



Manana Angie Motshekga,  
Holobye wa Dyondzo ya  
Masungulo



Nkulukumba Enver Suryt,  
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 Suryt.

Tibuku to tirthela ta Rainbow ti vumba xiyenge xin'wana xa ntlawa wa migingiriko ya Ndzwulo ya Dyondzo ya Masungulo leyi kongomisiweke eka ku antswisa matirhelo ya vadyondzi va Vaafrika-Dzonga eka tigiredi ta ntsev 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.

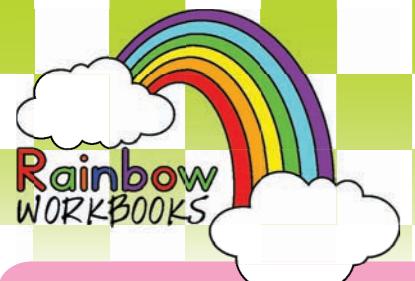
Hi tshemba leswaku tibuku leti ti ta pfuna vadyondzisi eka migingiriko ya vona yo dyondzisa ya masiku hinkwawo no tiyisisa leswaku vadyondzi va vona va kota ku hetu kharikhulamu. Hi tiyisise leswaku hi letela mudyondzisi eka nghingiriko wun'wana na wun'wana hi ku katsa mifungho leyi kombisaka leswi mudyondzisi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

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

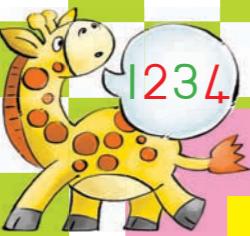
Hi mi navelela ku humeleta, wena na vadyondzi va wena eku tirhiseni tibuku leti to tirthela.

ISBN 978-1-4315-0146-5

9 781431 501465



MATHEMATICS IN XITSONGA  
GRADE 2 – BOOK 2  
TERMS 3 & 4  
ISBN 978-1-4315-0146-5  
**THIS BOOK MAY  
NOT BE SOLD.**



1 2 3 4

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

Rainbow  
WORKBOOKS

MATHEMATICS IN XITSONGA  
GRADE 2 – BOOK 2  
TERMS 3 & 4

ISBN 978-1-4315-0146-5

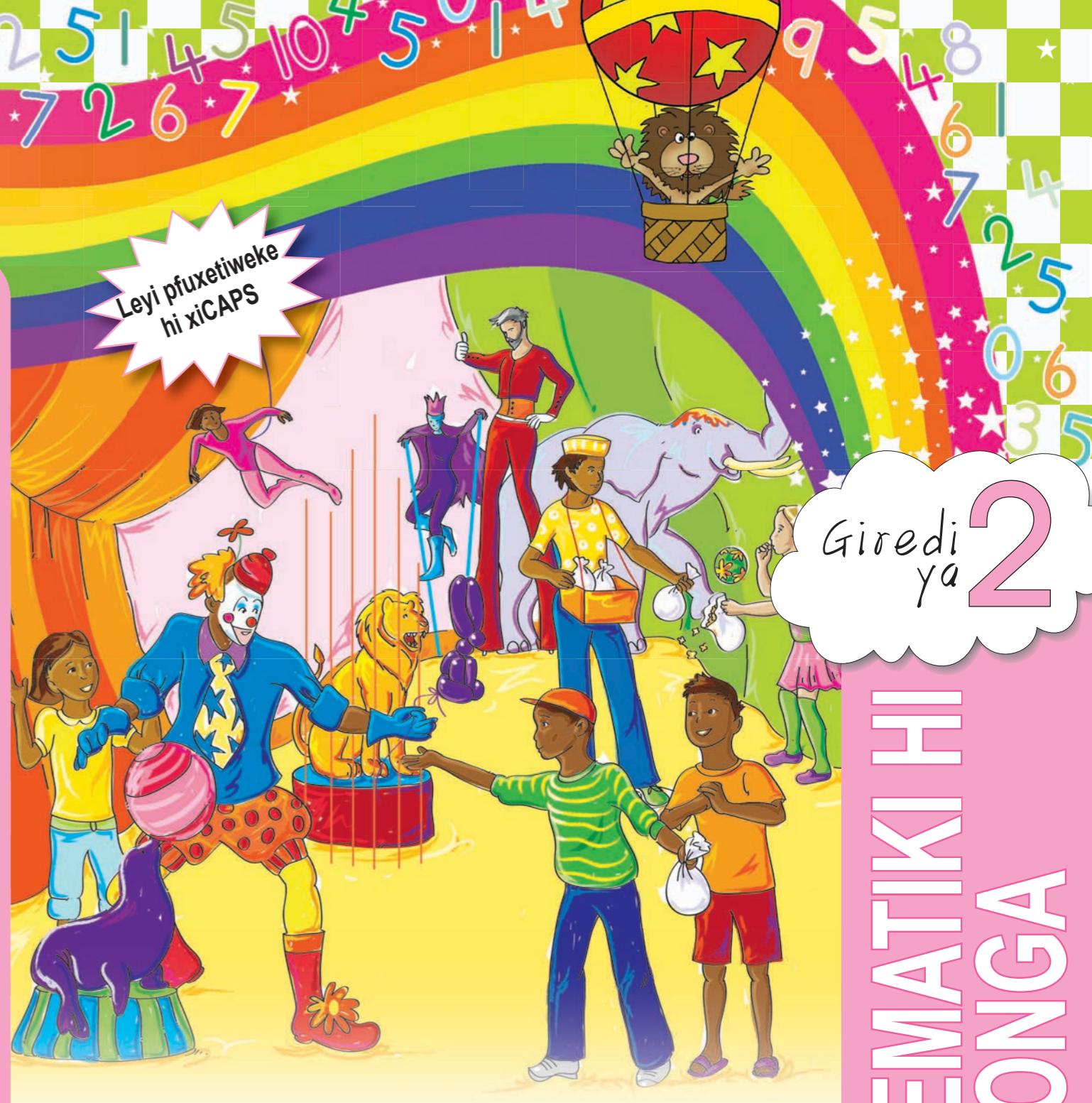
**THIS BOOK MAY  
NOT BE SOLD.**



The Department of Basic Education has made every effort to trace copyright holders but if any have been inadvertently overlooked, the Department will be pleased to make the necessary arrangements at the first opportunity.

MATEMATIKI HI XITSONGA – Giredi ya 2 Buku ya 2

ISBN 978-1-4315-0146-5



Vito:

Tlilasi:



basic education

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA



5 8  
4 6  
7 2 5  
0 6  
3 5

Giredi  
ya 2

MATEMATIKI HI  
XITSONGA

Buku ya 2  
Tikotara ta  
3 & 4

I - 100

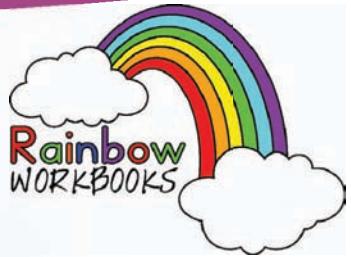
# Leswi nga endzeni

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, mabokisia 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 swiphiqo swa mali	96
110	Ku vumba ntlawna 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 swihlengeletiwa	132
127	Ku ringana eka tipatironi	134
128	Ndzingano wun'wana	136

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	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

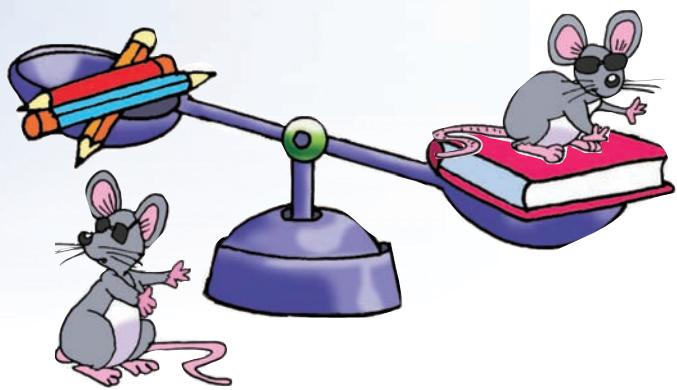
# Giredi 2



M a t e m a t i k i

A horizontal word composed of several colored rectangular blocks. The letters are: M (orange), a (red), t (blue), e (yellow), m (green), a (purple), t (orange), i (pink), k (blue), and i (yellow).

Buku leyji i ya:



XITSONGA  
Buku ya

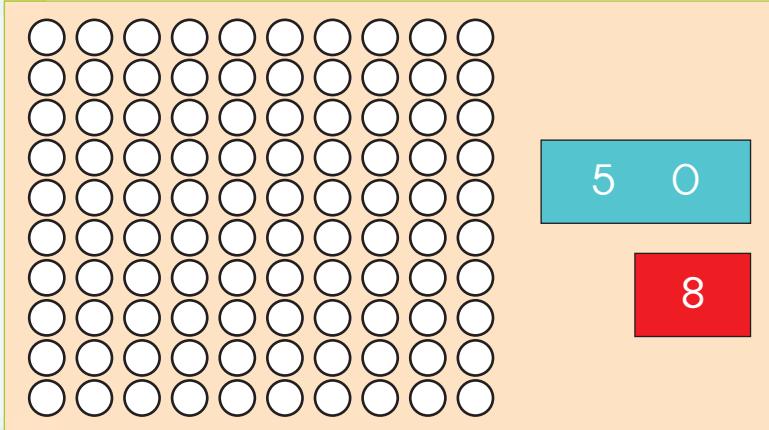
2

65



## Tinomboro ta 50 – qq

Khalara 58 wa swirhendzevutana.



Tsala nhlamulo. Xikombiso xo sungula xi ta ku letela.

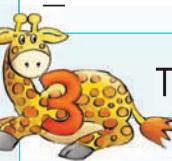
$$60 + 8 = 68$$



=



=



Tsala tinhlamulo ta leswi nga laha henhla hi marito:

makumentsevu nhungu

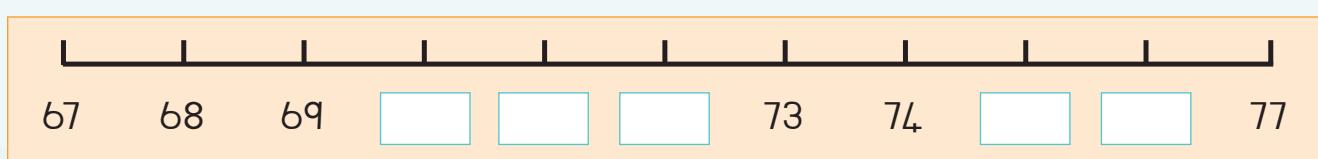
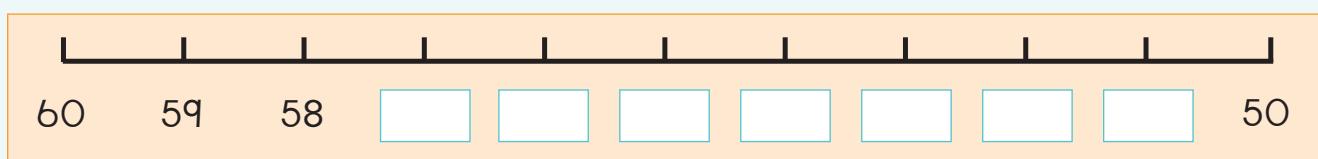
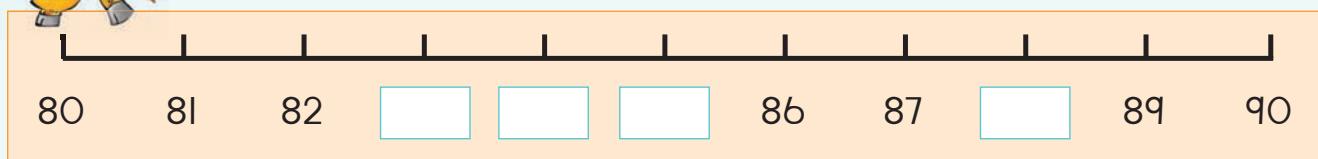


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyji nyikiweke.

Letitsongo	Nomboro	Letikulu
	55	
	63	
	88	
	95	
	71	



Hetisa mindzhati leyji ya mintsengo.



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



Teacher:

Sign:

Date:

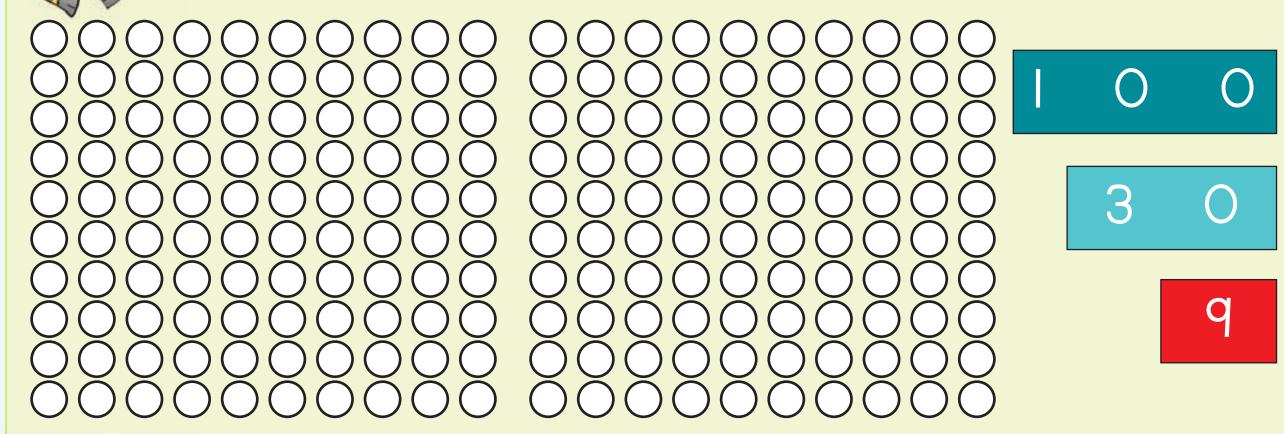
66



## Tinomboro ta 100 – 150

Khalara 139 wa swirhendzevutana.

Kotara 3



Tsala nomboro ya:

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 2 \ 0 \\ \hline 1 \ 2 \ 8 \end{array}$$

100 + 20 + 8  
= 128

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

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 4 \ 0 \\ \hline 1 \ 4 \ 2 \end{array}$$

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

=

$$\begin{array}{r} 1 \ 0 \ 0 \\ + 2 \ 0 \\ \hline 1 \ 2 \ 7 \end{array}$$

=

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

=



Hi yihi nomboro leyi nghenaka exikarhi?

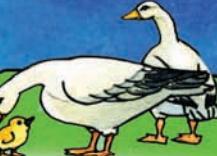
103 na 105? \_\_\_\_\_

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

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

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

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

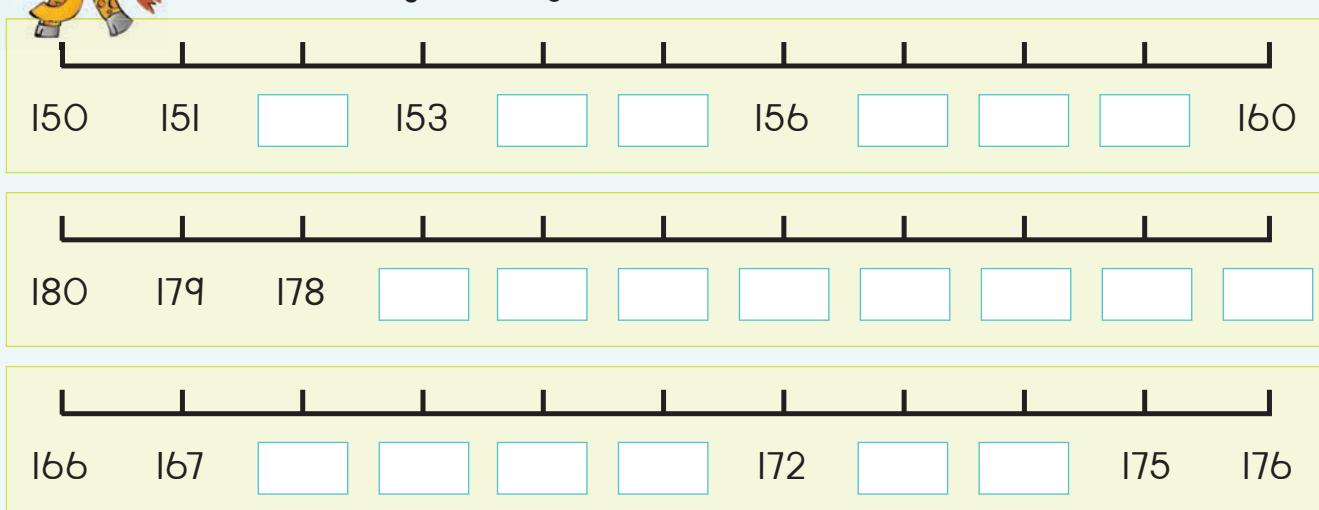


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.

Letitsongo	Nomboro	Letikulu	
	I23		
	I45		
	I08		
	I41		
	I34		



Hetisa mindzhati ya mintsengo.



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



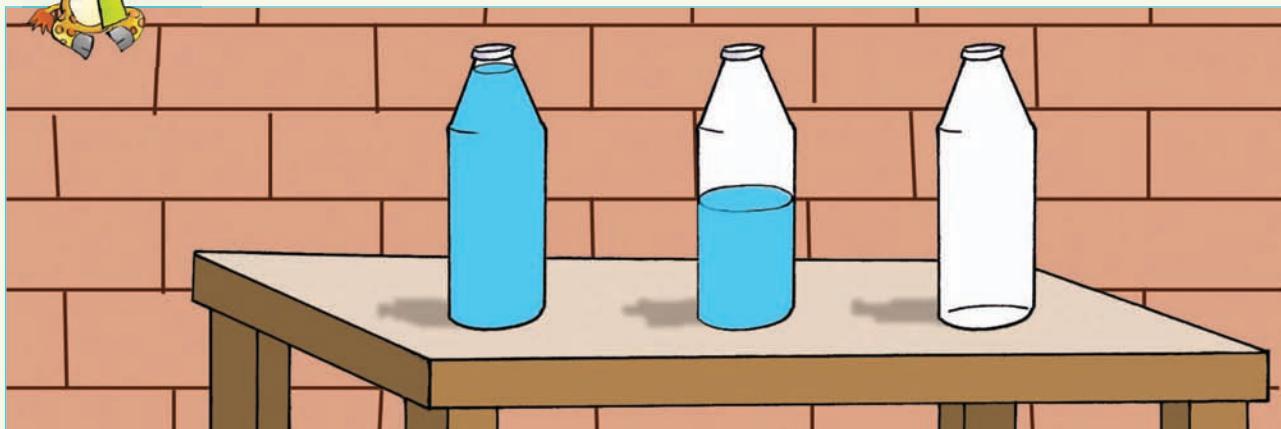
Teacher:

Sign:

Date:

# Ku tala, hafu na ku va hava nchumu

Bula hi mabodhlela lawa ya nga eka tafula ra mudyondzisi.

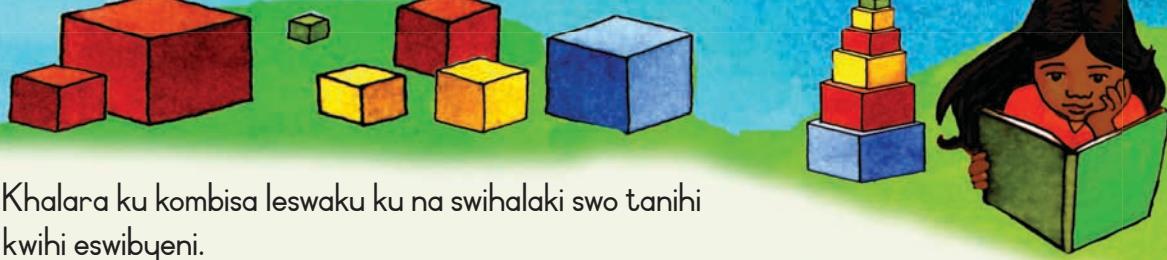


Vula loko xibye xi tele, xi ri hafu kumbe loko xi nga ri na nchumu.

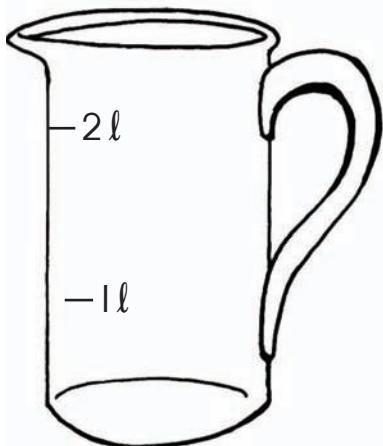




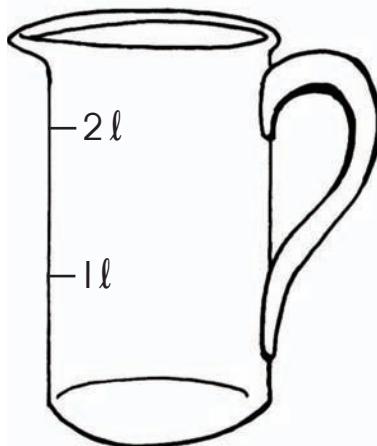
Khalara ku kombisa leswaku ku na swihalaki swo tanihi  
kwihi eswibyeni.



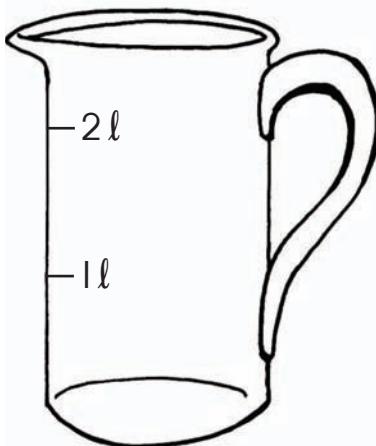
A ku na nchumu.



Ntalo wa le xikarhi.



Xi tele.



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

A ku na nchumu.

Ntalo wa le xikarhi.

Xi tele.



Hi xihi xibye lexi khomaka swo tala ngopfu?



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



## Vuenti byin'wana

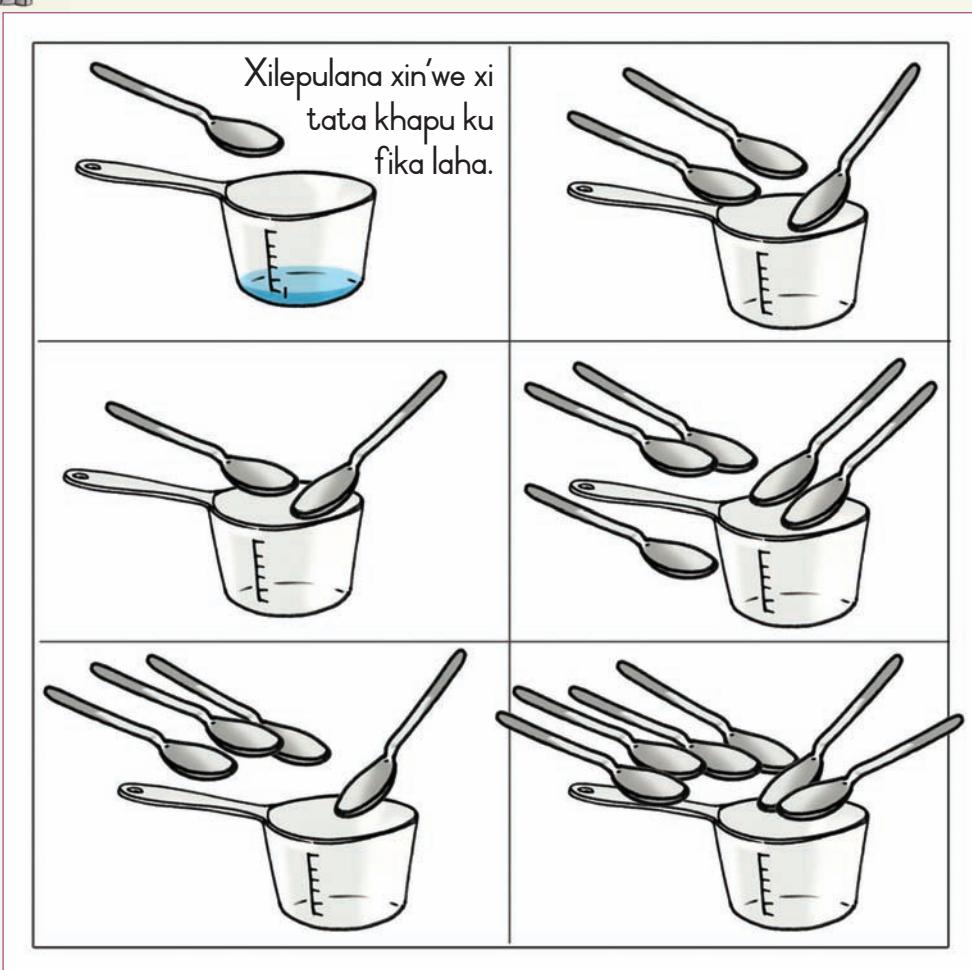
Siku:



Languta xifaniso. Xana vana va endla yini?

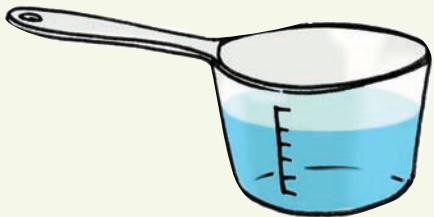


Ku laveka tikhapu ta mati tingani ku tata tijeke leti landzelaka?





Xana ku laveka malepula mangani ku tata bikiri ro pima?



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

---

---

---



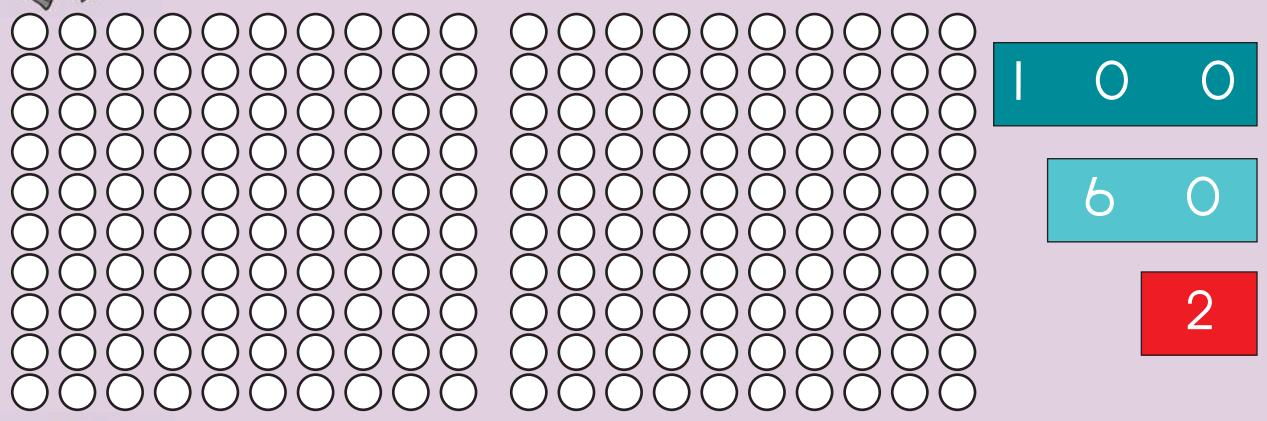
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

69



## Tinomboro ta 150 – 170

Khalara 162 wa swirhendzевutana.



Tsala nomboro ya:

1 0 0    5 0    2

$$100 + 50 + 2 \\ = 152$$

1 0 0    6 0    7

=

1 0 0    7 0

=

1 0 0    6 0    q

=

1 0 0    5 0    4

=

1 0 0    6 0    1

=



Hi yihi nomboro leyi nghenaka exikarhi:

150 na 155

\_\_\_\_\_

158 na 162

\_\_\_\_\_

170 na 165

\_\_\_\_\_

163 na 167

\_\_\_\_\_

172 na 166

\_\_\_\_\_



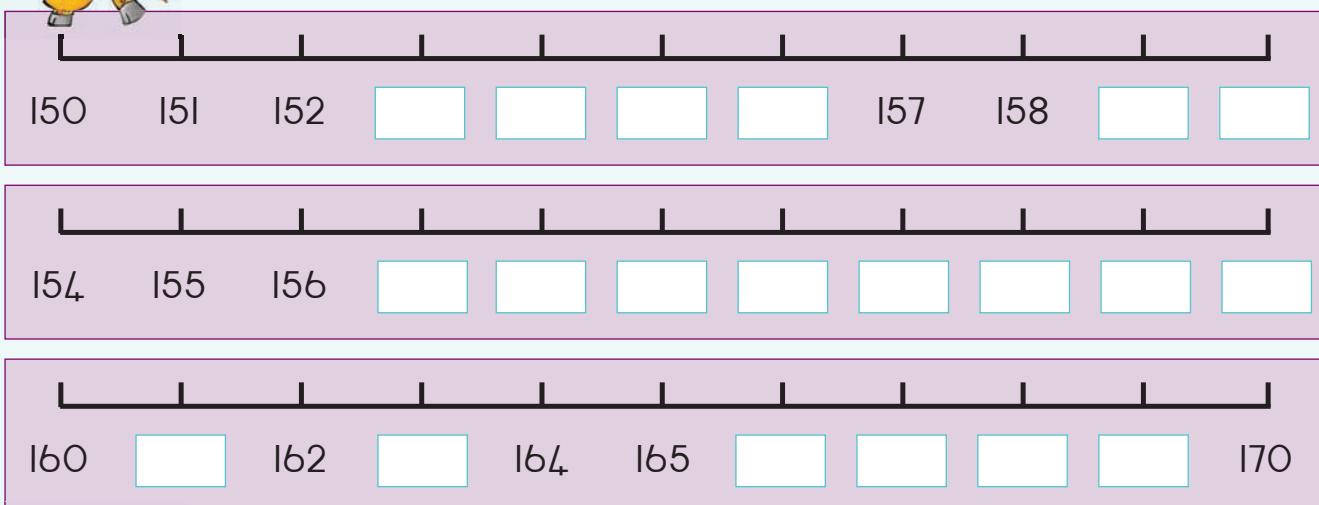
Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.



Letitsongo	Nomboro	Letikulu
	155	
	168	
	151	
	162	
	160	



Hetisa mindzhati ya mintsengo.



Tsema tinomboro tinhharhu 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:

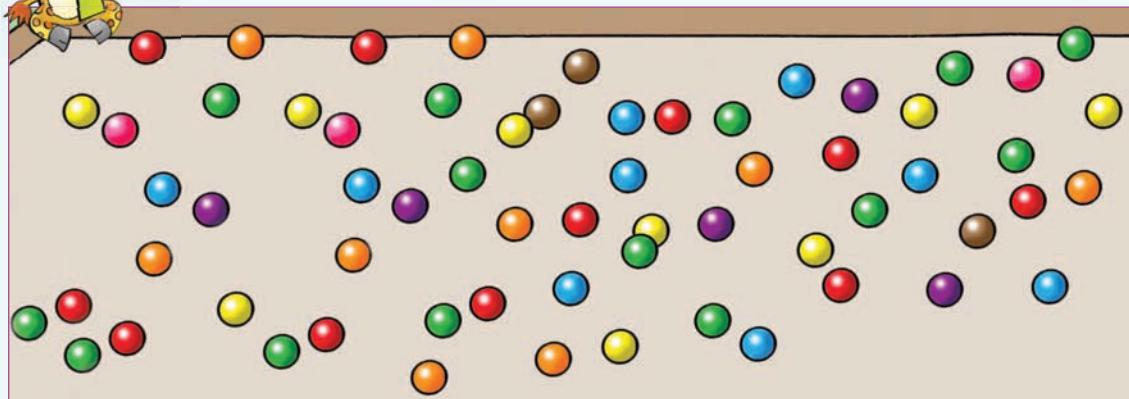
Date:

70

# Ku hlayela na ku pimanyeta (0 – 100)



Pimanyeta kutani u hlayela vuhlalu.

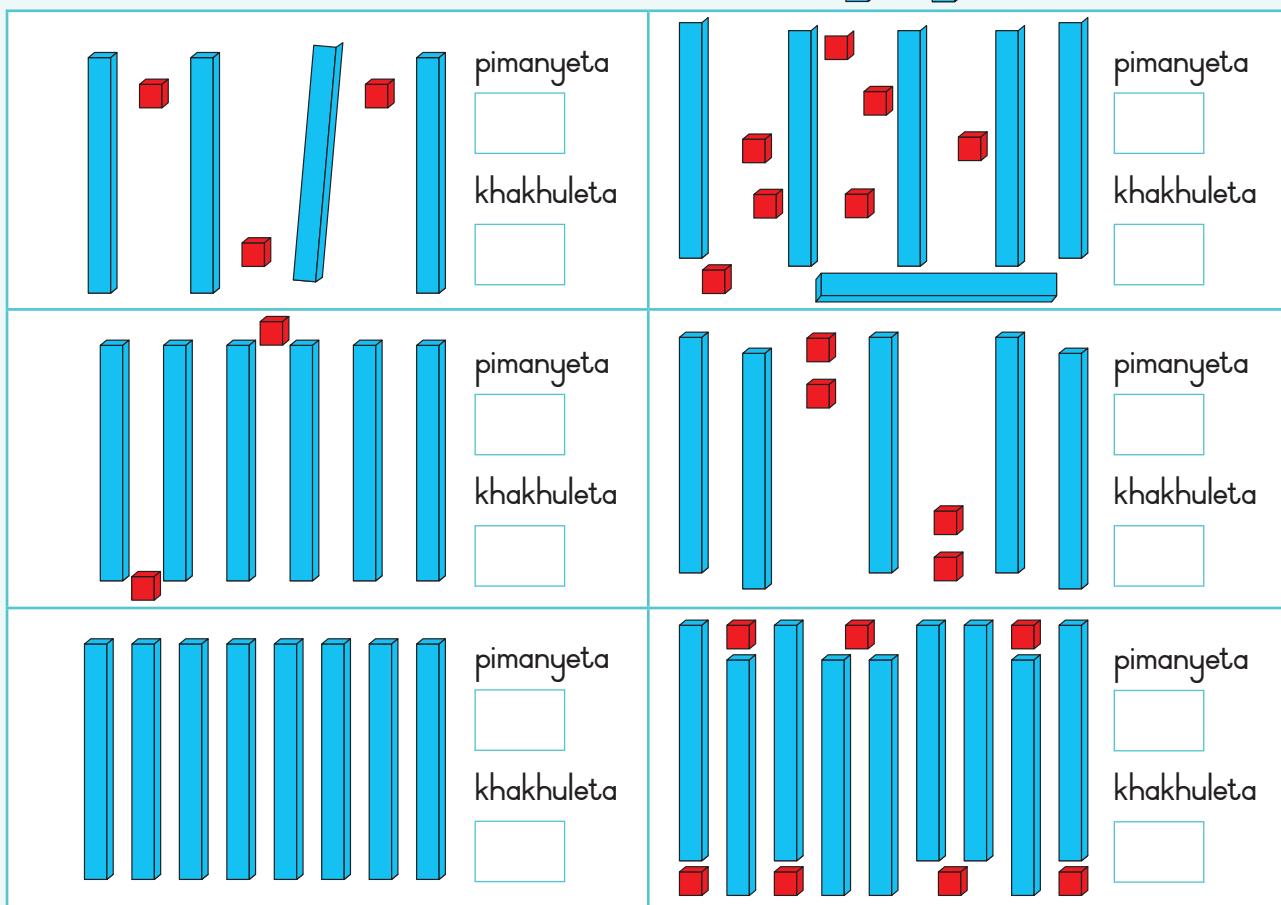
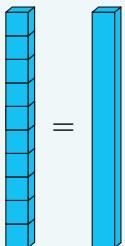


pimanyeta

khakhuleta



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

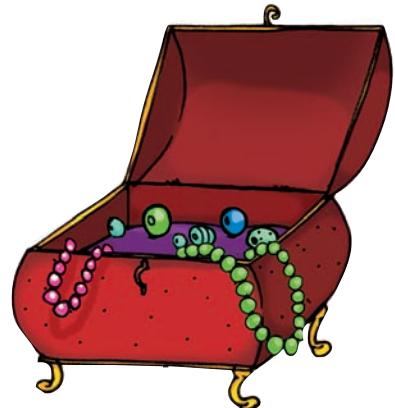




Ku na 42 wa malekere ebokisini. Xana ku tumbetiwe mangani?



