

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

Vumbiwa ra Afrika-Dzonga (1996) ri na milawu ya le henhla ya tiko. Milawu leyi yi le henhla ku tlula na puresidente, yi le henhla ku tlula tihuvo na ku tlula mfumo. Yi hlamusela ndlela leyi vanhu va tiko va faneleke ku khomana hiyona, timfanelo na vutihlamuleri bya vona eka vanhu van'wana. Vumbiwa ra Tiko ri kona leswaku ri kota ku sirhelela hinkwerhu ka hina sweswi na vana va hina eka minkarhi leyi taka.

Lemuka matimu ya hina.

Hi nga vu yeleti swihoxo swa nkarhi lowu nga hundza.

Vumbiwa ra hina ri hi pfuna ku anaka nya no aka vumundzu ku byo antswa bya vanhu hinkwavo.

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

Kutani, hi ku tirhisa vayimeri va hina lava hi tihlawuleleke vona hi ntshunxekile, hi amukela Vumbiwa leri tanihi nawu lowu kulukumba wa Riphabliki ku endlela—

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

Ku simeka masungulo ya rixaka ra xidemokhirasi leri vekaka swilo erivaleni laha eka rona mfumo wu simekiweke ehenhla ka ku navela ka vanhu naswona vaaka-tiko hinkwavo va sirheleriwile hi ku ringana hi nawu;

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

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

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

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

Xikwembu a xi sirhelele vanhu va hina.

Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.

God seën Suid-Afrika. God bless South Africa.

Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

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

ISBN 978-1-4315-0146-5

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14th Edition



MATEMATIKI HI XITSONGA – Giredi ya 2 Buku ya 2

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Giredi ya **2**

**MATEMATIKI
HI XITSONGA**

Buku ya 2
Tikotara ta
3 na 4

Vito: Tlilasi:



basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

☆ Leswi nga endzeni



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Manana Angie Motshekga, Holobye wa Dyondzo ya Masungulo



Dkd. Reginah Mhaule Xandla xa Holobye wa Dyondzo ya Masungulo

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

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

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

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

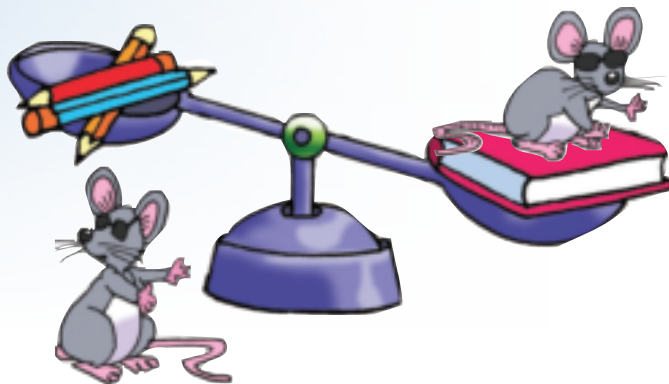
Hi mi navelela ku humelela, wena na vadyondzi va wena eku tirhiseni tibuku leti to tirhela.

Giredi ya 2



M a t e m a t i k i

Buku leyi i ya:



