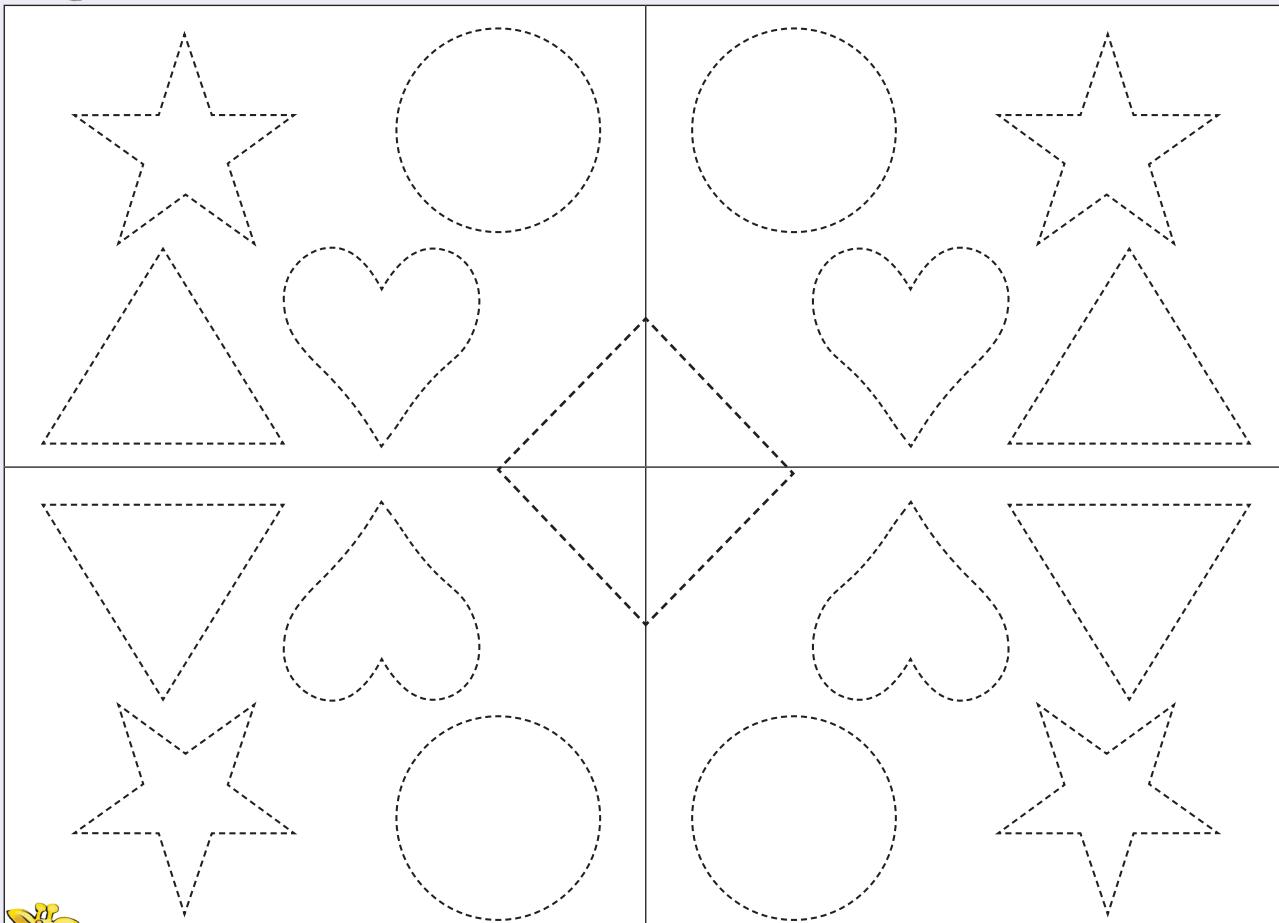


Landzelerisa patironi kutani u yi khalara.





Landzelerisa patironi kutani u yi khalara.



Endla patironi ya wena u tirhisa swivumbeko.



104



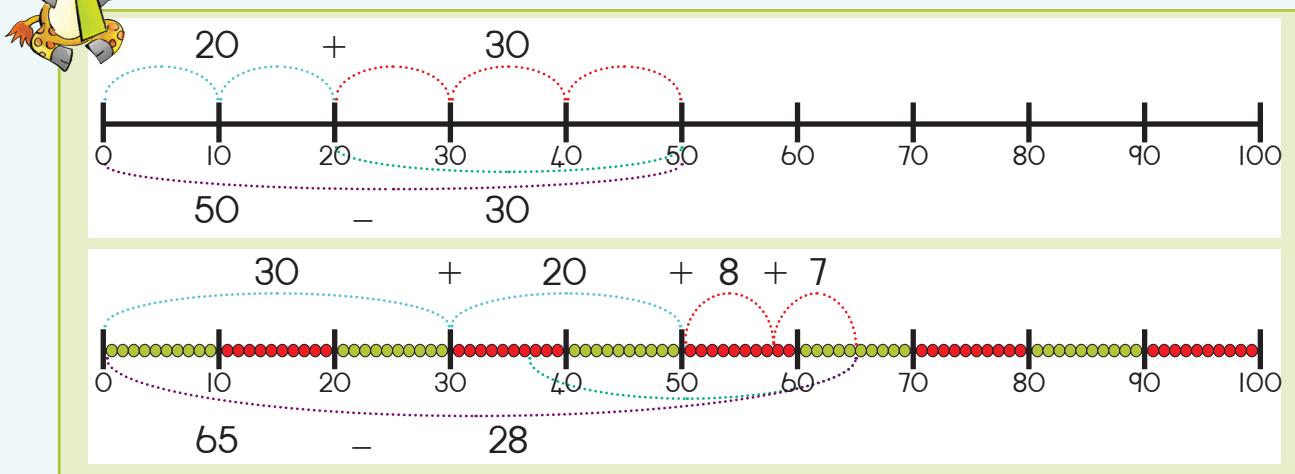
Siku:

Ku hlanganisa na ku susa kun'wana

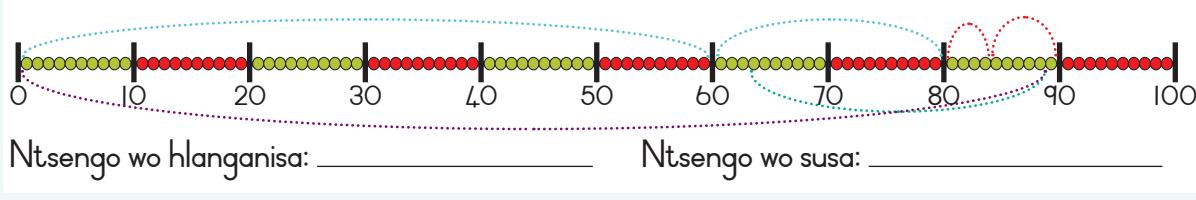
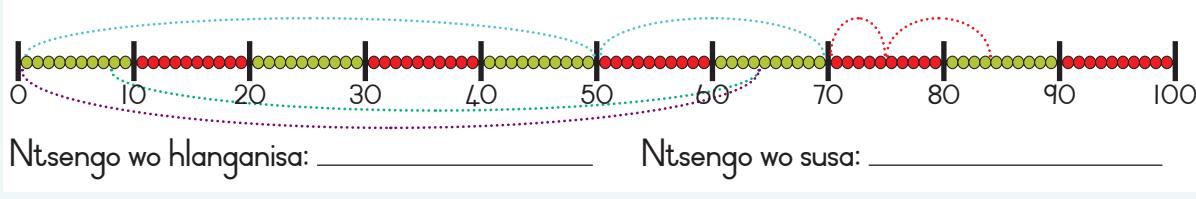
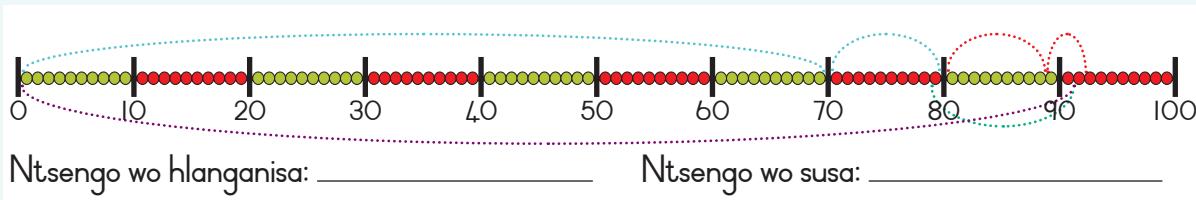
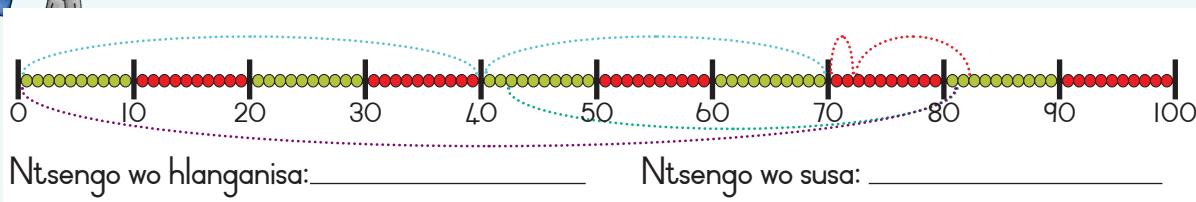
Kotara 4



Languta mindzhati ya mintsengo. Bula hi yona.

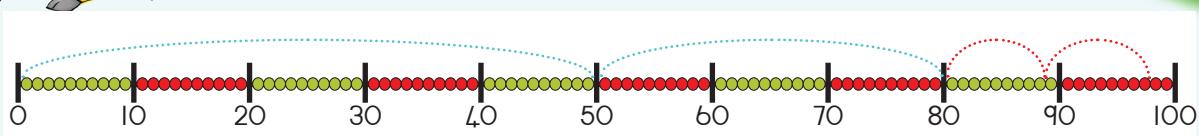


Tsala tinhlayo to hlanganisa na to susa u tirhisa ndzhati wa mintsengo.



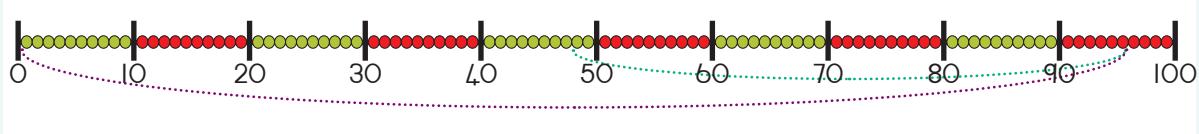


Pimanyeta u tlhela u khakhuleta vuhlalu.



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

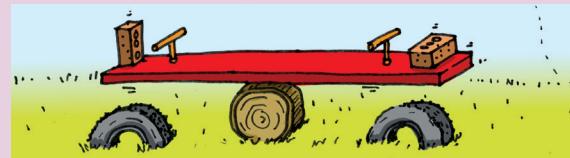


Ringanisa matlhelo.

$10 + 4 + 5$

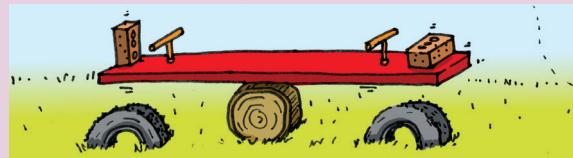
$9 +$

$+ \quad$



$90 - 50$

$\quad - 20$



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	

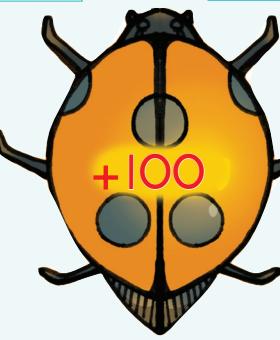


Hetisa leswi landzelaka:

25

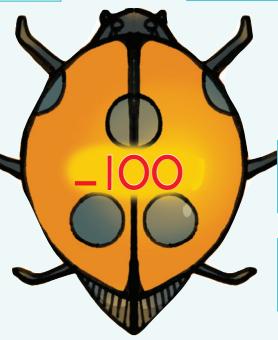
37

89



175

163





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

$$\begin{array}{r} \text{q} \quad 0 \\ - \\ \text{l} \quad 0 \quad 0 \end{array} \quad \begin{array}{r} \text{2} \quad 0 \\ + \\ \text{3} \end{array} \quad \begin{array}{r} 5 \\ \hline 3 \quad 0 \end{array}$$



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



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?



106

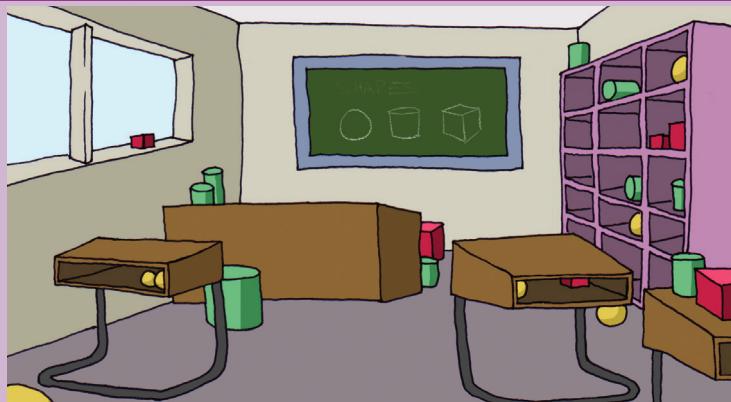


Swilo swa 3 wa matlhelo

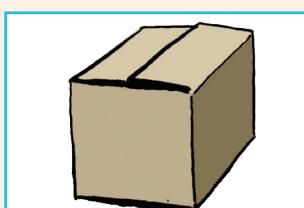
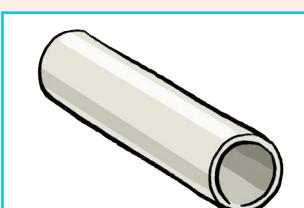
Siku:

Kotara 4

Xana mabokisi, tibolo na
tisilindara swi le kwih?



Vula loko xi ri bokisi, bolo, kumbe silindara.

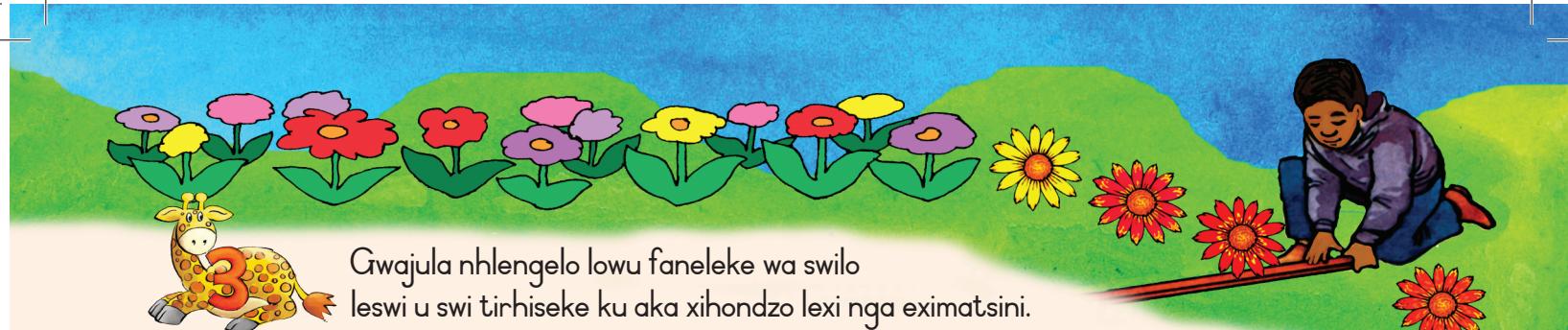


Kuma swifaniso swa leswi landzelaka kutani u swi damarheta laha.