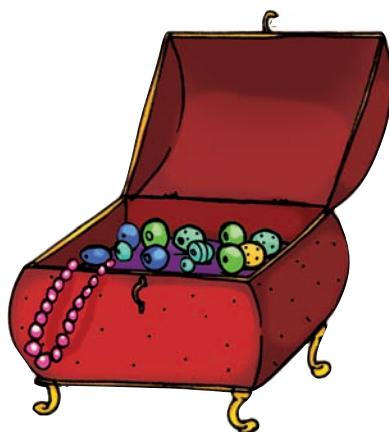
Ku na 50 wa vuhlalu ebokisini. Xana ku tumbetiwe byingani?



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

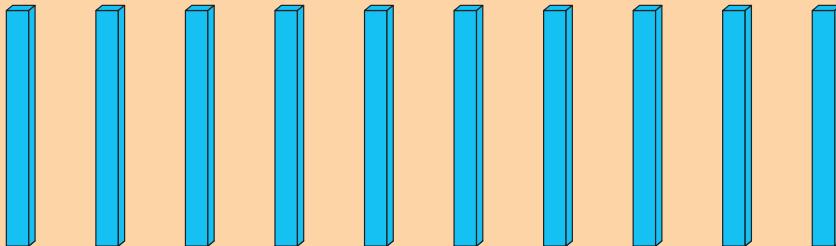


Ku na 100 wa vuhlalu ebokisini. Xana ku tumbetiwe byingani?



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

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



71



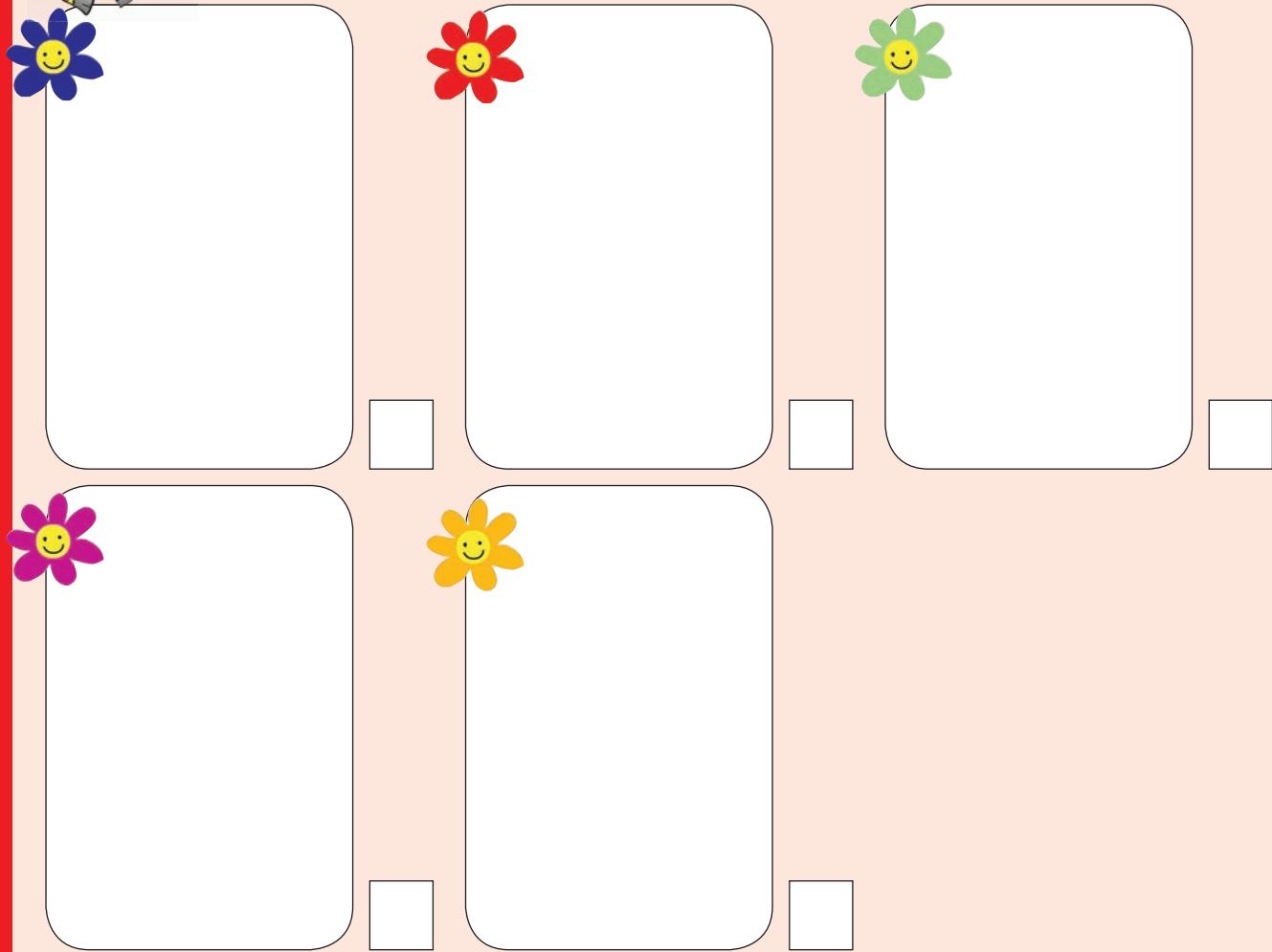
## Switiviwa swin'wana

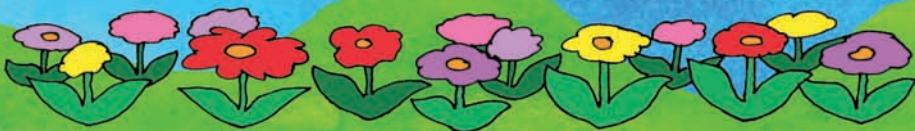
Siku:

Kotara 3



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

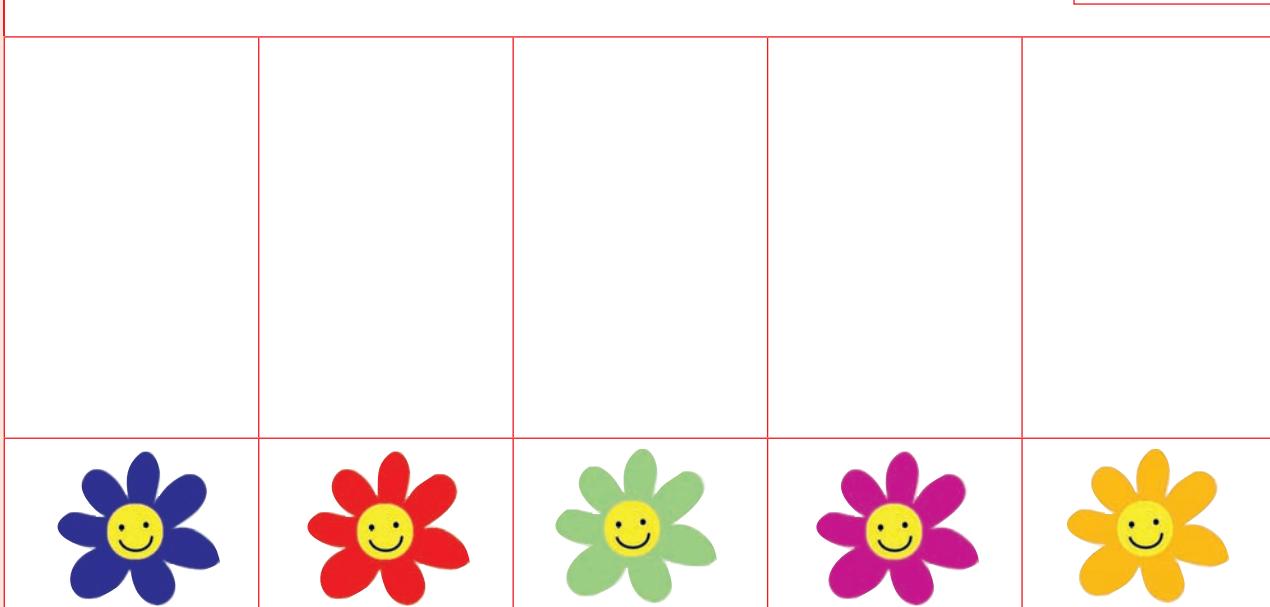




Dirowa girafu ya swifaniso swa swiluva swa wena leswi u swi veketeleke kahle. Xana nhlokomhaka ya wena yi ta va yini?



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?



Teacher:

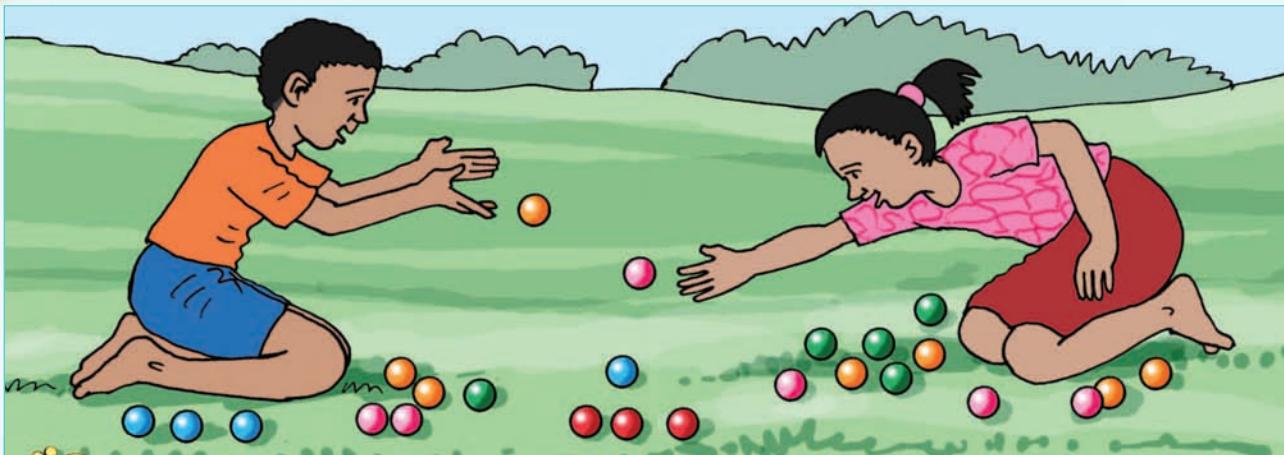
Sign:

Date:



## Ku hlanganisa 0–50

Kotara 3



Languta xifaniso kutani u hlanganisa timabulu.

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



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

2

1 0

5

2 0

3

3 0

7

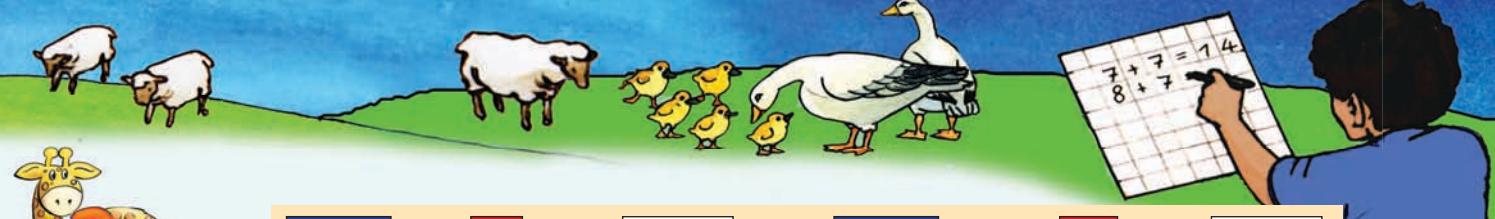
4 0

$$7 + 40 = 47$$

$$10 + 2 = 12$$

$$20 + 5 = 25$$

$$3 + 30 = 33$$



Hlanganisa.



Hlanganisa.

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

$16 + 13$

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

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

$24 + 12$

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

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

$37 + 11$

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

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

$25 + 23$

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

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

$36 + 12$

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

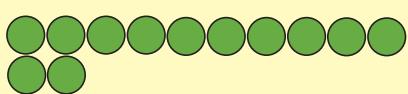
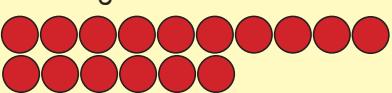
$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$28 + 21$

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

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

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



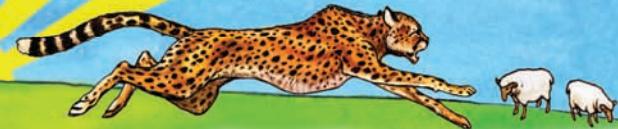
Xana ntsengo wa swona hinkwaswo i yini?



Teacher:

Sign:

Date:



## Ku hlanganisa 0–75

Kotara 3

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

$$\begin{array}{|c|c|} \hline 1 & 10 \\ \hline 5 & 10 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 6 & 20 \\ \hline 2 & 10 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 3 & 20 \\ \hline 5 & 30 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 4 & 40 \\ \hline 4 & 30 \\ \hline \end{array}$$



Hlanganisa.

$12 + 11$

$$\begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} = \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} = \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} = \boxed{\phantom{0}}$$

$23 + 41$

$$\begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} = \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} = \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} + \begin{array}{cc} \boxed{\phantom{0}} & \boxed{\phantom{0}} \end{array} = \boxed{\phantom{0}}$$



Hetisa.

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

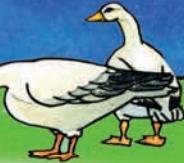
$$34 + \boxed{12} = \boxed{3} \boxed{4} + \boxed{1} \boxed{0} + \boxed{2} = \boxed{\phantom{0}} + \boxed{\phantom{0}} = \boxed{\phantom{0}}$$

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

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

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





Hlanganisa.

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

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

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

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

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

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

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

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

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

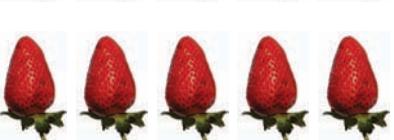
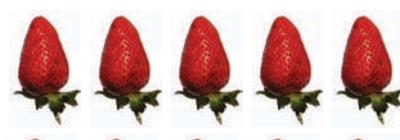
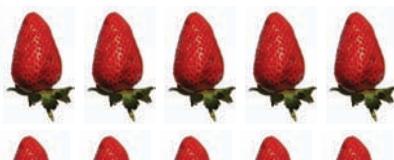


Ntsengo wa 47 na 6 i  

Dirowa xifaniso u kombisa nhlamulo ya wena.



Endla nhlayo ya wena ya marito hi ku tirhisa swifaniso.



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

74



## Ku hlanganisa no susa: 0 – 75

Kotara 3



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

9

6 0

5

5 0

4

7 0

7

4 0

$7 + 40 = 47$

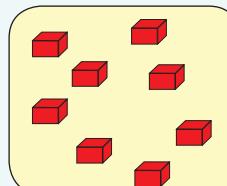
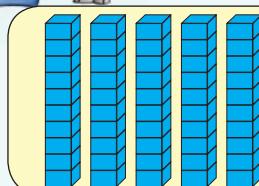
$60 + 9 = 69$

$50 + 5 = 55$

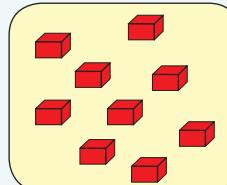
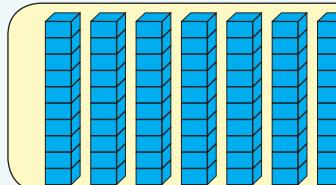
$4 + 70 = 74$



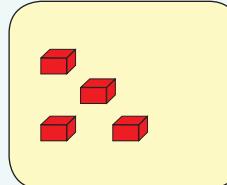
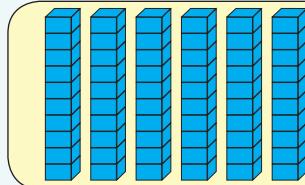
Tsala nhlayo ya leswi landzelaka kutani u tata tinhlamulo.



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



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



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



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

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

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

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

Hlanganisa.

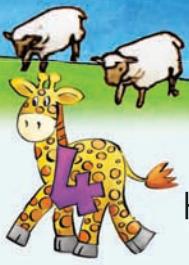
$2 0 + 8 = \boxed{\phantom{0}}$

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

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

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

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



Hlanganisa.

$56 + 15$

$56 + 15 = 71$



$34 + 17$

$48 + 13$

$63 - 41$

$75 - 51$

$72 - 49$

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



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

Teacher:

Sign:

Date:



## Tibolo, mabokisi na tisilindara

Siku:



Xana wa ha  
tsundzuka  
swivumbeko swa  
swilo leswi?

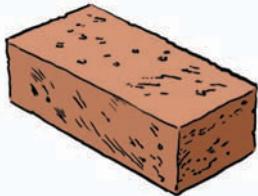
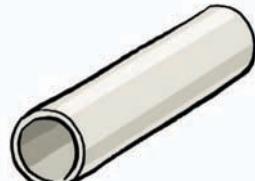
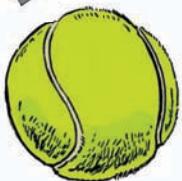
Marito lama ma nga ku pfuna:

**mabokisi**

**tibolo**

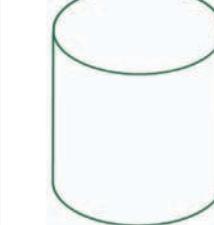
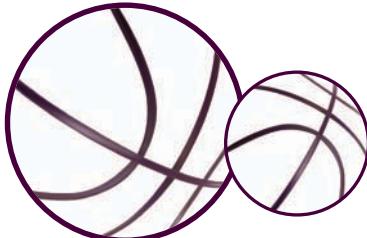
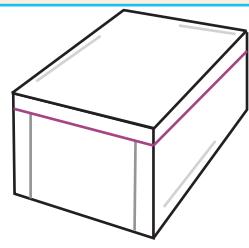
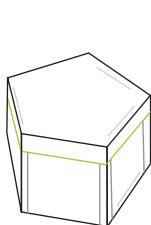
**tisilindara**

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?

---



---



---



Teacher:

Sign:

Date:



## Rhetisa, khunguluxa no aka hi swilo swa 3 wa matlhelo

Siku:

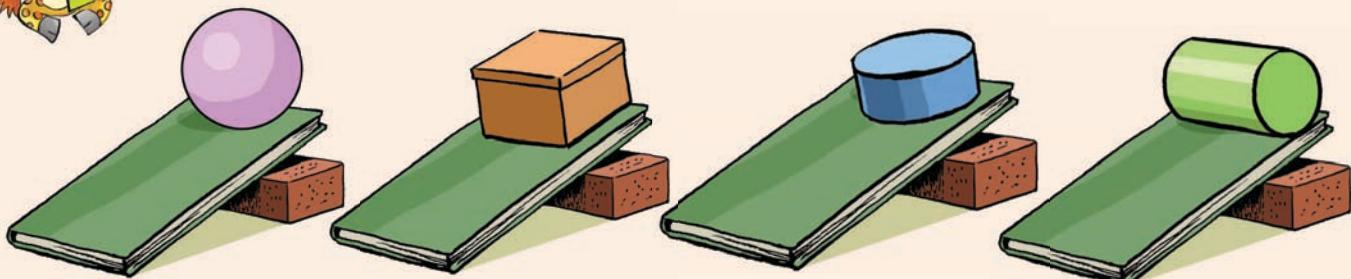


Mudyondzisi wa wena u ta endla nghingiriko lowu leswaku u kota ku vona loko leswi landzelaka swi ta kota ku balansa:

- 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.



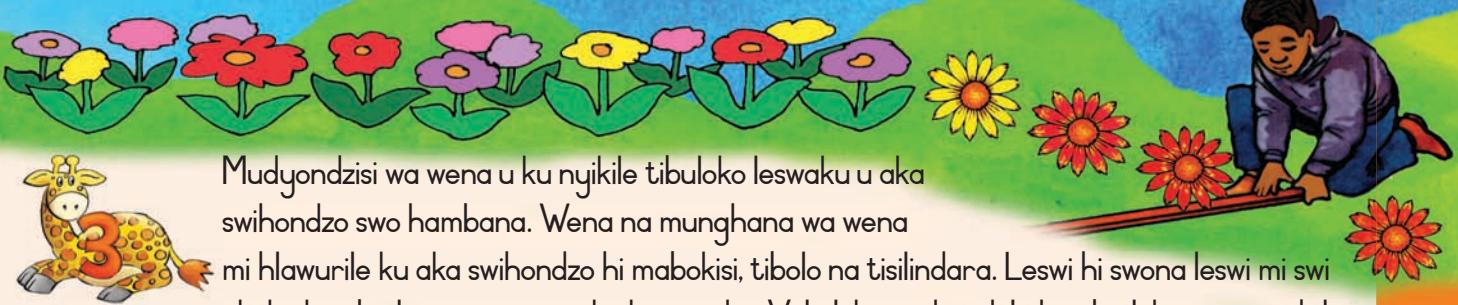




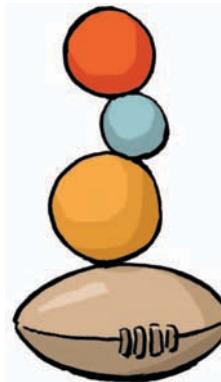

Kuma swifaniso swa swilo eka timagazini leswi swi khungulukaka kumbe leswi rhetaka kutani u swi damarheta laha.

khunguluka

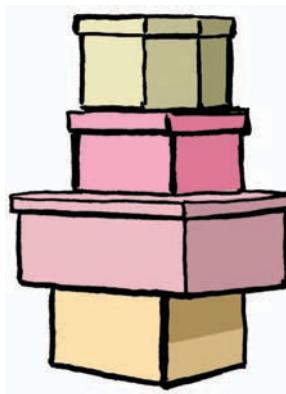
rheta



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**

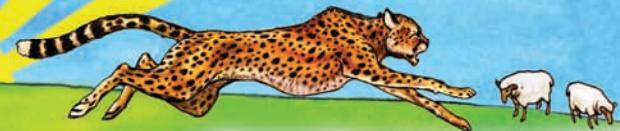


Hi leswi swihondzo swa mabokisi ya mencisi.



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

Teacher:
Sign:
Date:



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

Kotara 3



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

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



Hlanganisa u tirhisa maendlele ya wena.

$52 + 21$

$43 + 28$



Hetisa.

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

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

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



Hlanganisa.

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

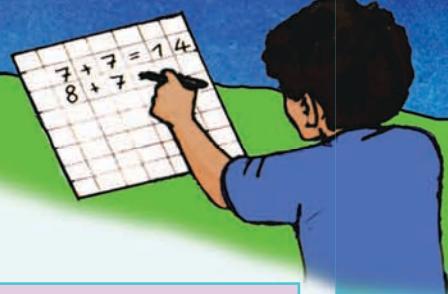
$44 + 10 = \boxed{\phantom{0}}$

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



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

Dirowa xifaniso u kombisa nhlamulo ya wena.



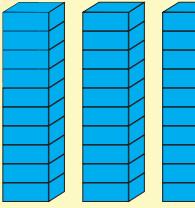
Susa tinomboro ta le ka bokisi ra le hansi ku suka  
eka tinomboro ta bokisi ra le henhla.

**6**

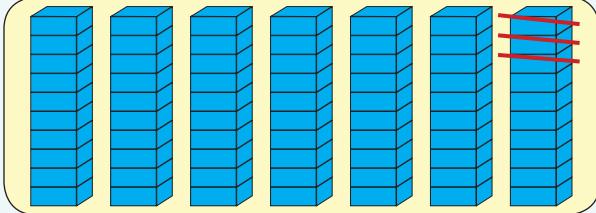
**3**

**7**

Tsala nhlayo ya leswi landzelaka.



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



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



Susa:

$$65 - 23$$

$$72 - 29$$



Susa.

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

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

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



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



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



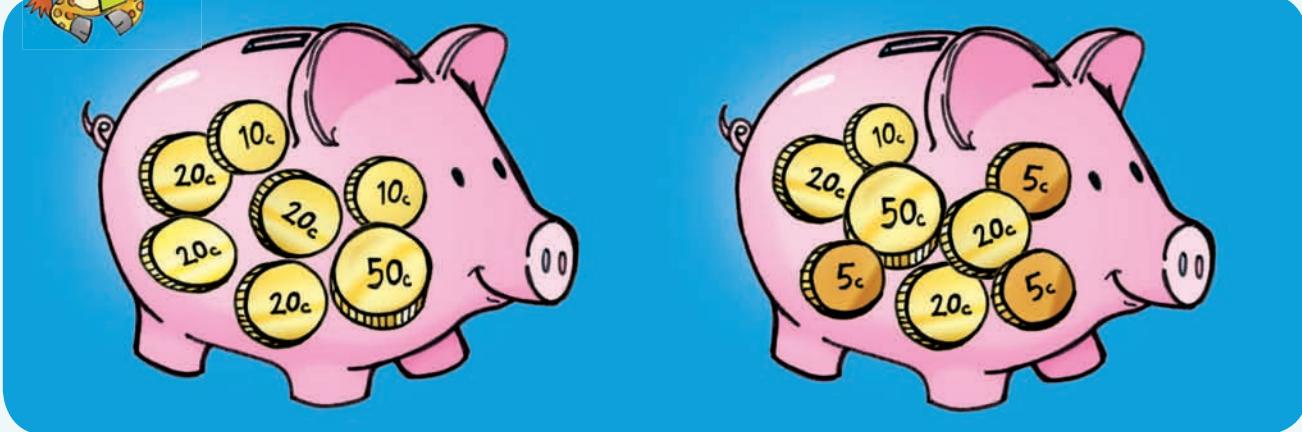
Teacher:
Sign:
Date:



## Mali yin'wana

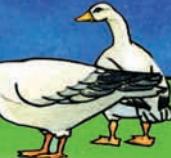


Xana ku na yini ebangi ya mina ya xingulubyana?

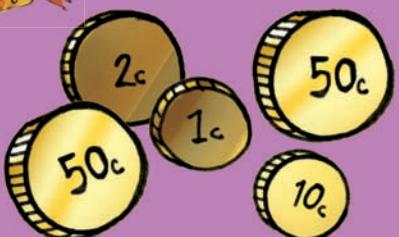


Tirhisa swingwece swo huma eka Xitsemiwa xa 3 kutani u namarheta mintsengo leyi faneleke laha.

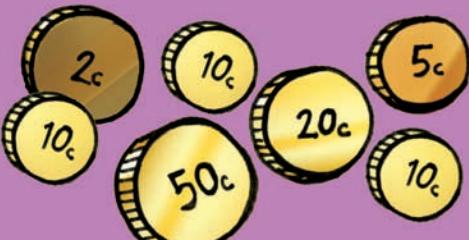


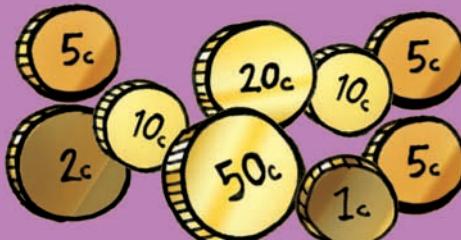


Xana ku na tisente tingani?



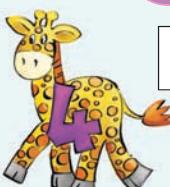












Tinhlayo ta marito:

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

Dirowa xifaniso u kombisa nhlamulo  
ya wena.

Ndzi na 170c. Ndzi xavile swiwiitsi hi 100c.  
Xana ndzi sale na mali muni?  
Dirowa xifaniso u kombisa nhlamulo  
ya wena.






## Mali ya phepha yin'wana

Xana ku na mali muni exipacini xa mina?

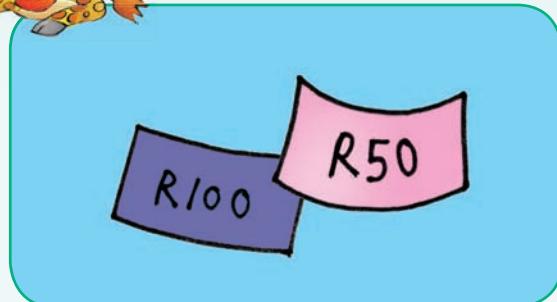


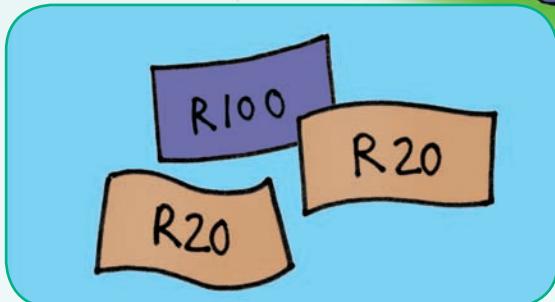
Tirhisa mali ya phepha yo huma eka Xitsemiwa xa 3 kutani u namarheta mintsengo leyi faneleke laha.

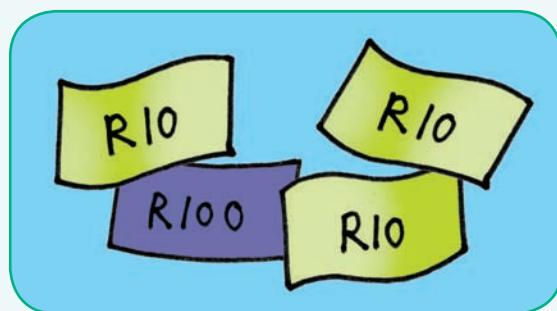


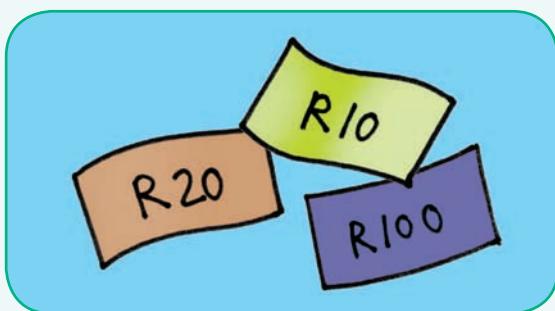


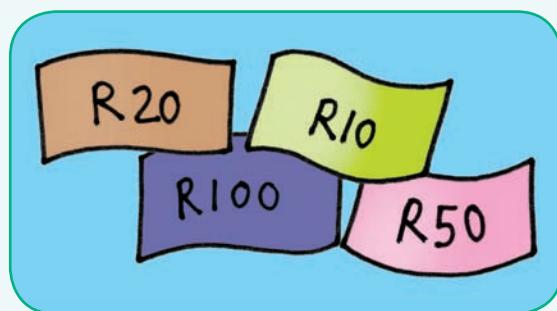
Xana ku na tirhandi tingani?















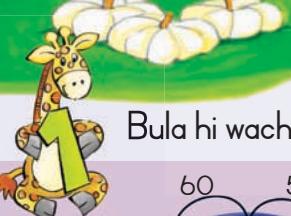
Tinhlayo ta marito:

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

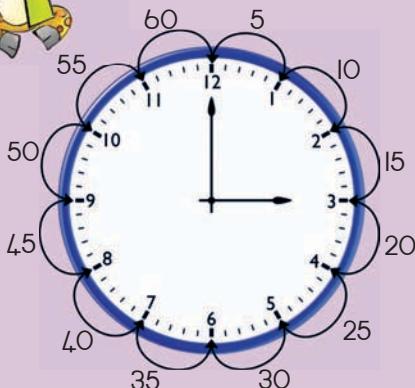
Ndzi na R160. Ndzi xavile hembe ya R50. Xana ndzi sale na mali muni?



# Tipatironi ta nkarhi



Bula hi wachi.



Wachi yi kombeta nkarhi.

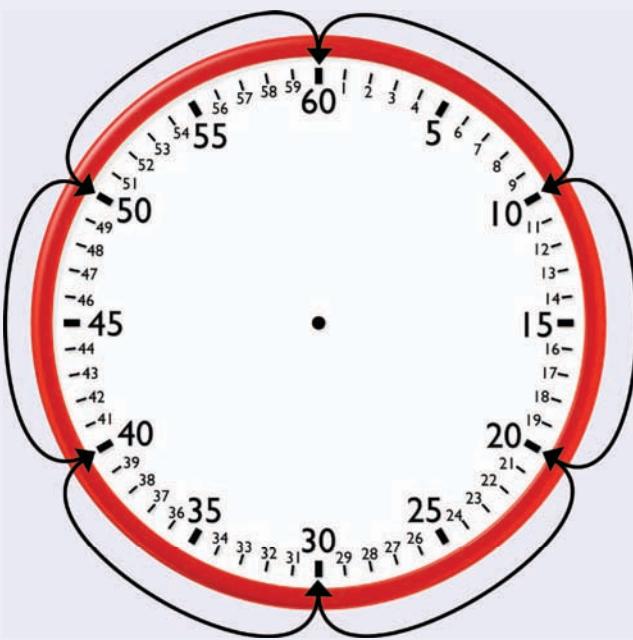
Rimhondzo ro koma ri hi kombeta tiawara.

Rimhondzo ro leha ri hi kombeta timinete.

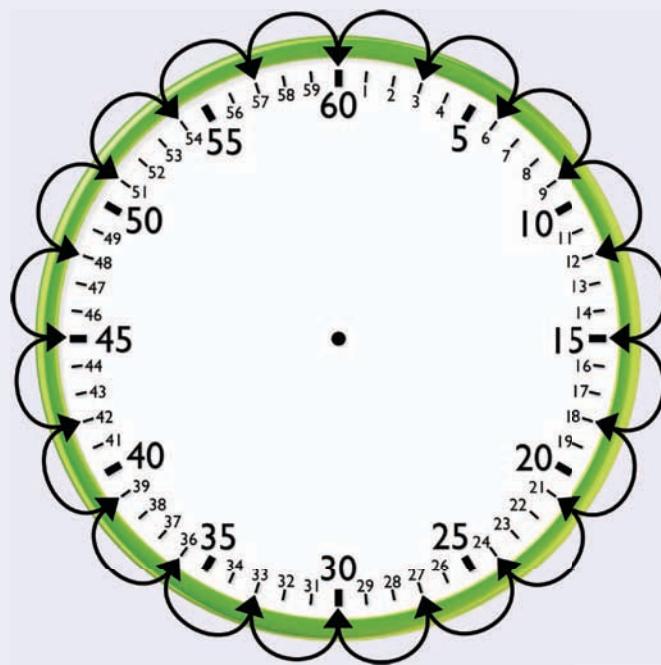
Laha hi hlayela timinete hi vunthalhanu



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



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



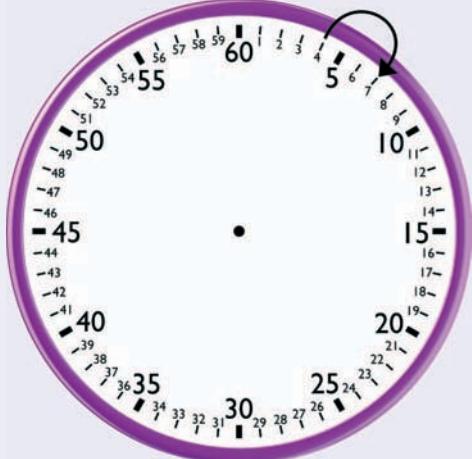
3, \_\_, \_\_, \_\_, \_\_, \_\_, \_\_,

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

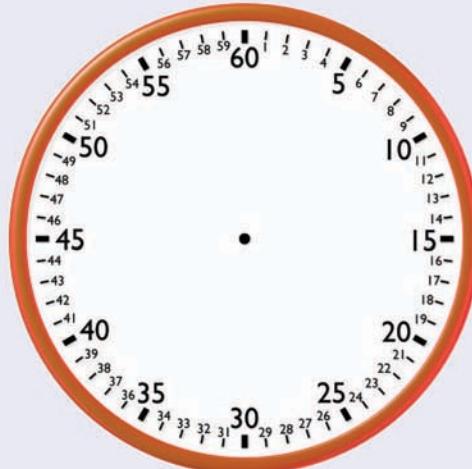


Kombisa patironi u tirhisa minseve.