XITSONGA

Buku ya

2

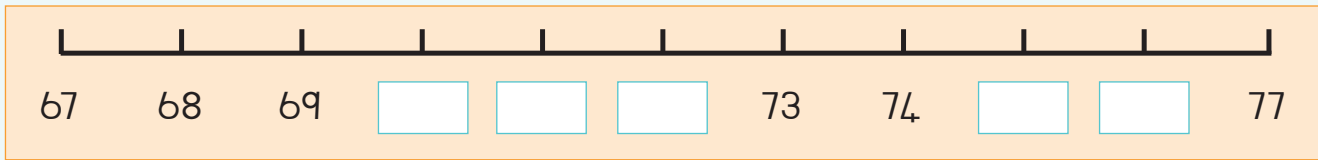
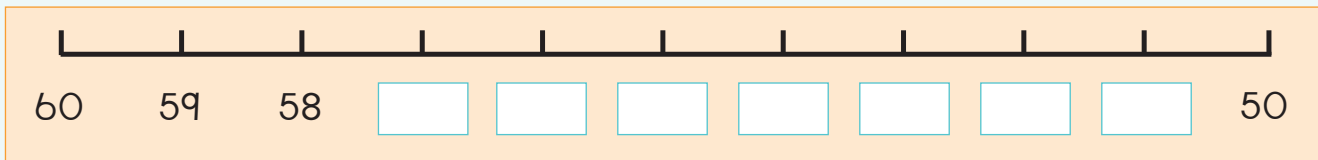
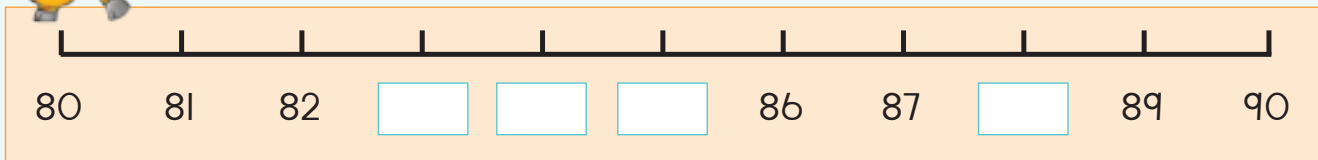


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.

Letitsongo		Nomboro	Letikulu	
		55		
		63		
		88		
		95		
		71		



Hetisa mindzhati leyi ya mintsengo.



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



Teacher: _____

Sign: _____

Date: _____

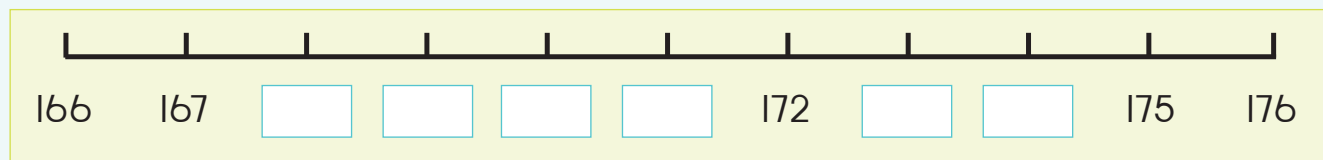
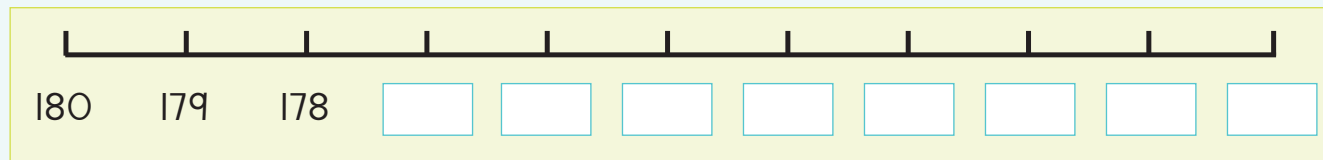
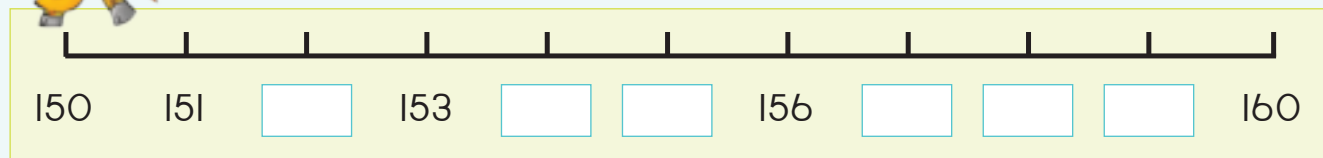


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leji nyikiweke.

Letitsongo		Nomboro	Letikulu	
		123		
		145		
		108		
		141		
		134		



Hetisa mindzhati ya mintsengo.