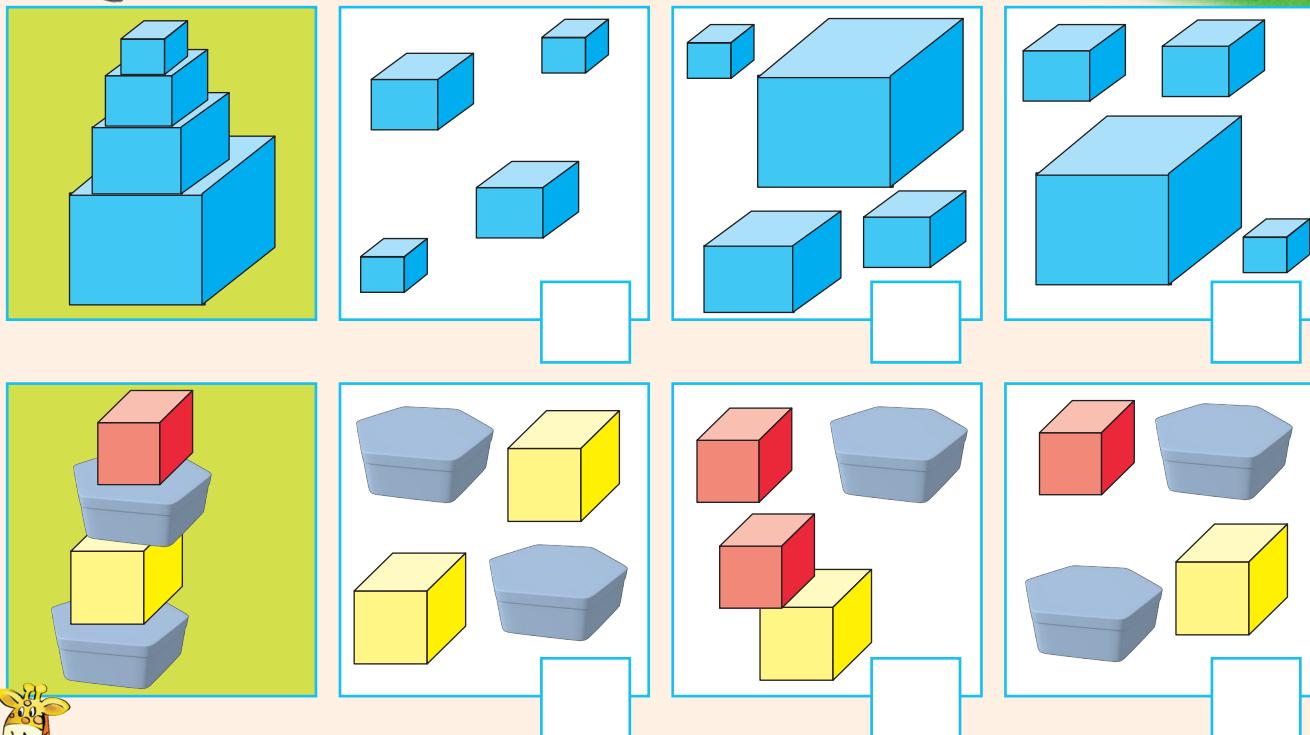
Bolo

Bokisi

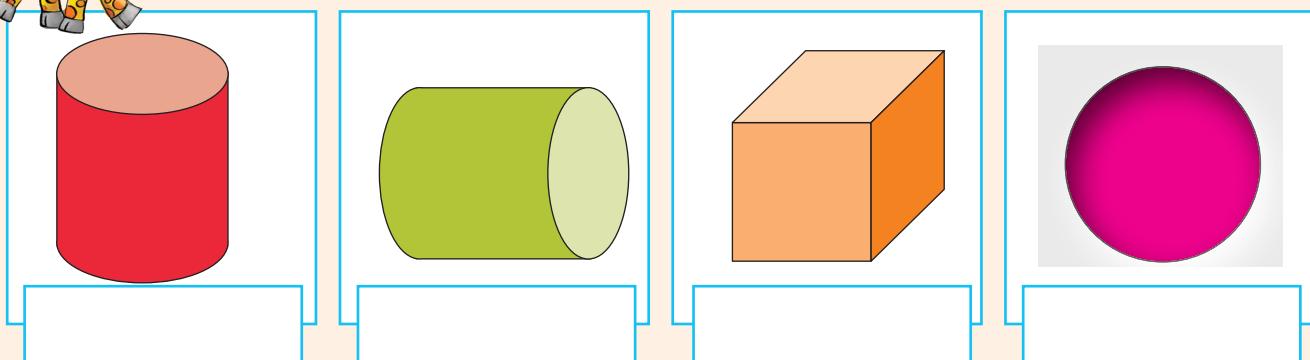
Silindara



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/>



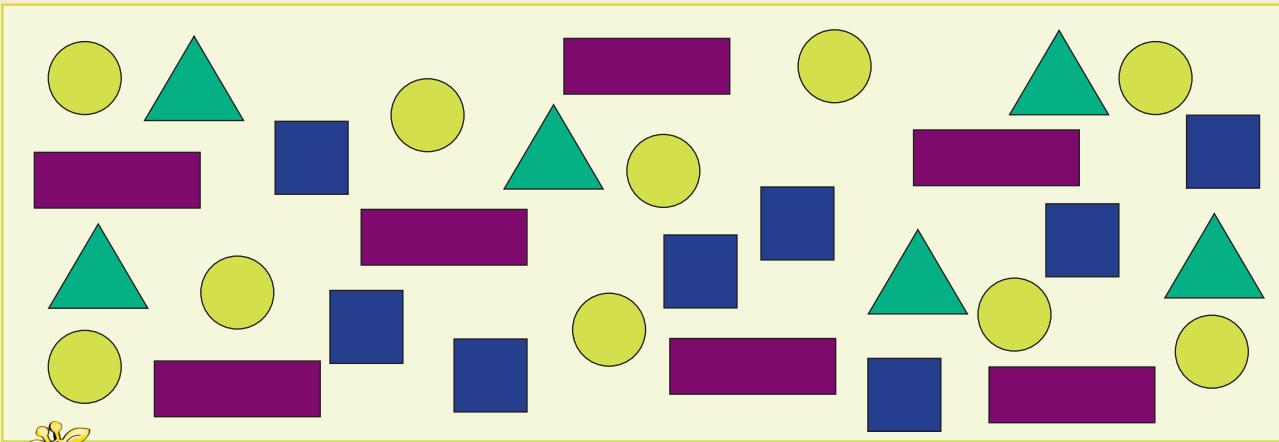
107



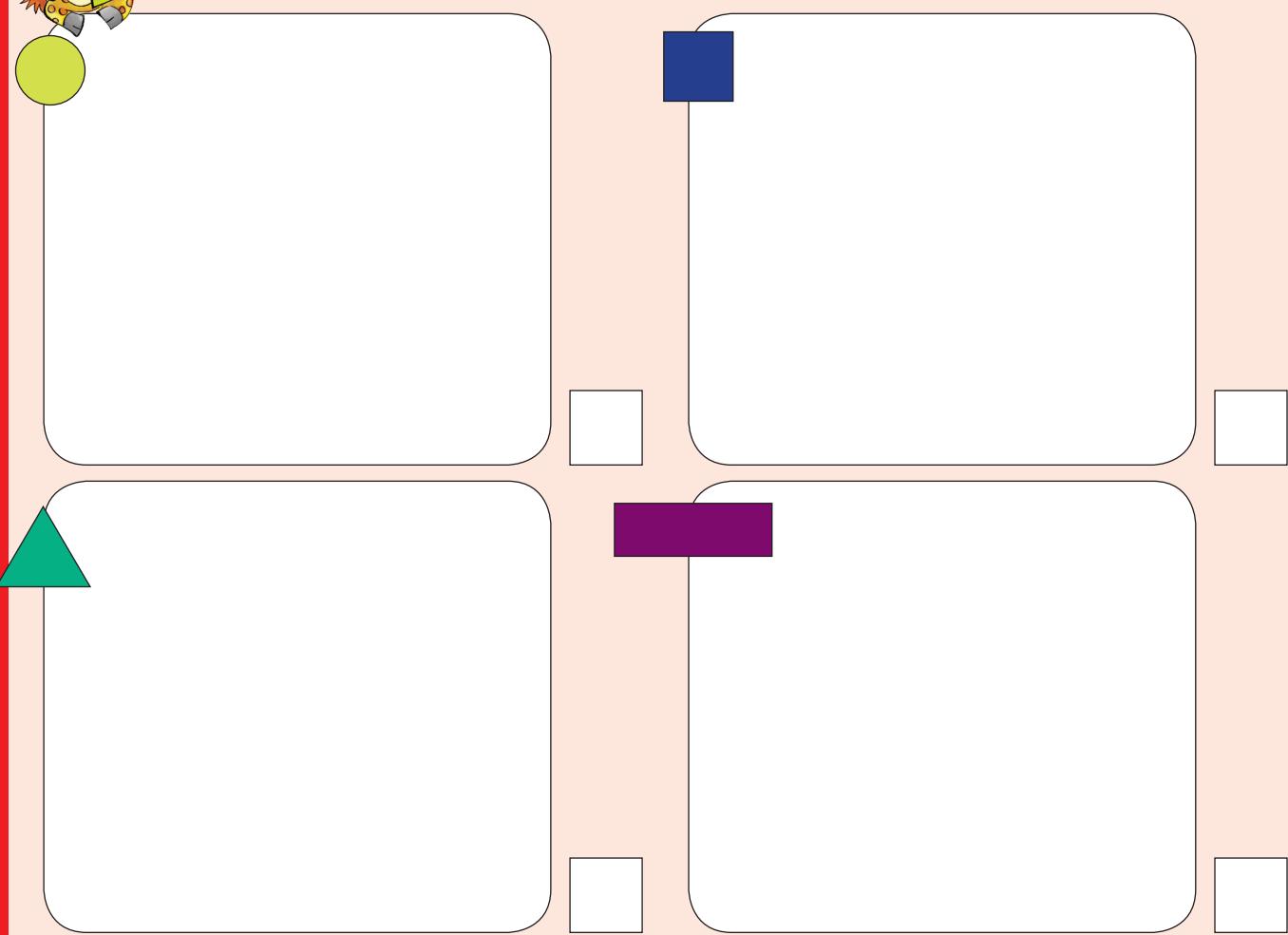
Switiviwa swin'wana swo tala

Siku:

Kotara 4



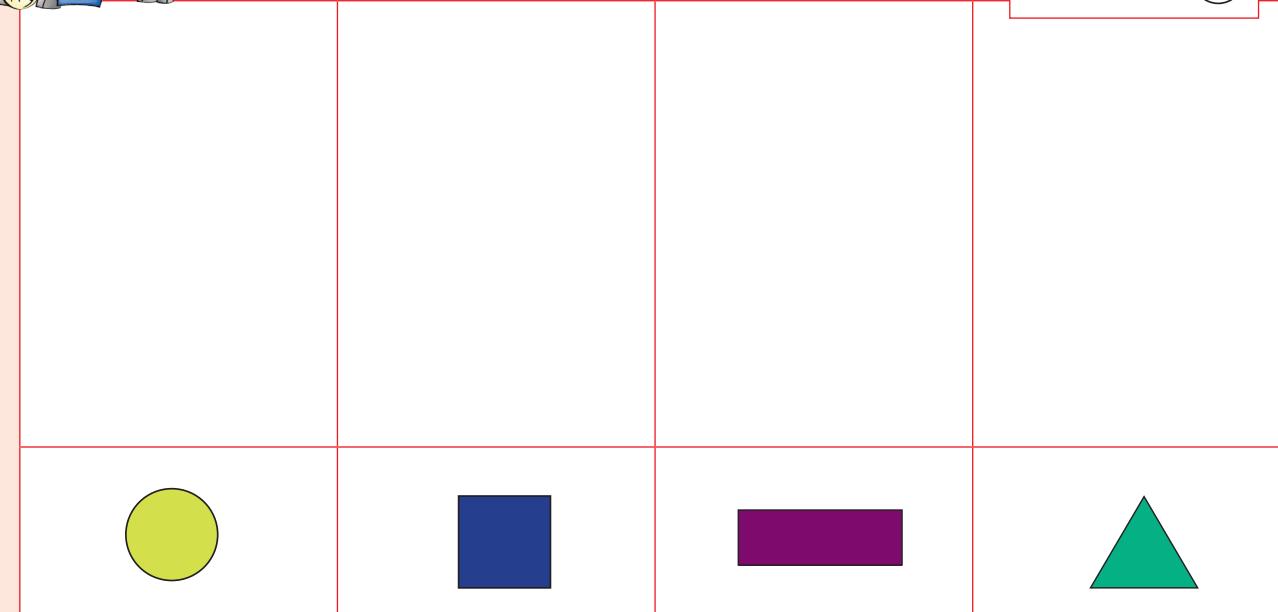
Hambarisa swivumbeko. Dirowa xifaniso xa wena. Tsala ntsengo ebokisini.



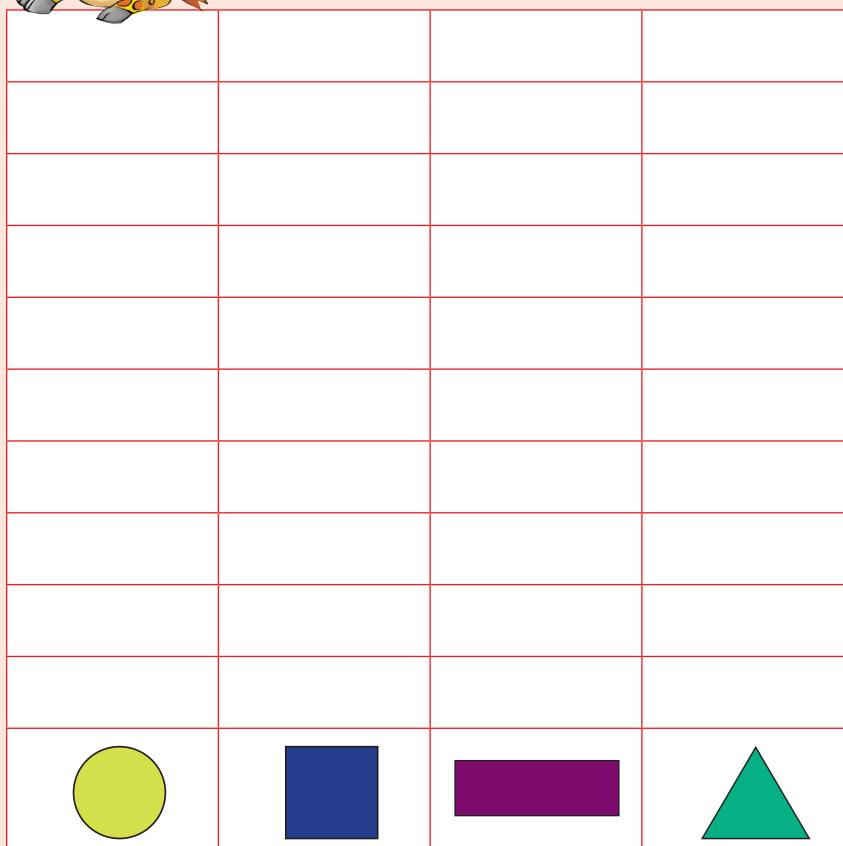


Dirowa girafu ya swifaniso swa
swivumbeko swa wena swo hambana.

VUTHALA:



Khalara tibuloko ku hetisa girafu ya wena ya bara.



Xana ku na swirhendzevutana
swingani?

Xana ku na
swikwere swingani?

Xana ku na
tiyinhlamune
tingani?

Xana ku na
tiyinhlanhharhu
tingani?