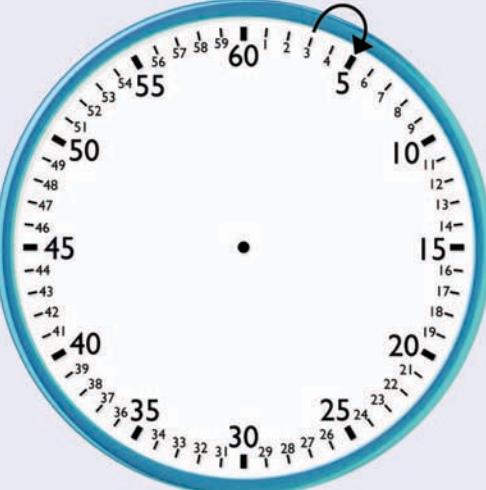
Hlayela hi vu-3 u sungula eka 4.



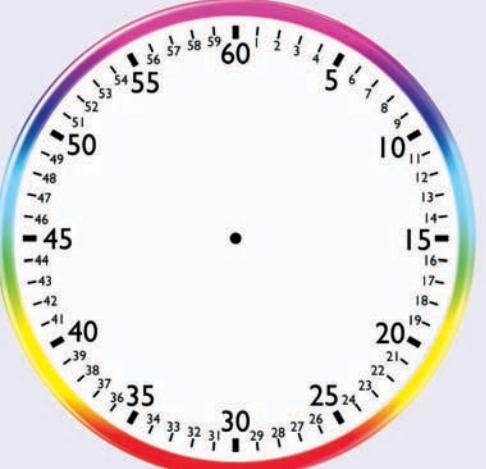
Hlayela hi vu-10 u sungula eka 1.



Hlayela hi vu-2 u sungula eka 3.



Hlayela hi vu-5 u sungula eka 2.



Xana u ya exikolweni hi nkarhi muni?



Xana u ya ekaya hi nkarhi muni?



Xana u dya swakudya swa madyambu hi nkarhi muni?



Teacher:

Sign:

Date:

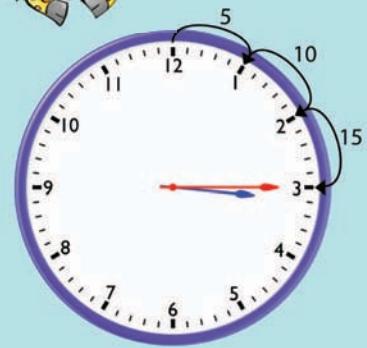
8la



Bula hi wachi.



## Tiawara na timinete



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

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

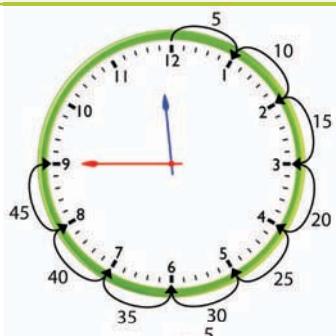
Hi ri i **kotara** ku bile awara ya **nharhu**

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

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



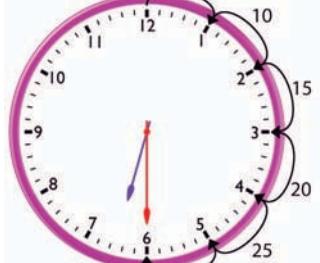
Xana i nkarhi muni?



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

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

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



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

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

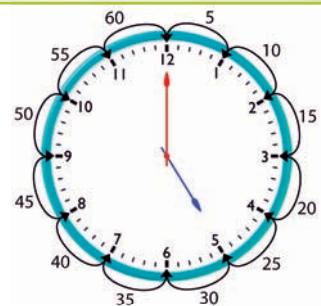
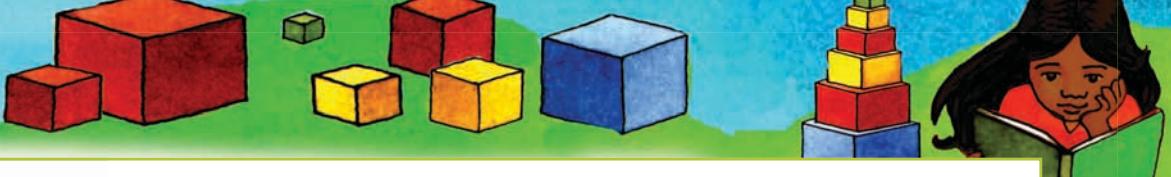
Hi ri i \_\_\_\_\_.



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

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

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



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

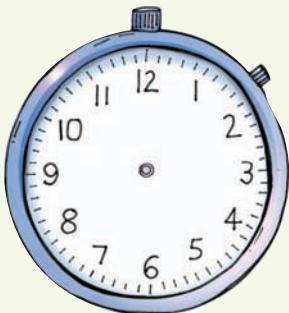
Rimhondzo ro leha ri hi kombা \_\_\_\_\_.

Hiri i \_\_\_\_\_.



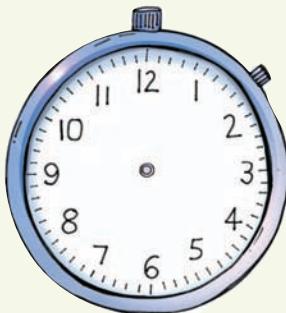
Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku bile awara ya mbirhi.



Awara ya khume  
ehenhla ka nhloko.

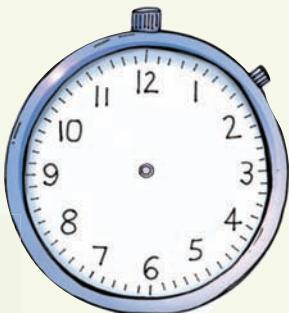
Hafu ku bile awara ya kaye.



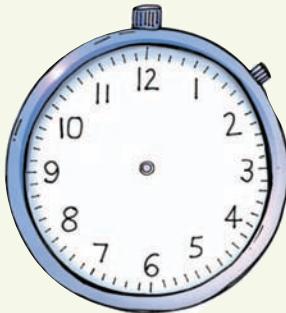
Kotara ku ya eka awara  
ya ntsevu.



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.



Teacher:
Sign:
Date:

8lb

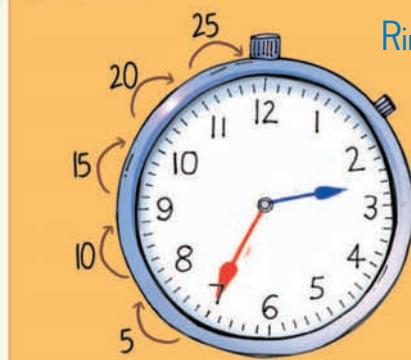


Bula hi wachi.

Kotara 3



## Timinete na tiawara



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

Rimhondzo lero leha ri yime eka 35 wa timinete.

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

Hi ri i makumembirhi ntlanhu 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 \_\_\_\_\_.

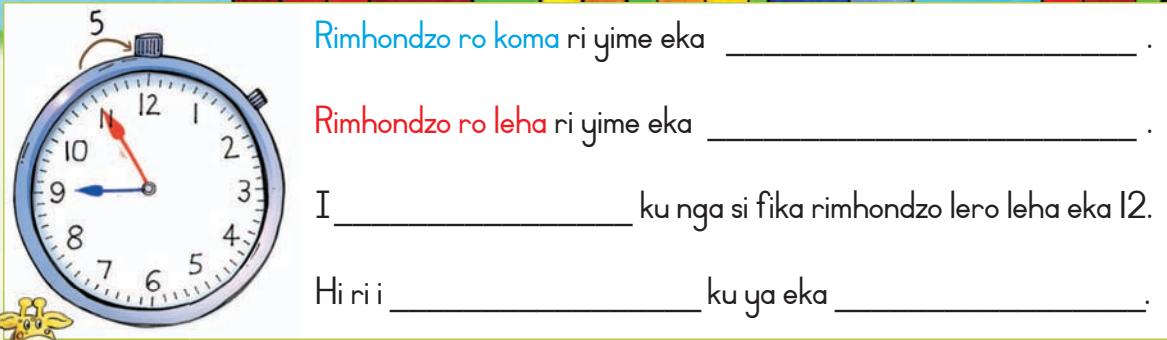


Rimhondzo ro koma ri yime eka \_\_\_\_\_.

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.

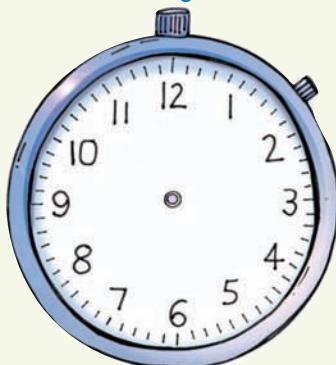
Makumembirhi wa timinete ku ya eka awara ya nharhu.

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

Khume ra timinete ku ya eka awara ya ntsevu.

Khumenharhu ku ya eka awara ya nkombo.

Khumembirhi ku ya eka awara ya khumembirhi.



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



## Ku hlanganisa ko vuyeleriwa

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

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

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

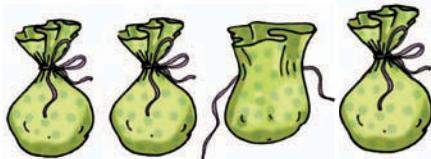
Ndzi nga tsala tanihi  
 $5 + 5 + 5 = 15$   
 kumbe  
 $3 \times 5 = 15$



Languta swinkwamana leswi nga na swiwitsi:

- 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 swiwitsi eka wona.

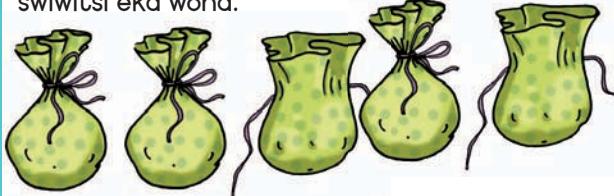


Xivulwa: 4 wa mintlawa ya 2

Nhlayo yo hlanganisa:  $2 + 2 + 2 + 2 =$  \_\_\_\_\_

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

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



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

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

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

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



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

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

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

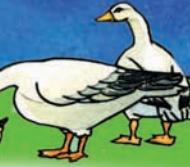
Nkwama wun'wana na wun'wana wu na 2 wa swiwitsi eka wona.



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:

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

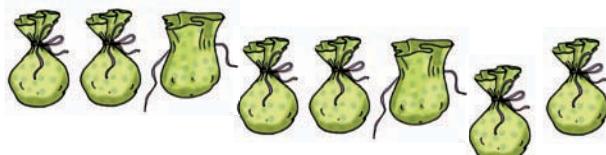
$$\text{Nhlayo yo andzisa: } 7 \times 4 = 28$$



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 swikhapana ya ntlhanu eka bokisi rin'wana na rin'wana. Xana ku na makhekhe ya swikhapana mangani hinkwato ka wona?



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



Teacher:  
Sign:  
Date:



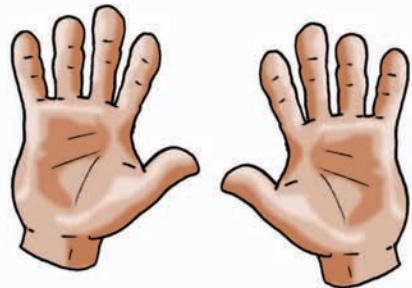
## Andzisa hi 5

Kotara 3

Nenge wun'we wu na 5 wa swikunwana.



Voko rin'we ri na 5 wa tintiho.



Xana swikunwana hinkwaswo i swingani?

Xana tintiho hinkwato i tingani?



Hetisa leswi landzelaka:



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

Swikunwana  
enkondzweni  
wun'we

Mikondzo



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

Tintiho  
evokweni  
rin'we

Mavoko



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

Swikunwana  
enkondzweni  
wun'we

Mikondzo



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

Tintiho  
evokweni  
rin'we

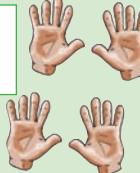
Mavoko



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

Swikunwana  
enkondzweni  
wun'we

Mikondzo



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

Tintiho  
evokweni  
rin'we

Mavoko



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

Swikunwana  
enkondzweni  
wun'we

Mikondzo



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

Tintiho  
evokweni  
rin'we

Mavoko



Hetisa leswi landzelaka:

5	10	15						
---	----	----	--	--	--	--	--	--

50	45	40						
----	----	----	--	--	--	--	--	--



Hetisa leswi landzelaka:

$5 \times$ = <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



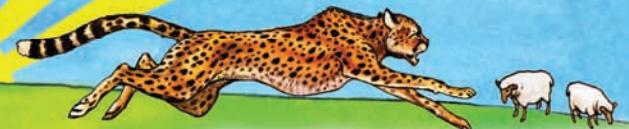
Hetisa leswi landzelaka:

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

$14 \times 5 =$ <input type="text"/> $\begin{array}{r} 1 \quad 0 \\ \times \quad 4 \\ \hline \end{array} \times 5$ $= \begin{array}{r} \quad \quad \\ + \quad 4 \end{array} \times 5$ $= \begin{array}{r} \quad \quad \\ \times \quad 5 \end{array} + \begin{array}{r} 4 \\ \times 5 \end{array}$ $= \quad \quad \quad$ $= \quad \quad \quad$	$13 \times 5 =$ <input type="text"/> $\begin{array}{r} 1 \quad 0 \\ \times \quad 3 \\ \hline \end{array} \times 5$ $= \begin{array}{r} \quad \quad \\ + \quad 3 \end{array} \times 5$ $= \begin{array}{r} \quad \quad \\ \times \quad 3 \end{array} + \begin{array}{r} 3 \\ \times 5 \end{array}$ $= \quad \quad \quad$ $= \quad \quad \quad$
--	--



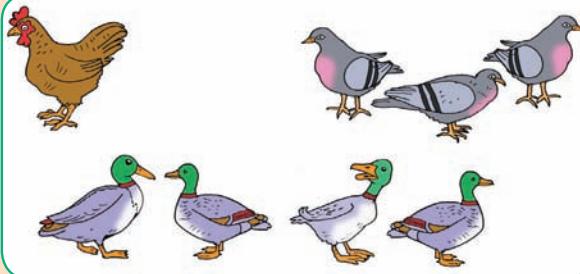
Teacher:  
Sign:  
Date:



## Andzisa hi 2

Kotara 3

Tinyenyana hinwato  
ti na 2 wa milenge.



Tinyenyana hinkwato  
ti na timpapa ti 2.

Xana xifaniso lexi xi na  
milenge yingani?

Ku na timpapa tingani  
exifanisweni lexi?



matuva

Languta xifaniso lexi kutani u hetisa leswi landzelaka:

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

Nhlayo ya matuva      Milenge ya nyenyana yin'we.

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

Nhlayo ya matuva      Timpapa ta nyenyana yin'we



masekwa



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

Nhlayo ya masekwa      Milenge ya nyenyana yin'we.

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

Nhlayo ya masekwa      Timpapa ta nyenyana yin'we



Hetisa leswi landzelaka:

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

20	18	16							
----	----	----	--	--	--	--	--	--	--



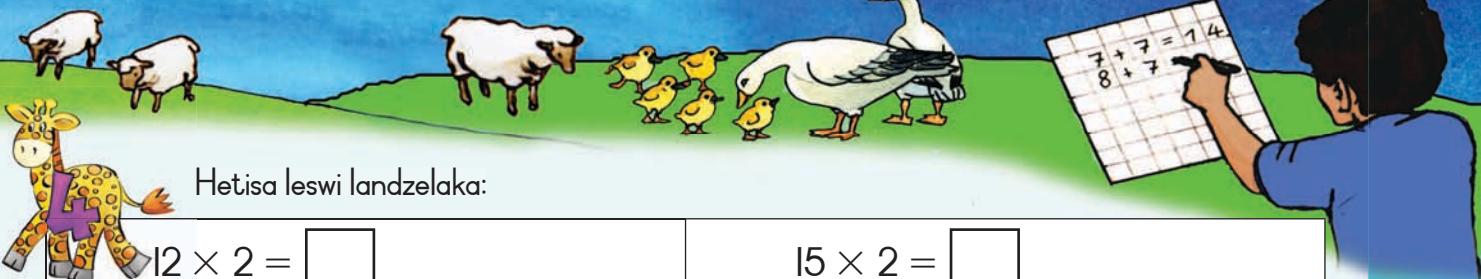
Hetisa leswi landzelaka:

$$5 \times \boxed{\text{apple apple}} = \boxed{\phantom{0}} \text{ wa maapula}$$

$$4 \times \boxed{\text{banana banana}} = \boxed{\phantom{0}} \text{ wa mabanana}$$

$$6 \times \boxed{\text{banana banana}} = \boxed{\phantom{0}} \text{ wa mabanana}$$

$$7 \times \boxed{\text{apple apple}} = \boxed{\phantom{0}} \text{ wa maapula}$$



Hetisa leswi landzelaka:

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

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

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

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

$$= 20 + 4$$

$$= 24$$



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

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

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

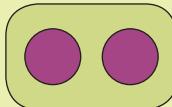
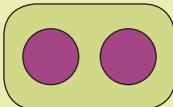
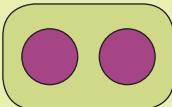
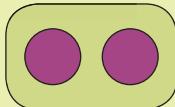
$$= \boxed{\phantom{00}} \times \boxed{\phantom{0}} + \boxed{\phantom{00}} \times \boxed{\phantom{0}}$$

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

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



5



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

kumbe

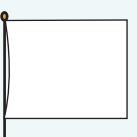
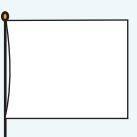
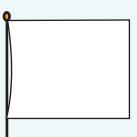
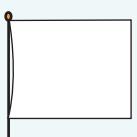
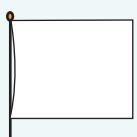
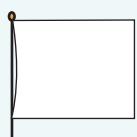
$$4 \times 2 = 8$$

kumbe

$$8 \div 2 = 4$$

Lowu i  
mfungho wa  
ku avanyisa.

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



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

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



Ku na tibuloko tingani eka swilebe leswi swa chokoleti?

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

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



Teacher:
Sign:
Date:

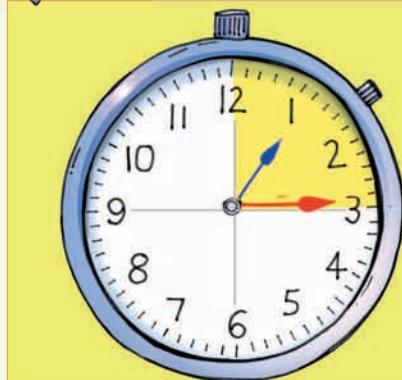
85a



Kotara 3

## Ku hundzile kotara

Bula hi wachi.



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.

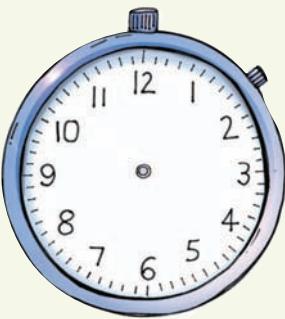
Hi ri i \_\_\_\_\_ ku bile \_\_\_\_\_.

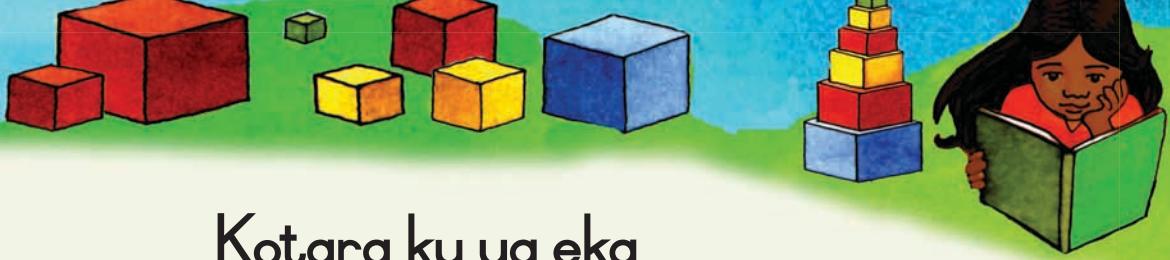


Dirowa rimhondzo ro leha na rimhondzo ro koma.

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 ntłhanu wa timinete.

Hi ri i kotara ya timenete (15 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 \_\_\_\_\_.

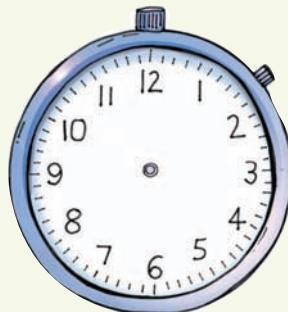


Dirowa rimhondzo ro leha na rimhondzo ro koma.

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	I 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?



Teacher:
Sign:
Date:



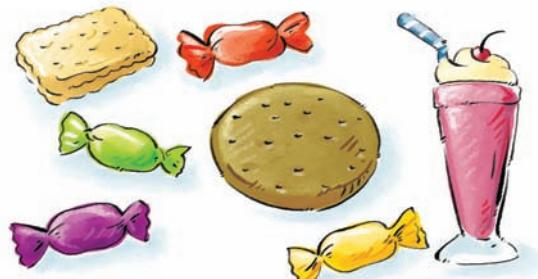
## Mbirihata

Siku:

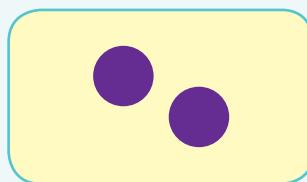
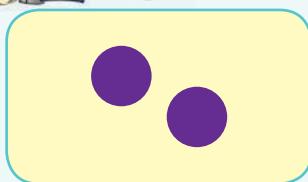
Kotara 3



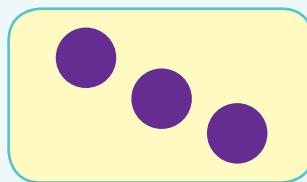
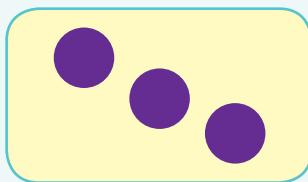
Languta xifaniso xo sungula na xifaniso xa vumbirhi. Ku humelele yini?



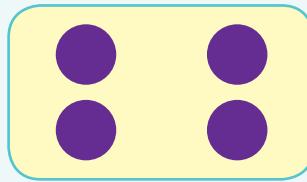
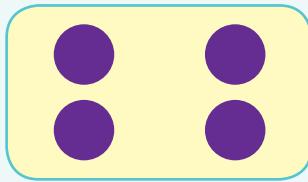
Hlanganisa mathonsi kutani u tsala ntsengo eka man'wana na man'wana.



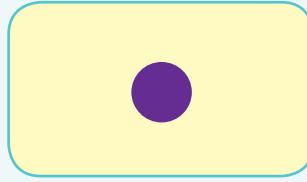
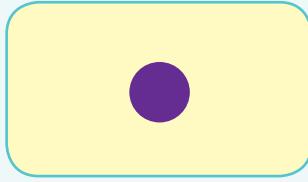
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



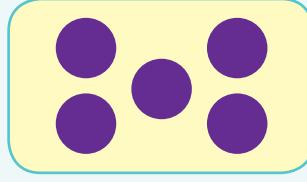
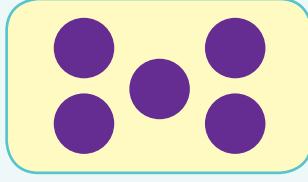
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



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



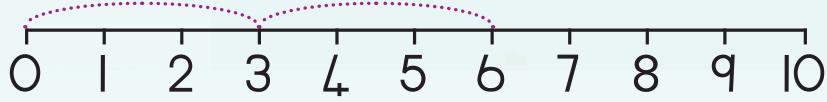
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



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



Tirhisa mindzhati ya mintsengo ku tsala ntsengo.



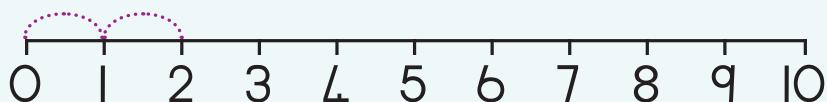
$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$



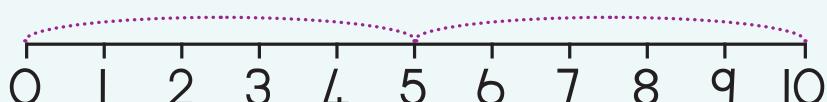
$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$



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



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



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



Vuyelela kambirhi leswi landzelaka:

1 kambirhi

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

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

2 kambirhi

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

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

3 kambirhi

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

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

4 kambirhi

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

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

5 kambirhi

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

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



2 4 6 8 10 12 14



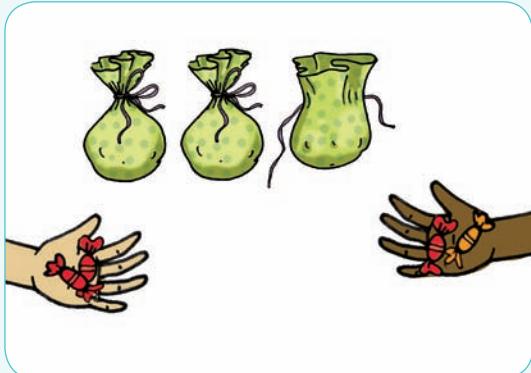
Teacher:  
Sign:  
Date:



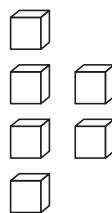
## Ku andzisa kambirhi ni ku hafula

Siku:

Languta swifaniso swimbirhi kutani u endla xitori hi swifaniso leswi.



Hlayela swilo leswi kutani u khalara hafu ya swona.

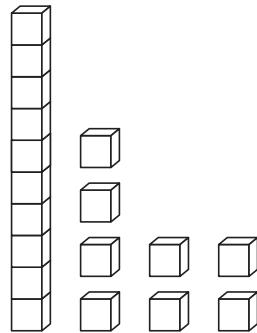


Hlayela

Hafu i

Hlayela

Hafu i



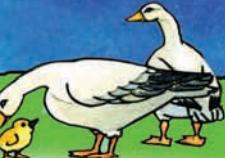
Hetisa leswi landzelaka kutani u dirowa xifaniso.

12 yi andzisiwa  
kambirhi i

 + 


Hetisa.

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

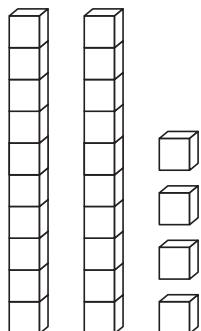


Languta swifaniso swimbirhi kutani u endla xitori.



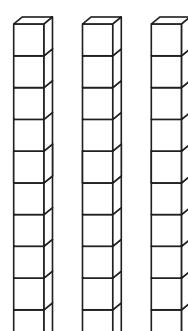
Ku na 10 wa malekere ebegeni.

Hlayela swilo kutani u khalara hafu ya swona.



Hlayela

Hafu i



Hlayela

Hafu i



Hetisa leswi landzelaka kutani u dirowa xifaniso.

16 yi andzisiwa  
kambirhi i

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



Hetisa.

34		

		22

		19

36		

40		





## Ku andzisa kun'wana

Swiharhi hinkwaswo swi na 4 wa milenge.

Swiharhi hinkwaswo swi na 2 wa tindleve.



Mbyana

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

Nhlayo ya timbyana      Milenge ya xiharhi xin'we

Xana i tingani tindleve hinkwato exifanisweni lexi?



Languta xifaniso kutani u hetisa leswi landzelaka:

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

Nhlayo ya timbyana      Matihlo ya xiharhi xin'we

Swiharhi swa nhova

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

Nhlayo ya swiharhi      Milenge ya xiharhi xin'we

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

Nhlayo ya swiharhi      Tindleve ta xiharhi xin'we



Hetisa leswi landzelaka:

4	8	12							
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:

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

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

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

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

$$= 40 + 16$$

$$= 56$$



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

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

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

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

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

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

Vanghana vambirhi va 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.

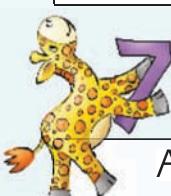
Avela 4 wa vana 22 wa tipenisele hi ku ringana.

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.

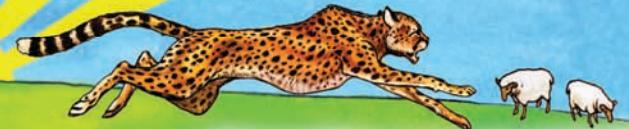
Un'wana na  un'wana u kuma

Ku sala yini?

Un'wana na  un'wana u kuma

Ku sala yini?



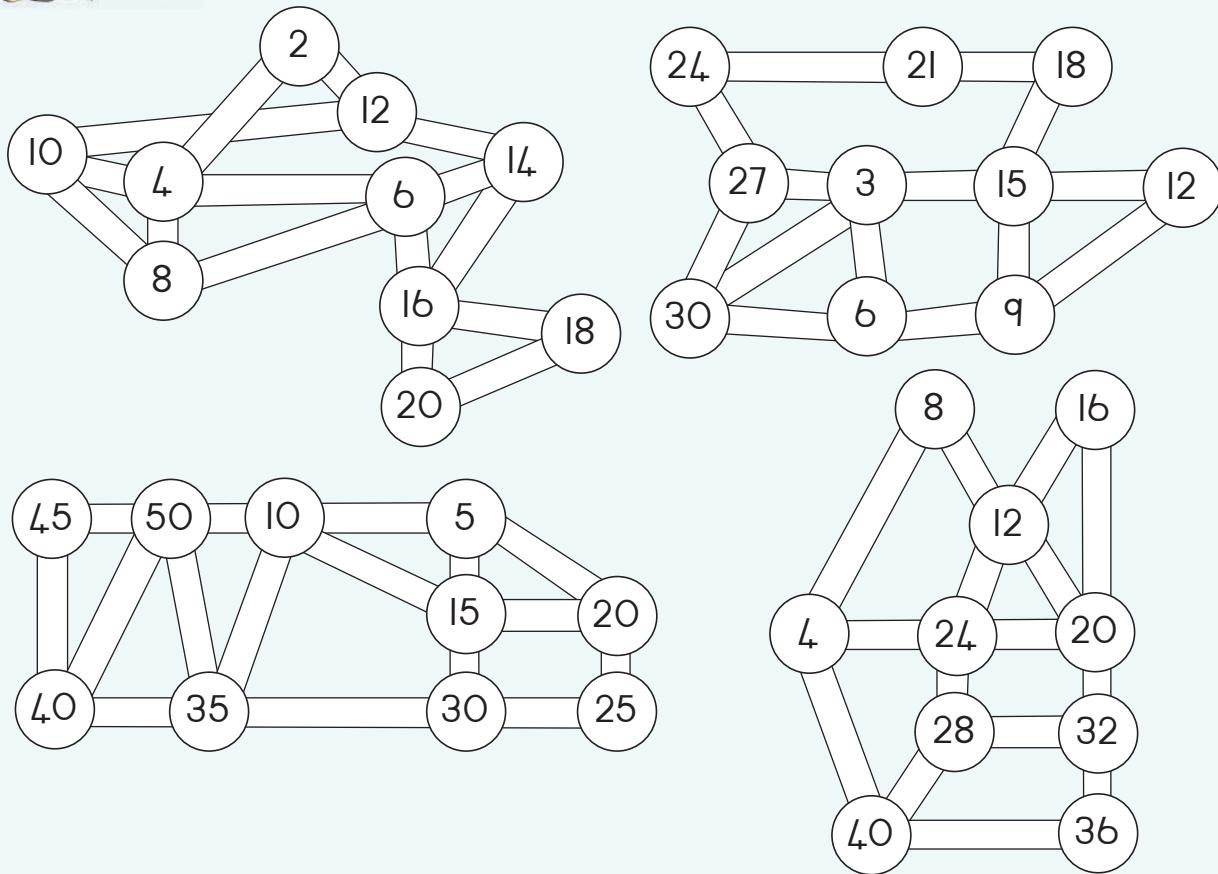


## Tipatironi ta tinomboro

Nomboro leyi landzelaka etlukeni yi ta va yihi?



Boxa patironi. Dirowa patu u sungula hi nomboro leyitsongo.





Dirowa timhondzo etiwachini u tlhela u hetisa tipatironi ta minkarhi.

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



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

qo

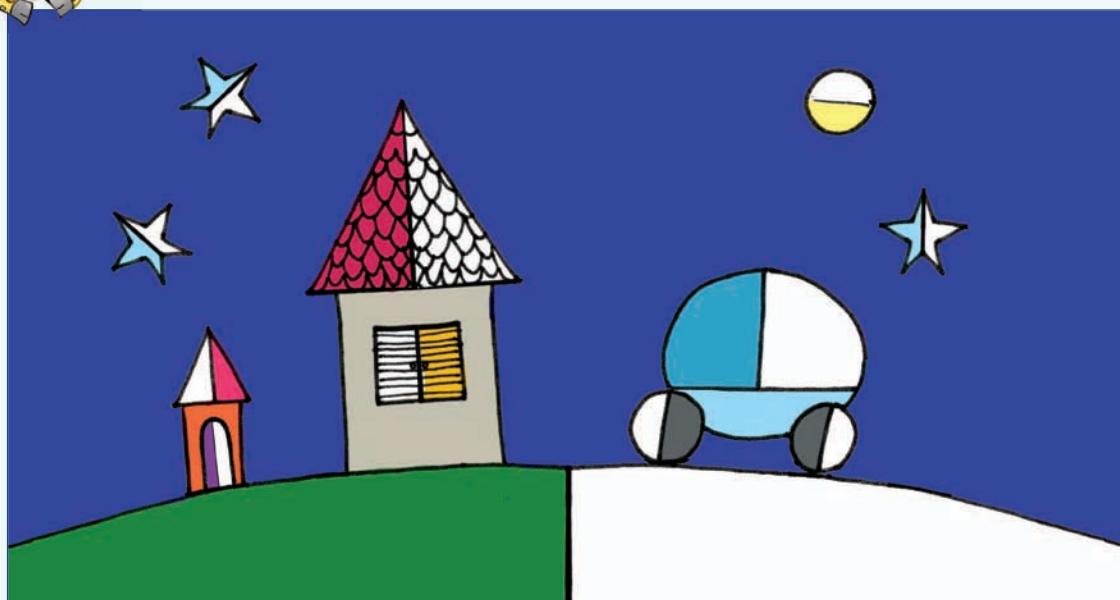


Kotara 3



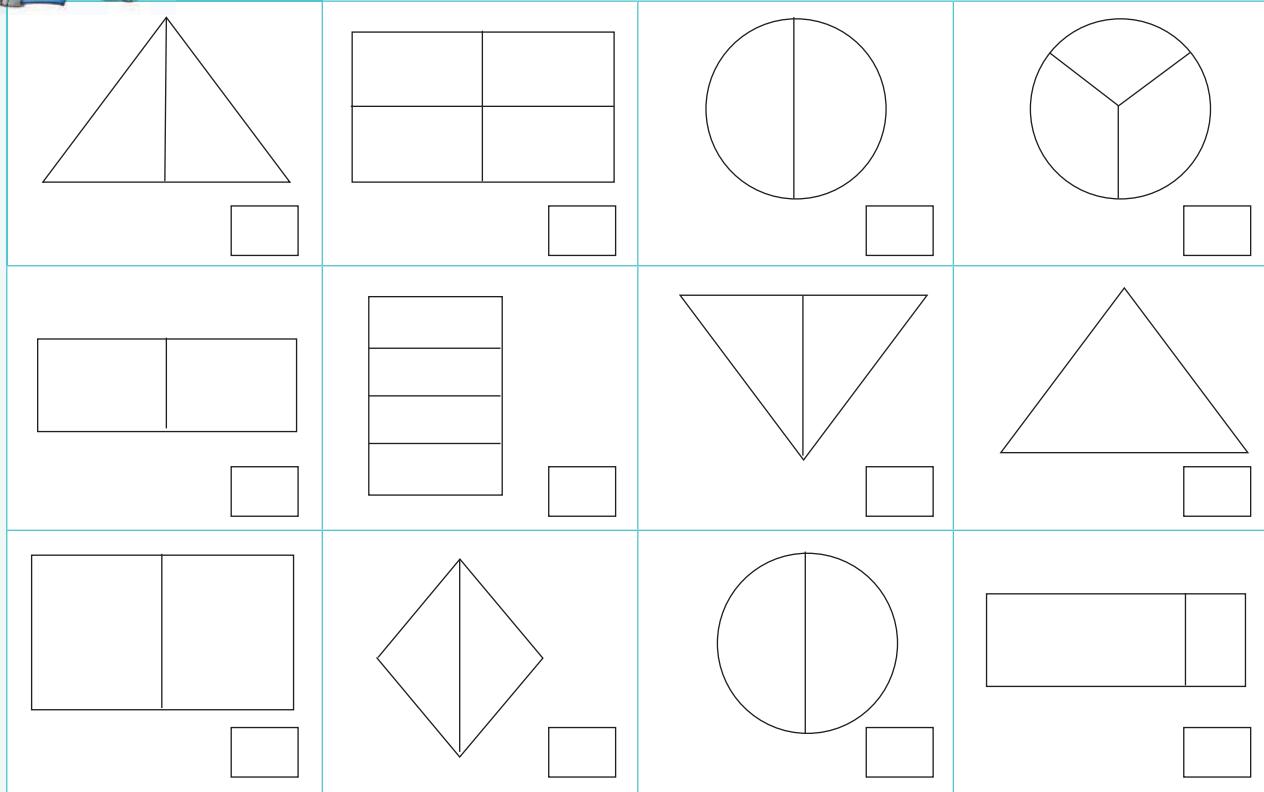
## Swiphemu – tihafu

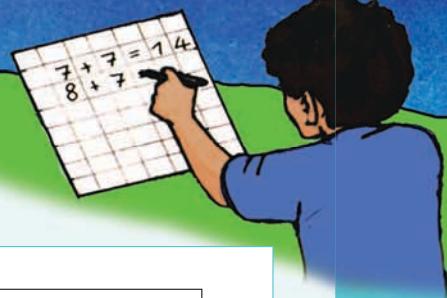
Languta xifaniso. Khalara hafu lejin'wana hi muhlovo lowu fanaka.