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



Teacher: _____

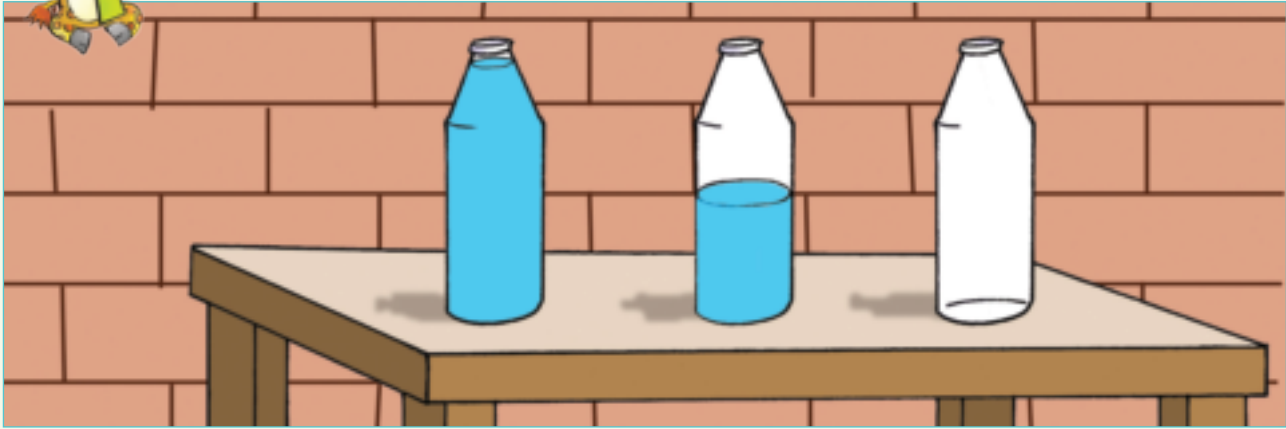
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Date: _____

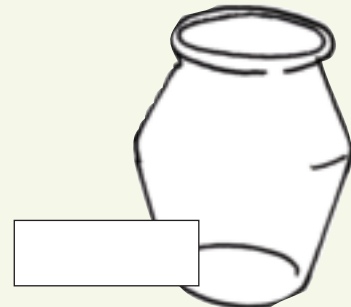
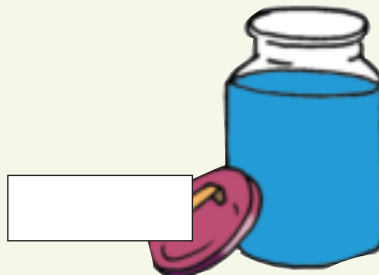
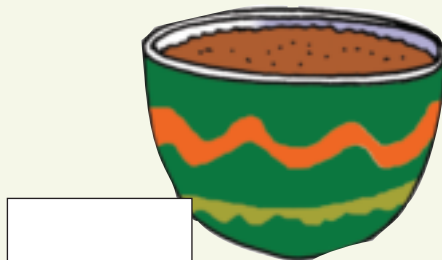
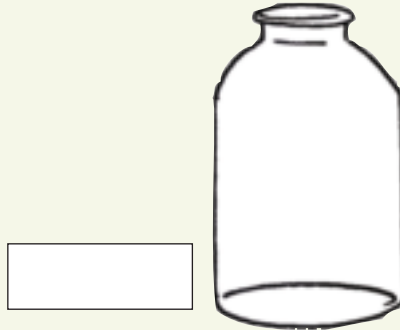
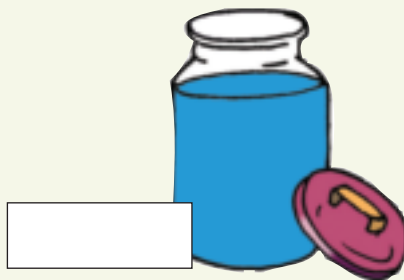
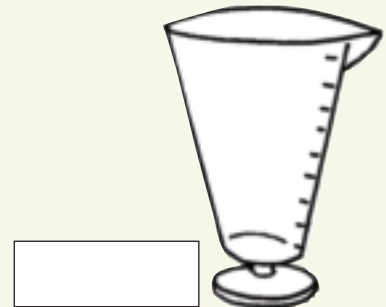
Ku tala, hafu na ku va hava nchumu

Siku:

Bula hi mabodhlela lawa ya nga eka tafula ra mudyondzisi.