11

12

13

14

15

16

17

18

19

20



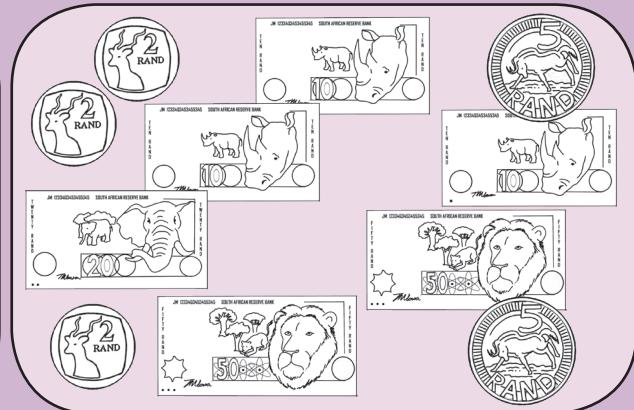
Siku:

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		



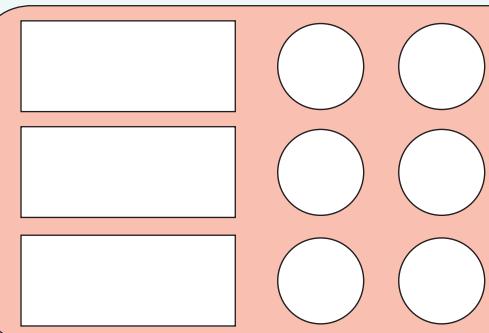
Sipho u xavile tihambega timbirhi.
Hambega yin'we yi vitana RI2,50. Xana u hakerile mali muni?
Dirowa mali ya phepha na tikhoyini leti faneleke ku kombisa nhlamulo ya wena.
Tlhela u tsala tanahi xivulwa xa tinomboro.



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



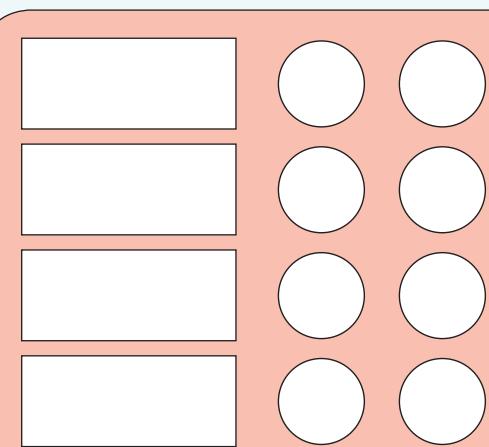
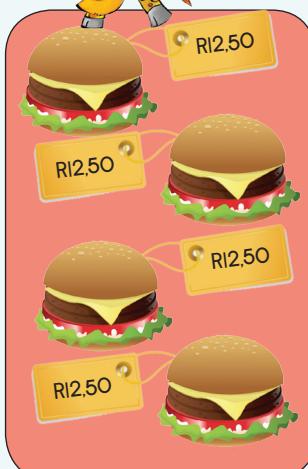
Loko Sipho a xava tihambega tinharhu?



Xivulwa xa tinomboro:



Loko Sipho a xava tihambega ta mune?



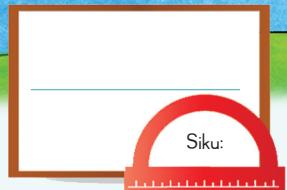
Xivulwa xa tinomboro:



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 tiodara 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.

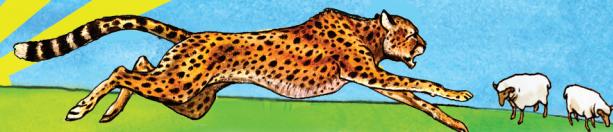


U lava ku xava 10 wa timafini. Mafini yin'wana na yi'nwana yi durha R10.
Xana u ta hakela mali muni ya 1, 2, 3, 4, 5, 6, 7, 8, 9 kumbe 10 wa timafini?
Yi kombise etafuleni eka phepha rin'wana.



Teacher: _____
Sign: _____
Date: _____

110

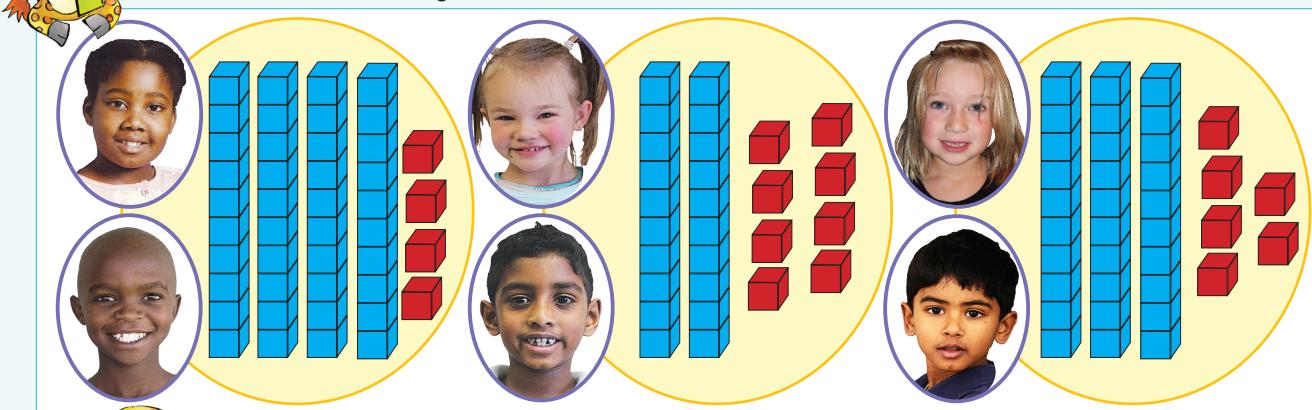


Ku vumba ntawla na ku avela

Kotara 4

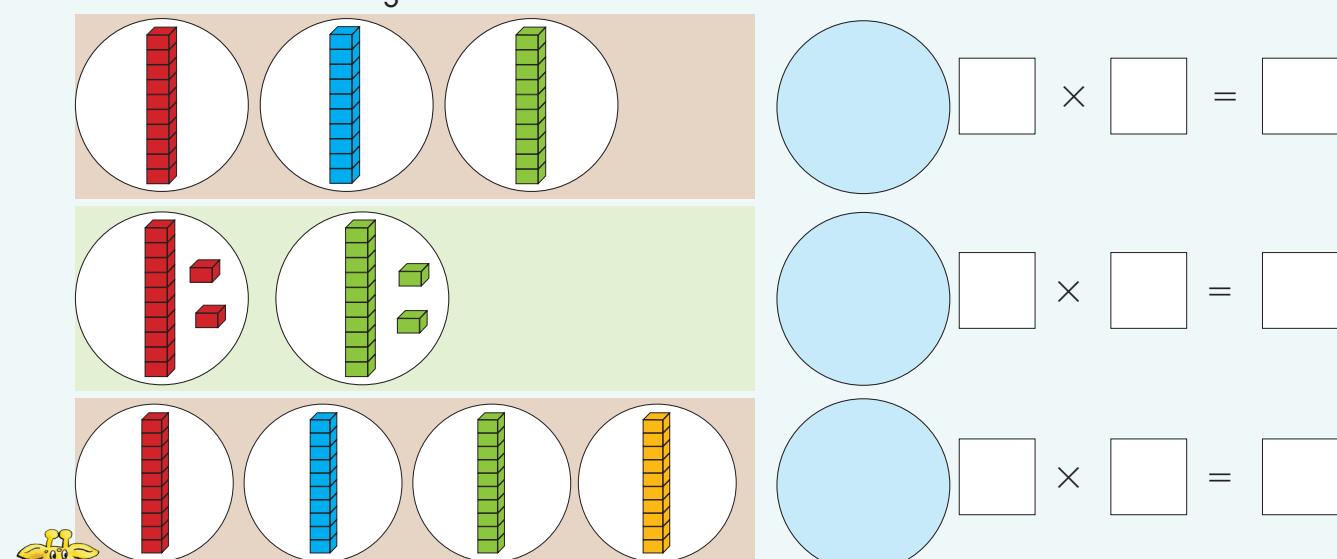


Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana? Ti ave exikarhi ka vana.

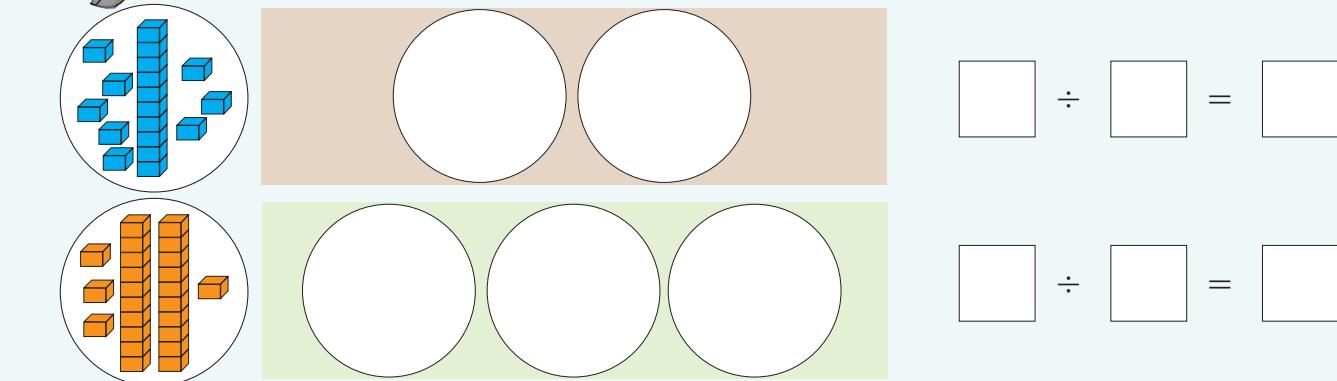


Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana?

Tsala ntsengo eka xirhendzevutana xa wasi.



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





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 _____

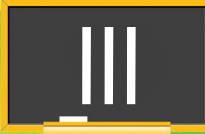




Ku avela Ku avela

Teacher: _____
Sign: _____
Date: _____

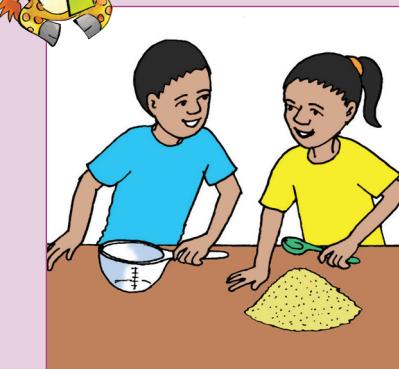
11 12 13 14 15 16 17 18 19 20



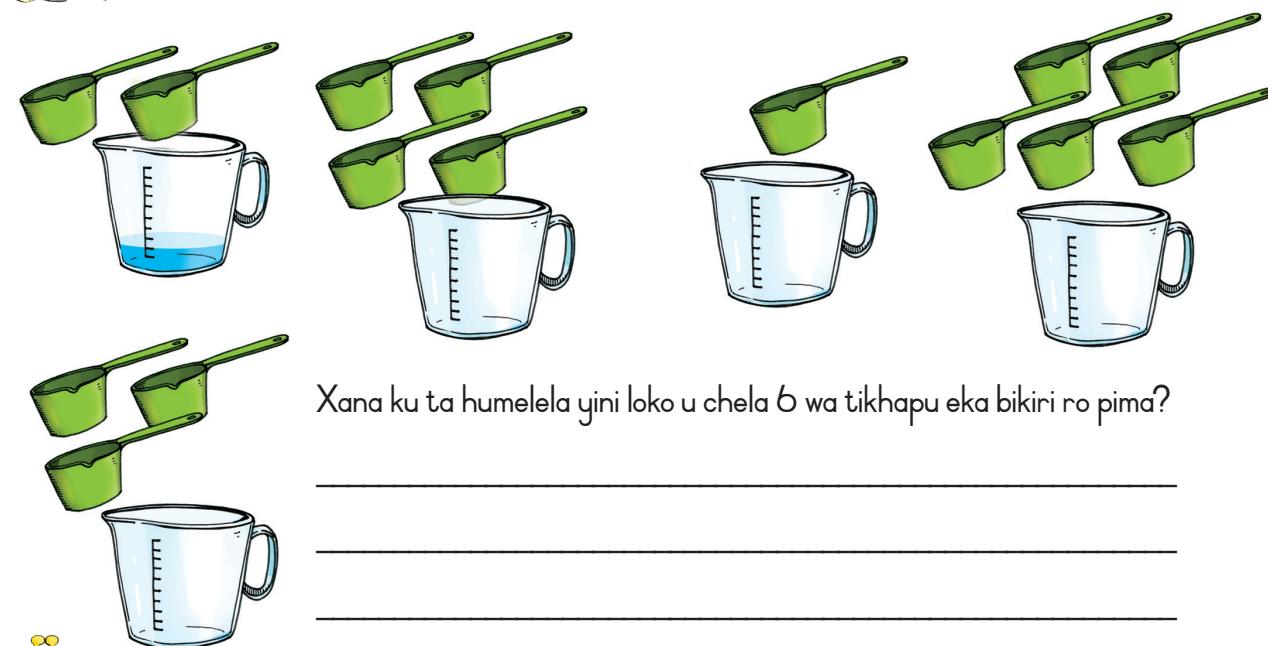
Kotara 4

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?



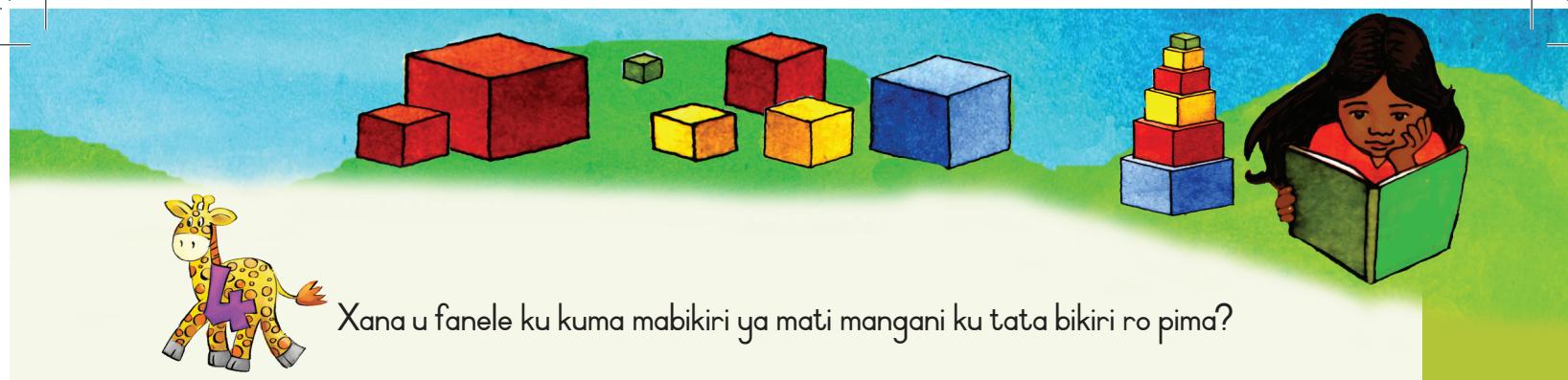
Xana u lava mabikiri mangani ya mati ku tata bikiri ro pima?

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.