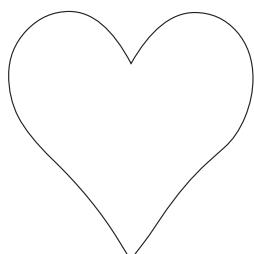
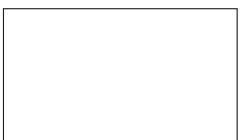
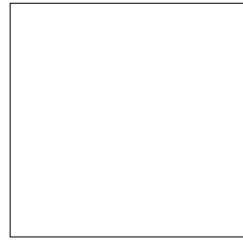
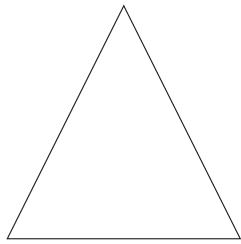
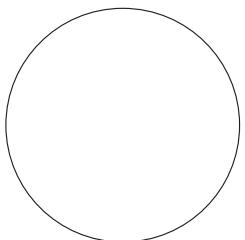
Languta xifaniso. Gwajula swivumbeko leswi kombisaka tihafu.

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

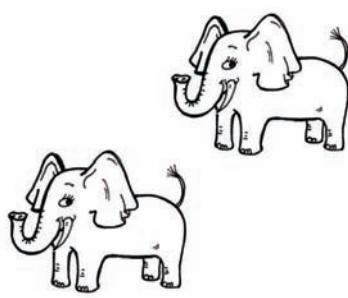
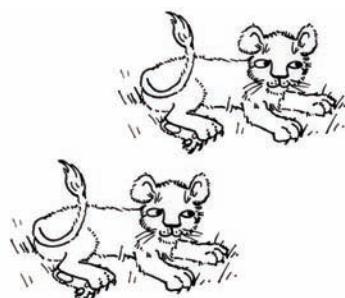
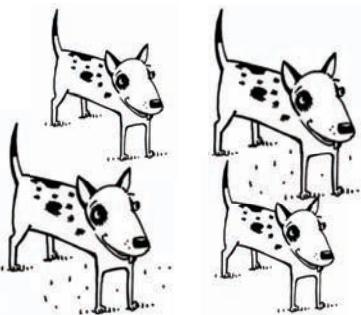
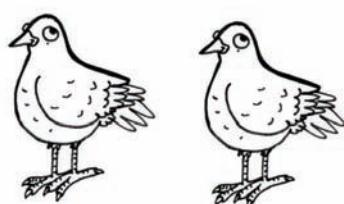
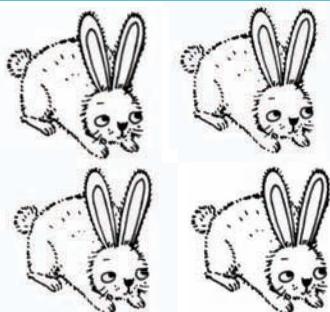
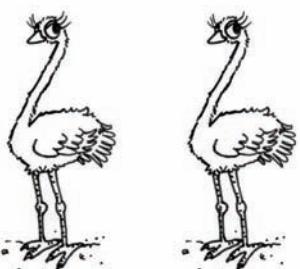




Khalara hafu ya xivumbeko xin'wana na xin'wana.



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



ha fu ha fu ha fu



Teacher:

Sign:

Date:

q



## Swiphemu – tihafu tin'wana

Kotara 3



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

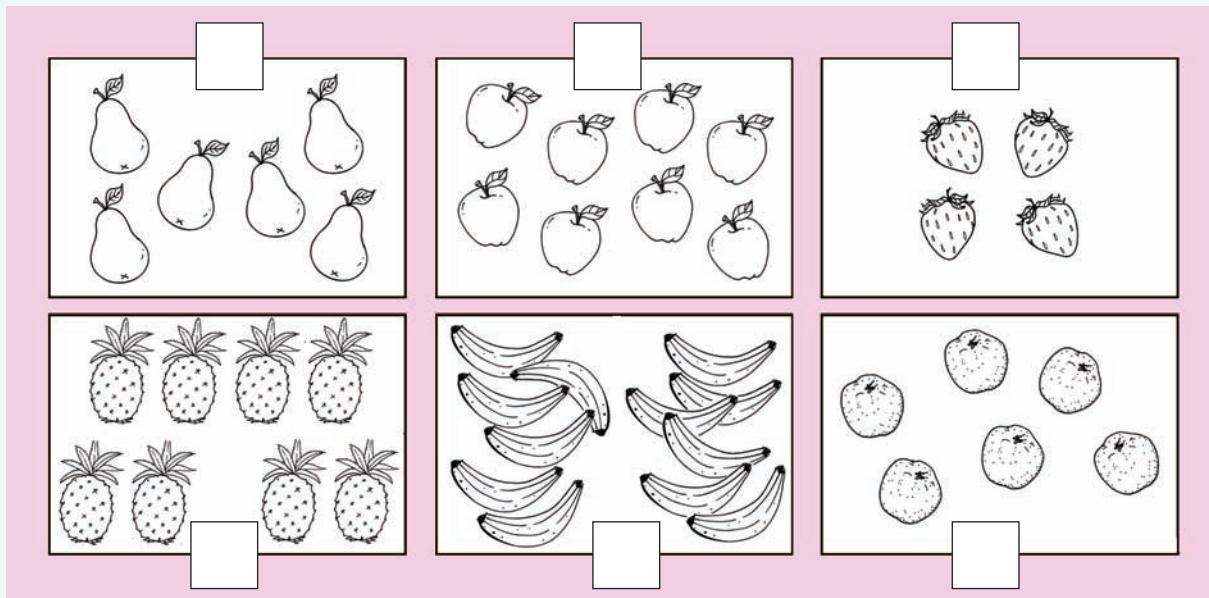


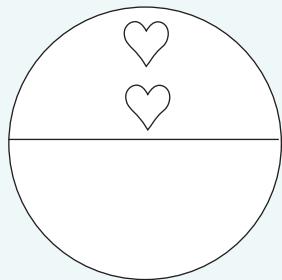
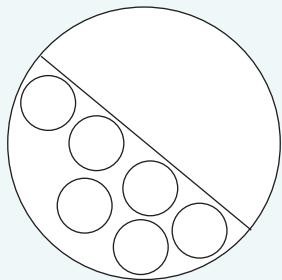
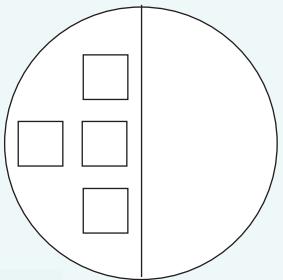
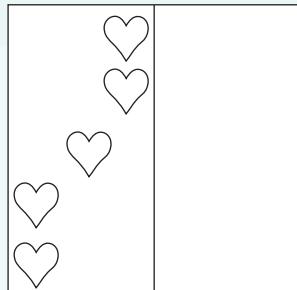
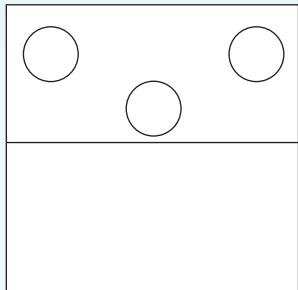
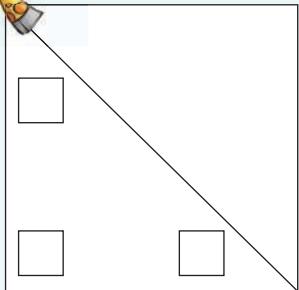
Hafu ya maapula emurhini i  .



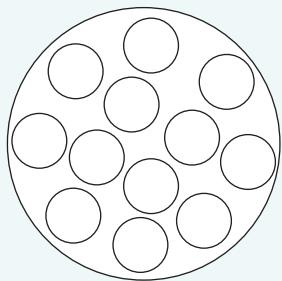
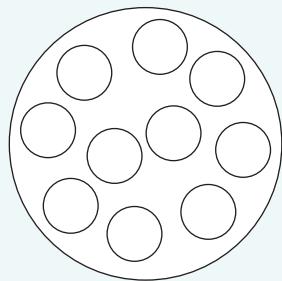
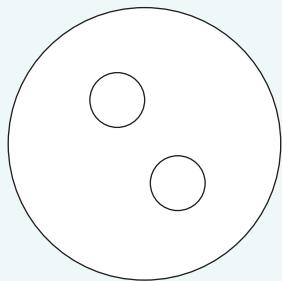
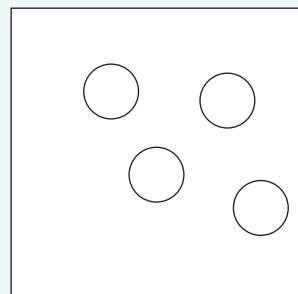
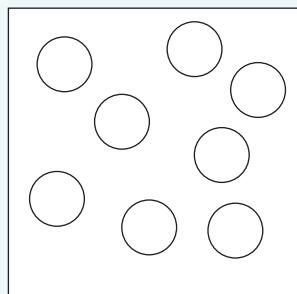
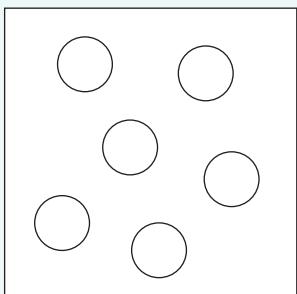
Khalara hafu ya mihandzu eka nt lava wun'wana na wun'wana.

Xana nomboro ya mihandzu eka nt lava wun'wana na wun'wana i yini?





Khalara hafu ya swivumbeko.



hafu hafu hafu



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



## Ndhawu na matlhelo

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?

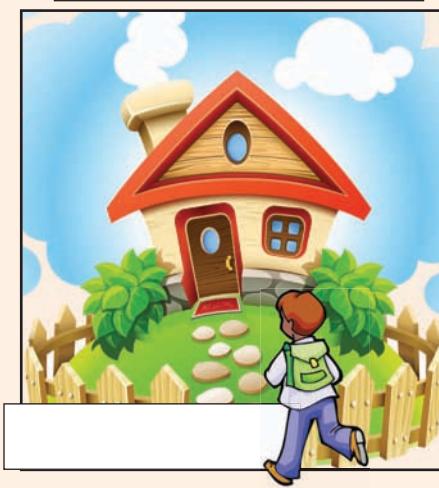


Tsala marito lama eka xifaniso. Xana munhu u vona yini?

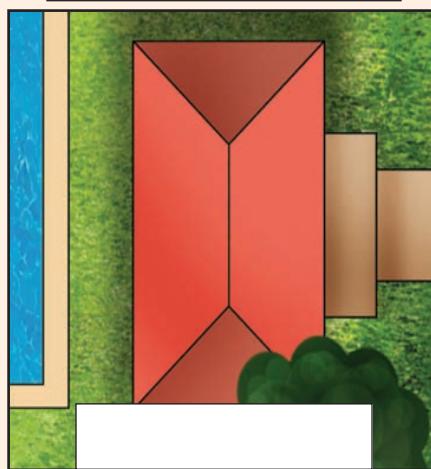
**xiyenge xa le mahlweni**

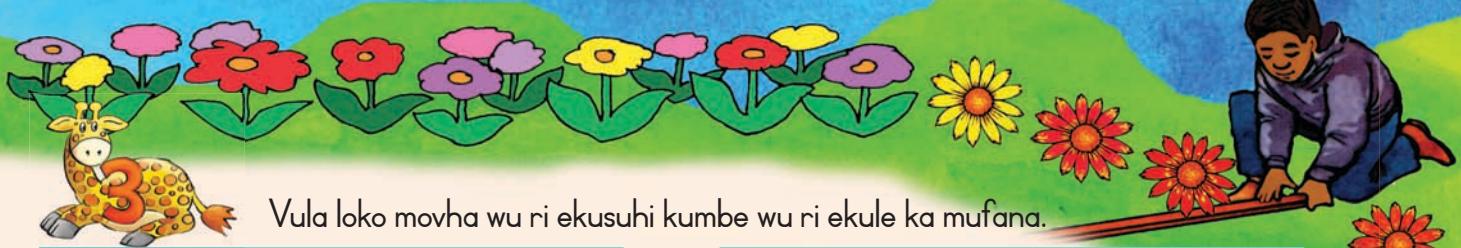


**xiyenge xa le henhla**

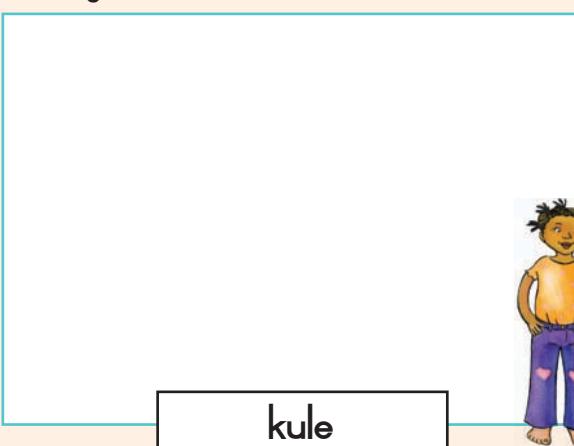
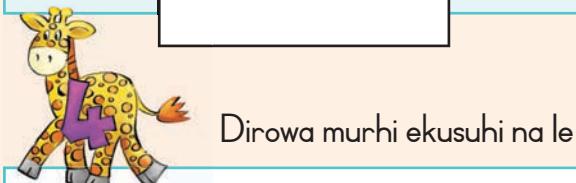
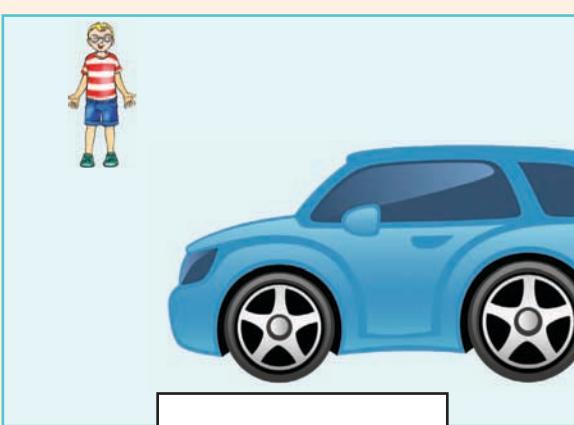
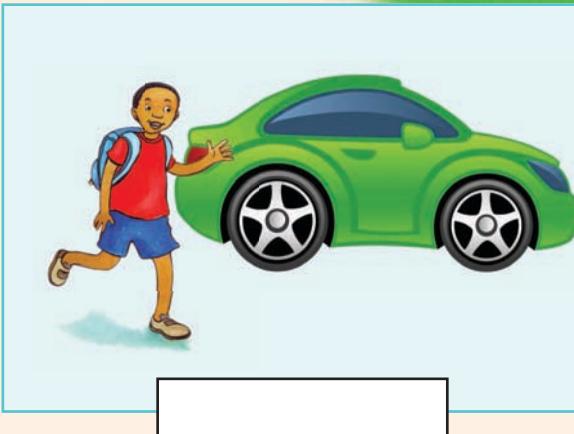
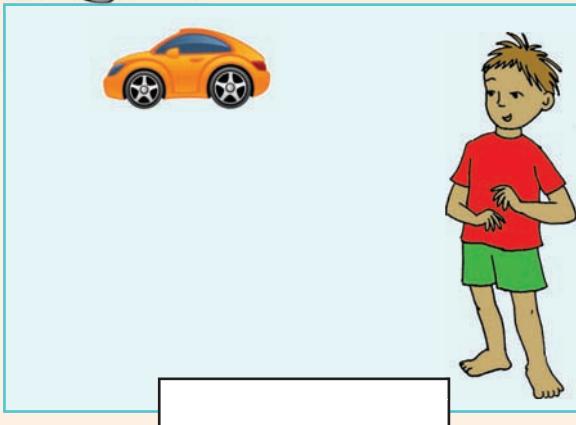


**xiyenge xa le tlhelo**

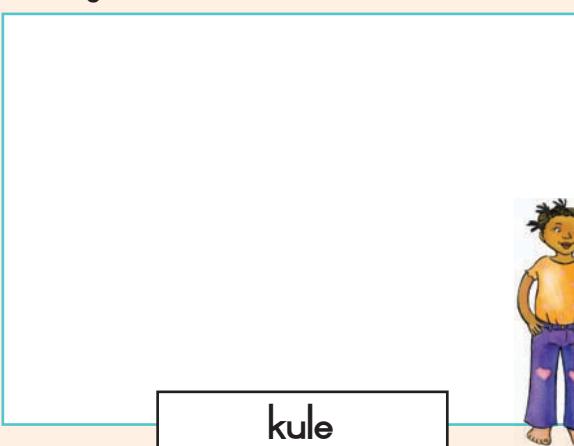
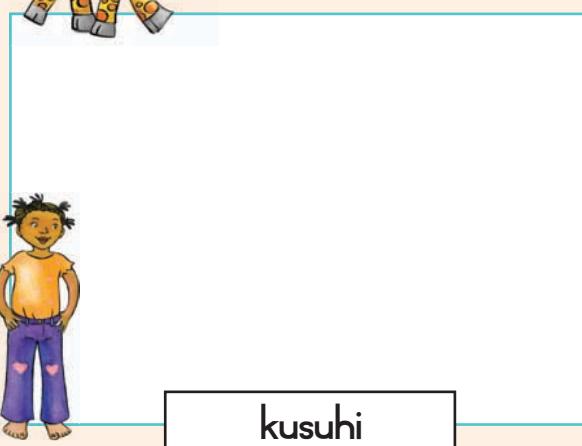




Vula loko movha wu ri ekusuhi kumbe wu ri ekule ka mufana.



Dirowa murhi ekusuhi na le kule na nhwanyana.



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?



Teacher:
Sign:
Date:

93

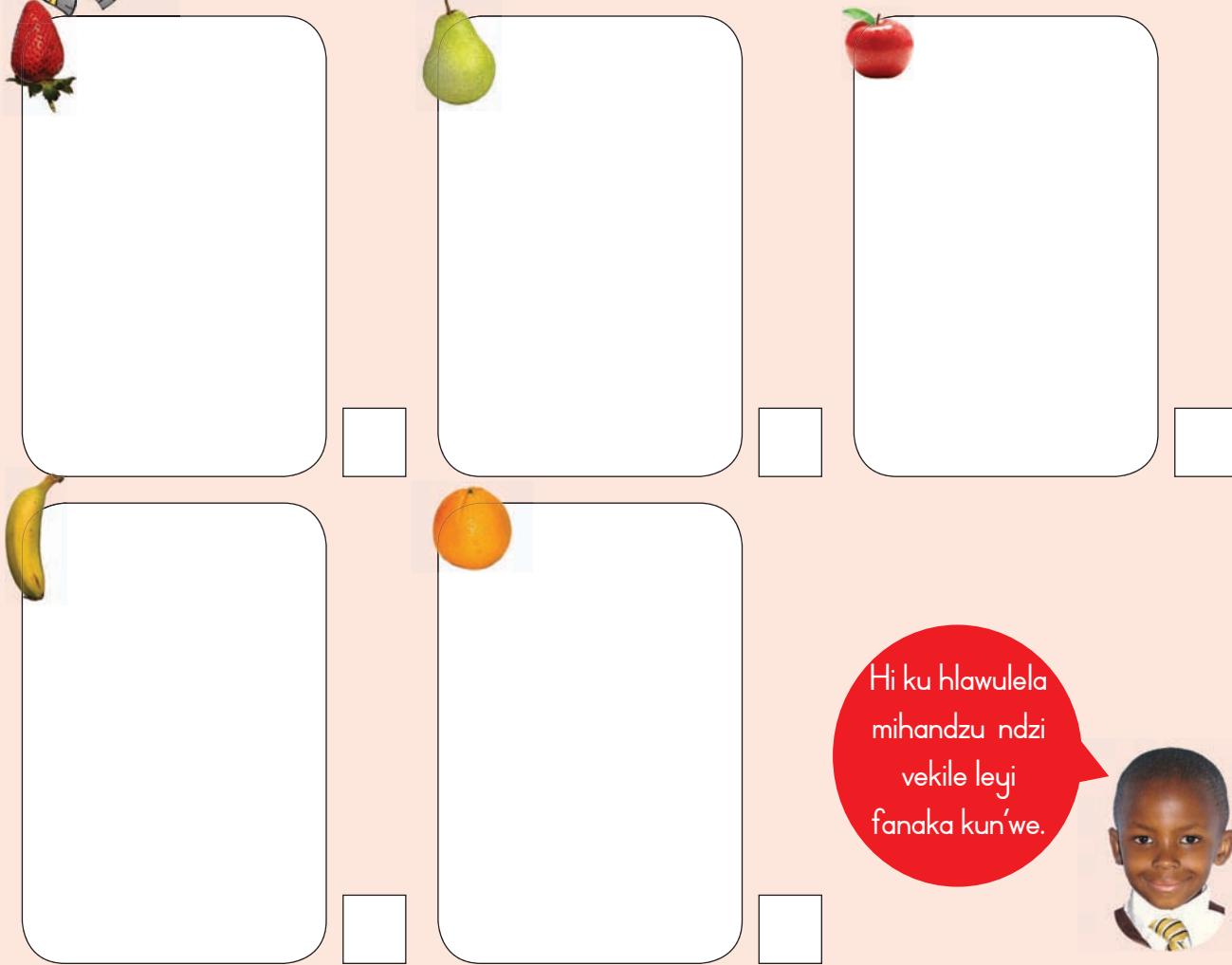


## Switiviwa swin'wana swo tala

Kotara 3

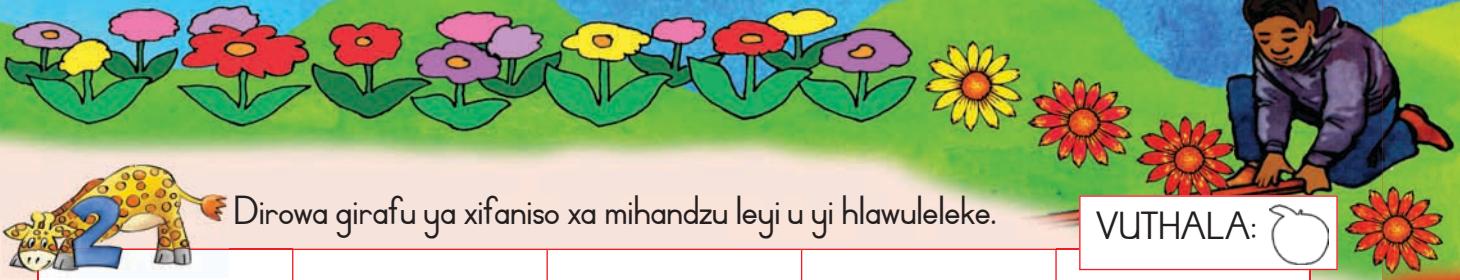


Hlawulela mihandzu. Dirowa swifaniso swa wena ku yi kombisa. Tsala ntsengo ebokisini.



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





Dirowa girafu ya xifaniso xa mihandzu leyi u yi hlawuleleke.

VUTHALA: 



Languta mihandzu kutani u hlamula swivutiso.

Hlamula swiyutiso:

Xana hi wihi muhandzu lowu  
nga tala?

For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at [john.smith@researchinstitute.org](mailto:john.smith@researchinstitute.org).

Xana hi wihi muhandzu lowu  
nga talangiki?

For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at [john.smith@researchinstitute.org](mailto:john.smith@researchinstitute.org).



94a

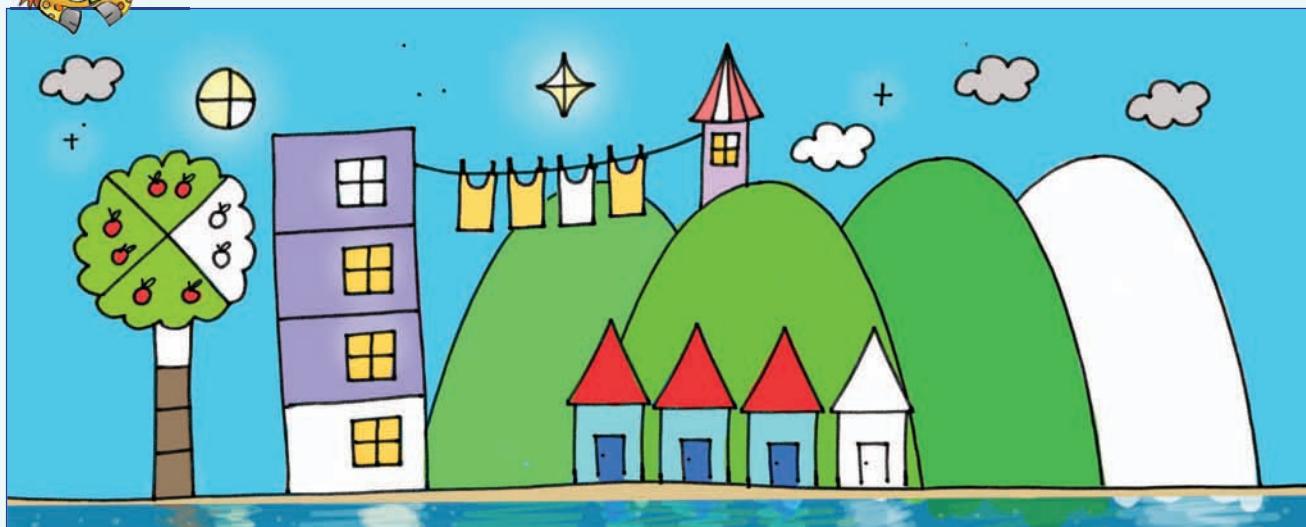


## Swiphemu – tikotara

Kotara 3

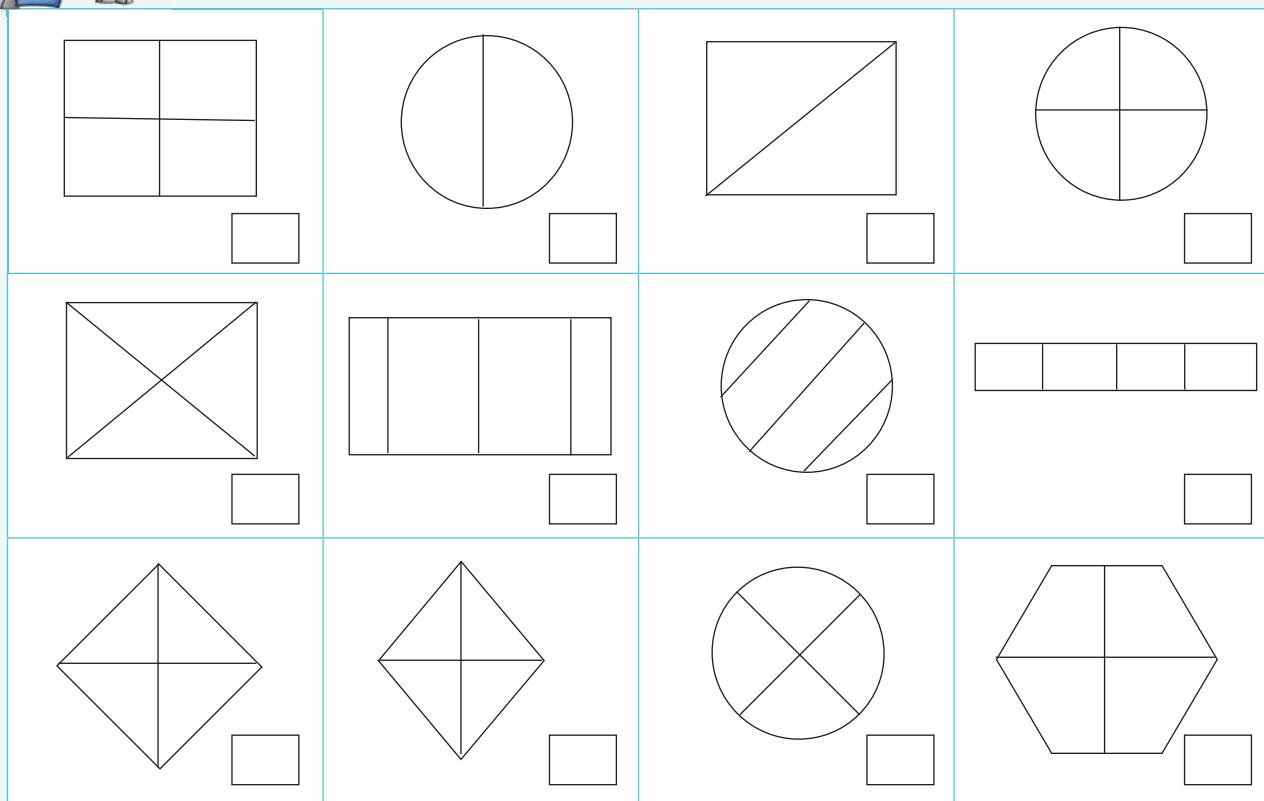


Khalara kotara yo hetelela hi muhlovo lowu fanaka.



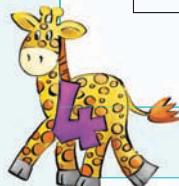
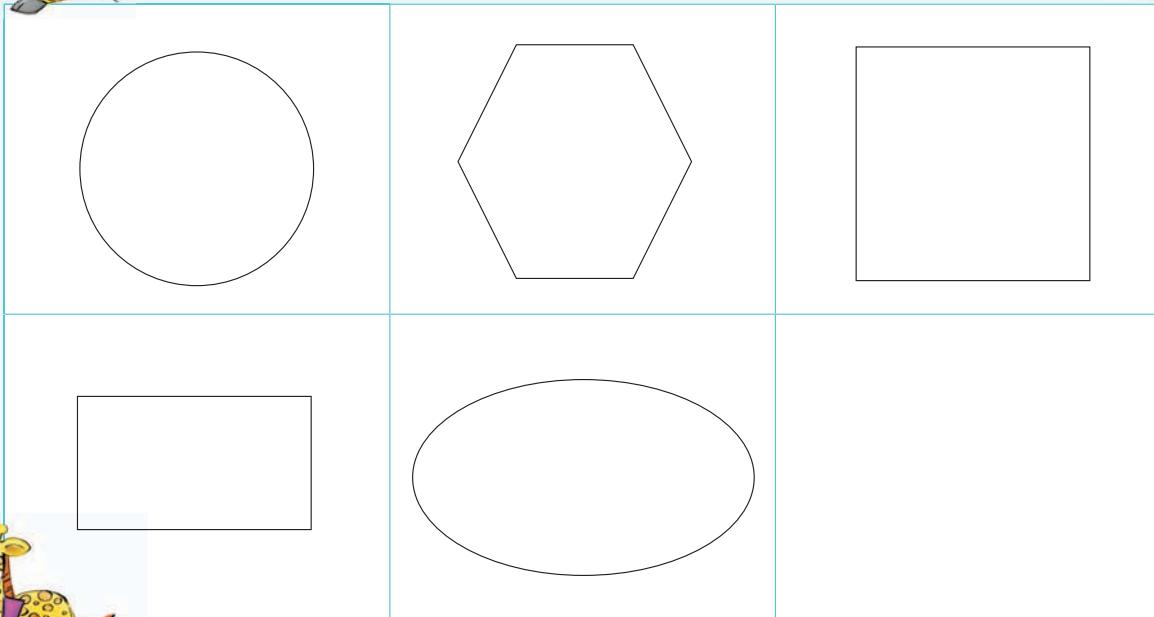
Gwajula swivumbeko leswi kombisaka kotara.

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

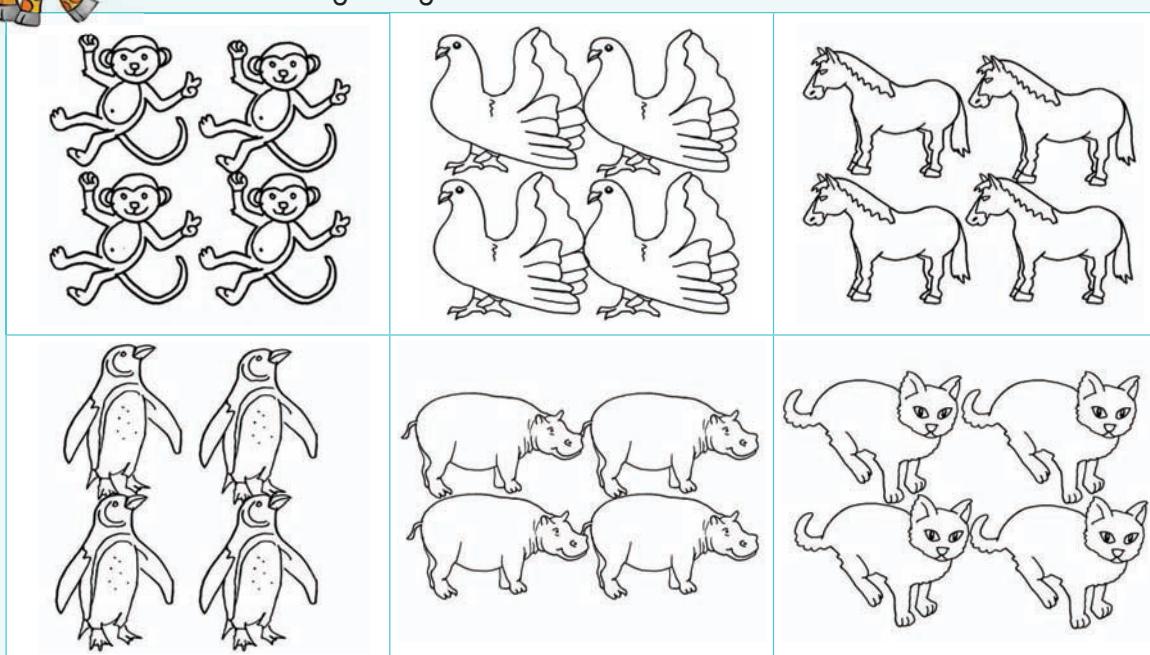


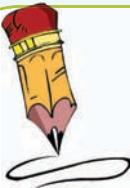


Khalara kotara yin'we ya xivumbeko xin'wana na xin'wana.



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





kotara      kotara

Teacher:

Sign:

Date:



94b



## Swiphemu – tikotara tin'wana

Khalara kotara yo hetelela hi muhlovo lowu fanaka.