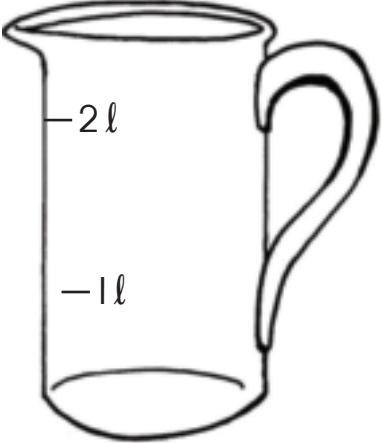
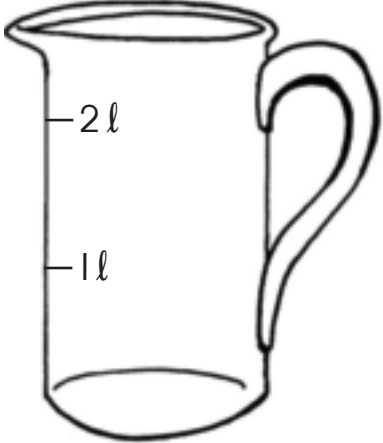
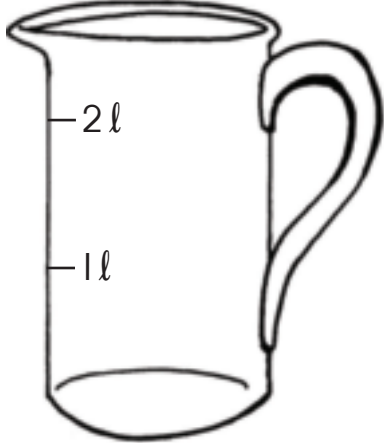
Vula loko xibye xi tele, xi ri hafu kumbe loko xi nga ri na nchumu.





Khalara ku kombisa leswaku ku na swihalaki swo tanihi kwihl 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 xihl xibye lexi khomaka swo tala ngopfu?

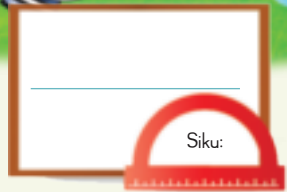


Teacher:

Sign:

Date:

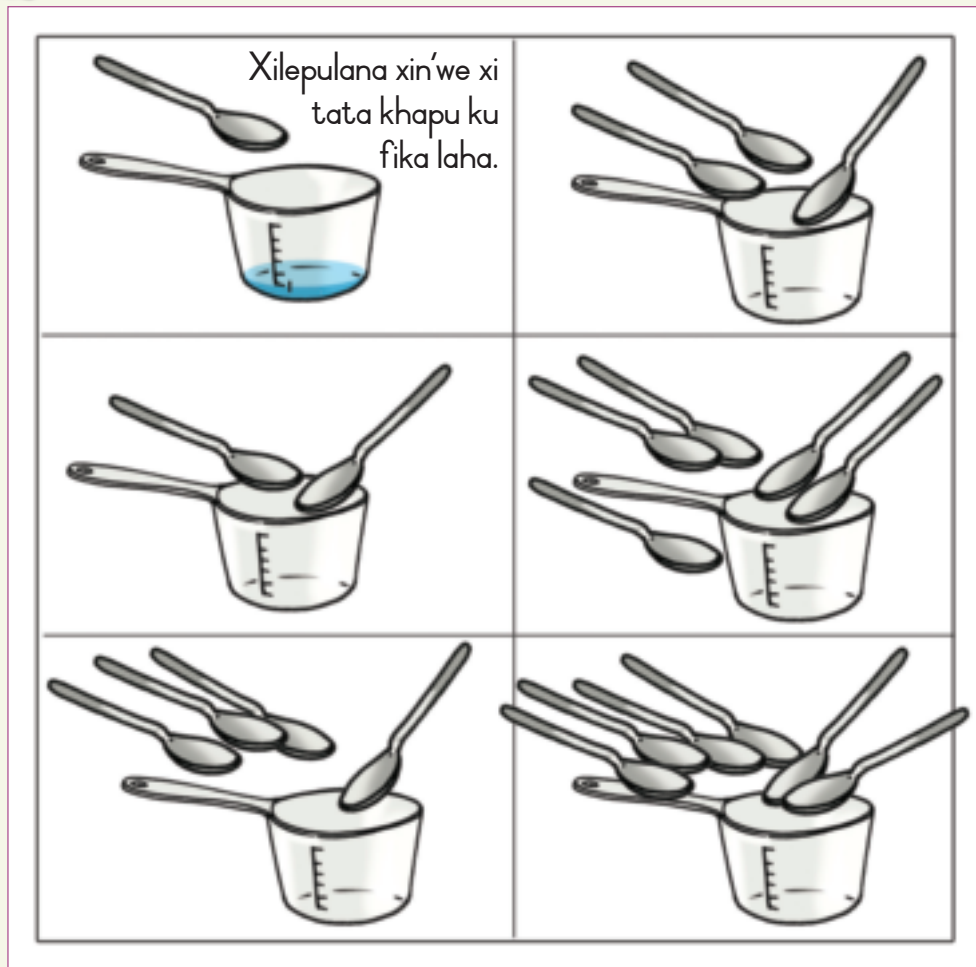
Vuenti byin'wana



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 tanihi kwihi?



Teacher: _____
 Sign: _____
 Date: _____

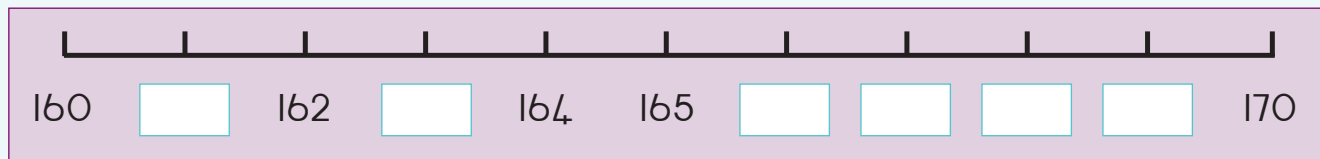
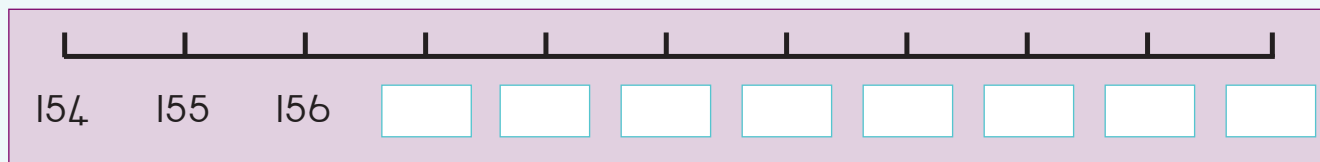
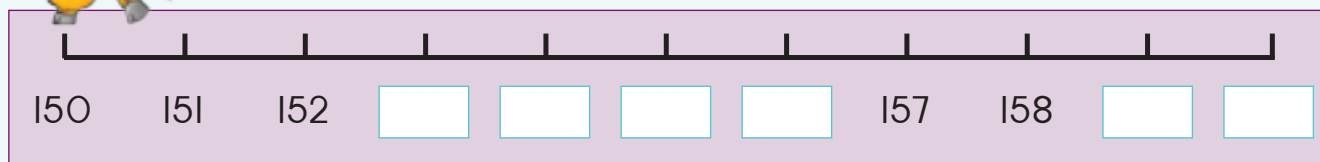


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.