112

Tipatironi ta tinomboro

Kotara 4



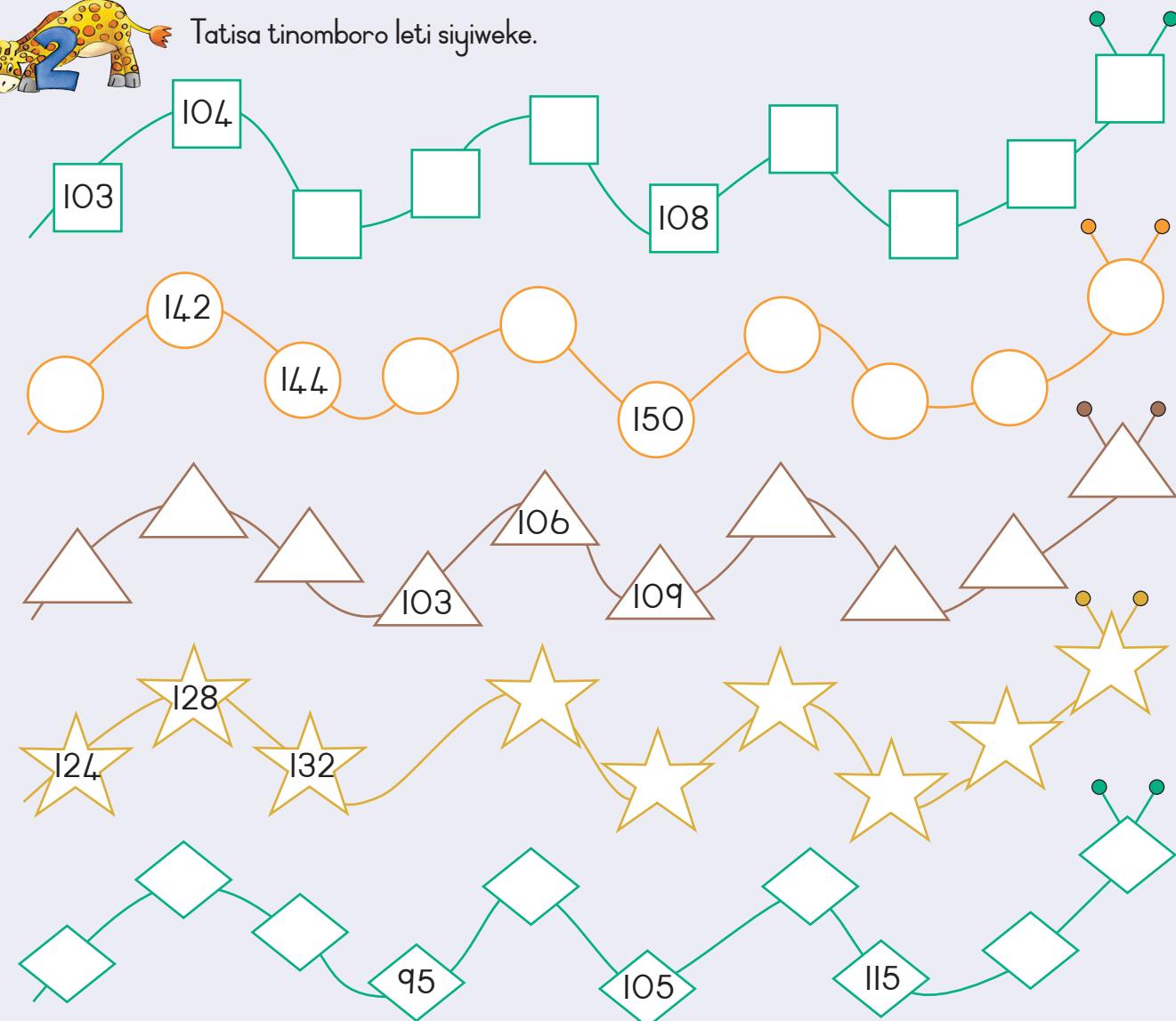
Veka makhadi hi mfanelo. Sungula hi lamakulu ku landzela lamatsongo.
Utlhela u sungula hi lamantsongo kutani ku landzela lamakulu.

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, ___, ___, ___, ___, ___

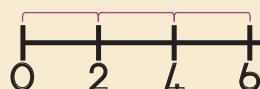
115, 118, 121, ___, ___, ___, ___, ___

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

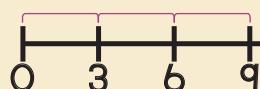


Hetisa ndzhati wa mintsengo.

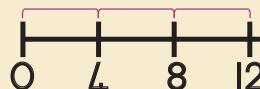
$$2 + 2 + 2$$



$$3 + 3 + 3$$



$$4 + 4 + 4$$



Xana hi hlayela hi yini?

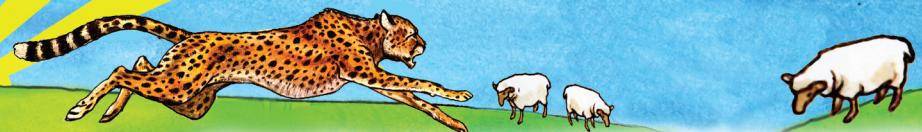
4 20
8 12
16

2 14
8 12
10 4 6

5 15
25 20
30 10

3 21
15 6
18 9 12

113



Andzisa hi 3

Kotara 4

Swiharhi hinkwaswo swi na 4 wa milenge.

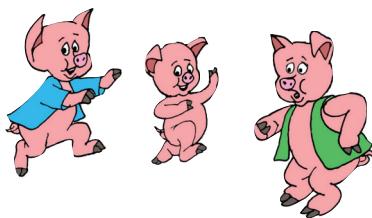


3 wa makondlo ya mabofu



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:



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

Nhlayo ya
makondlo

Milenge ya xiharhi
xin'we

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

Nhlayo ya
makondlo

Tindleve ta xi-
harhi xin'we



Hetisa leswi landzelaka:

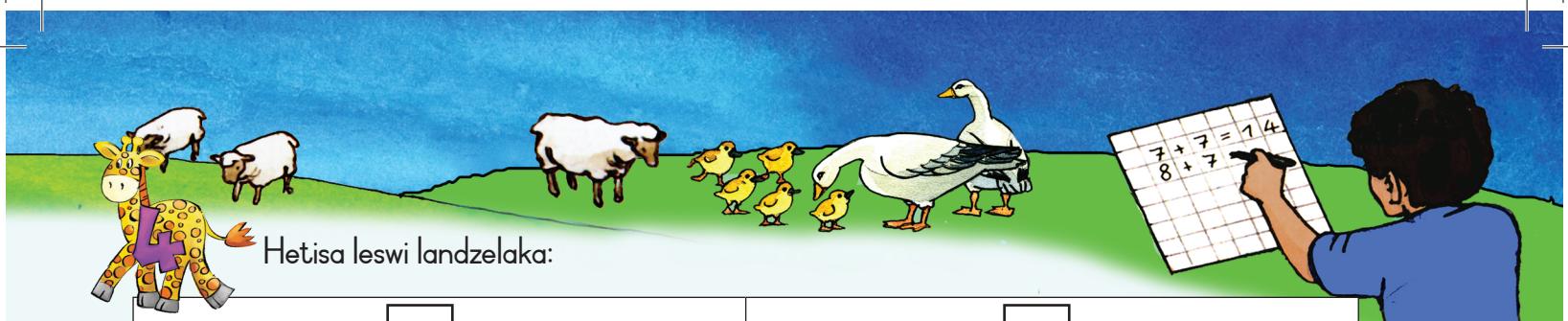
3	6	9							
---	---	---	--	--	--	--	--	--	--

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



Hetisa leswi landzelaka:

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



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

$$1 \quad 0 \quad \boxed{3} \times 3$$

$$= \boxed{1 \quad 0} + \boxed{3} \times 3$$

$$= \boxed{1 \quad 0} \times 3 + \boxed{3} \times 3$$

$$= 30 + 9$$

$$= 39$$



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

$$1 \quad 0 \quad \boxed{5} \times 3$$

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

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

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

$$= \boxed{\quad}$$



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

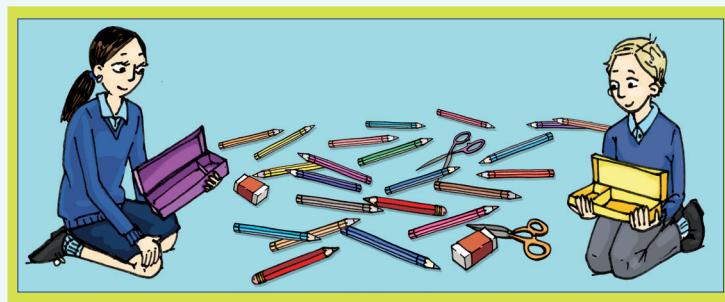


Hetisa leswi landzelaka:

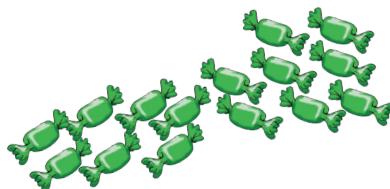


Avela 2 wa vana swiphemu swa chololeti leswi ringanaka.

Un'wana na
un'wana u kuma



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



Un'wana na
un'wana u kuma



Hetisa leswi landzelaka.

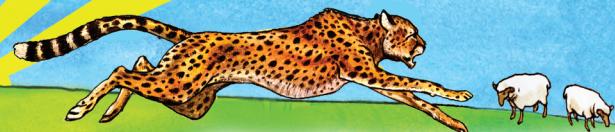
Dirowa xifaniso ku lulamisa leswi landzelaka. Ava 9 wa tipenisele exikarhi ka 3 wa vana.

Un'wana na
un'wana u kuma

Ava 16 wa tikhirayoni exikarhi ka 3 wa vana.



114



Ku andzisa kun'wana

Kotara 4

Languta leswi landzelaka, xana u lemuka yini?

$$5 + 5 + 5 = 15$$



3 wa swijumba
swa 5 = 15



3 wa mintlawa ya 5 i 15

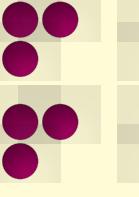
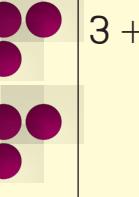
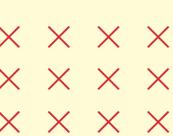
3 yi andzisiwa hi 5 = 15

$3 \times 5 = 15$

$5 \times 3 = 15$



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

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



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

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



Hlamula swivutiso leswi landzelaka.
Xana i yini:

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



Siva xikhomela ndhawu hi nomboro.

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.



115



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.

12×2

16×2

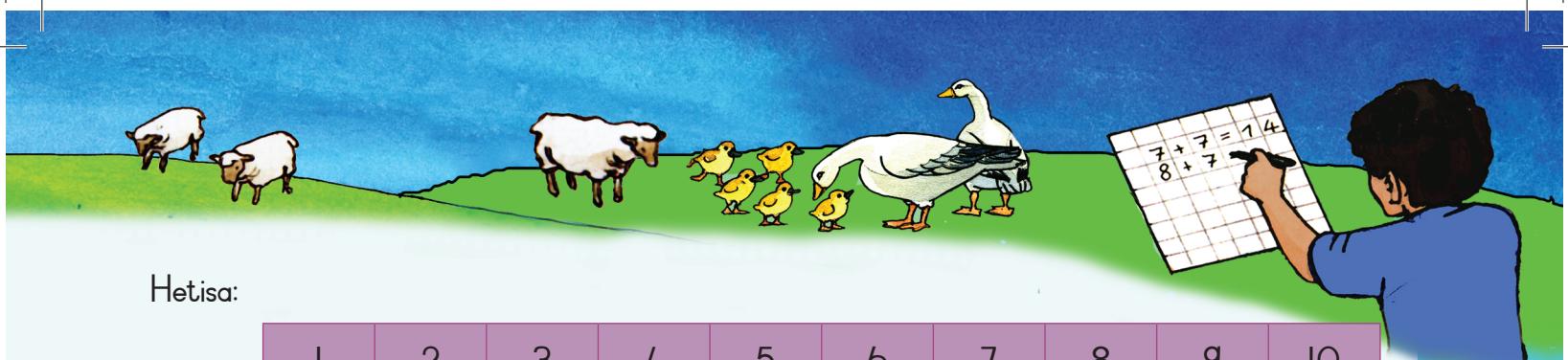
Hetisa:

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

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

13×3

15×3



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.

Kotara 4

Masiku ya vhiki

Siku:



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? _____

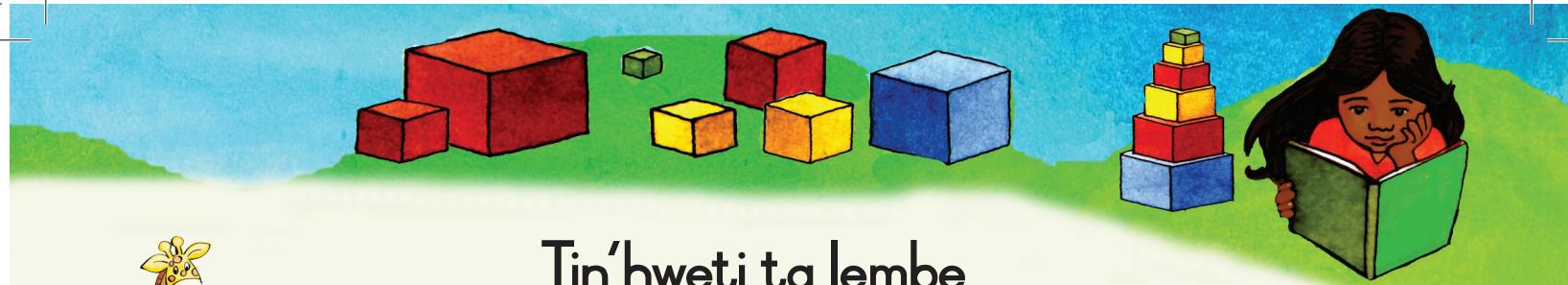


Xana ku na masiku mangani exikarhi ka:

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	Nyenyenani	Nyenakulu	Dzivamisoko
Mudyaxihi	Khotavuxika	Mawuwanai	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 Nyenyenani? _____

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



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

Ndzati? _____

Mawuwanai? _____



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? _____

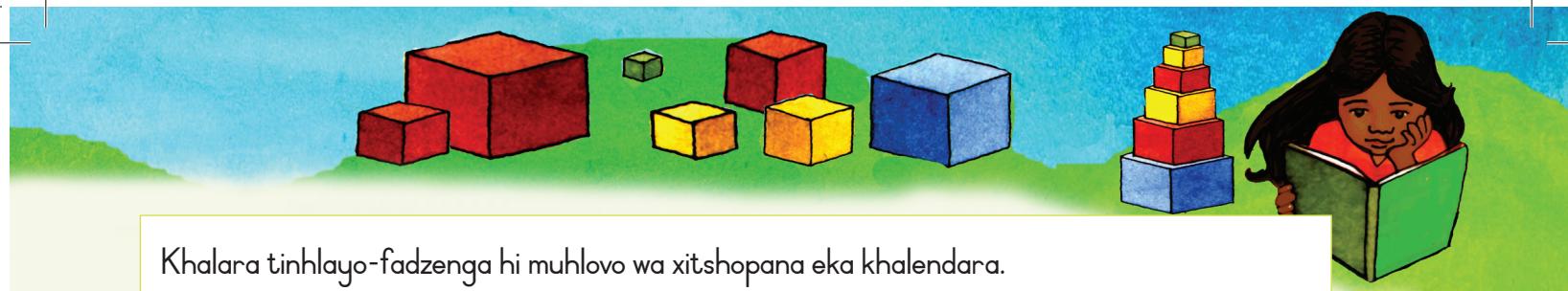
Xana vhiki ri na masiku mangani? _____

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		



117

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



3

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

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



Tsala tinomboro leti siyiweke ku hetisa patironi.

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

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

38, 45, 38, 45, , 45

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

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

Tsondzela tinomboro leti
leswaku u pfuneka ku
hlamula xivutiso.



Tsala tinomboro leti siyiweke ku hetisa patironi leyi 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, 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,





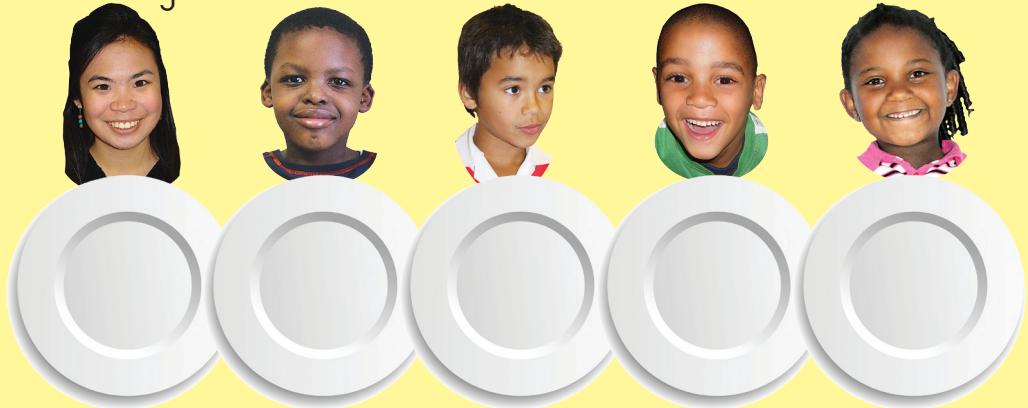
Ku avelana ko ringana loku letelaka eka swiphemu

Siku:

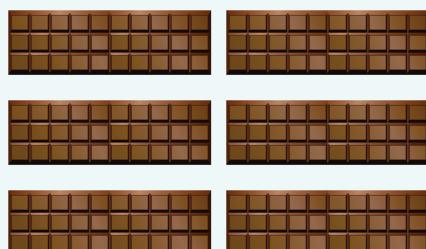
Kotara 4



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.