Hlamula leswi landzelaka:

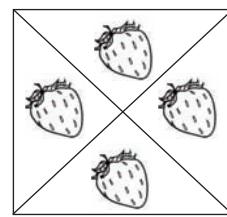
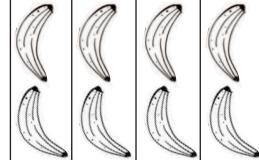
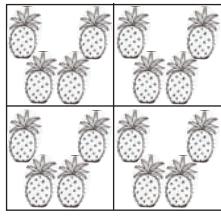
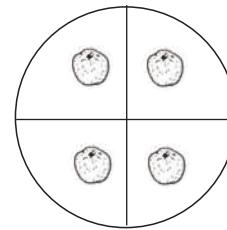
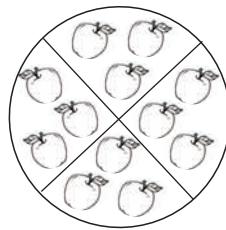
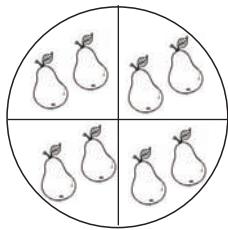
kotara yin'we ya tipyere emurhini i \_\_\_\_\_.

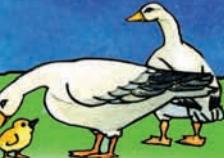
kotara yin'we ya maapula emurhini i \_\_\_\_\_.

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

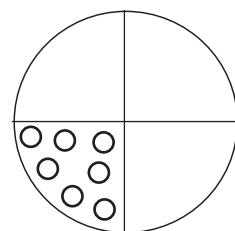
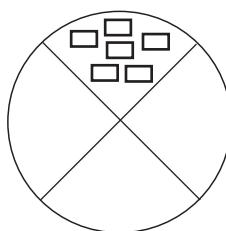
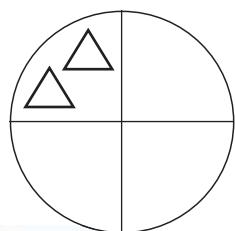
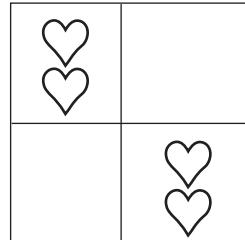
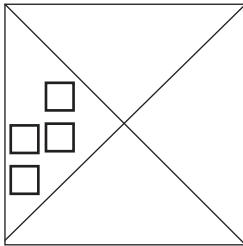
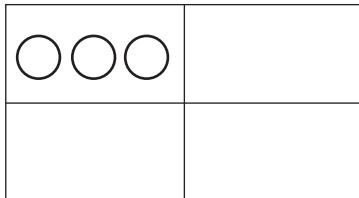


Khalara kotara ya mihandzu eka ntlawa wun'wana na wun'wana. Xana kotara ya nhlayo ya mihandzu eka ntlawa wun'wana na wun'wana i yini.

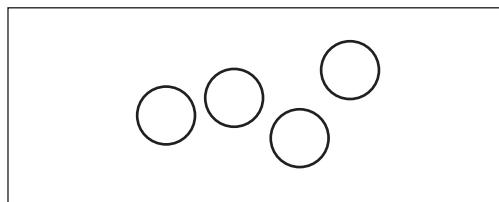
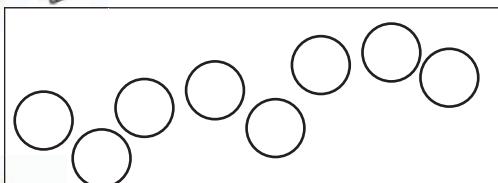




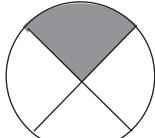
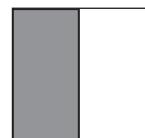
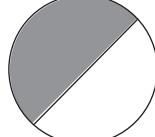
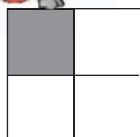
Dirowa swivumbeko swin'wana ku endla leswaku  
tikotara ti ringana.



Kombisa kotara yin'we ya swivumbeko.



Hi xihi lexikulu? Fungha nhlamlulo leyi faneleke.



hafu yin'we

kotara yin'we



kotara tikotara

Teacher:

Sign:

Date:



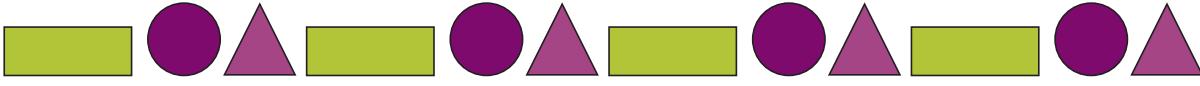
## Yelanisa tipatironi.



Siku

A worksheet featuring four rows of shapes for pattern recognition. The first row has red circles and triangles alternating. The second row has purple squares and small squares. The third row has orange circles, squares, and triangles. The fourth row has green circles and squares.

Kopunula tipatironi leti landzelaka.

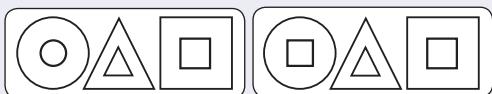




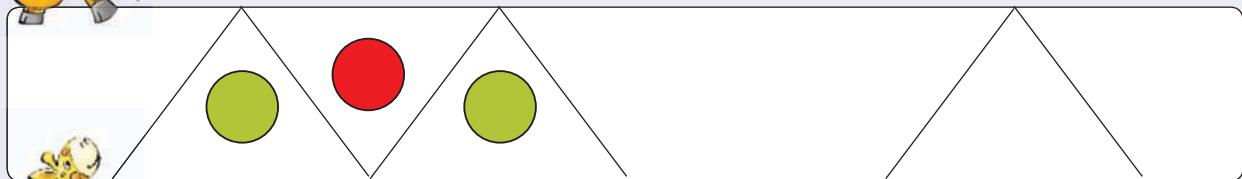
Khalara patironi leyi landzelaka.



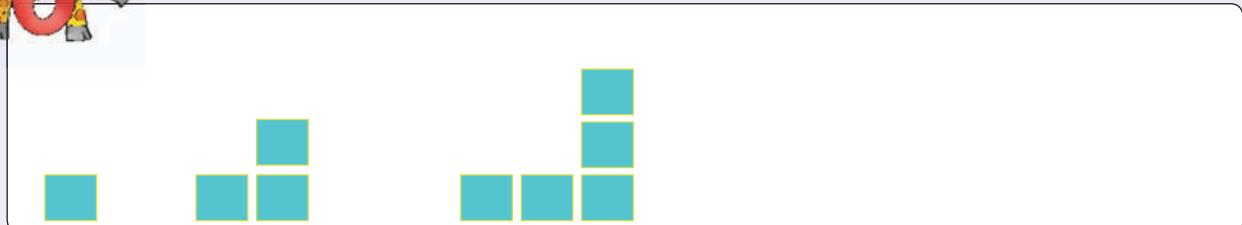
Dirowa patironi leyi landzelaka.



Engetela patironi ya wena.



Dirowa patironi leyi landzelaka.



Dirowa patironi ya wena.



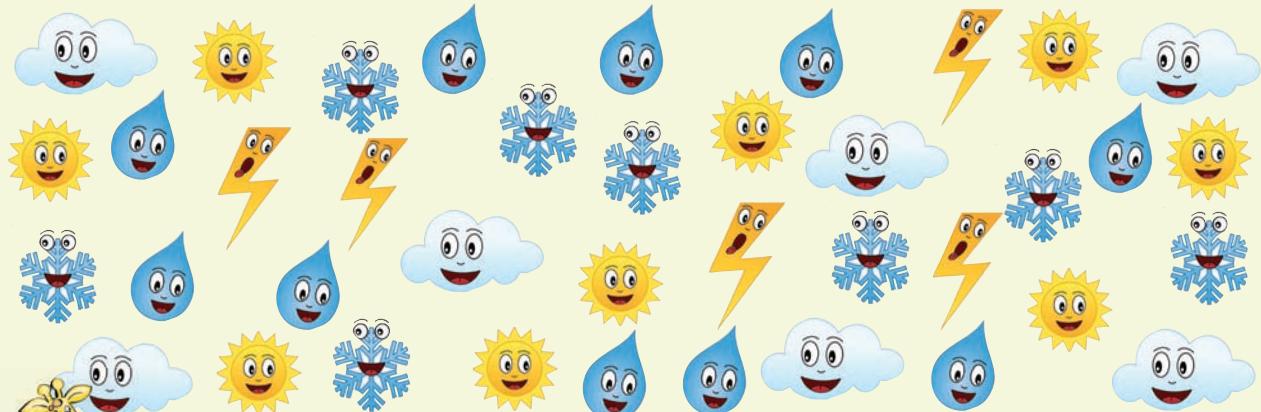
Teacher:
Sign:
Date:

96

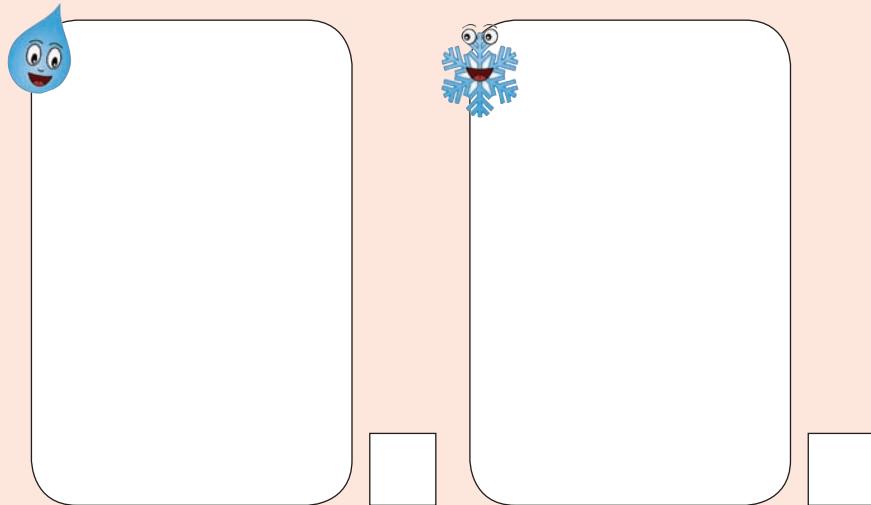
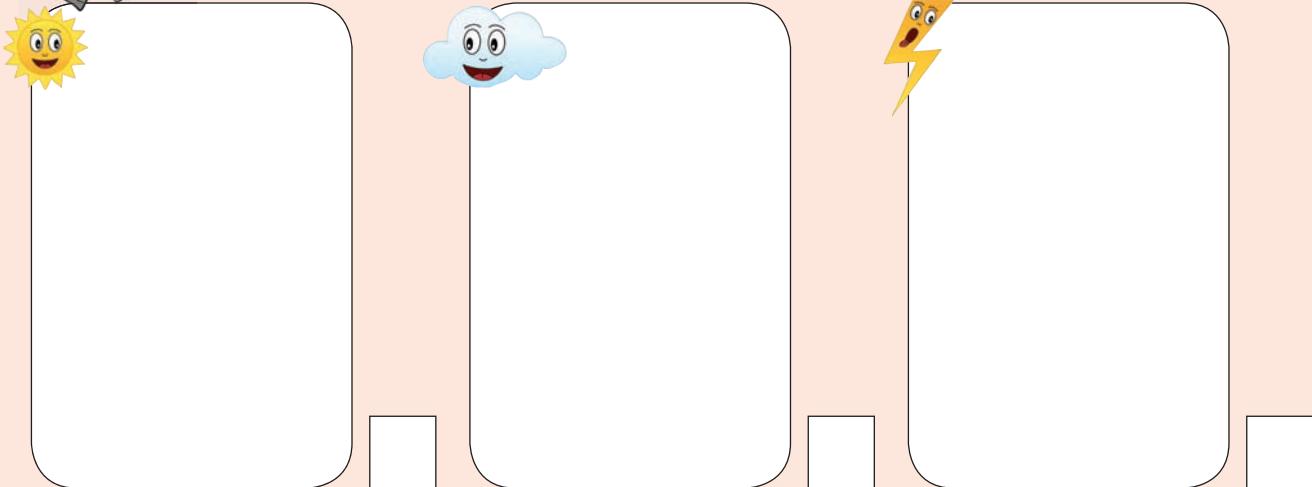


## Ku hlawula switiviwa

Kotara 3



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





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

VUTHALA:



A 5x5 grid of weather-related illustrations. The icons are arranged as follows: Row 1: Sun, Cloud, Lightning Bolt, Water Drop, Snowflake. Row 2: Rain, Wind, Hail, Thunder, Sun. Row 3: Cloud, Rain, Wind, Hail, Thunder. Row 4: Hail, Thunder, Wind, Rain, Sun. Row 5: Sun, Cloud, Lightning Bolt, Water Drop, Snowflake.



Tirhis 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?

ANSWER

Xana u ehleketa leswaku i  
nguva yihu?

ANSWER

## Hikwalaho ka yini?

1. **What is the primary purpose of the study?**

Xana maxelo lawa ya fana  
eswifundzeni hinkwaswo?

ANSWER

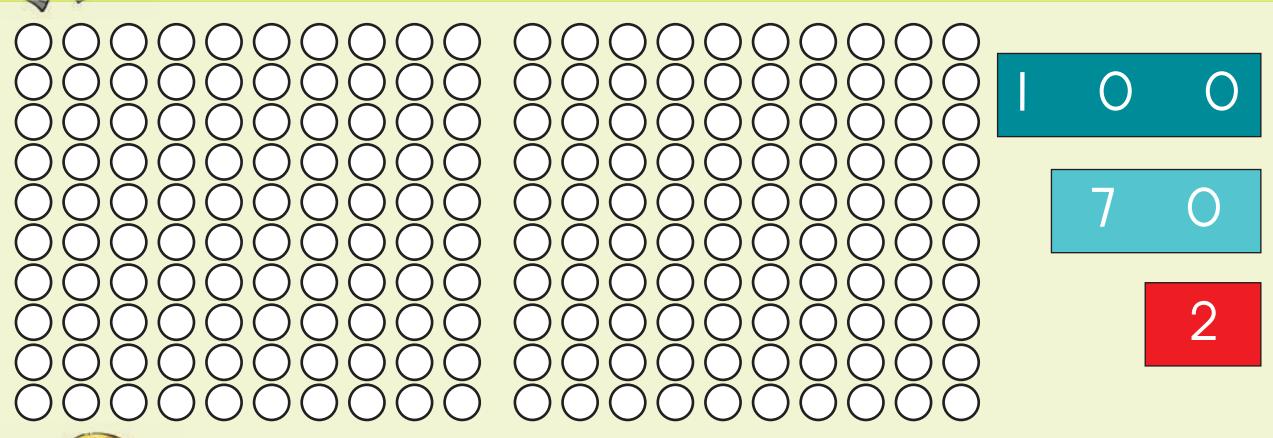


97



## Tinomboro ta 150 – 180

Khalara 172 wa swirhendzevutana.



Tsala xivulwa xa tinomboro xa:

$\begin{array}{r} 100 \\ + 50 \\ \hline 150 \end{array}$ $100 + 50 + 8 = 158$ 	$\begin{array}{r} 100 \\ + 50 \\ \hline 150 \end{array}$ $100 + 50 - 1 = 149$	$\begin{array}{r} 100 \\ + 70 \\ \hline 170 \end{array}$ $100 + 70 - 2 = 168$
$\begin{array}{r} 100 \\ + 50 \\ \hline 150 \end{array}$ $100 + 50 - 0 = 150$	$\begin{array}{r} 100 \\ + 60 \\ \hline 160 \end{array}$ $100 + 60 - 7 = 153$	$\begin{array}{r} 100 \\ + 5 \\ \hline 105 \end{array}$ $100 + 5 - 5 = 100$



Hi tiki tinomboro leti nghenaka exikarhi:

$$150 \text{ na } 158$$

\_\_\_\_\_

$$172 \text{ na } 177$$

\_\_\_\_\_

$$180 \text{ na } 175$$

\_\_\_\_\_

$$160 \text{ na } 155$$

\_\_\_\_\_

$$165 \text{ na } 160$$

\_\_\_\_\_



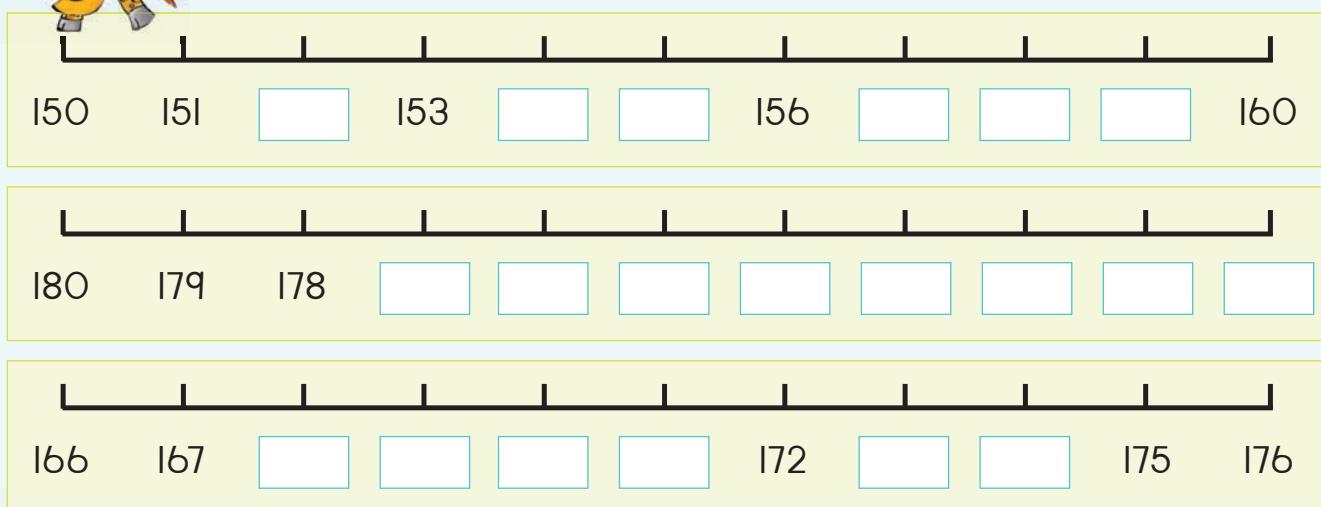
Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.



Letitsongo	Nomboro	Letikulu
	157	
	165	
	178	
	161	
	174	



Hetisa mindzhati ya mintsengo.



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



Teacher:  
Sign:

Date:

98

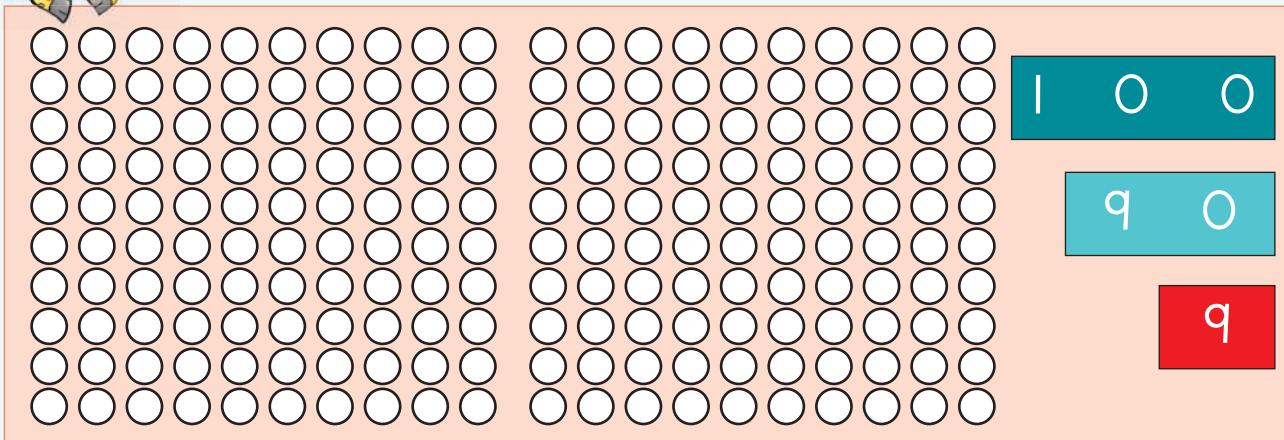


## Tinomboro ta 170 – 200

Kotara 4



Khalara 199 wa swihendzevutana.



Tsala nomboro ya:

$1 \ 0 \ 0$ $7 \ 0$ $=$ $100 + 70 + 7 = 177$	$1 \ 0 \ 0$ $q \ 0$ $=$	$1 \ 0 \ 0$ $8 \ 0$ $=$
$1 \ 0 \ 0$ $q \ 0$ $=$	$1 \ 0 \ 0$ $q \ 0$ $=$	$1 \ 0 \ 0$ $7 \ 0$ $=$



Hi tiki tinomboro leti nghenaka exikarhi ka:

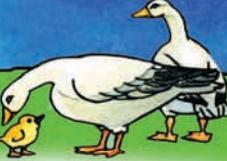
170 na 175 \_\_\_\_\_

198 na 195 \_\_\_\_\_

180 na 175 \_\_\_\_\_

168 na 173 \_\_\_\_\_

200 na 196 \_\_\_\_\_

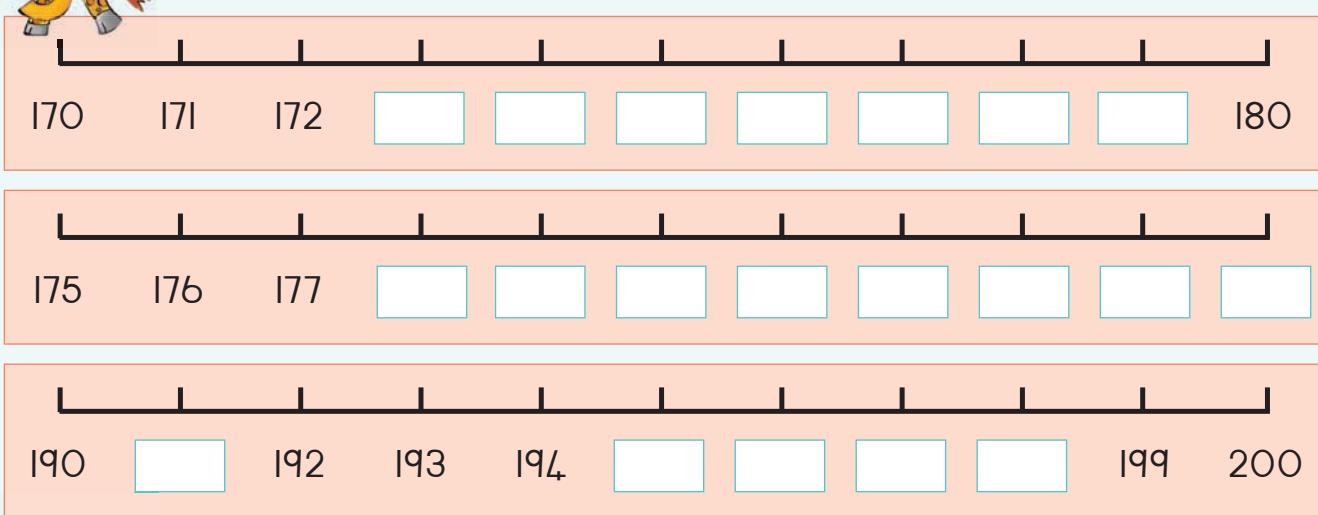


Nyika tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi.

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.



Teacher:
Sign:
Date:

**qq**

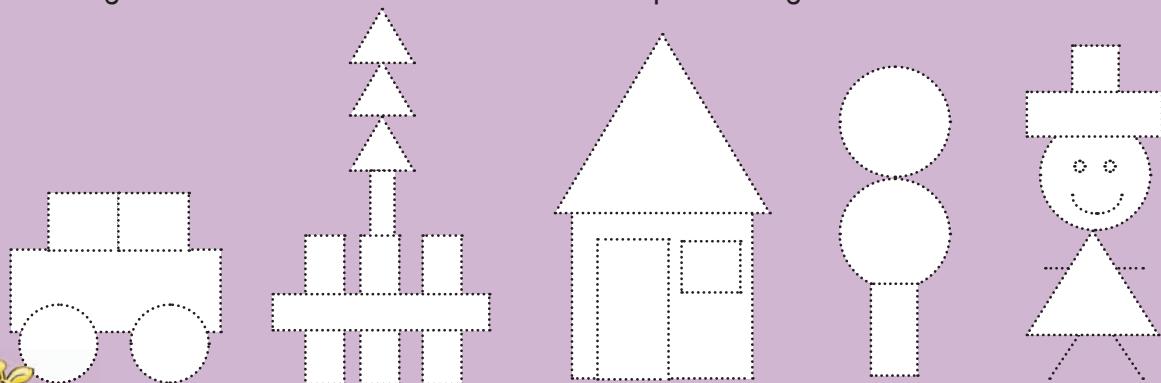


## Swivumbeko swa 2 wa matlhelo

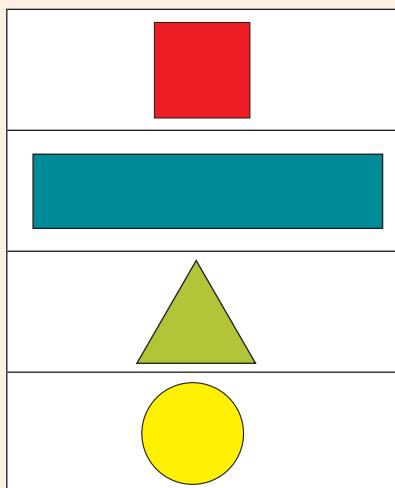
Siku:

Kotara 4

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

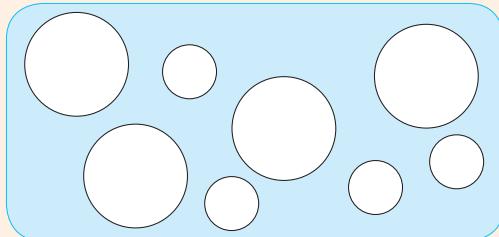


Yelanisa rito na xivumbeko.



Khalara:

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



yinhlanhahru

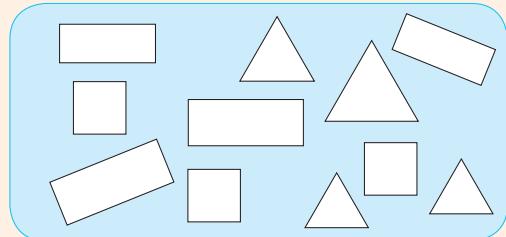
xirhendzevutana

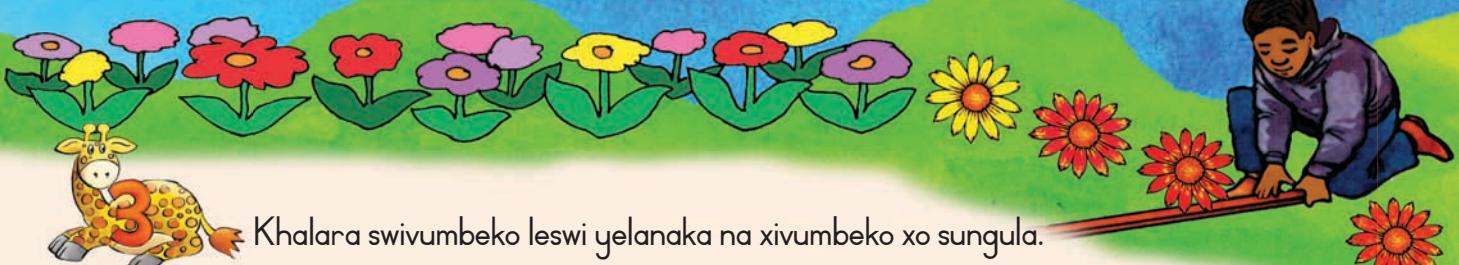
xikwere

yinhlamune

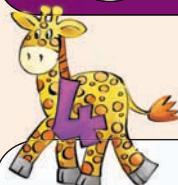
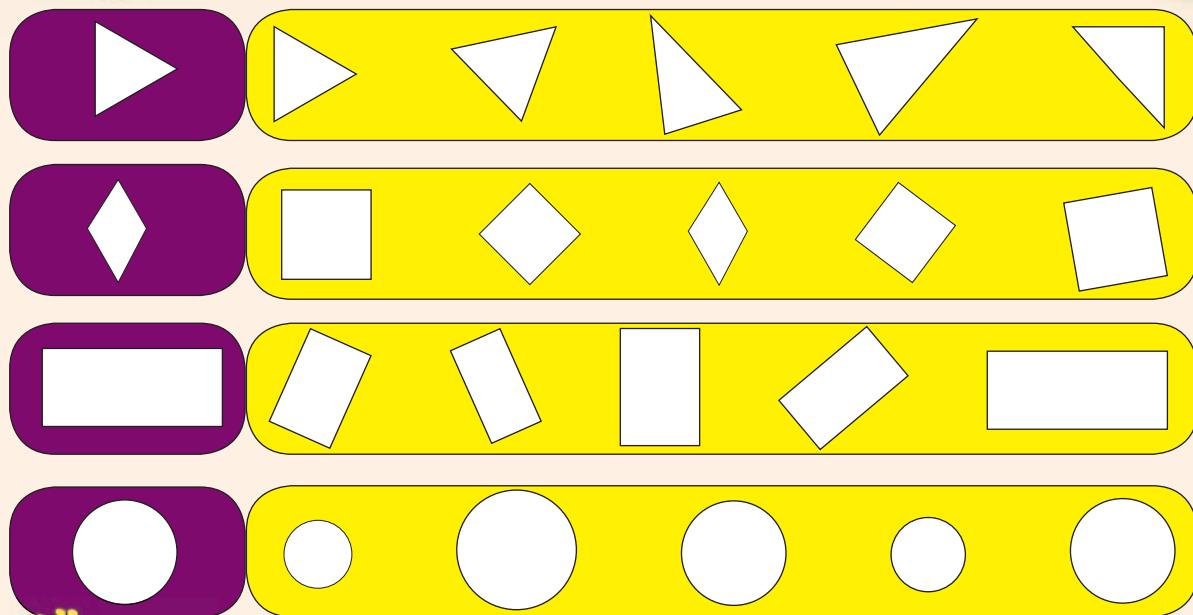
Khalara:

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

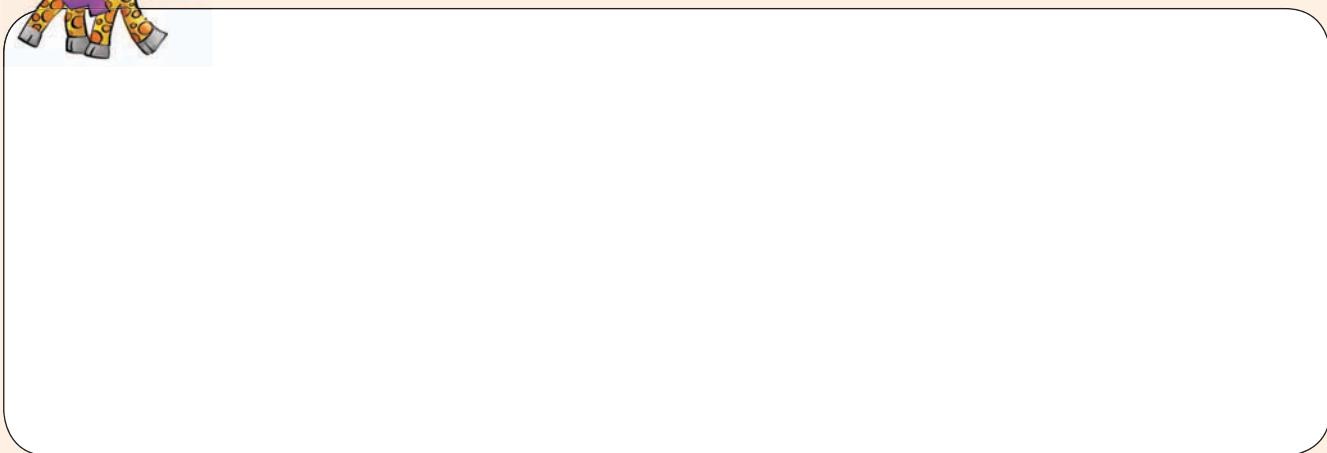




Khalara swivumbeko leswi yelanaka na xivumbeko xo sungula.



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



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



Teacher:
Sign:
Date:

# 100



Siku:

Kotara 4



## Tinomboro ta 0 – 200

Xana u nga endla tinomboro to hambana tingani?

1 0 0

4 0

2

q

5 0

1 0 0

1 0 0

2 0

1

7 0

8



Hetisa leswi landzelaka:

1 0 0      4 0      q

$$100 + 40 + q = \boxed{\phantom{000}}$$

1 0 0      7 0      3

$$100 + 70 + 3 = \boxed{\phantom{000}}$$

1 0 0      2 0      8

$$100 + 20 + 8 = \boxed{\phantom{000}}$$

1 0 0      1 0      7

$$100 + 10 + 7 = \boxed{\phantom{000}}$$

1 0 0      9 0      2

$$100 + 90 + 2 = \boxed{\phantom{000}}$$



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

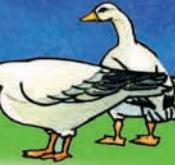
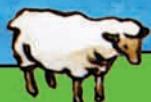
$$181 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$

$$144 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$

$$135 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$

$$156 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$

$$169 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$$



Hlanganisa leswi landzelaka:

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

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

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

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

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

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

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

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

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

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

Tatisa nomboro leyi siyiweke:

$70 + \boxed{\phantom{0}} = 71$

$100 + \boxed{\phantom{0}} + 3 = 153$

$30 + \boxed{\phantom{0}} = 38$

$100 + \boxed{\phantom{0}} + 9 = 169$

$60 + \boxed{\phantom{0}} = 69$

$\boxed{\phantom{0}} + 70 + 8 = 178$

$20 + \boxed{\phantom{0}} = 24$

$100 + \boxed{\phantom{0}} + 1 = 191$

$80 + \boxed{\phantom{0}} = 85$

$100 + 50 + \boxed{\phantom{0}} = 157$



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

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

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



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

5	0	9
1	0	0

1	0	0
9	4	0

4	1	0	0
5	0		



Teacher:  
Sign:  
Date:

101



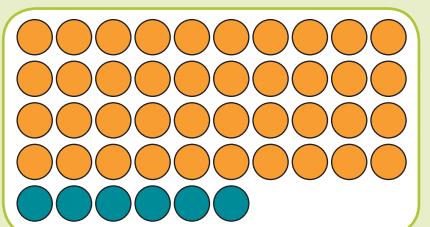
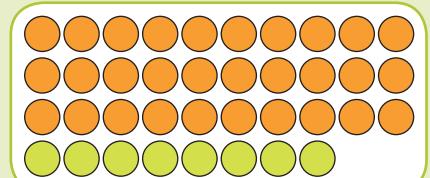
## Ku hlanganisa na ku susa

Siku:

Languta bodo ya tinomboro na vuhlalu. Bula hi swona.

Kotara 4

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

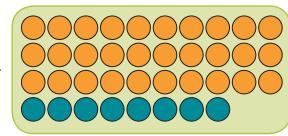
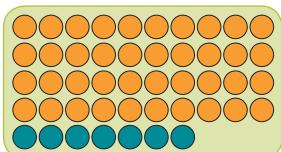


Hlanganisa kumbe u susa vuhlalu.

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

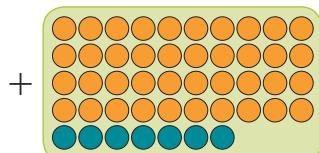
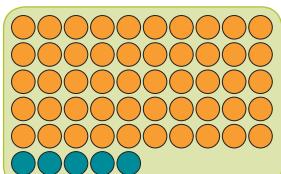


Pimanyeta kutani u khakhuleta.



Pimanyeta

Khakhuleta



Pimanyeta

Khakhuleta



Khakhuleta hi ku tirhisa maendlelo ya wena.

$53 + 39$

$92 - 48$

Hlanganisa 39 na 29.

Xana hi kuma yini loko hi susa 19 eka 43?

Susa 45 eka 74.

Loko u susa 69 eka 82 u kuma yihi?