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

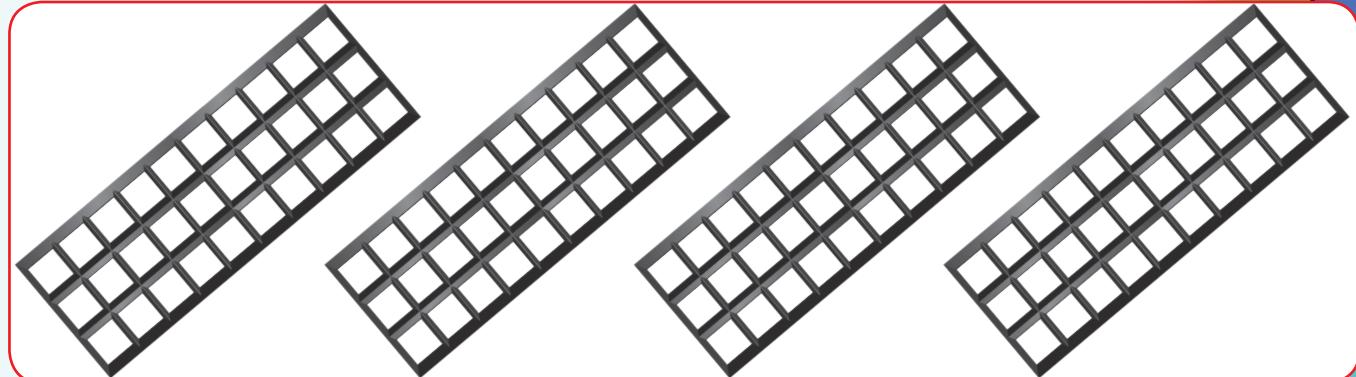


Kombisa nhlamulo ya wena hi ku dirowa laha hansi.

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

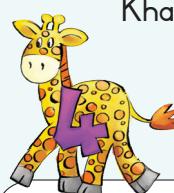
Kombisa nhlamulo ya wena hi ku dirowa laha hansi.

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

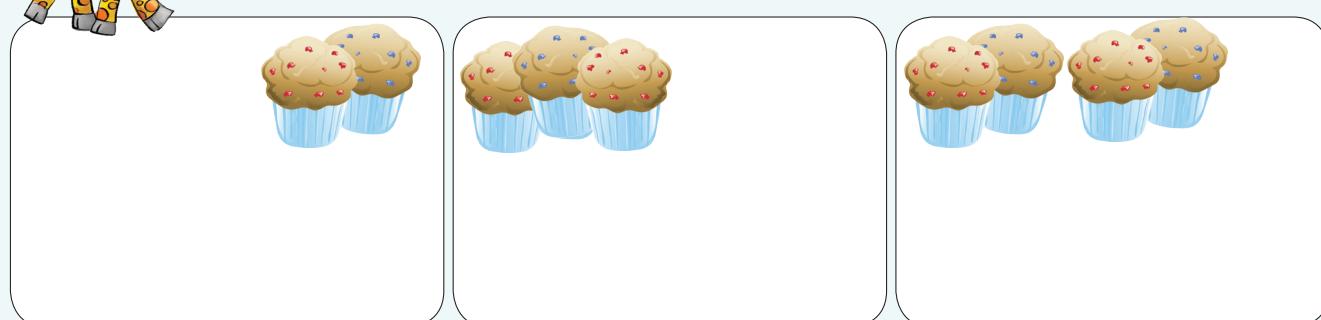


Xana i tibuloko ta chokoleti tingani leti nga kotara yin'we? _____

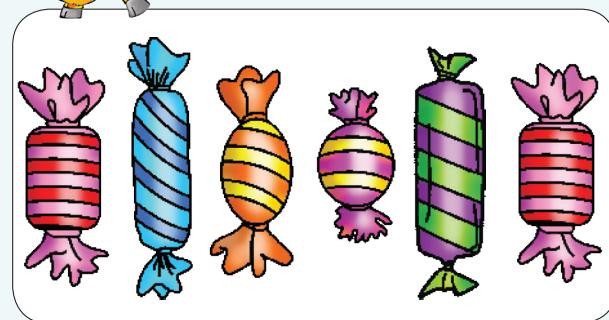
Khalara n'we-xa-ntlhanu xa chokoleti eka switina leswi swa mune? _____



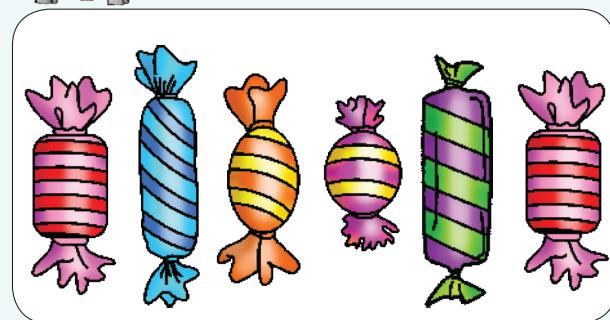
Kombisa hafu yin'we ya leswi landzelaka.



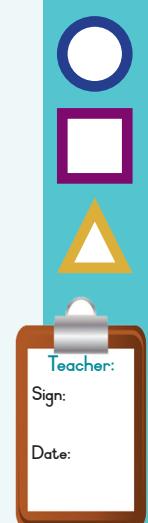
Kombisa n'we-xa-nharhu xa
swiwitsi.



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.



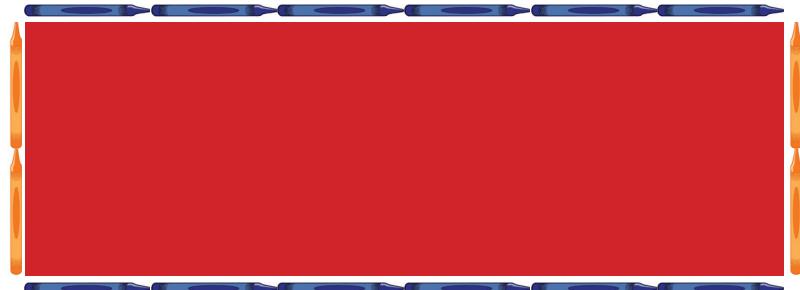
119



Ku leha

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

Kotara 4

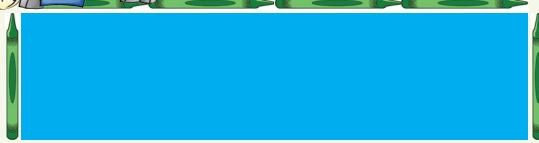


Tlhelo ro leha i tikhirayoni ta ____.

Tlhelo ro koma i tikhirayoni ti ____.

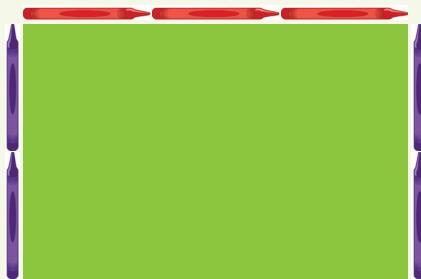


Hlamula leswi landzelaka.



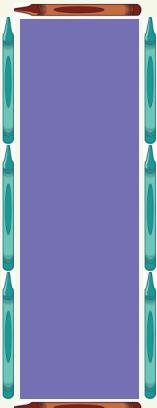
Tlhelo ro leha i tikhirayoni ta _____.

Tlhelo ro koma i tikhirayoni ta _____.



Tlhelo ro leha i tikhirayoni ta _____.

Tlhelo ro koma i tikhirayoni ta _____.



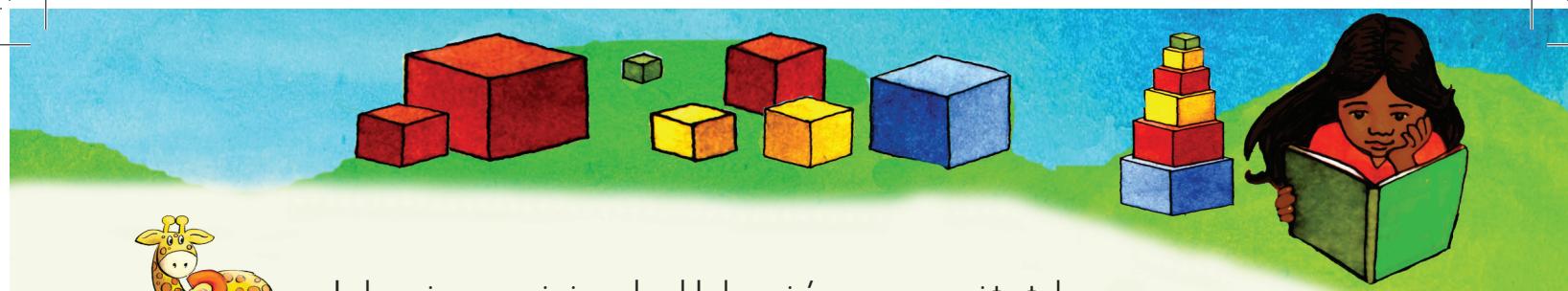
Tlhelo ro leha i tikhirayoni ta _____.

Tlhelo ro koma i tikhirayoni ta _____.

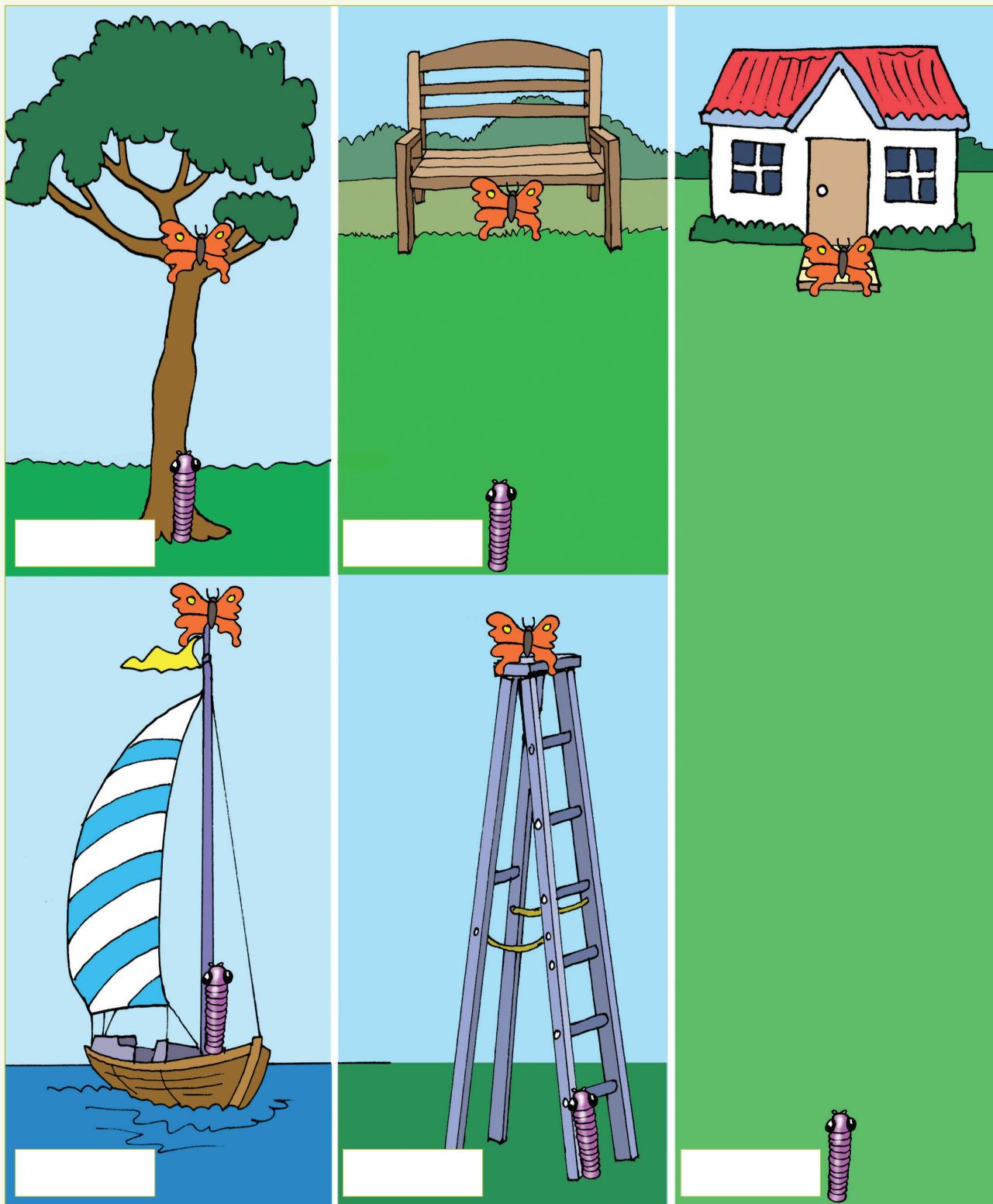


Tlhelo ro leha i tikhirayoni ta _____.

Tlhelo ro koma i tikhirayoni ta _____.



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



120

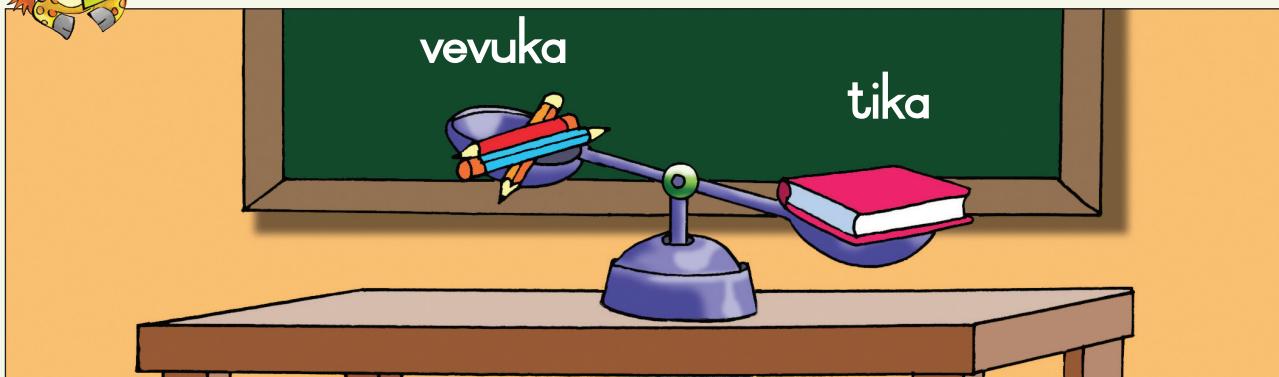


Kotara 4

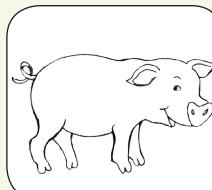
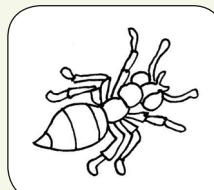
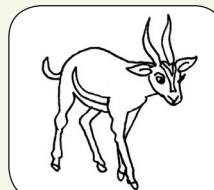
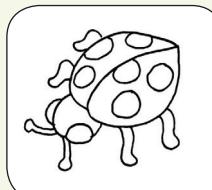
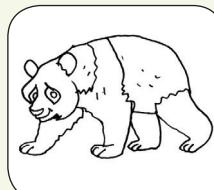
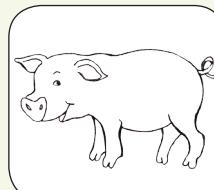
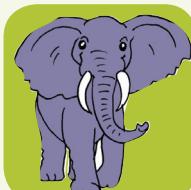
Ku tika na ku vevuka



Xana ku tika kumbe ku vevuka swi vula yini?



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



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

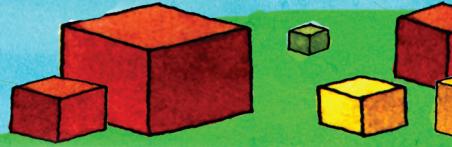


Languta xifaniso. Lava 2 wa swifaniso swa swilo swo vevuka. Swi namarhete laha.





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



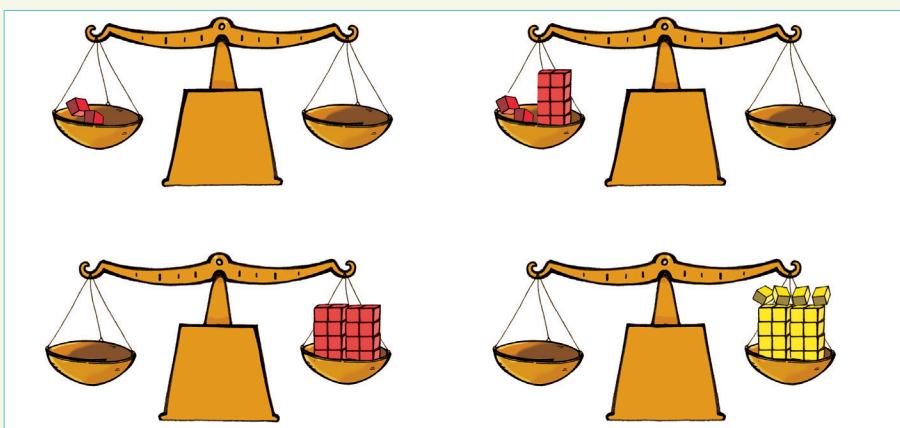
Endla leswaku xikaluu xa ndzinganiso xi ringana. Dirowa xifaniso eka swikaluu leswi nga riki na nchumu.



Dirowa swifaniso ku endla swikalo swi ringana.



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

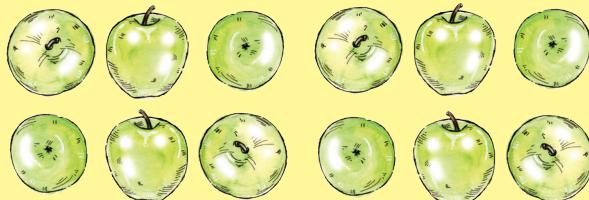


I2I

Ku avelana kun wana loku letelaka eka swiphemu

Kotara 4

Ava maapula lawa exikarhi ka vanghana vanharhu.



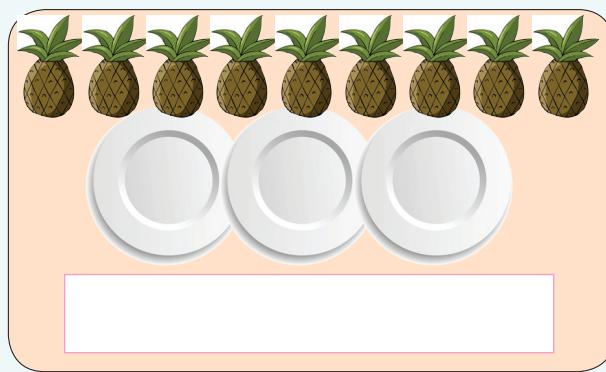
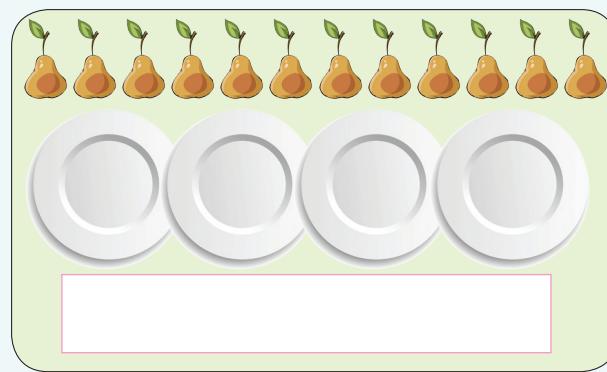
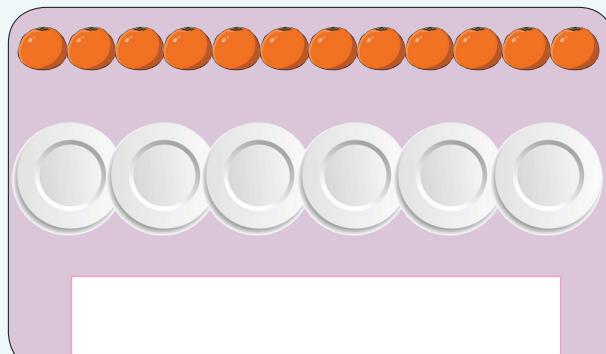
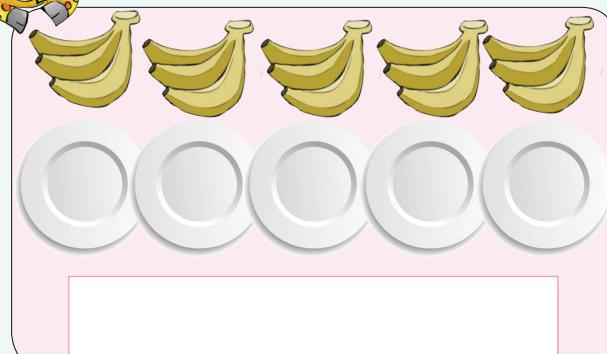
Un'wana na un'wana u kumile maapula
mangan? Mune.

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



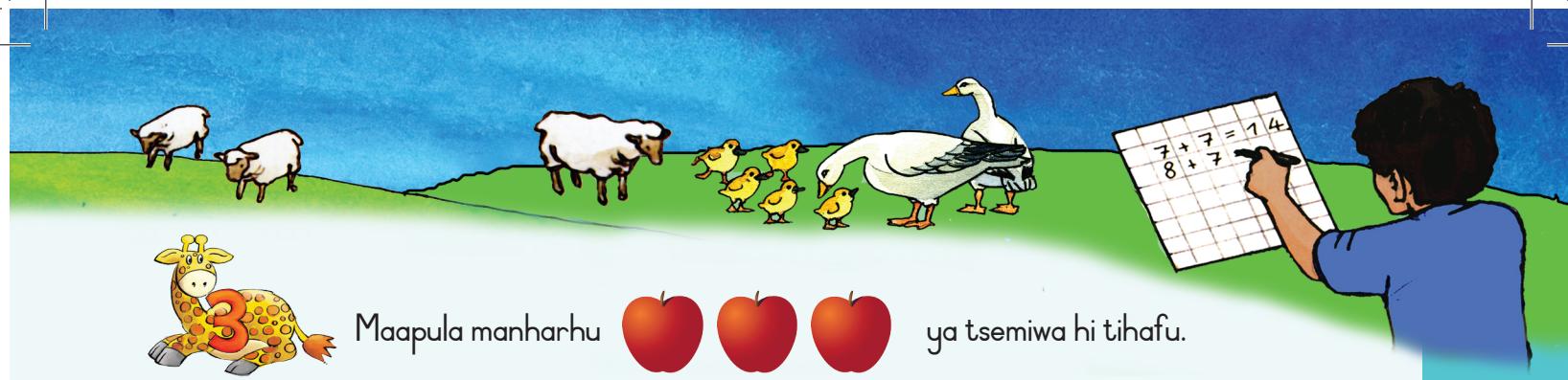
Languta xikombiso lexi nga laha henbla kutani u hetisa leswi landzelaka.

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

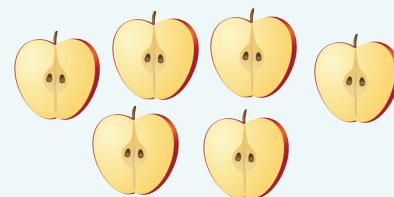


Kokwana u nyika Kiki I2 wa malamula. Kiki u endla juzi hi
n'we-xa-nharhu xa malamula. Xana u tirhisile malamula mangani?





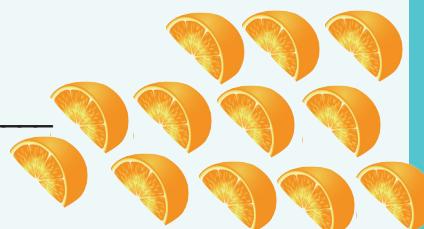
I vana vangani lava nga ta kuma hafu? _____



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.

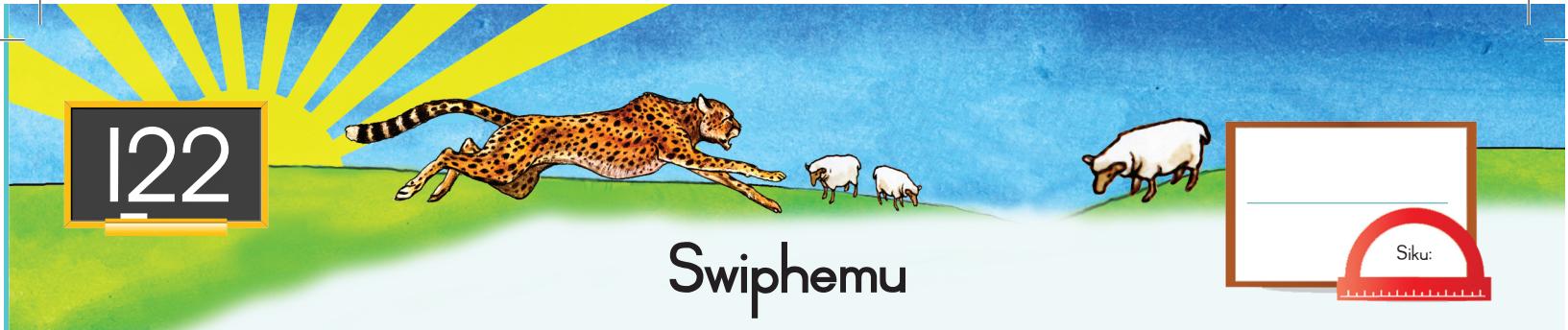


I vana vangani lava nga ta kuma n'we-xa-ntsevu? _____



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?



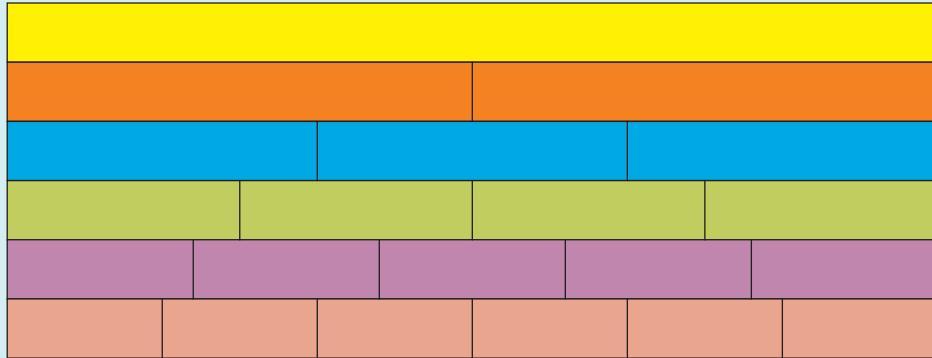


Swiphemu

Siku:

Kotara 4

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



n'we-xa nharhu

n'we-xa ntłhanu

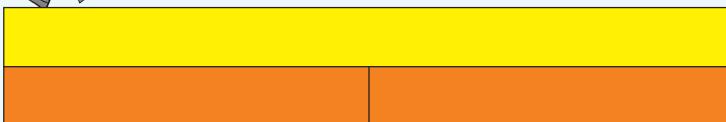
hafu yin'we

n'we-xa ntsevu

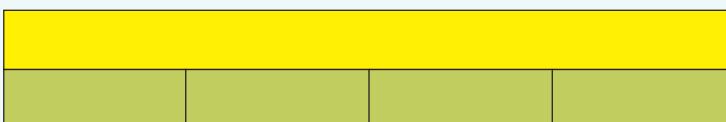
kotara yin'we



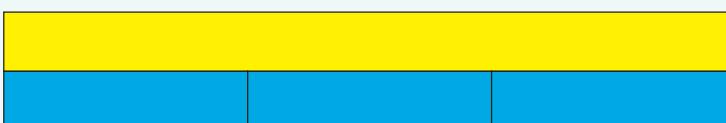
Hetisa leswi landzelaka.



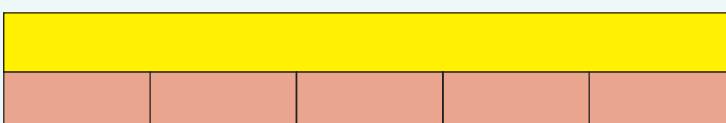
2 wa tihafu ti tanihu _____ xiheri.



4 wa tikotara ti tanihu _____ xiheri.



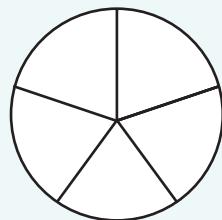
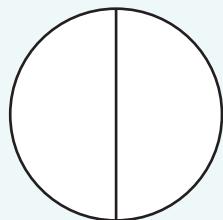
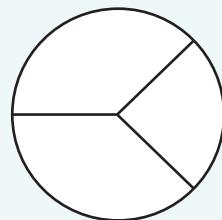
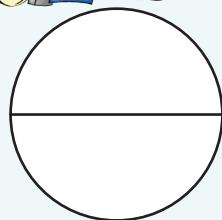
3 wa xa-nharhu swi tanihu _____ xiheri.