Teacher:

Sign:

Date:



## Ku hlanganisa na ku susa nakambe



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

2 0

8

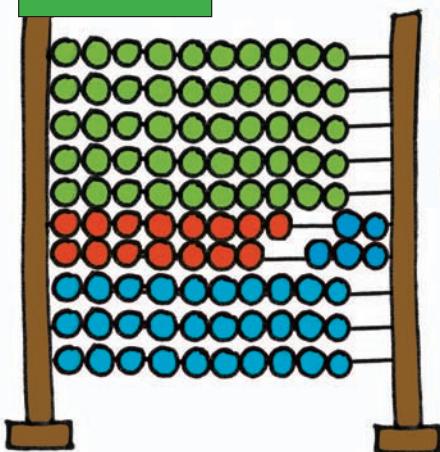
3 0

7

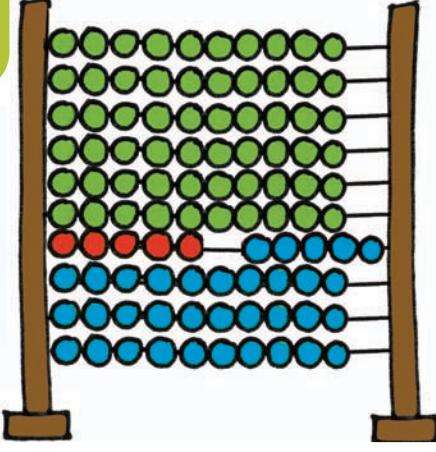
Hlanganisa  
tinomboro timbirhi.

6 0

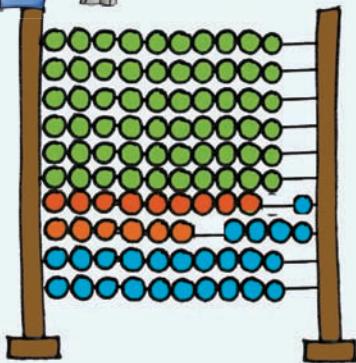
5



Ti  
ringana na?

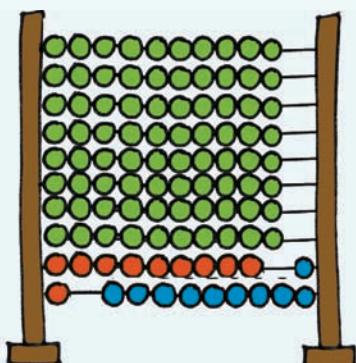


Tsala nhlayo yo hlanganisa na yo susa. Yi khakhulete.



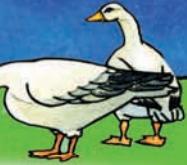
Nhlayo yo hlanganisa

Nhlayo yo susa

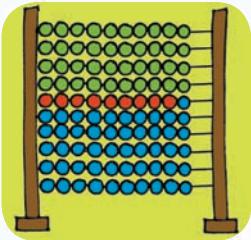


Nhlayo yo hlanganisa

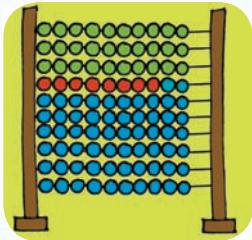
Nhlayo yo susa



Pimanyeta kutani u khakhuleta.



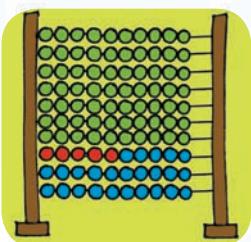
+



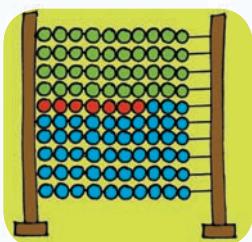
Pimanyeta


Khakhuleta



-



Pimanyeta


Khakhuleta



Khakhuleta hi ku tirhisa maendlelo ya wena.

$58 + 35$

$34 - 26$



Loko u hlanganisa 72 na 19 u kuma yini?

Ntsengo wa 46 na 27.

Susa 34 eka 72.

Ku hambana exikarhi ka 81 na 36.

Teacher:  
Sign:

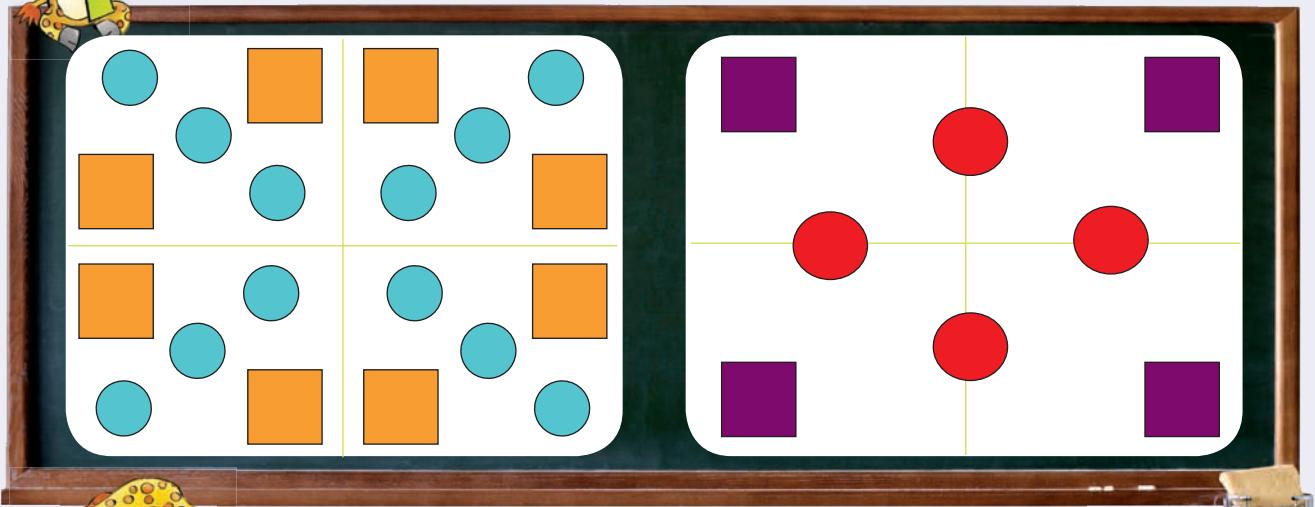
Date:

103

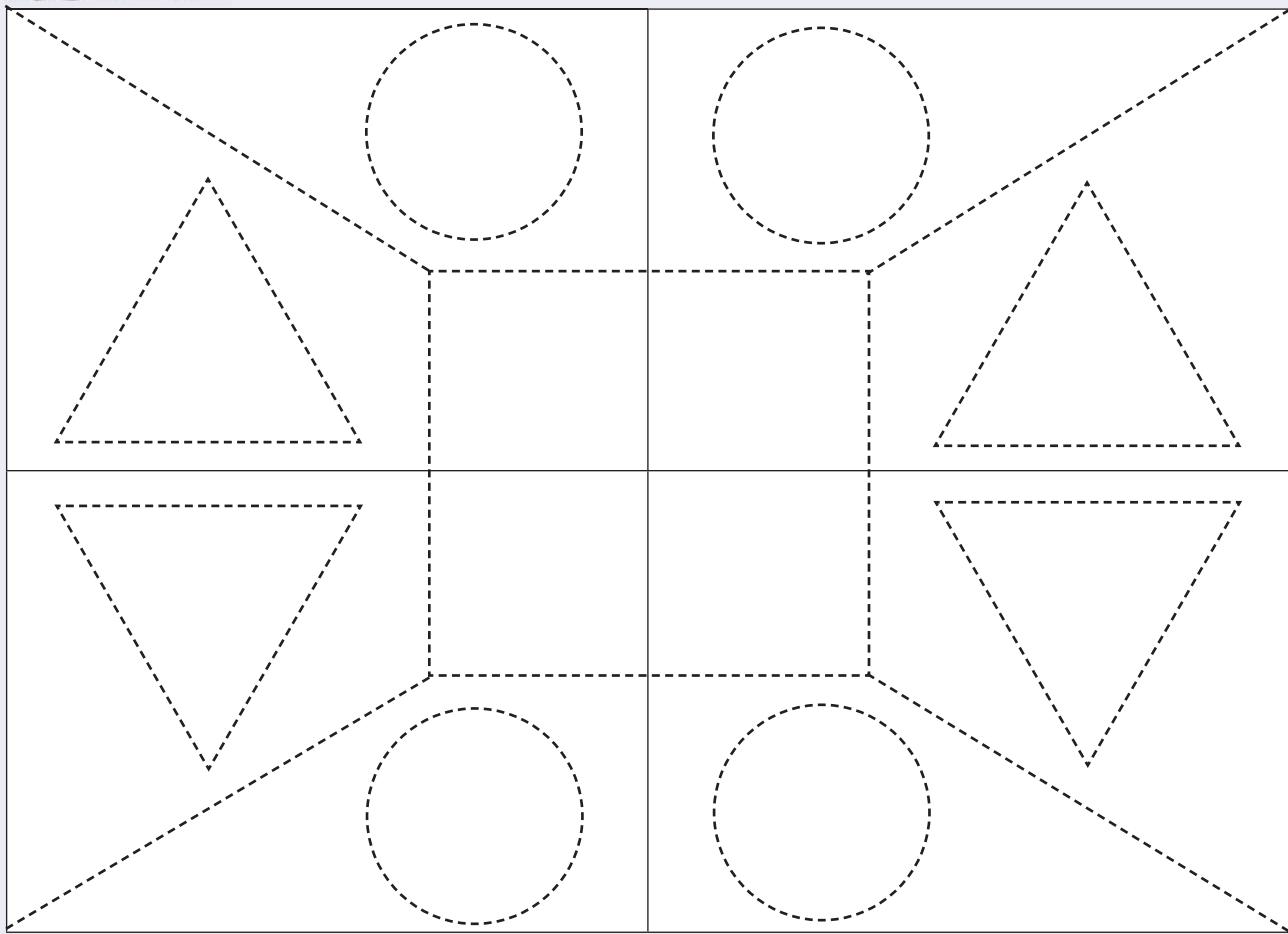
## Tipatironi ta swivumbeko

Kotara 4

Hlamusela patironi.

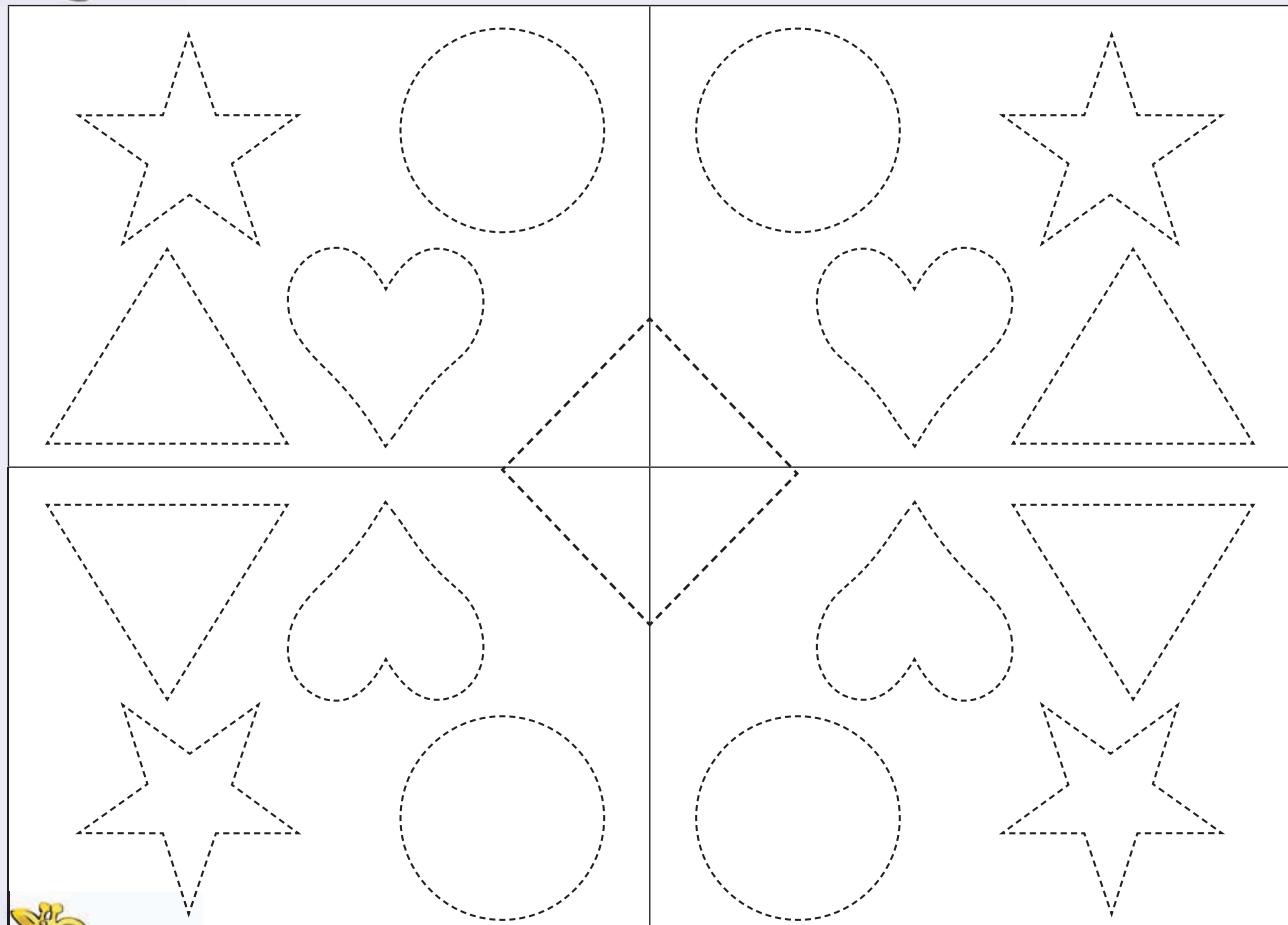


Landzelerisa patironi kutani u yi khalara.





Landzelerisa patironi kutani u yi khalara.



Endla patironi ya wena u tirhisa swivumbeko.

A large empty rectangular box for drawing or writing.



Teacher:  
Sign:  
Date:



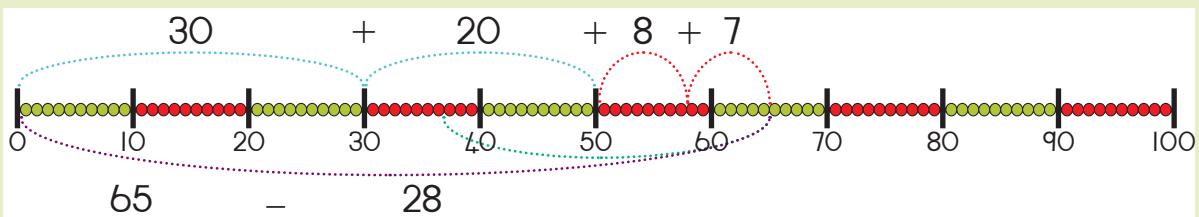
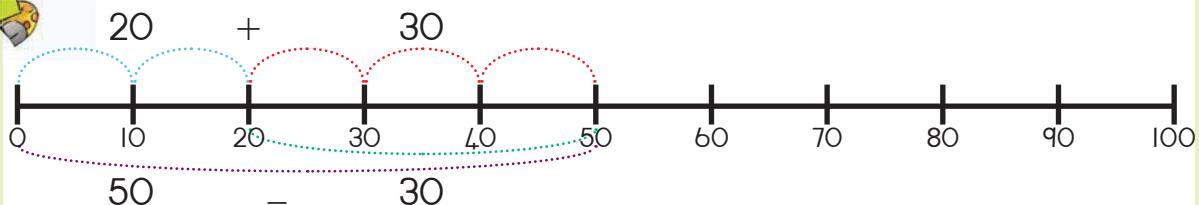
Siku:

## Ku hlanganisa na ku susa kun'wana

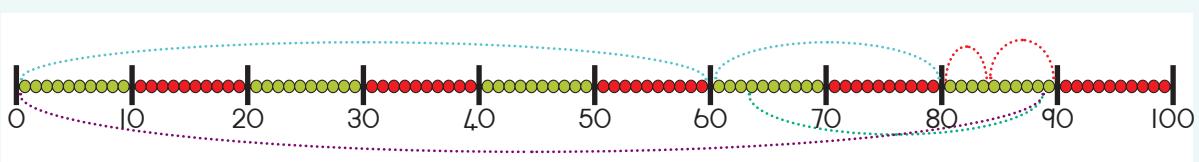
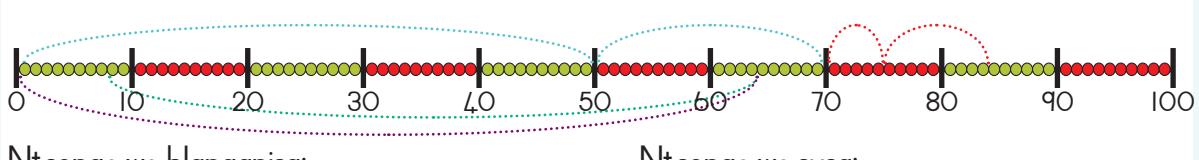
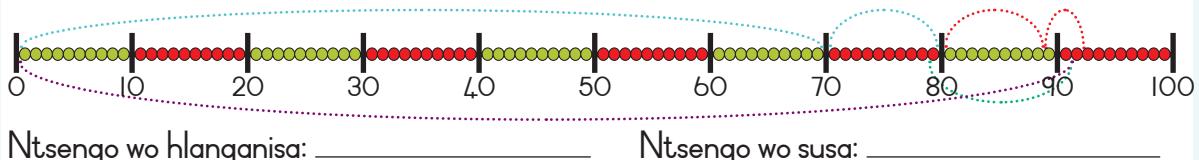
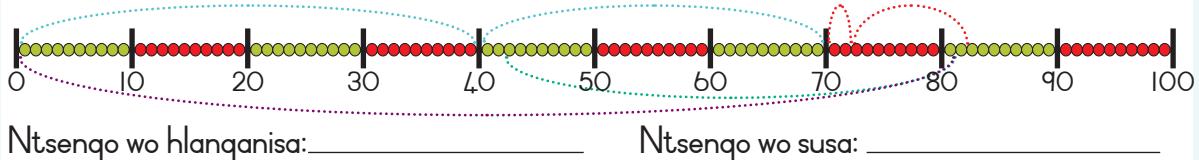
Kotara 4



Languta mindzhati ya mintsengo. Bula hi yona.



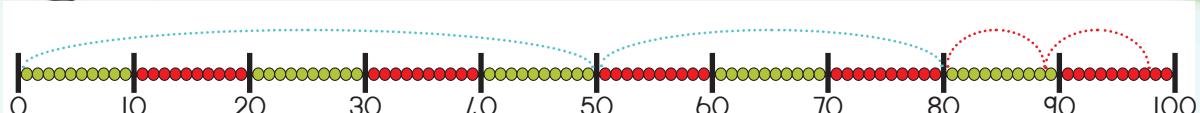
Tsala tinhlayo to hlanganisa na to susa u tirhisa ndzhati wa mintsengo.





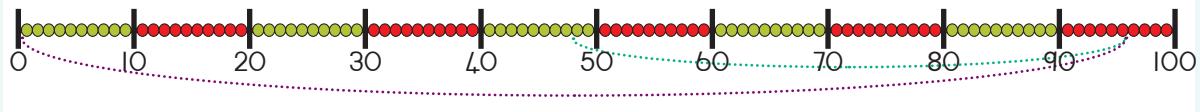
Pimanyeta u tlhela u khakhuleta vuhlalu.

$$\begin{array}{r} 7 + 7 = 14 \\ 8 + 7 = \\ \hline \end{array}$$



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.

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

105



## Ku hlanganisa

### na ku susa kun'wana nakambe



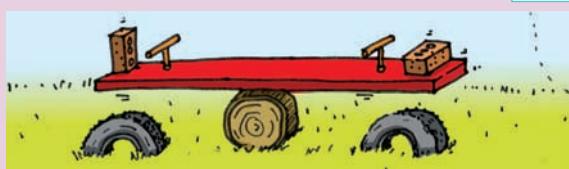
Ringanisa matlhelo.

Siku:

$10 + 4 + 5$

$9 +$

$+ \quad \square$



$90 - 50$

$\square - 20$



Hetisa leswi landzelaka:

engetela  
hi +1

6	7
5	
3	
9	
2	
7	
4	
8	

hunguta  
hi -1

4	3
8	
10	
9	
2	
7	
6	
3	

engetela hi  
+10

40	50
10	
60	
70	
20	
80	
30	
100	

hunguta  
hi -10

40	30
150	
20	
110	
200	
60	
180	
70	



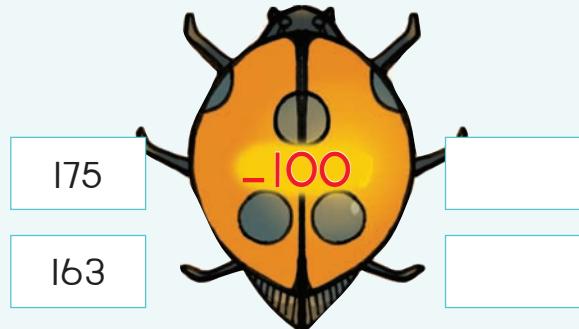
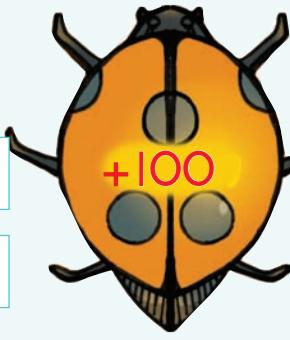
Hetisa leswi landzelaka:

25

199

37

89





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



5

q 0

-  

2 0

+  

3 0

1 0 0

4

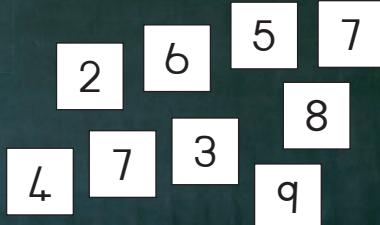
3



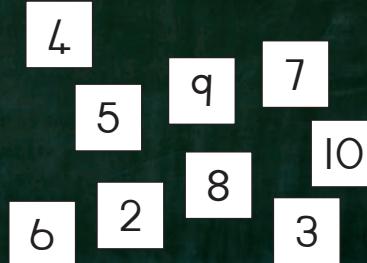
Languta nomboro kutani u endla nhlayo yo hlanganisa kumbe yo susa leyi nga na nhlamlulo leyi tsariweke ebodweni. Xik.  $3 + 4 = 7$



Ku hlanganisa  
swi vula yini?



Ku susa swi vula  
yini?



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

48 + 36

85 - 59



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

Ndzi hlayisile 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?

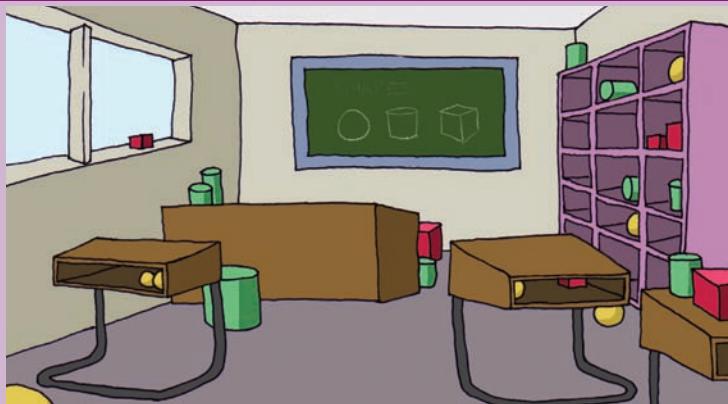
Teacher:  
Sign:  
Date:



## Swilo swa 3 wa matlhelo

Kotara 4

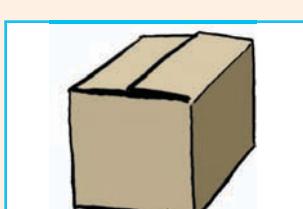
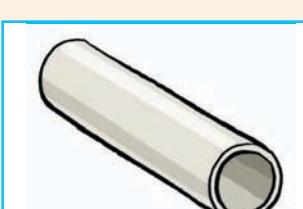
Xana mabokisi, tibolo na  
tisilindara swi le kwih?



Vula loko xi ri bokisi, bolo, kumbe silindara.











Kuma swifaniso swa leswi landzelaka kutani u swi damarheta laha.

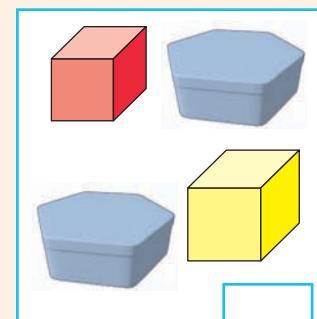
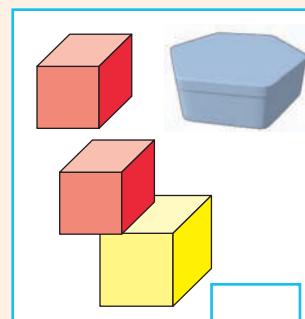
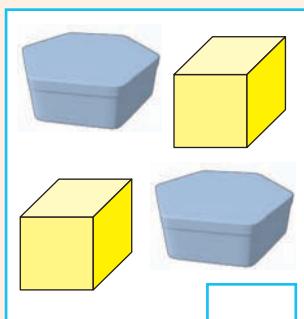
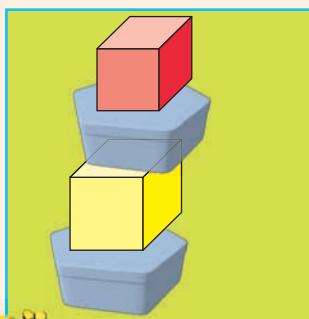
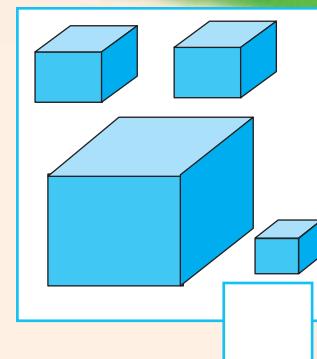
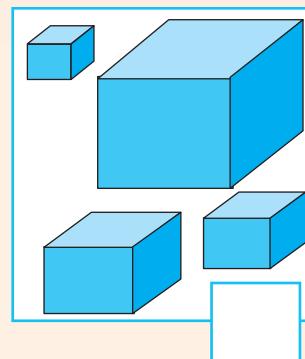
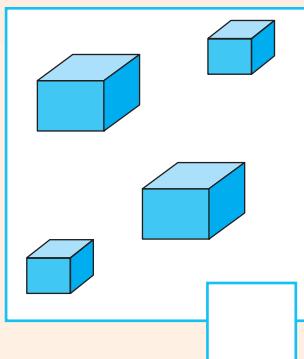
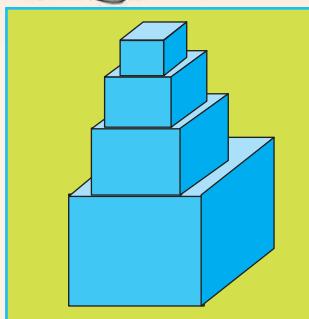
Bolo

Bokisi

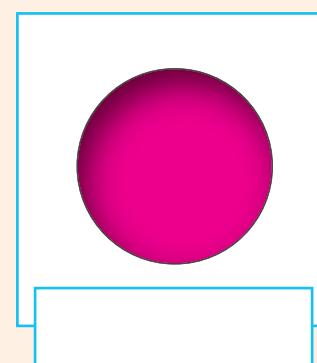
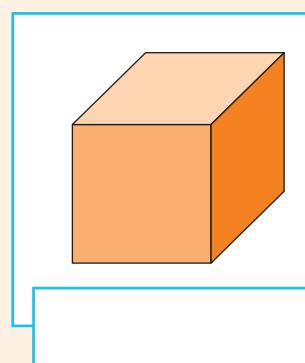
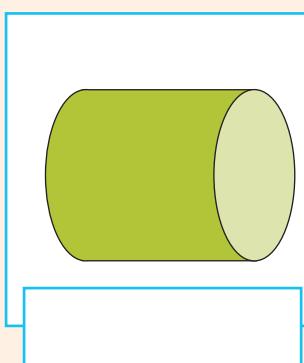
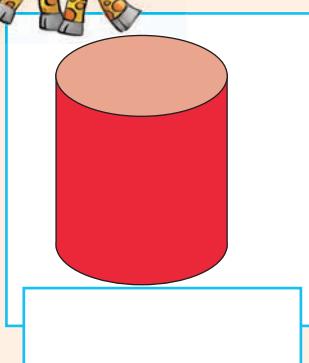
Silindara



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.

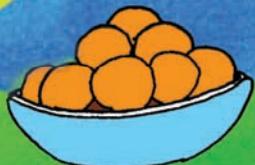


Endlwini ya wena kumbe eka ndhawu yin'wana na yin'wana ekusuhi na yindlu ya wena, i yini lexi langutekaka tanahi:

- Silindara
- Bolo
- Mabokisi

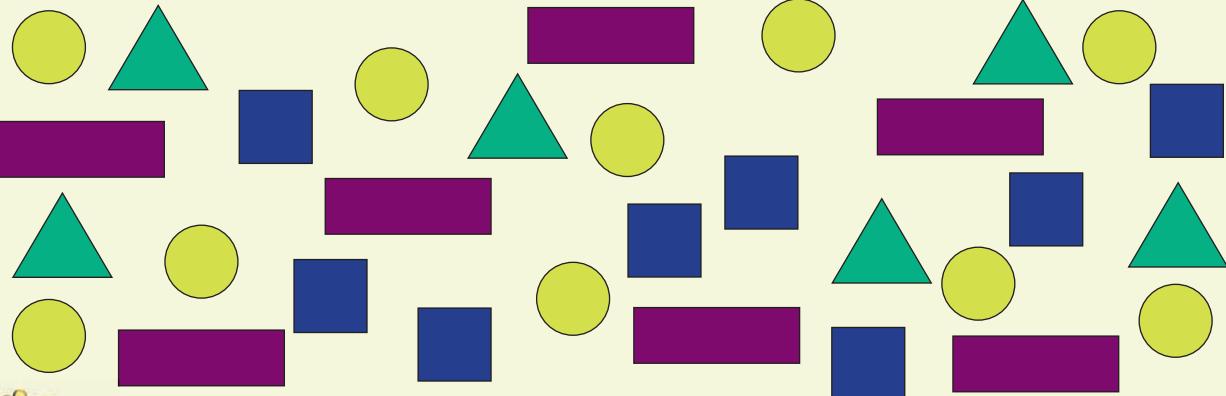
_____	_____
_____	_____
_____	_____



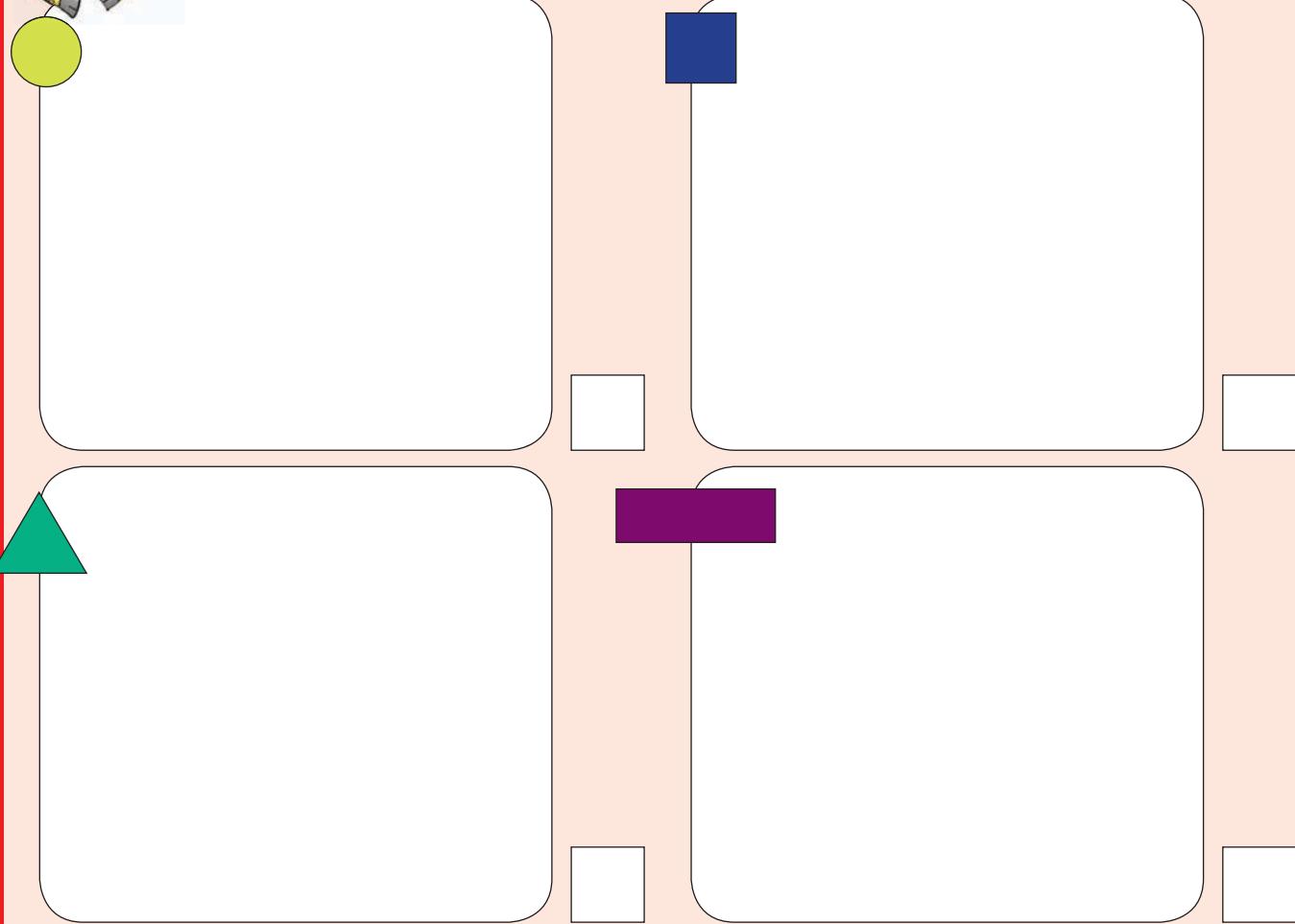


## Switiviwa swin'wana swo tala

Kotara 4



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

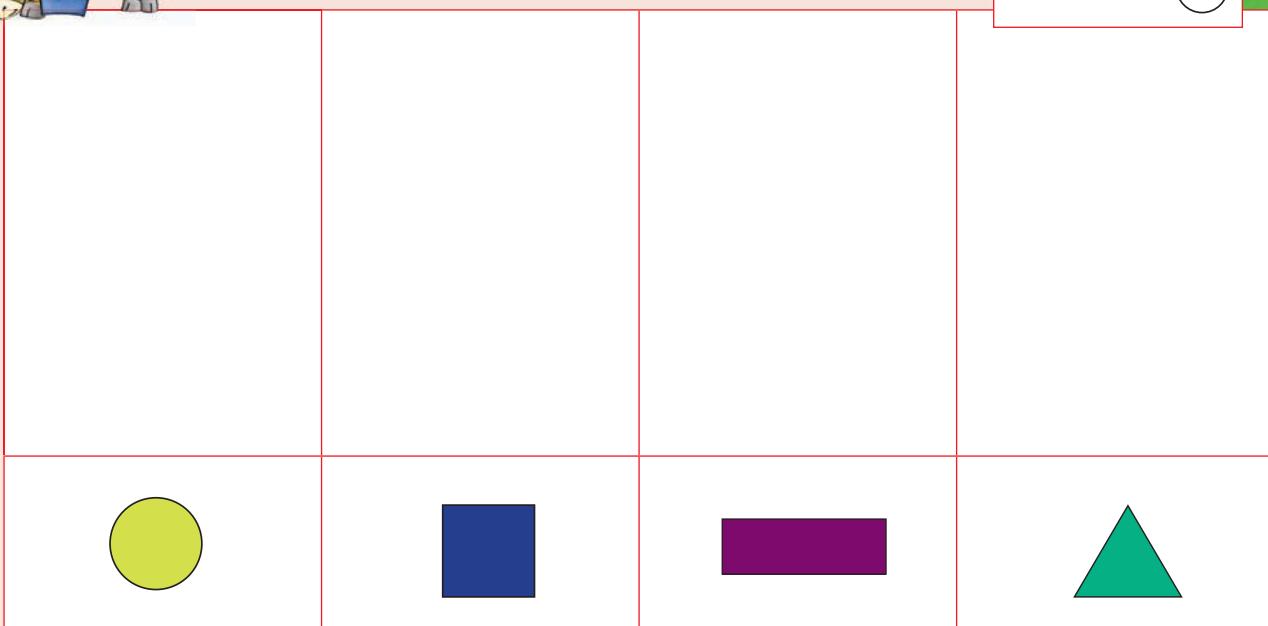




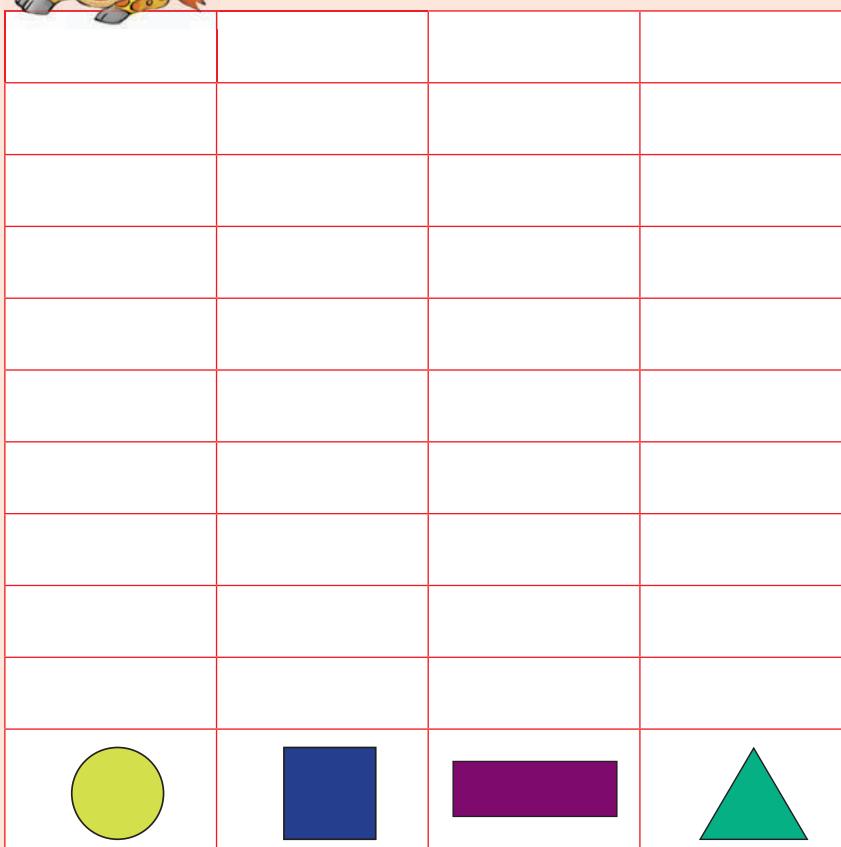
Dirowa girafu ya swifaniso swa  
swivumbeko swa wena swo hambana.