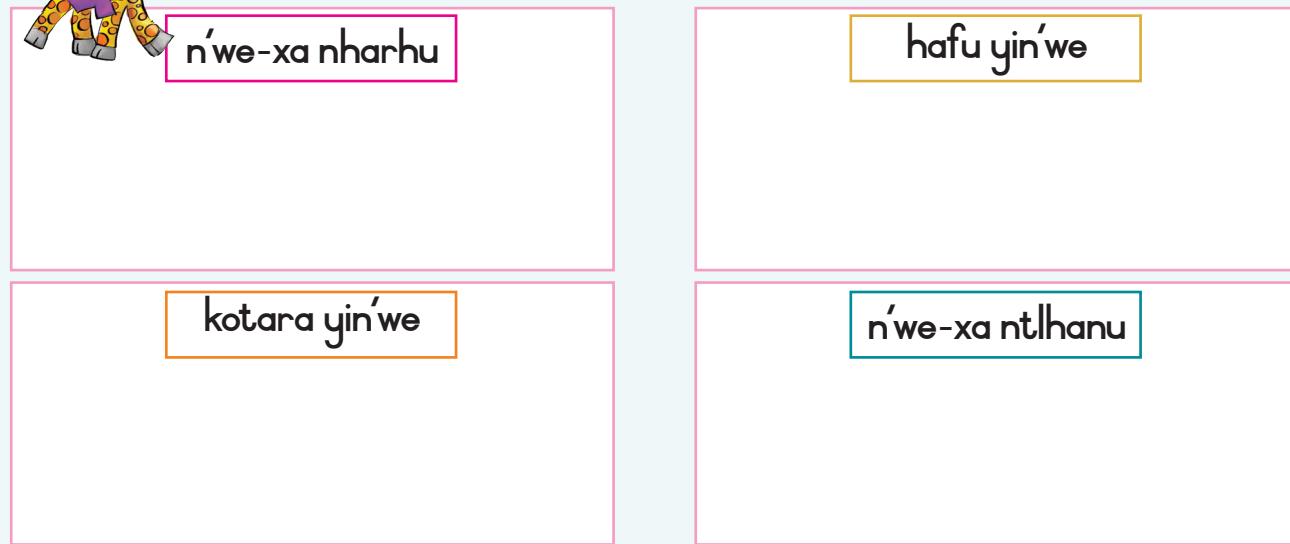
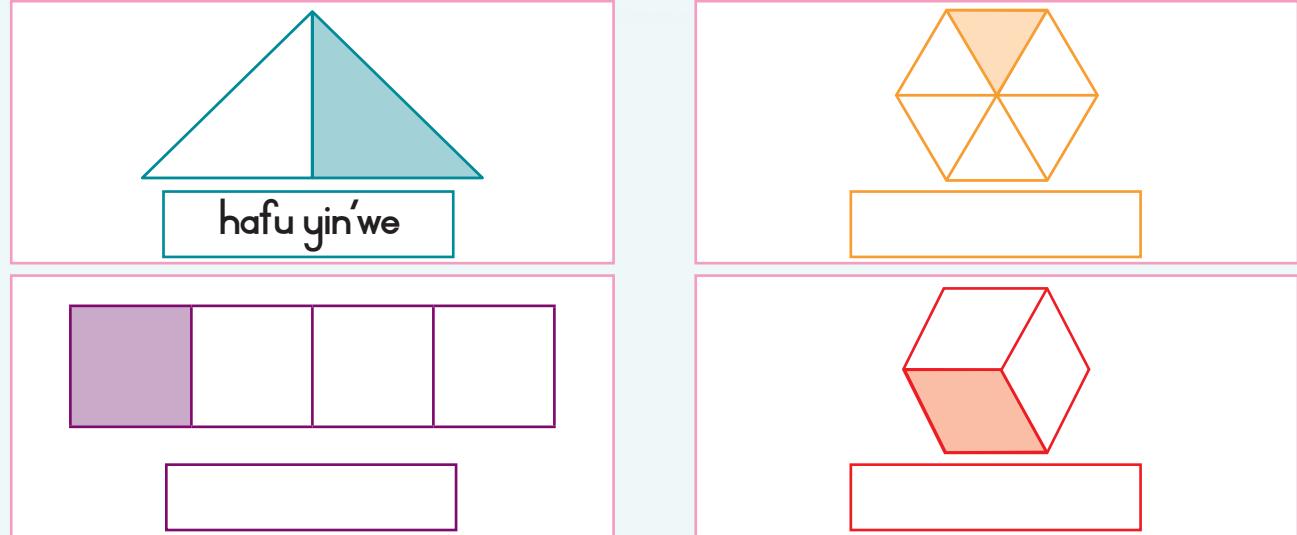


5 wa xa-ntłhanu swi tanihu _____ xiheri.



Khalara leswi landzelaka. Xana u lemuka yini?

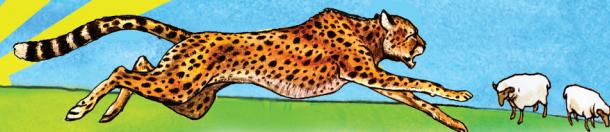




Vutisa manana wa wena kumbe muhlayisi wa wena leswi a nga ta xava swona:

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





Swiphemu swin'wana

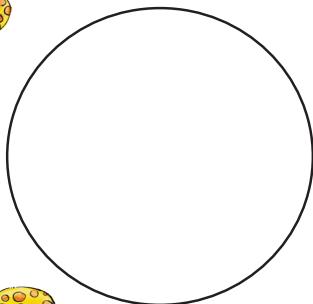
Kotara 4

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

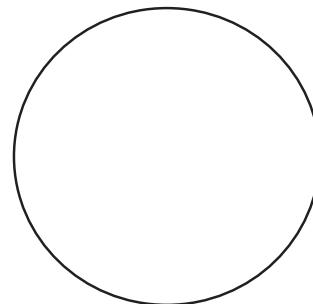


Munghana wa wena u kombela leswaku u avanyisa Pizza eka swiphemu leswi ringanaka. Dirowa u kombisa xin'wana na xin'wana.

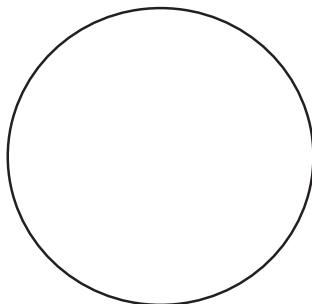
Tihafu



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

mbirhi-xa-nharhu

mun-e-xa-ntlhanu

tihafu timbirhi

ntlhanu-xa-ntlhanu

nharhu-xa-ntlhanu

tikotara ta mune

mun-e-xa-mune

mbirhi-xa-ntlhanu

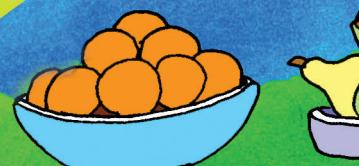
ntlhanu-xa-ntlhanu

nharhu-xa-mune

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



124



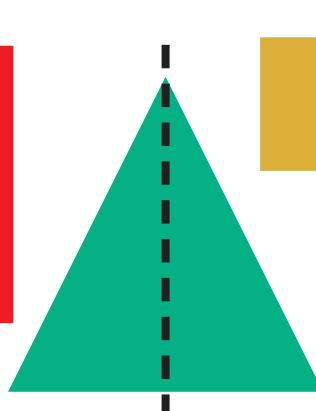
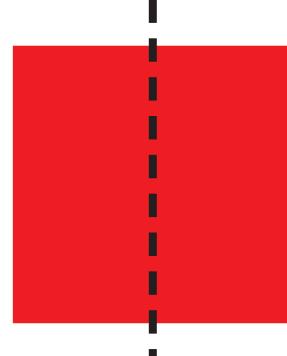
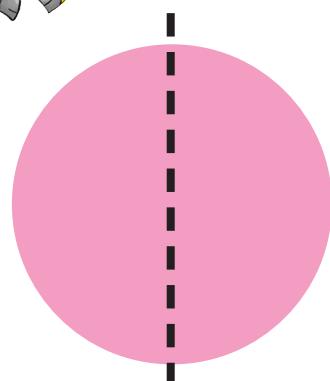
Siku:

Ku ringana ka swivumbeko

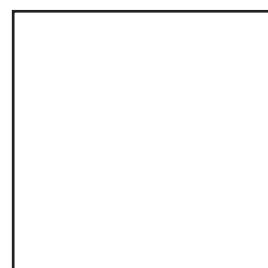
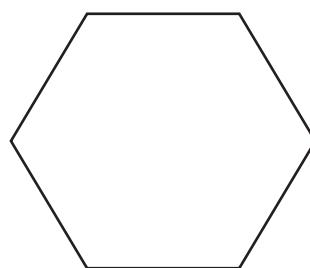
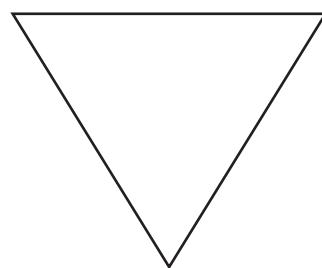
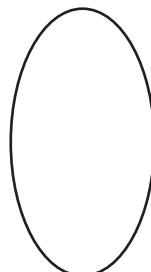
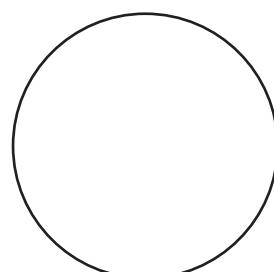
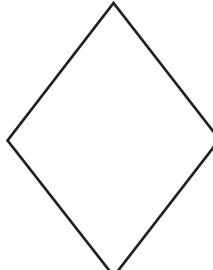
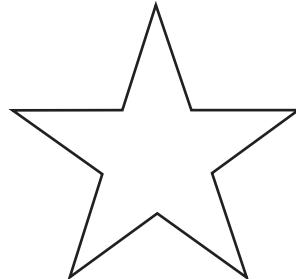
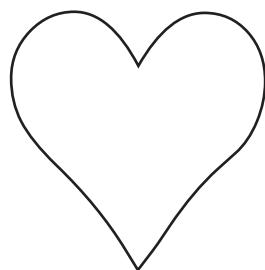
Kotara 4

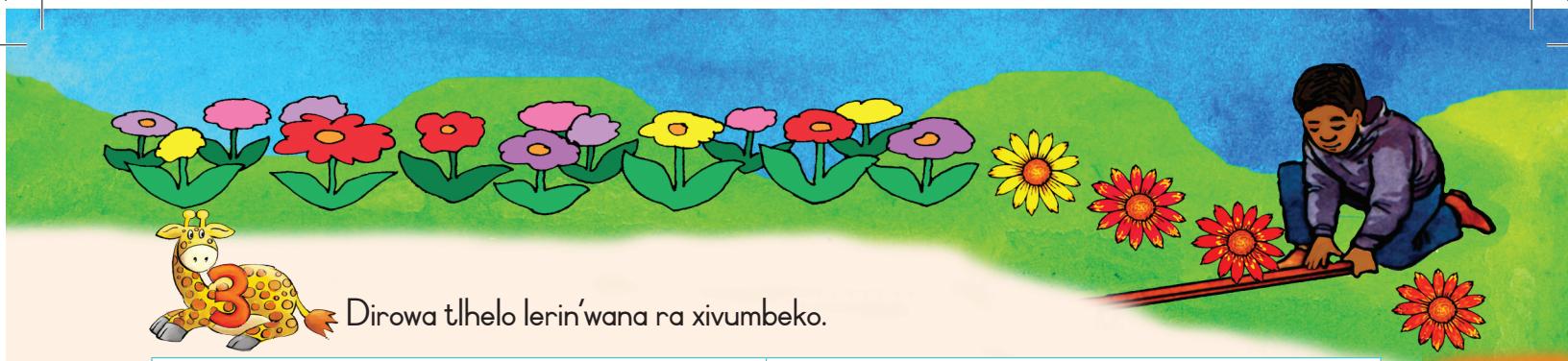


Languta swifaniso swa swivumbeko. Xana matlhelo hinkwawo ya swivumbeko leswi ya fana? Xana matlhelo hinkwawo ya ringana?



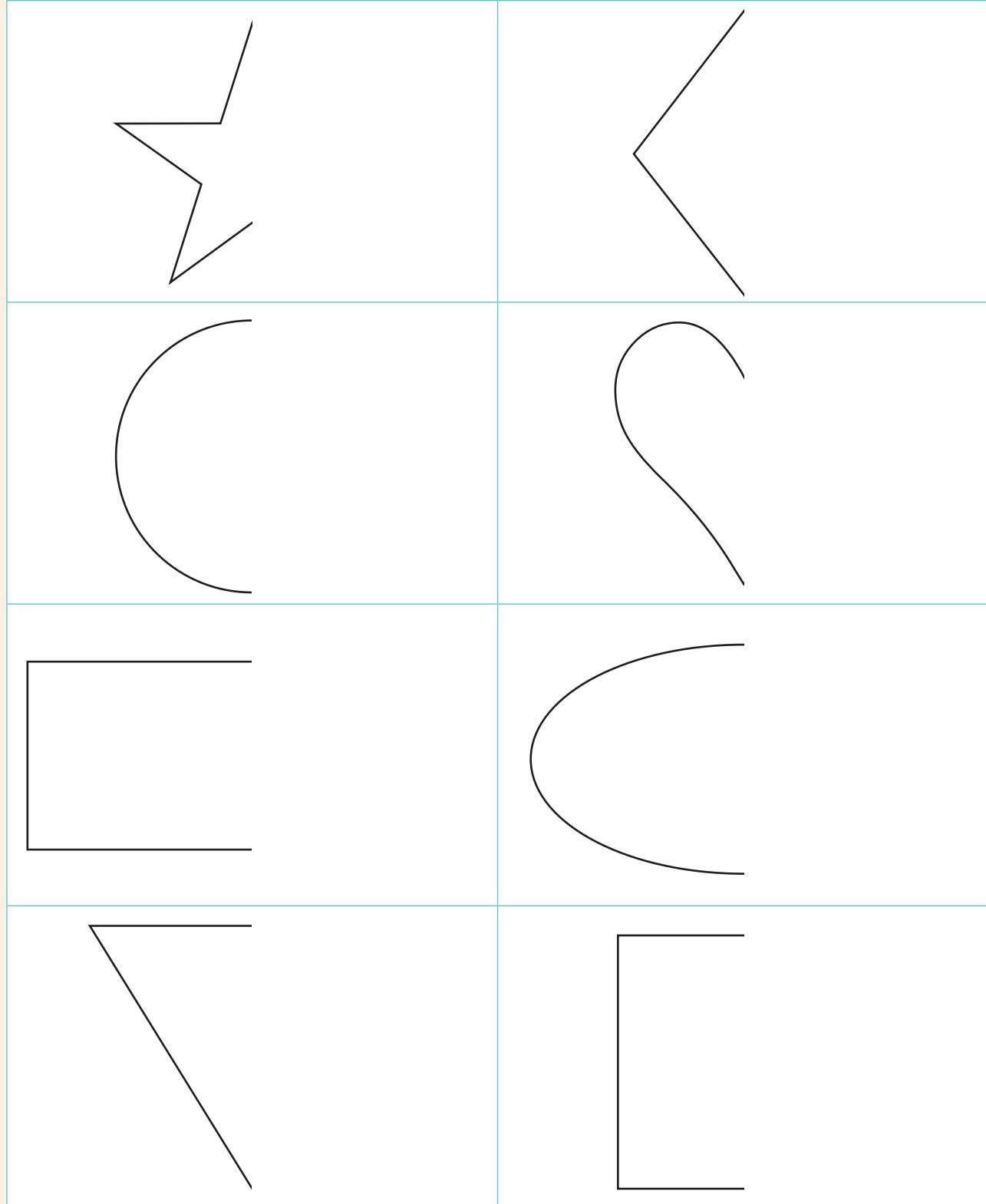
Dirowa ntila eka tlhelo rin'we ra xivumbeko leri fanaka na lerin'wana.





3

Dirowa tlhelo lerin'wana ra xivumbeko.



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129



Malongolokelo na swiphemu

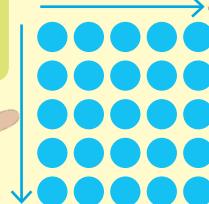
Kotara 4

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?

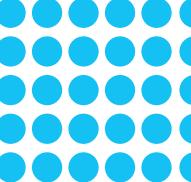


Xana ku na swivumbeko swingani? Xana hafu yin'we ya swivumbeko i yini?

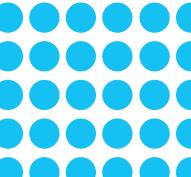
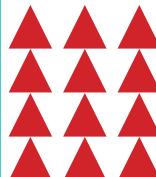
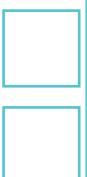


6

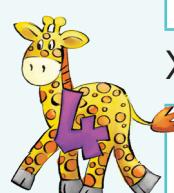
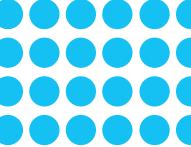
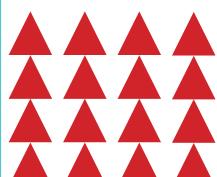
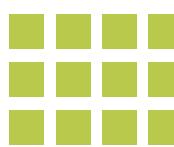
3



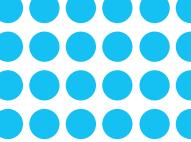
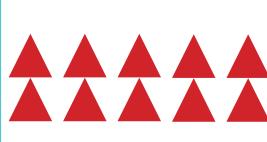
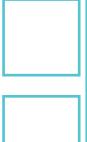
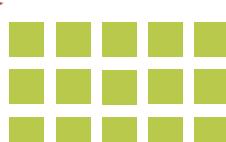
Xana ku na swivumbeko swingani? Xana n'we-xa-nharhu xa swivumbeko i yini?



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? 2
			n'we-xa-nharhu xa swilo? kotara yin'we ya swilo?
			kotara yin'we ya swilo? N'we-xa-ntlhanu xa swilo?



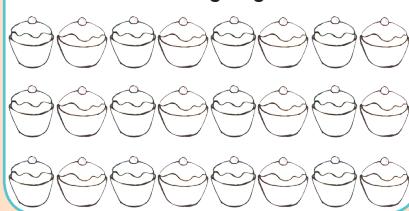
Tirhisa malongolokelo ku kombisa

kotara yin'we ya 12 wa swiwitsi?	n'we-xa-nharhu xa 12 wa swiwitsi?	Hafu yin'we ya 12 wa swiwitsi?
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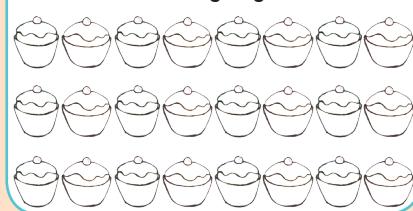
Manana u bakile 24 wa makhekhe ya swikhapan a bakela tindhawu ta vatirhi leti landzelaka.

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

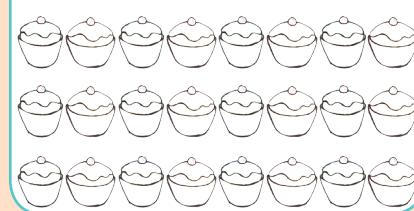
hafu yin'we ya switiroberi kasi leyji
saleke hinkwayo i ya vhanila



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.



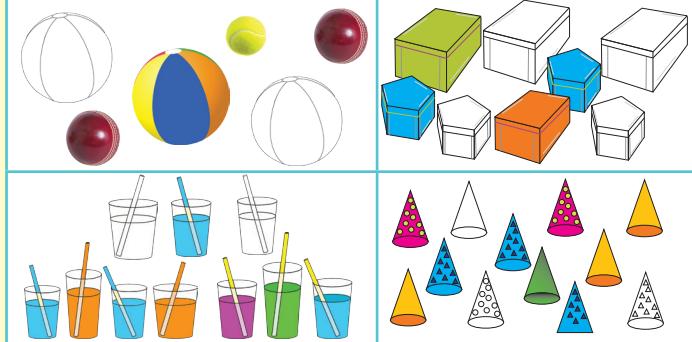


Siku:

Xiphemu xa swihlengeletiwa

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

I hafu ya swihlengeletiwa.



I-xa-nharhu ya swihlengeletiwa.

I kotara ya swihlengeletiwa.

I xa-ntlhanu ya swihlengeletiwa.



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





Ololoxa swiphigo swa marito.

Manana u na nxaviso wa nhundzu ya khale ...

A ri na 15 wa swikipa. U xavisile 5.

Xana u xavisile xiphemu muni?

Nkhwatihata xivutiso.

Xana tinomboro ta nkoka hi tihi? _____

Dirowa xifaniso ku kombisa nhlamulo ya wena.

A ri na 18 wa majesi. U xavisile 9.

Xana u xavisile xiphemu muni?

Nkhwatihata xivutiso.

Xana tinomboro ta nkoka hi tihi? _____

Dirowa xifaniso ku kombisa nhlamulo ya wena.

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

Xana u xavisile xiphemu muni?

Nkhwatihata xivutiso.

Xana tinomboro ta nkoka hi tihi? _____

Dirowa xifaniso ku kombisa nhlamulo ya wena.

A ri na 20 wa mabaji. U xavisile 4.

Xana u xavisile xiphemu muni?

Nkhwatihata xivutiso.

Xana tinomboro ta nkoka hi tihi? _____

Dirowa xifaniso ku kombisa nhlamulo ya wena.



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

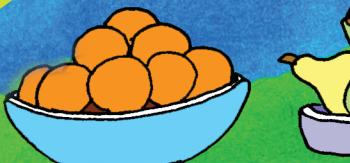
banana? Chukela ra switiroberi?

Chukela ra chungamu?



Teacher:
Sign:
Date:

127

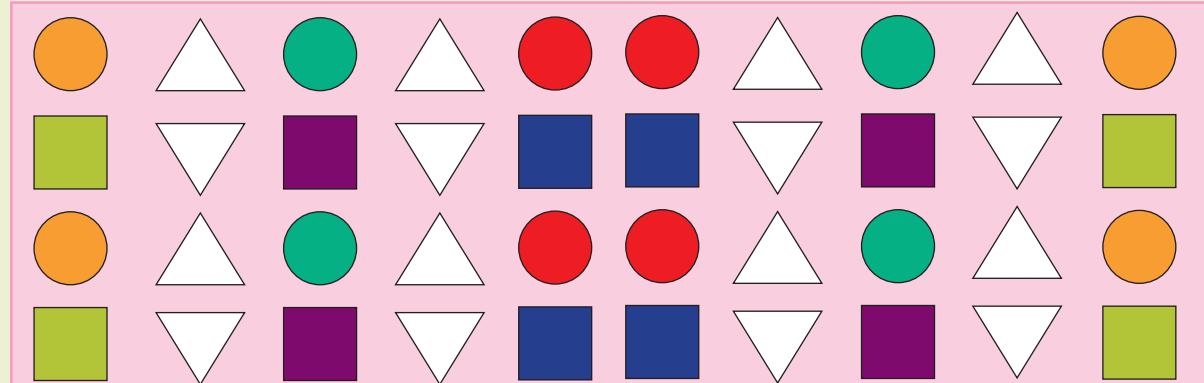


Ku ringana eka tipatironi

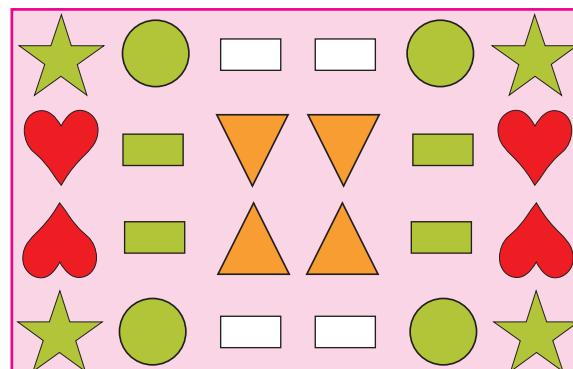
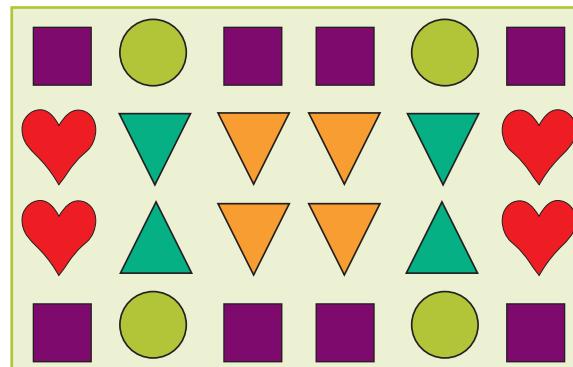
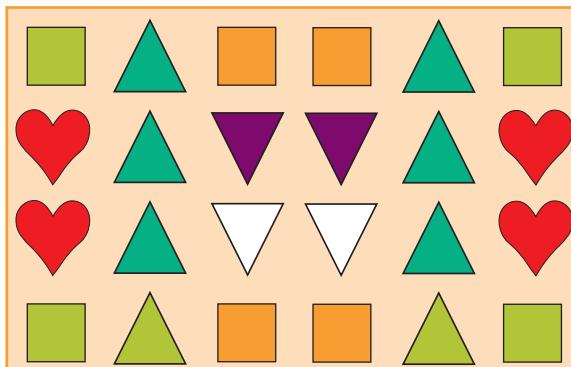
Kotara 4

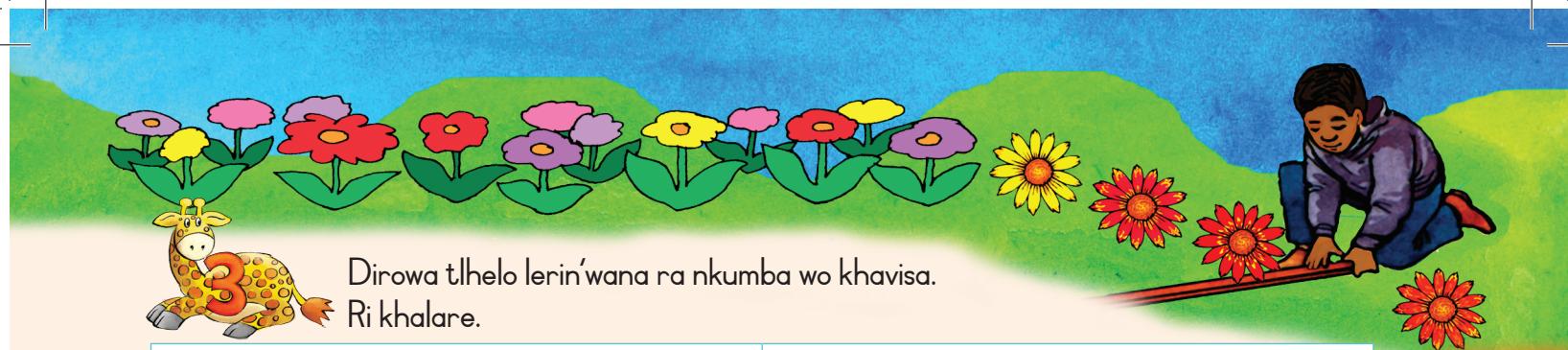


Languta swifaniso swa nkumba wo khavisa. Xana u vona yini?

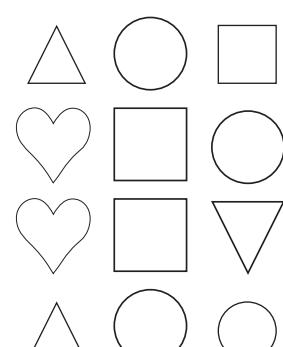
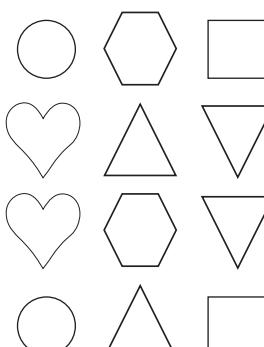
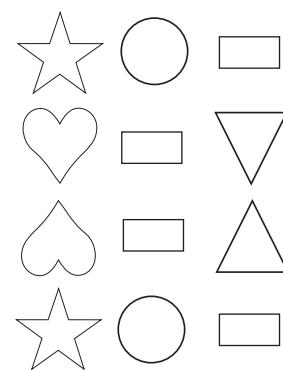
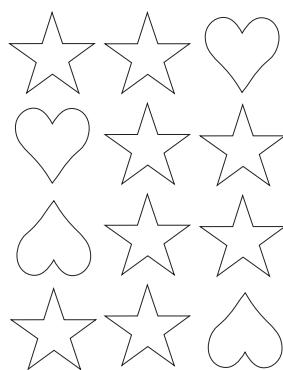
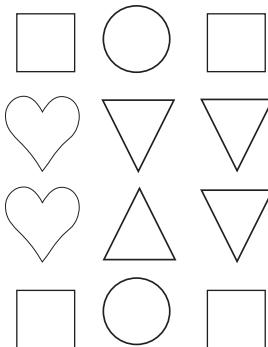
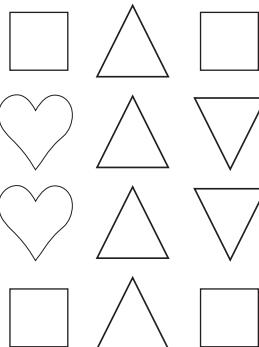


Dirowa mintila leswaku tlheloo ra nkumba wo khavisa ri fana na lerin' wana.

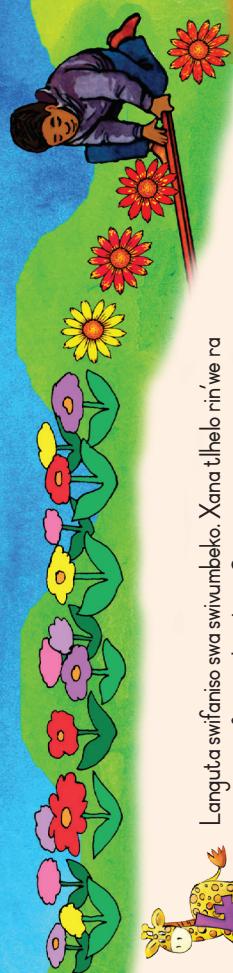




Dirowa tlhelo lerin'wana ra nkumba wo khavisa.
Ri khalare.



Teacher:
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Date:

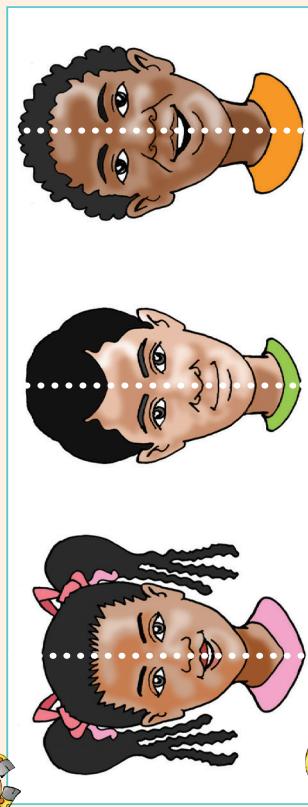


Ndzingano wun'wana

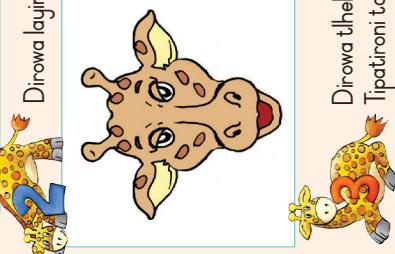
Langata swikanda leswi nga esufanisweni.
Xana tilhelorin'we ra xikandza ra fana na leri'n'wana?

128

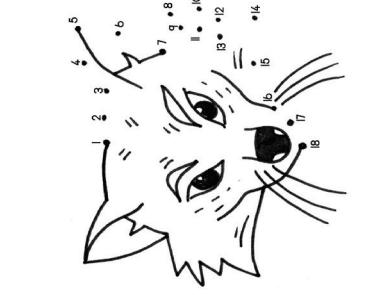
Kotara L



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

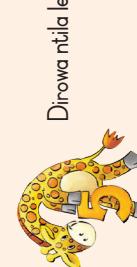


Dirowa tilhelorin'wana ra xikandza.
Tipatironi ta tu nomboro ti tuku pfuna.

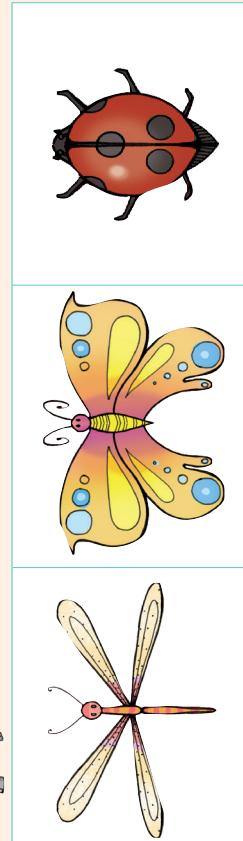


Langata swifaniso swa swivumbeko. Xana tilhelorin'we ra
xitsoso ra fana na leri'n'wana?

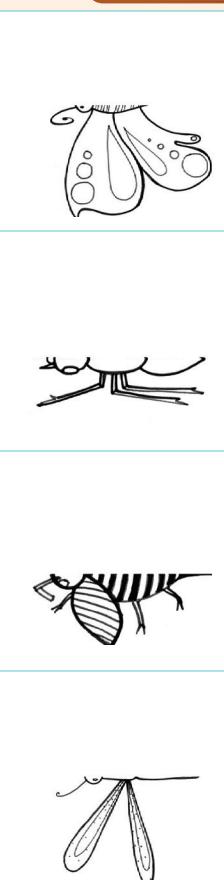
Dirowa ntla leswaku tilhelorin'we ra xitsoso ni fana na leri'n'wana.



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



Dirowa tilhelorin'wana ra xitsoso.



12 13 14 15 16 17 18 19 20