VUTHALA:



Khalara tibuloko ku hetisa girafu ya wena ya bara.



Xana ku na swirhendzevutana  
swingani?

Xana ku na  
swikwera swingani?

Xana ku na  
tiyinhlamune  
tingani?

Xana ku na  
tiyinhlanharhu  
tingani?





Siku:

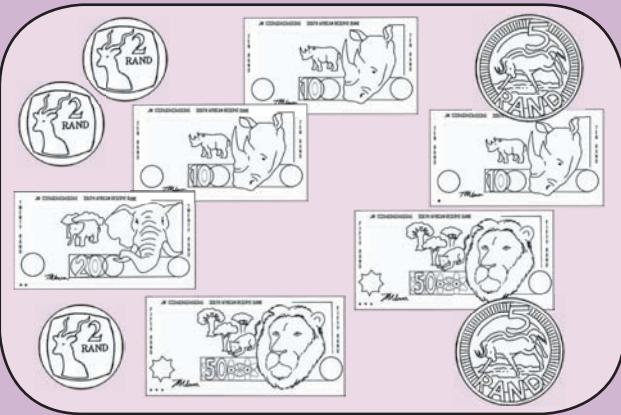
## Ku hlayela mali

Kotara 4.

Khalara tikhoyini leti nga ta endla 95c.



Khalara mali leyi nga ta endla R99.

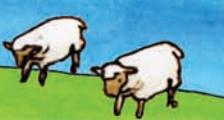


Khalara tikhoyini leti nga ta ku nyika: Xana i nhlanganiso lowu ntsena?

	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 tihambeaga 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 tanihi xivulwa xa tinomboro.

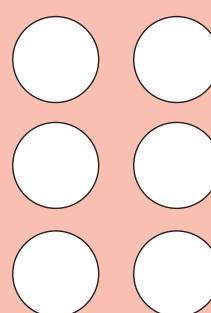
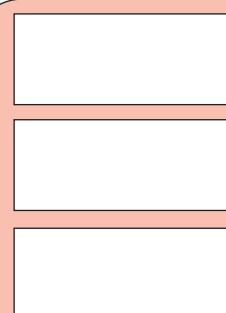


Xivulwa xa tinomboro:

$$\text{RI2,50} + \text{RI2,50} =$$



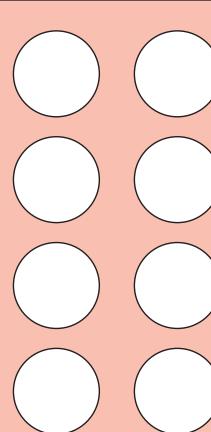
Loko Sipho a xava tihambeaga tinharhu?



Xivulwa xa tinomboro:



Loko Sipho a xava tihambeaga ta mune?



Xivulwa xa tinomboro:



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



109



## Ololoxa swiphiqo swa mali

Kotara 4

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

1 chokoleti



2 wa tichokoleti



3 wa tichokoleti



4 wa tichokoleti



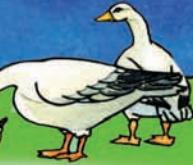
Sheila u xavisa swinkwa swa soseji hi R4 xin'we. Hetisa tafula ku n'wi pfuna ku kuma ntsengo wa tiadara letikulu.

Nhlayo ya Swinkwa swa soseji	1	2	3	4	5	6	7	8	9	10
Tikhoyini										
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
Tikhoyini										
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.



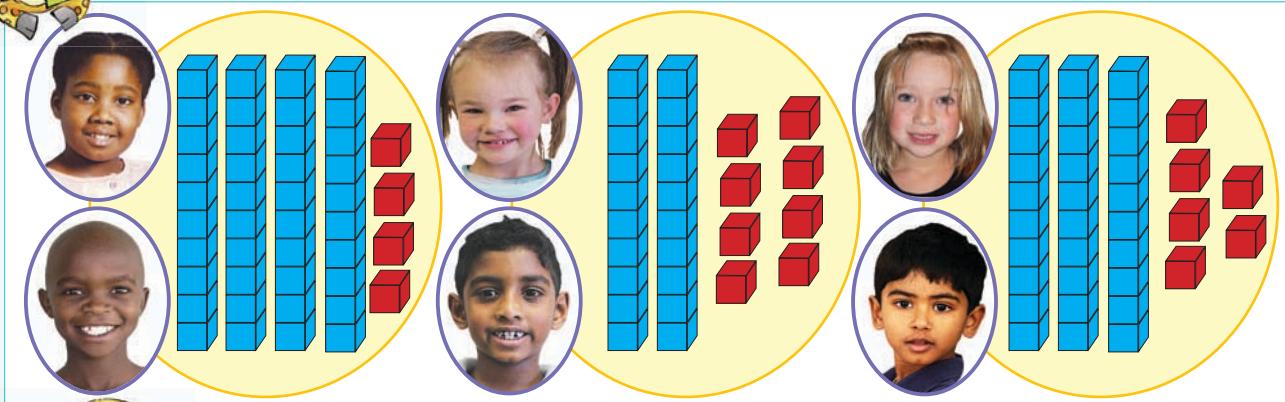


## Ku vumba nt lava na ku avela

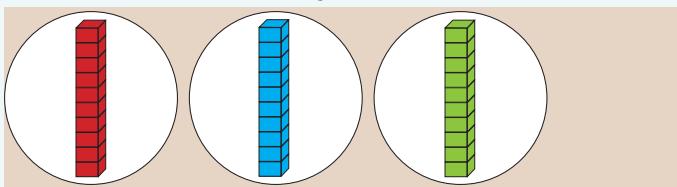
Kotara 4



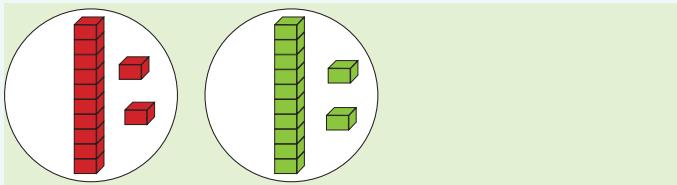
Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana? Ti ave exikarhi ka vana.



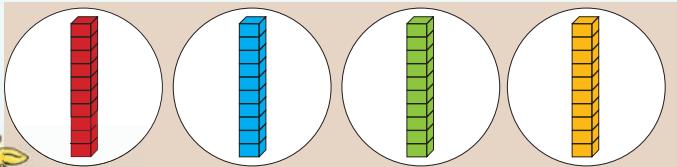
Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana?  
Tsala ntsengo eka xirhendzevutana xa wasi.



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



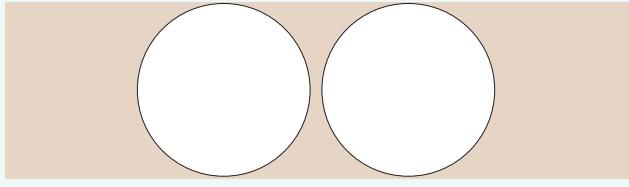
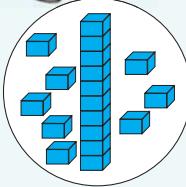
$$\square \times \square = \square$$



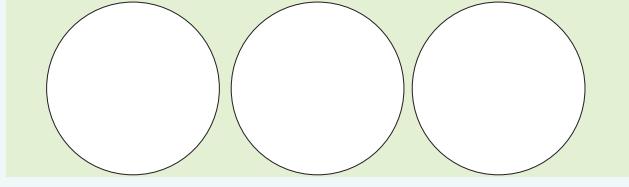
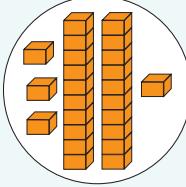
$$\square \times \square = \square$$



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



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



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



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

3 wa mintlawa ya 2



Ntsengo wo  
hlanganisa:



Ntsengo wo  
andzisa:

4 wa mintlawa ya 10



Ntsengo wo  
hlanganisa:



Ntsengo wo  
andzisa:

Ava swihlayelo swa 12 exikarhi ka 4.



Ntsengo wo  
susa:



Ntsengo wo  
avanyisa:

Ava swihlayelo swa 36 exikarhi ka 3.



Ntsengo wo  
susa:



Ntsengo wo  
avanyisa:



Khakhuleta.

2 wa mintlawa ya 7 \_\_\_\_\_

4 wa mintlawa ya 5 \_\_\_\_\_

Avanyisa 18 hi 2 \_\_\_\_\_

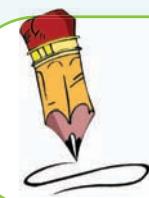
Avanyisa 35 hi 5 \_\_\_\_\_

3 wa mintlawa ya va 8 \_\_\_\_\_

2 wa mintlawa ya 15 \_\_\_\_\_

Avanyisa 24 hi 3 \_\_\_\_\_

Avanyisa 50 hi 10 \_\_\_\_\_



Ku aveia

Ku aveia

Teacher:

Sign:

Date:



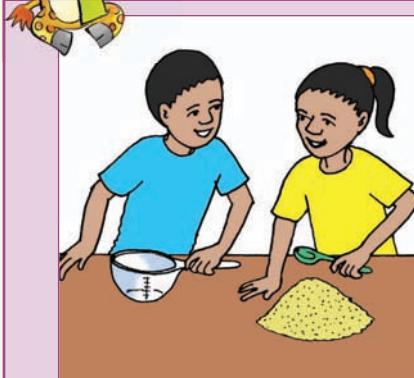
III

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 tikhapus eka bikiri ro pima?

---



---



---



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

2 wa tjeke \_\_\_\_\_

3 wa tjeke \_\_\_\_\_

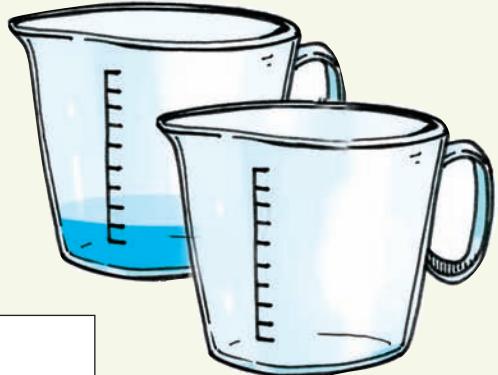
4 wa tjeke \_\_\_\_\_

5 wa tjeke \_\_\_\_\_



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

2



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



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

# Tipatironi ta tinomboro

Kotara 4

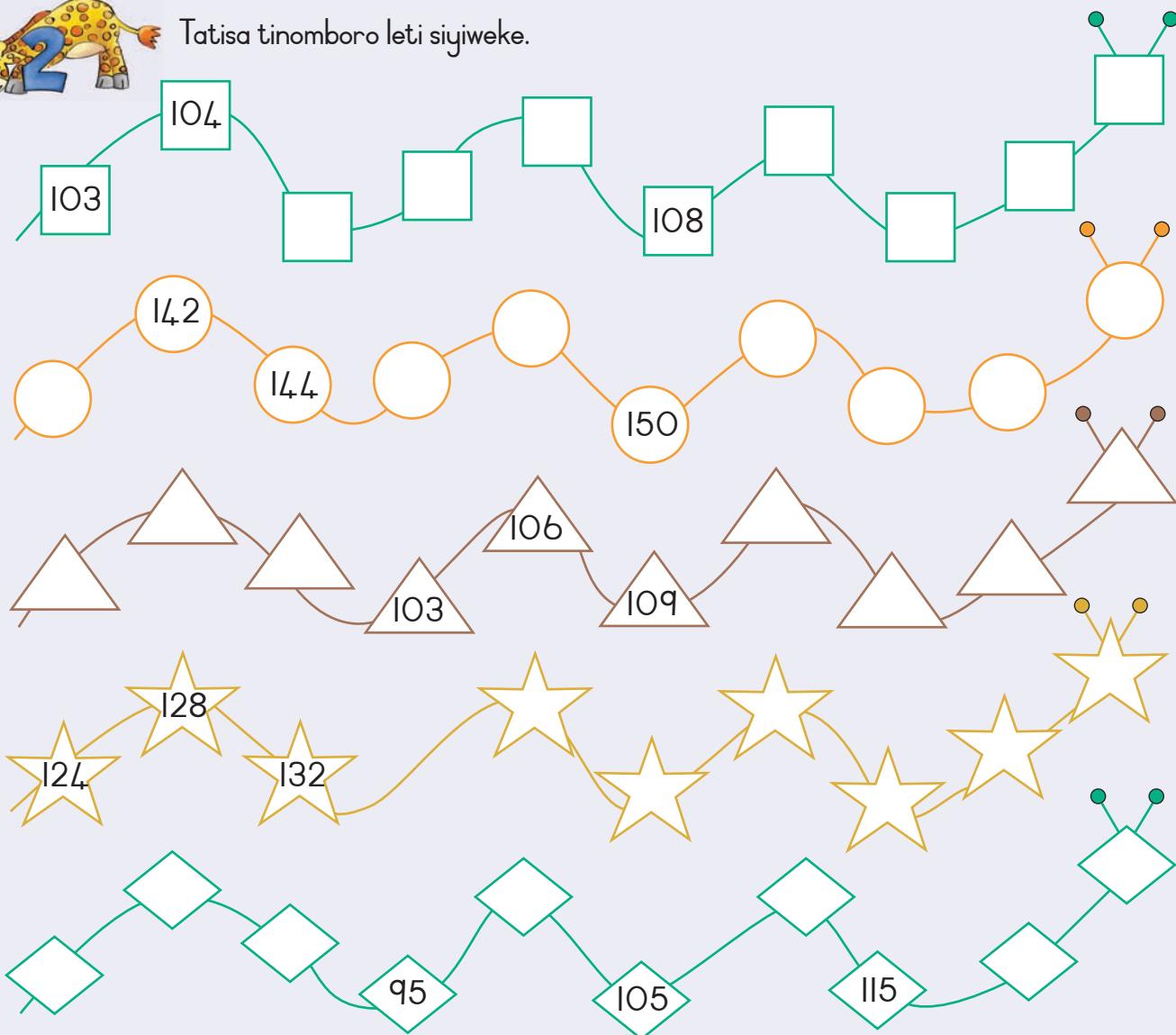


Veka makhadi hi mfanelo. Sungula hi lamakulu ku landzela lamatsongo.  
U tlhela u sungula hi lamantsongo kutani ku landzela lamakulu.

5	3	8	1	9	7	6	2	4
61	66	64	69	62	68	67	63	65
136	132	140	138	131	135	133	137	134



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

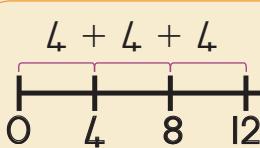
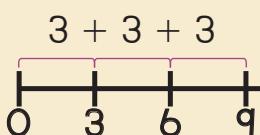
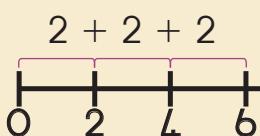
160, 155, 150, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_

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

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



Hetisa ndzhati wa mintsengo.



Xana hi hlayela hi yini?

4      20  
8      12  
16

2      14  
8      12  
10     4      6

5      15  
25     20  
30     10

3      21  
15     6  
18     9      12



Teacher:  
Sign:  
Date:



## Andzisa hi 3

Kotara 4

Swiharhi hinkwaswo swi na 4 wa milenge.

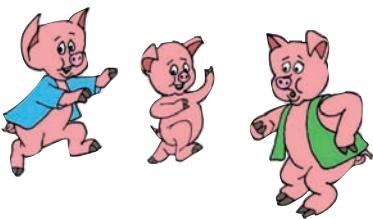


3 wa makondlo ya mabofu



3 wa swiberana

3 wa swingulubyana



Xana milenge hinkwayo i yingani exifanisweni lexi?

Xana tindleve hinkwato i tingani exifanisweni lexi?



Languta xifaniso lexi kutani u hetisa leswi landzelaka:



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

Nhlayo ya makondlo Milenge ya xiharhi xin'we

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

Nhlayo ya makondlo Tindleve ta xiharhi xin'we



Hetisa leswi landzelaka:

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

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



Hetisa leswi landzelaka:

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

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



Hetisa leswi landzelaka:

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

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

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

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

$$= 30 + 9$$

$$= 39$$



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

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

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

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

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

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



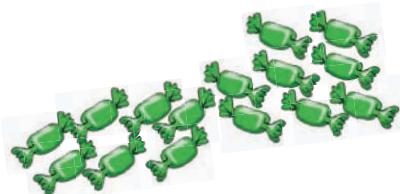
Vanghana vambirhi va wisile swibokisana swa vona swa tipenisele. A va ri na switsalo leswi fanaka. Va pfune ku swi tlherisela.



Hetisa leswi landzelaka:



Avela 2 wa vana swiphemu swa choleti leswi ringanaka.



Un'wana na un'wana u kuma

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



Un'wana na un'wana u kuma



Hetisa leswi landzelaka.

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

Un'wana na un'wana u kuma

Ava 16 wa tikhirayoni exikarhi ka 3 wa vana.



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



## Ku andzisa kun'wana

Siku:

Languta leswi landzelaka, xana u lemuka yini?

$$5 + 5 + 5 = 15$$



3 wa swijumba  
swa 5 = 15



3 wa mintlawa ya 5 i 15

3 yi andzisiwa hi 5 = 15

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$



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

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



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

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

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



Hlamula swivutiso leswi landzelaka.  
Xana i yini:

vunlhhanu 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	

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



115



## Ku andzisa kun'wana

Kotara 4

Languta swikombiso.



Xana ku andzisa  
swi vula yini?

	$25 - 10 = 15$
$4 \times 2 =$	8
$3 \times 4 =$	12
$4 \times 5 =$	20
$2 \times 6 =$	12
Xana loko hi andizisa 2 hi 7 hi kuma yini?	

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

Hetisa:

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

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

$12 \times 2$

$16 \times 2$

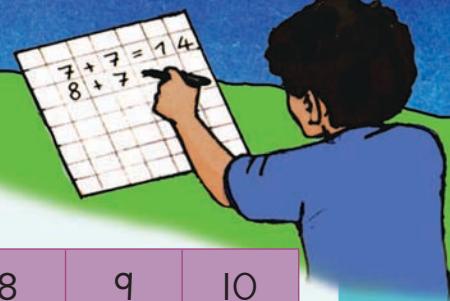
Hetisa:

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

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

$13 \times 3$

$15 \times 3$



Hetisa:

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

Tirhisia 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							

Tirhisia 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?



Ilba

Kotara 4



Tsala masiku ya vhiki.



## Masiku ya vhiki

MBIRHIRAVU

NTOSO

BHUNUKUMUSUM

HARHURAVUN

UMUNERAV

IVELAMUGQ

NTLHANURAVU



Tata masiku lama siyiweke.

Musumbhunuku		Ravunharhu	
--------------	--	------------	--



Tsala masiku ya vhiki.

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



I masiku mangani ku suka eka:

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

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

Ravumune ku fika Muggivela? \_\_\_\_\_



Xana ku na masiku mangani exikarhi ka:

Musumbhunuku na Ravuntlhanu? \_\_\_\_\_

Ravumbirhi na Muggivela? \_\_\_\_\_

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	Nyenyenyanı	Nyenyakulu	Dzivamisoko
Mudyaxihi	Khotavuxika	Mawuwani	Ndzati
Nhlangula	Mhawuri	Hukuri	N'wendzamhala



Hlamula leswi landzelaka:

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



Hi yihi n'hweti leyi taka ku nga si fika Nyenyenyanı? \_\_\_\_\_

Hi yihi n'hweti leyi taka ku nga si fika Khotavuxika? \_\_\_\_\_



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

Ndzati? \_\_\_\_\_

Mawuwani? \_\_\_\_\_



Teacher:  
Sign:  
Date:

116b



## Masiku, mavhiki na tin'hweti

Siku:

Kotara 4

Hukuri 2015

Sonto	Musumbhunuku	Ravumbirhi	Ravunharhu	Ravumune	Ravuntlhunu	Mugqivelu
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



Languta khalendara kutani u hlamlula swivutiso leswi landzelaka:

Xana 1 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? \_\_\_\_\_



Hlamlula swivutiso leswi landzelaka:

Xana N'wendzamhala yi na masiku mangani? \_\_\_\_\_

Xana N'wendzamhala yi na mavhiki mangani? \_\_\_\_\_

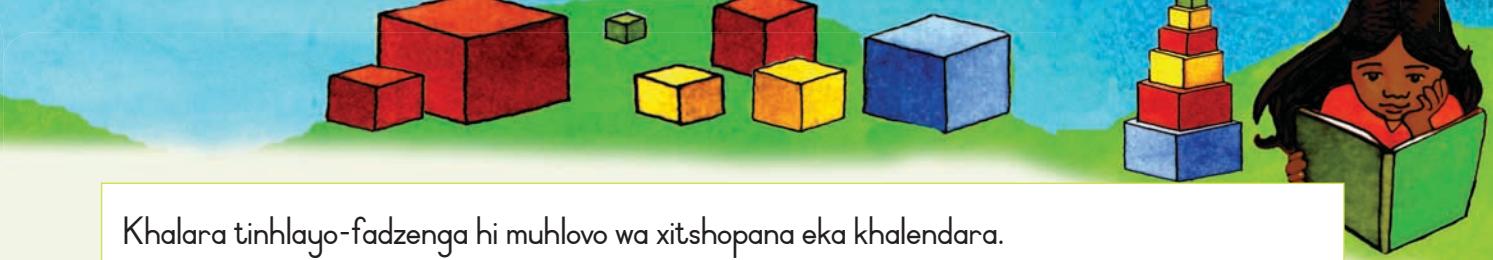
Xana vhiki ri na masiku mangani? \_\_\_\_\_

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		
	ku fikela		
	ku fikela		
	ku fikela		



Teacher:  
Sign:  
Date:

117



## Tipatironi ta tinomboro tin'wana

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

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



Hetisa patironi.

I	(2)	3	4	5	6	7	8	9	10
II	12	I3	I4	I5	I6	I7	I8	I9	I20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
I01	I02	I03	I04	I05	I06	I07	I08	I09	I10
III	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50
I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	200



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

4	19	21
<b>fadzenga</b> ndzingano	<b>fadzenga</b> ndzingano	<b>fadzenga</b> ndzingano
26	20	18
<b>fadzenga</b> ndzingano	<b>fadzenga</b> ndzingano	<b>fadzenga</b> ndzingano



Tsala tinomboro leti siyiweke ku hetisa patironi.

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

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

38, 45, 38, 45, , 45

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

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

Tsondzela tinomboro leti  
leswaku u pfuneka ku  
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, 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,



Teacher:
Sign:
Date:



## Ku avelana ko ringana loku letelaka eka swiphemu

Siku:

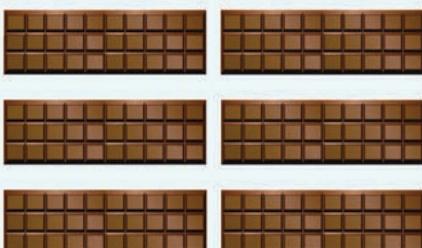
Kotara 4



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.

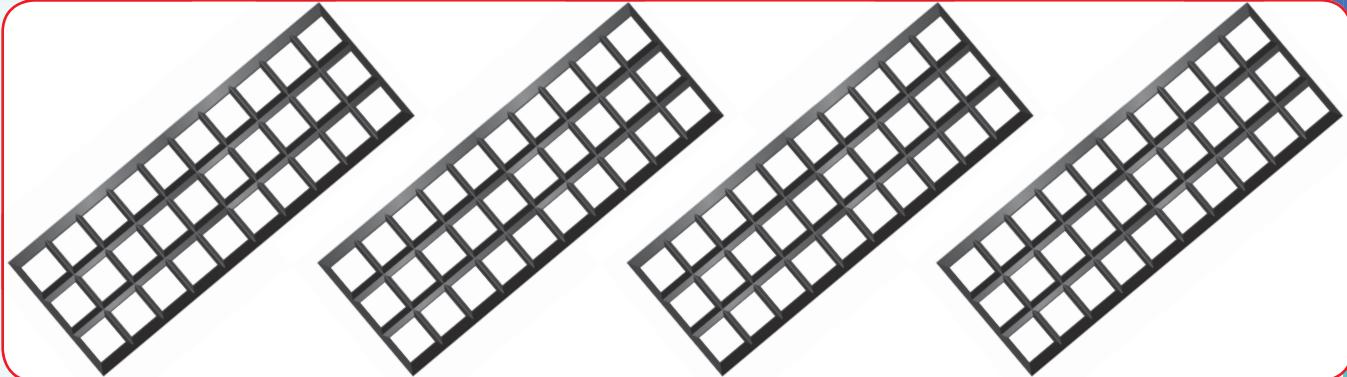
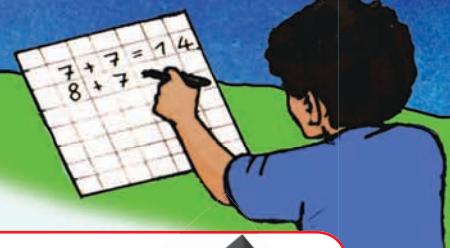
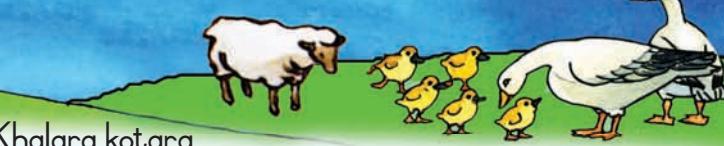
N'wana un'wana na un'wana u kuma n'we xa nharhu xa chokoleti.

Kombisa nhlamulo ya wena hi ku dirowa laha hansi.

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



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



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

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



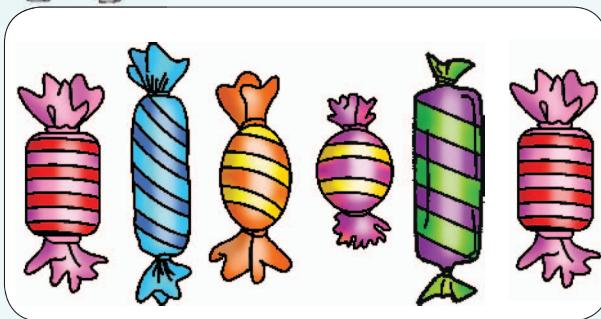
Kombisa hafu yin'we ya leswi landzelaka.



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.



Teacher:
Sign:
Date:

119



## Ku leha

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

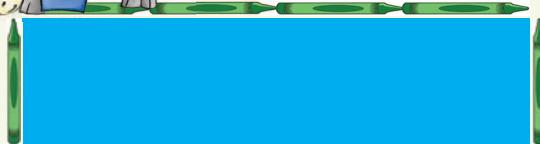


Tlhelo ro leha i tikhirayoni ta \_\_\_\_.

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

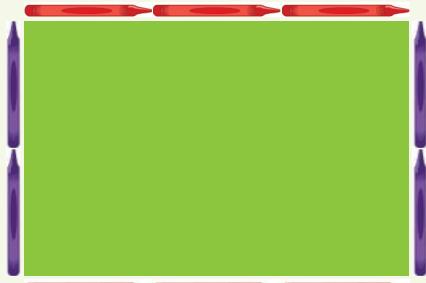


Hlamula leswi landzelaka.



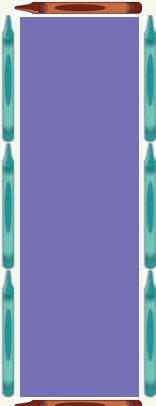
Tlhelo ro leha i tikhirayoni ta \_\_\_\_\_.

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



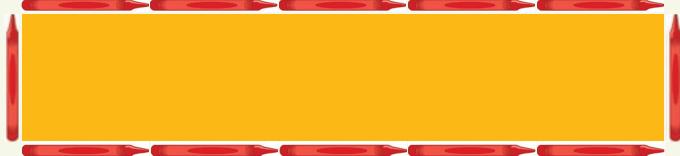
Tlhelo ro leha i tikhirayoni ta \_\_\_\_\_.

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



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

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

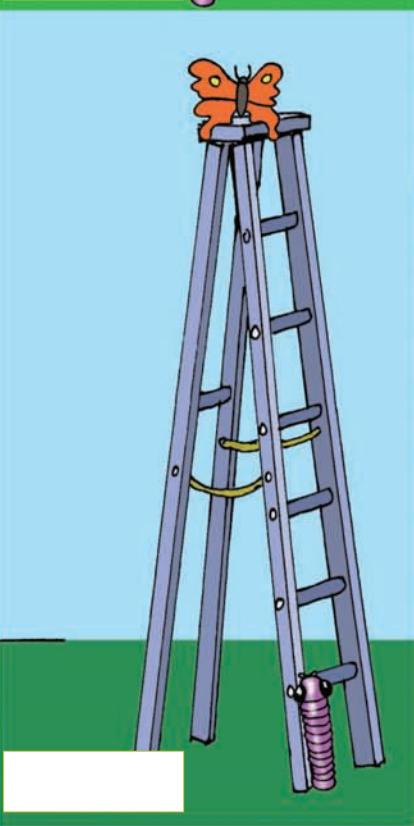
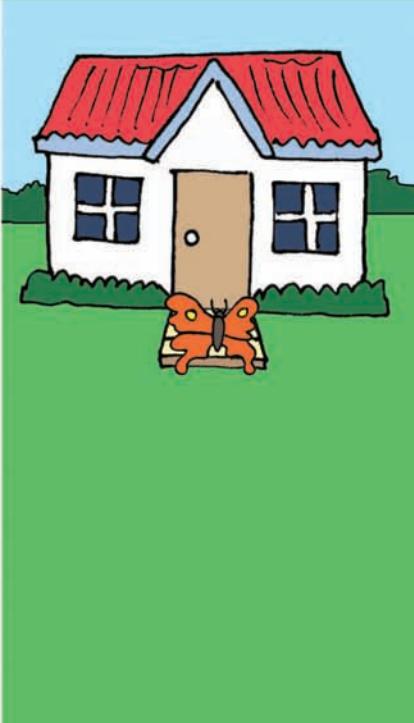
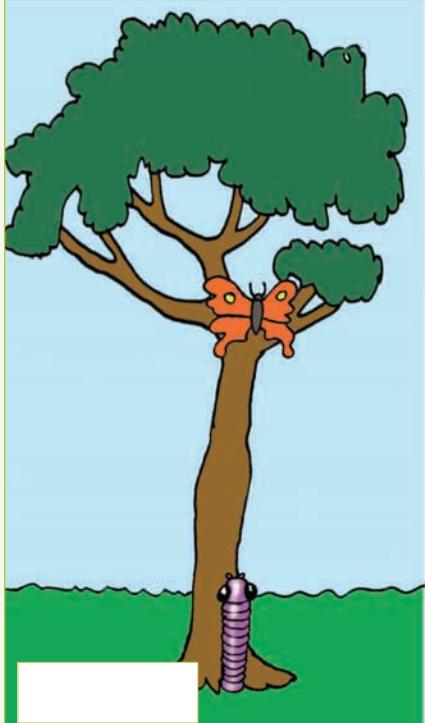


Tlhelo ro leha i tikhirayoni ta \_\_\_\_\_.

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



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



Teacher:
Sign:
Date:

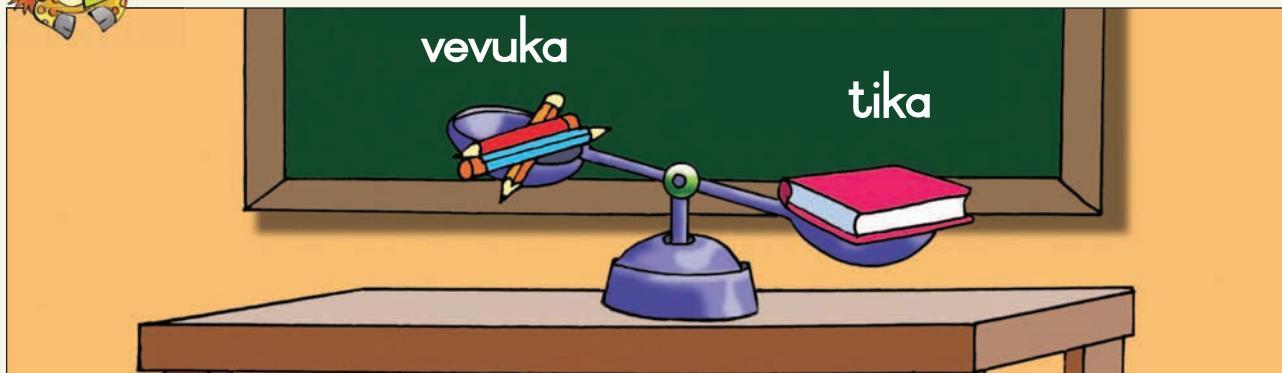


## Ku tika na ku vevuka

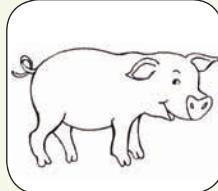
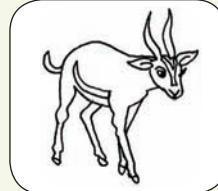
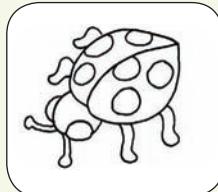
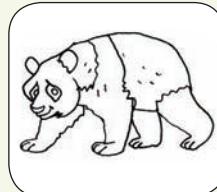
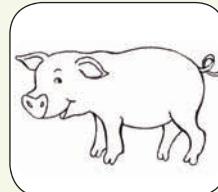
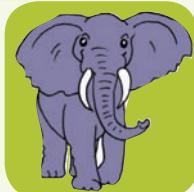
Siku:



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.





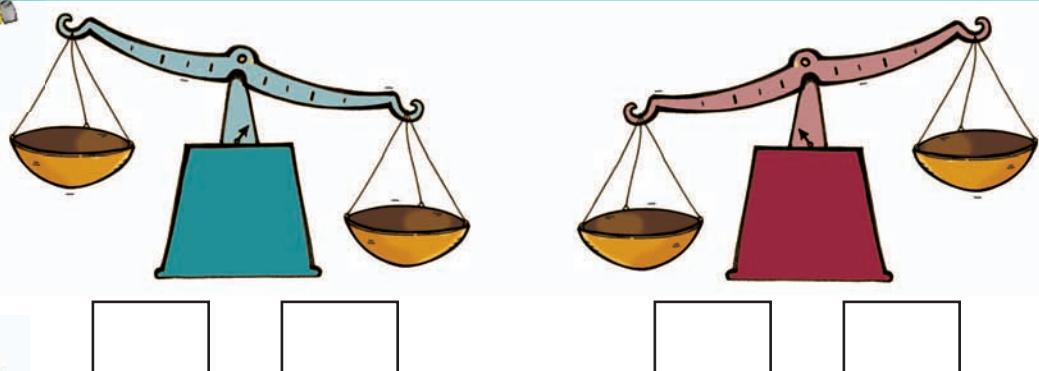
Vula loko swikalu swa ndzinganiso swi ringana kumbe swi nga ringani.



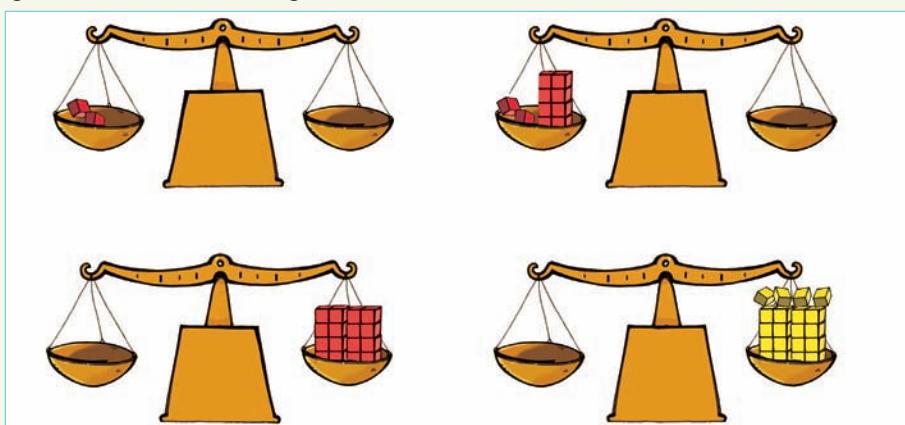
Endla leswaku xikalu xa ndzinganiso xi ringana. Dirowa xifaniso eka swikalu leswi nga riki na nchumu.



Dirowa swifaniso ku endla swikalo swi ringana.



Engetela tibuloko ku ringanisa swikalu.  $\textcolor{red}{\blacksquare} = \textcolor{yellow}{\blacksquare} \textcolor{yellow}{\blacksquare}$



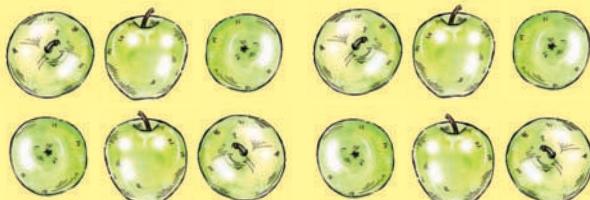
Teacher:
Sign:
Date:



## Ku avelana kun'wana loku letelaka eka swiphemu

Siku:

Ava maapula lawa exikarhi ka vanghana vanharhu.



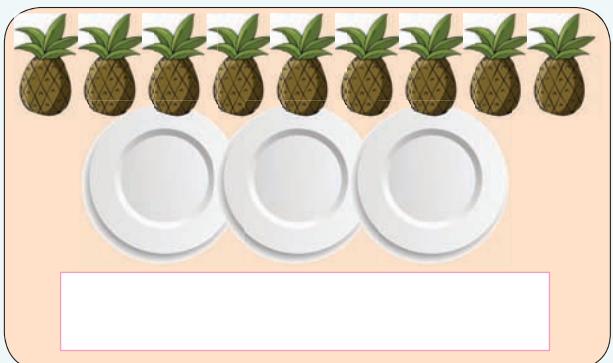
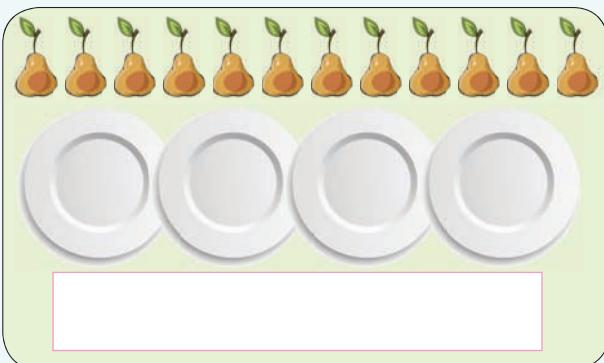
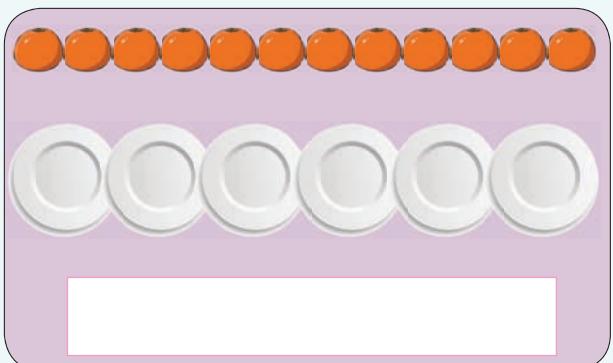
Un'wana na un'wana u kumile maapula mangani? Mune.

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



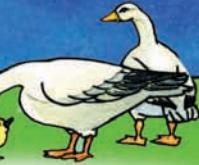
Languta xikombiso lexi nga laha henhla kutani u hetisa leswi landzelaka.

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



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



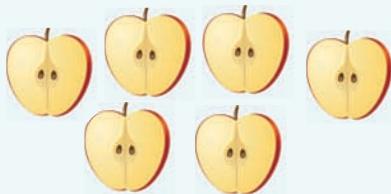


Maapula manharhu



ya tseminiwa hi tihafu.

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

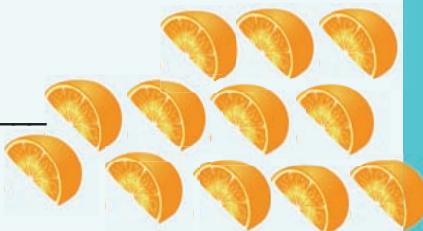


Malamula ya mune  
eka xa-nharhu.



ya tseminiwa

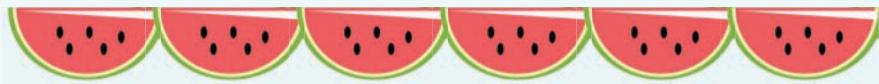
I vana vangani lava nga ta kuma n'we-xa-ntsevu? \_\_\_\_\_



Makalavatla mambirhi



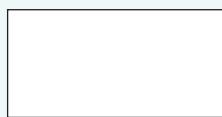
ya tseminiwa eka xa-ntsevu.



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?

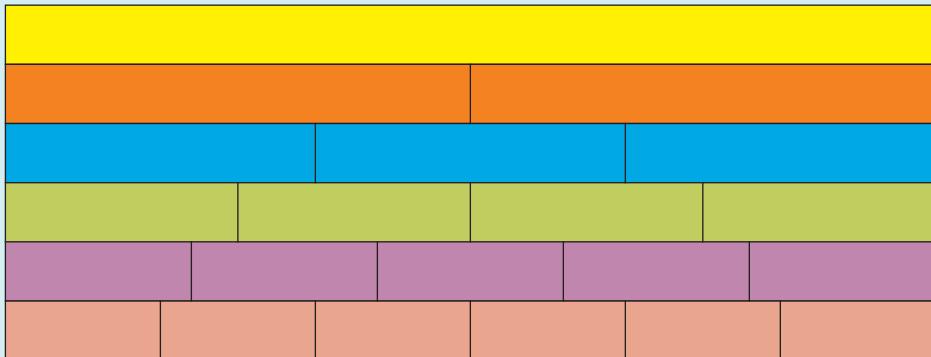




## Swiphemu

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

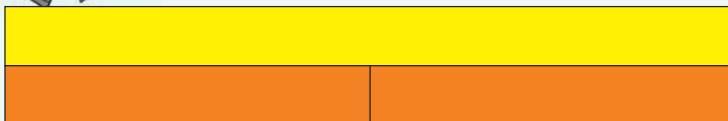
hafu yin'we

n'we-xa ntsevu

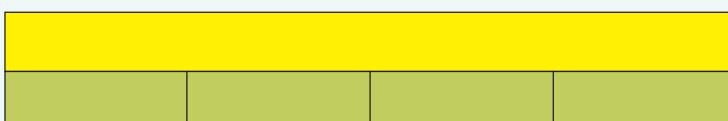
kotara yin'we



Hetisa leswi landzelaka.



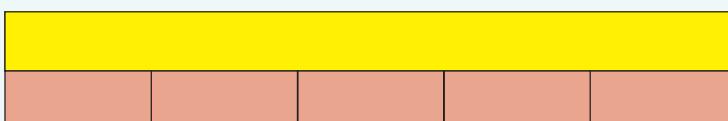
2 wa tihafu ti tanihu \_\_\_\_\_ xiheri.



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



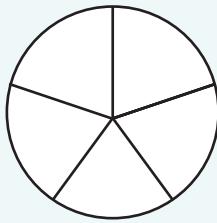
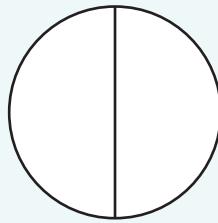
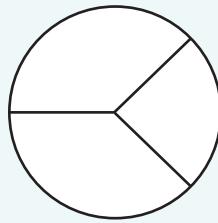
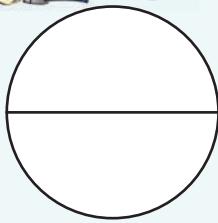
3 wa xa-nharhu swi tanihu \_\_\_\_\_ xiheri.



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

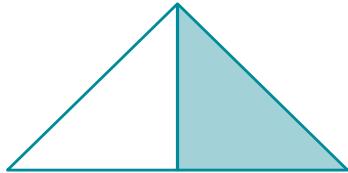


Khalara leswi landzelaka. Xana u lemuka yini?





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



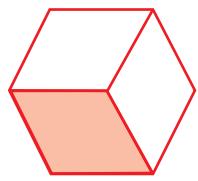
**hafu yin'we**



**hafu yin'we**



**n'we-xa nharhu**



**hafu yin'we**



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

**kotara yin'we**

**hafu yin'we**

**n'we-xa ntłhanu**

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

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





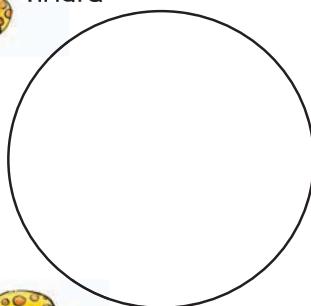
## Swiphemu swin'wana

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

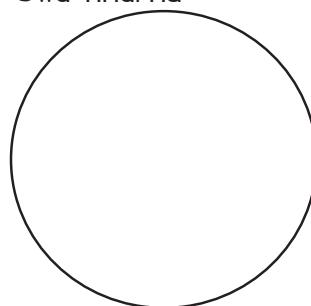


Munghana wa wena u kombela leswaku u avanyisa Pizza eka swiphemu leswi ringanaka. Dirowa u kombisa xin'wana na xin'wana.

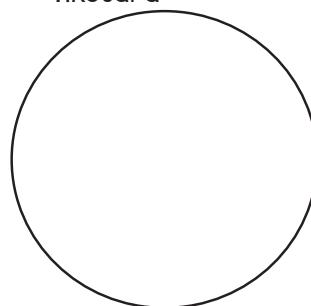
Tihafu



Swa-nharhu



Tikotara



Gwabiso nhlamulo leyi faneleke.

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

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

Lindy, Susan, Lerato na Palesa va dyile pizza hinkwayo. Xana va dyile yo tanahi 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 ringand?			
Gwajula ntlawa lowu u tsakelaka ku va eka wona. Hikwalaho ka yini?			
I swiwitsi 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 timbirhi

tikotara tinharu

nharhu-xa-nharhu

tihafu timbirhi

mbirhi-xa-nharhu

mune-xa-ntlhanu

tikotara ta mune

ntlhanu-xa-ntlhanu

nharhu-xa-ntlhanu

mune-xa-mune

mbirhi-xa-ntlhanu

ntlhanu-xa-ntlhanu

nharhu-xa-mune

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




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



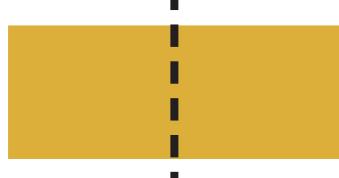
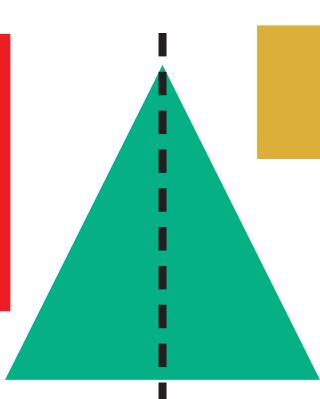
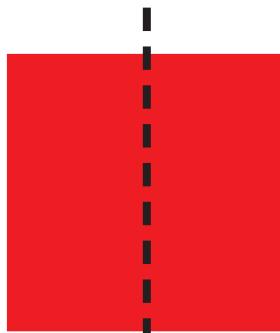
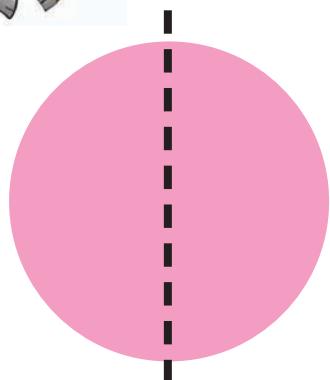
## Ku ringana ka swivumbeko

Siku:

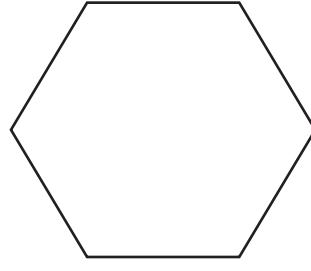
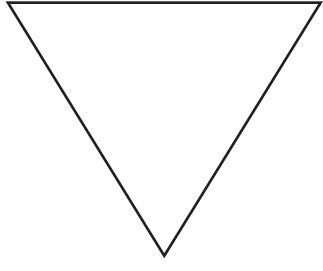
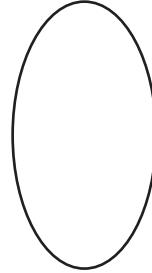
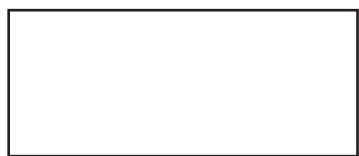
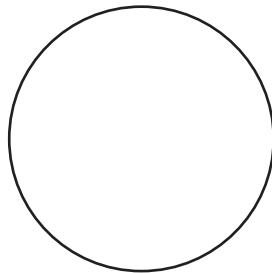
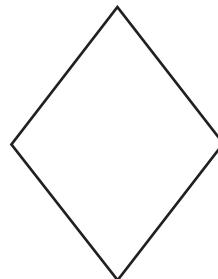
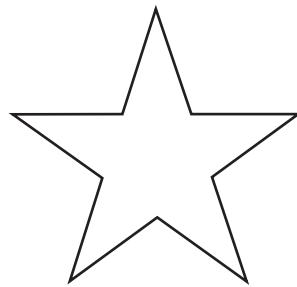
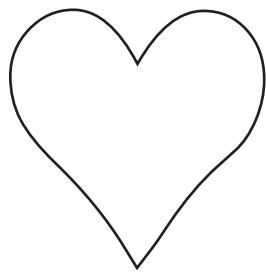
Kotara 4



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

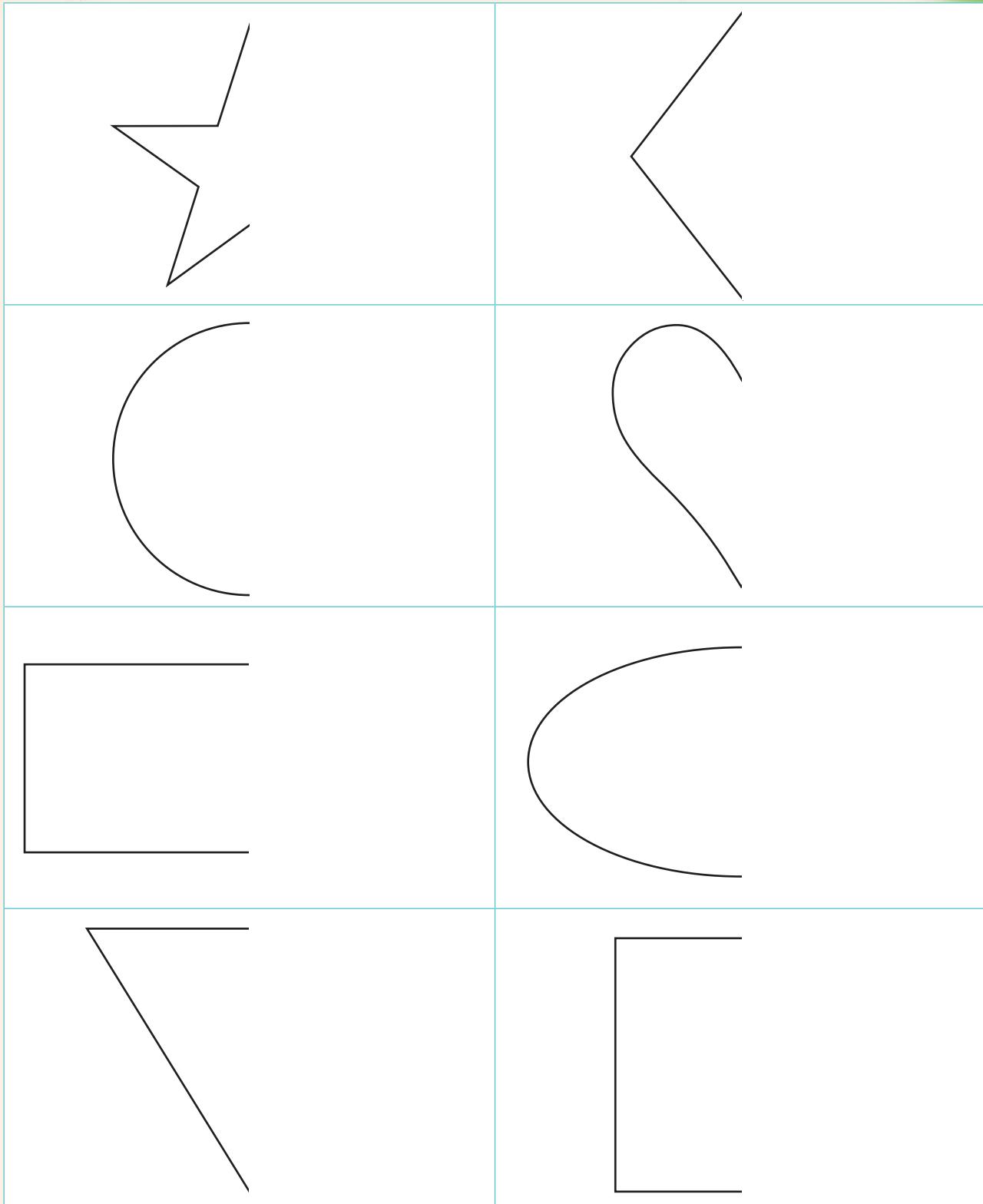


Dirowa ntila eka tlhelo rin'we ra xivumbeko leri fanaka na lerin'wana.





Dirowa tlhelo lerin'wana ra xivumbeko.



Teacher:
Sign:
Date:



## Malongolokelo na swiphemu

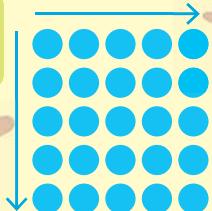
Kotara 4

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

Leyi i kholomu.



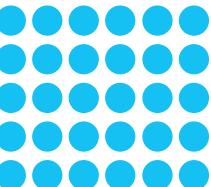
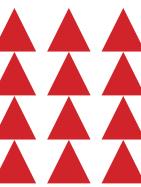
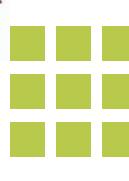
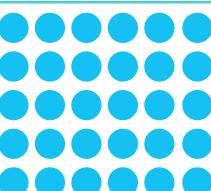
Leri i rixaxa.



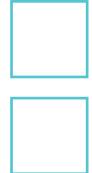
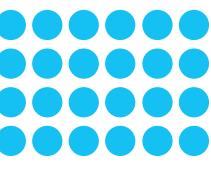
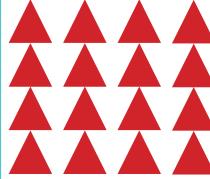
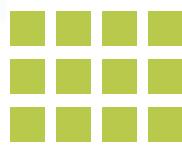
Xana u tirhise tikholumu na tinxaxa hi ndlela yihi ku ku pfuna?



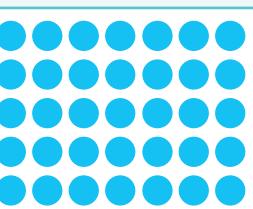
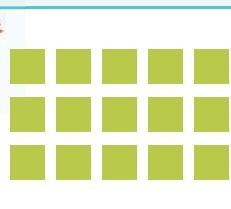
6  
3



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



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

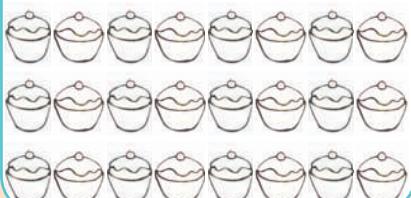


Tirhisa malongolokelo ku kombisa

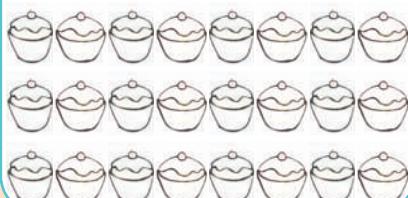
kotara yin'we ya 12 wa swiwiitsi?	n'we-xa-nharhu xa 12 wa swiwiitsi?	Hafu yin'we ya 12 wa swiwiitsi?
-----------------------------------	------------------------------------	---------------------------------

Manana u bakile 24 wa makhekhe ya swikhapanana a bakela tindhawu ta vatirhi leti landzelaka.  
 Leswi odariweke hi leswi: Tirhisa swifaniso swa makhekhe ya swikhapanana ku ku letela.

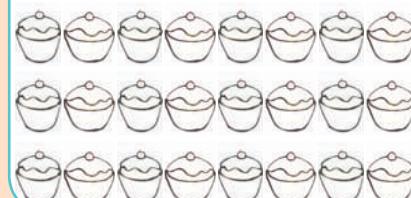
hafu yin'we ya switiroberi kasi leyj  
saleke hinkwayo i ya vhanila



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



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



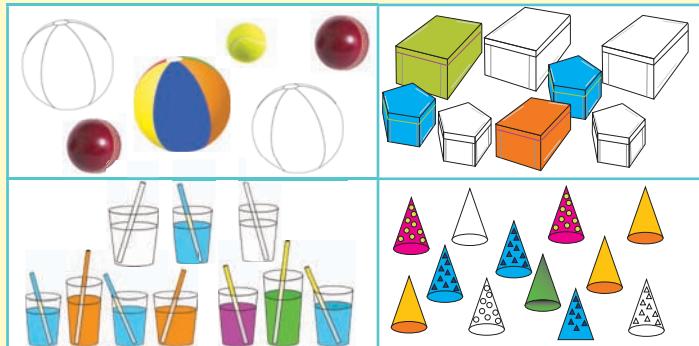


## Xiphemu xa swihlengeletiwa

Kotara 4

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

I hafu ya swihlengeletiwa.



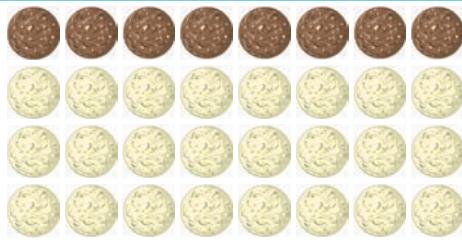
I-xa-nharhu ya swihlengeletiwa.

I kotara ya swihlengeletiwa.

I xa-ntlhanu ya swihlengeletiwa.



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





Ololoxa swiphiqo 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 tih? \_\_\_\_\_

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 tih? \_\_\_\_\_

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 tih? \_\_\_\_\_

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 tih? \_\_\_\_\_

Dirowa xifaniso ku kombisa nhlamulo ya wena.



I xiphemu muni xa makhekhe ya swikapano lexi nga totiwa hi chukela ra banana?  Chukela ra switiroberi?   
Chukela ra chungamu?



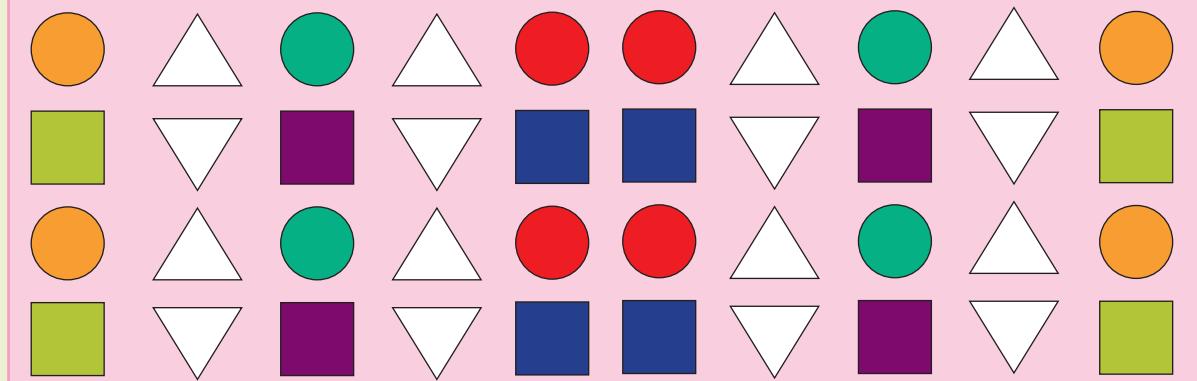
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



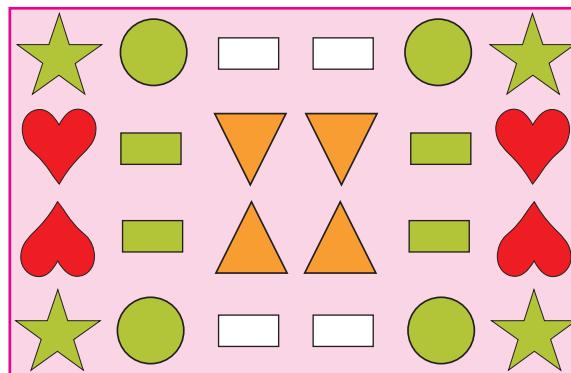
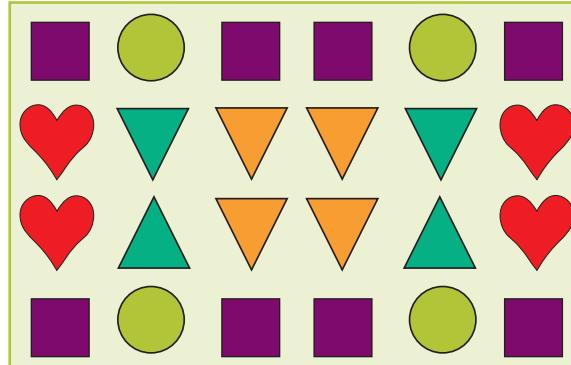
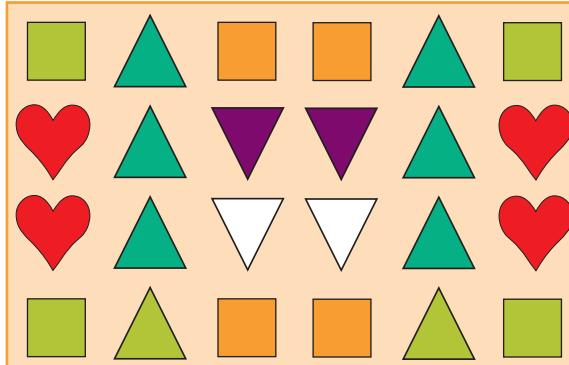
## Ku ringana eka tipatironi

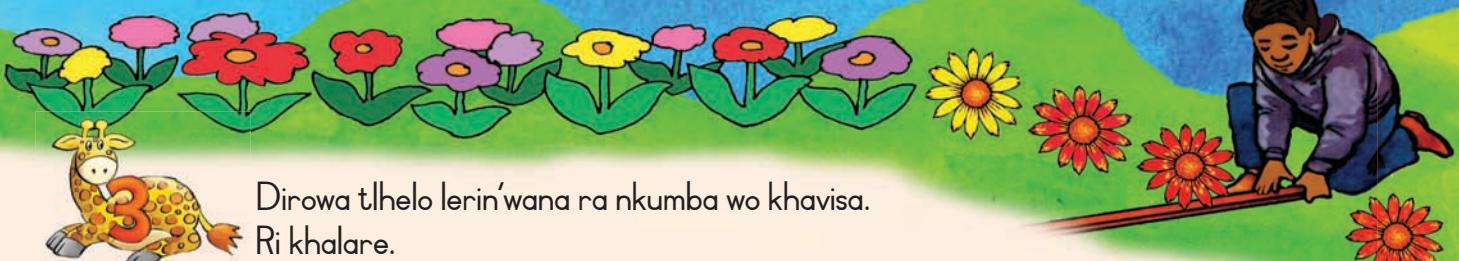
Siku:

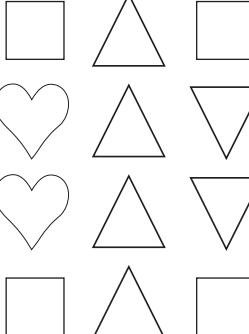
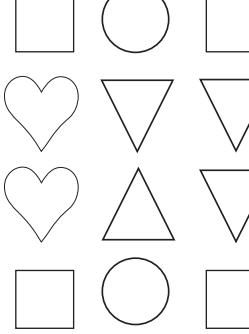
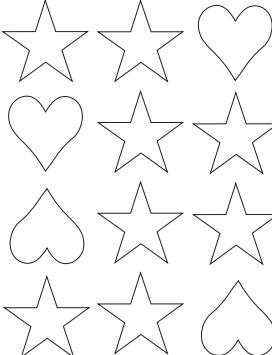
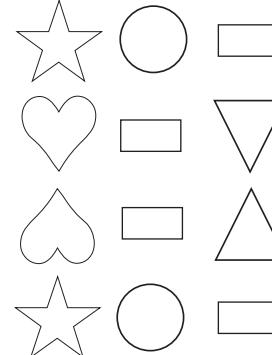
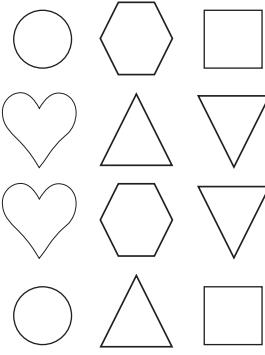
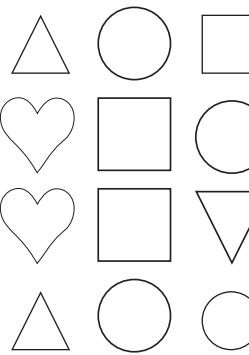
Languta swifaniso swa nkumba wo khavisa. Xana u vona yini?



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







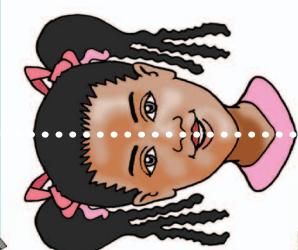
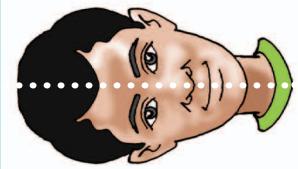
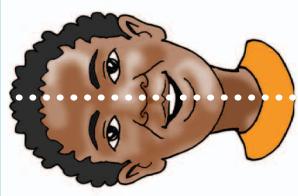
Teacher:
Sign:
Date:

## Ndzingano wun'wana

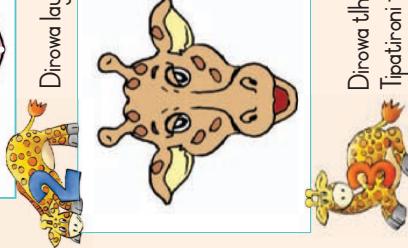
Languta swifaniso swa swivumbekto. Xana tlhelo rin'we ra xitsotsotso ra fana na lerin'wana?



Sila:



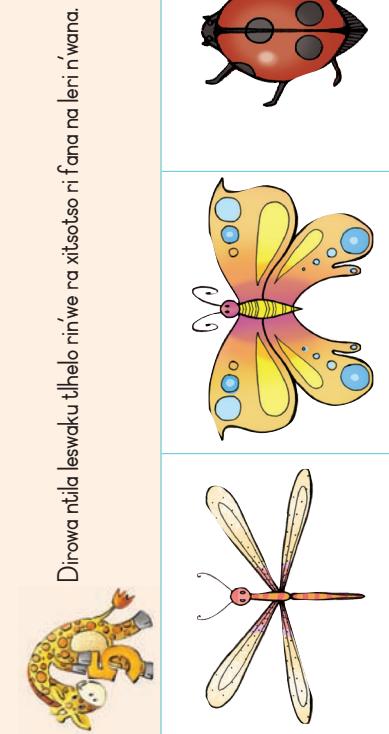
Dirowa layini ekat tlhelo rin'we ra xikandza lerifandaka na lerin'wana.



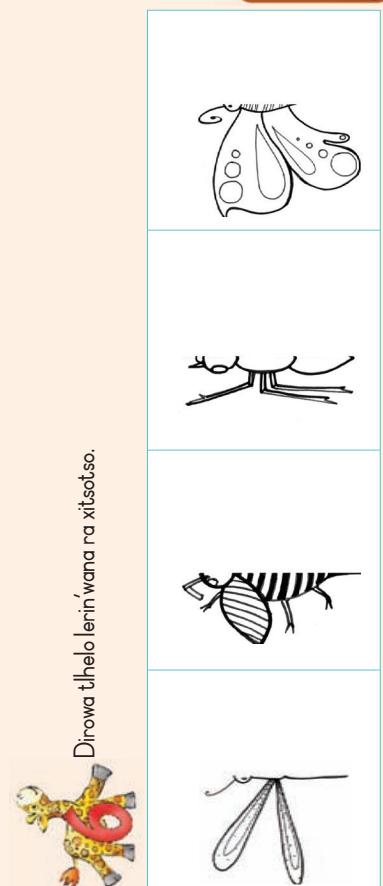
Dirowa tlhelo lerin'wana ra xikandza.  
Tipatironi ta timomboro ti takku pfuna.



Languta swifaniso swa swivumbekto. Xana tlhelo rin'we ra xitsotsotso ra fana na lerin'wana?



Dirowa ntla leswaku tlhelo rin'we ra xitsotsotso ri fana na lerin'wana.



Dirowa tlhelo lerin'wana ra xitsotsotso.