Letitsongo		Nomboro	Letikulu	
		155		
		168		
		151		
		162		
		160		



Hetisa mindzhati ya mintsengo.



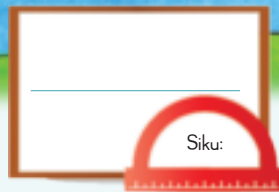
Tsema tinomboro tinharhu ta le xikarhi ka 150 na 170 eka magazini kumbe phephahungu. Ti namarhete hi ndzandzelelano wo suka eka leyikulu swinene ku ya eka leyitsongo swinene.



Teacher: _____

Sign: _____

Date: _____

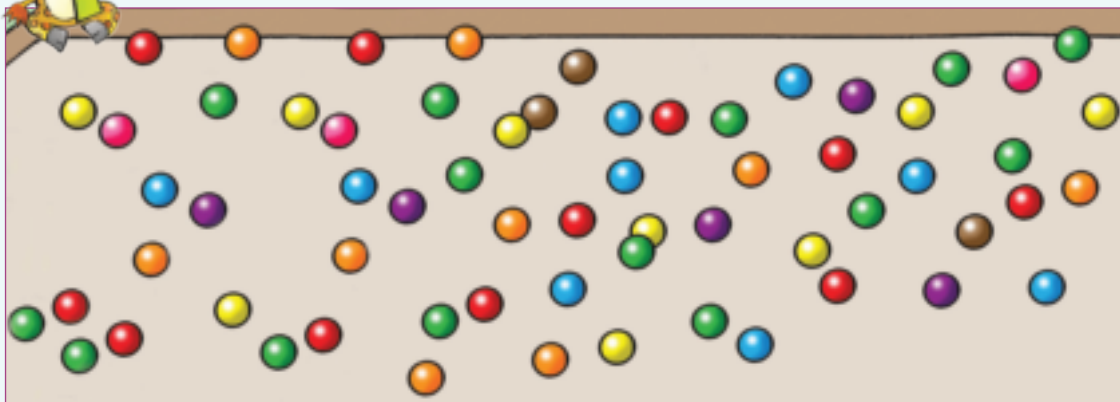


Ku hlayela na ku pimanyeta (0 – 100)

Kotara 3



Pimanyeta kutani u hlayela vuhlalu.

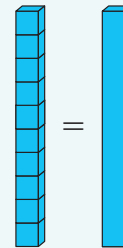


pimanyeta

khakhuleta



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



<p>pimanyeta <input type="text"/></p> <p>khakhuleta <input type="text"/></p>	<p>pimanyeta <input type="text"/></p> <p>khakhuleta <input type="text"/></p>
<p>pimanyeta <input type="text"/></p> <p>khakhuleta <input type="text"/></p>	<p>pimanyeta <input type="text"/></p> <p>khakhuleta <input type="text"/></p>
<p>pimanyeta <input type="text"/></p> <p>khakhuleta <input type="text"/></p>	<p>pimanyeta <input type="text"/></p> <p>khakhuleta <input type="text"/></p>



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



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



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



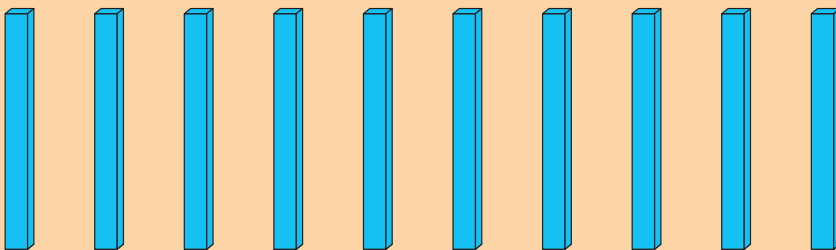
Ku na 100 wa vuhlalu ebokisini. Xana ku tumbetiwe byingani?





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

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





Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20



Switiviwa swin'wana

Siku: _____



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



Blank writing box with a small square box at the bottom right.



Blank writing box with a small square box at the bottom right.



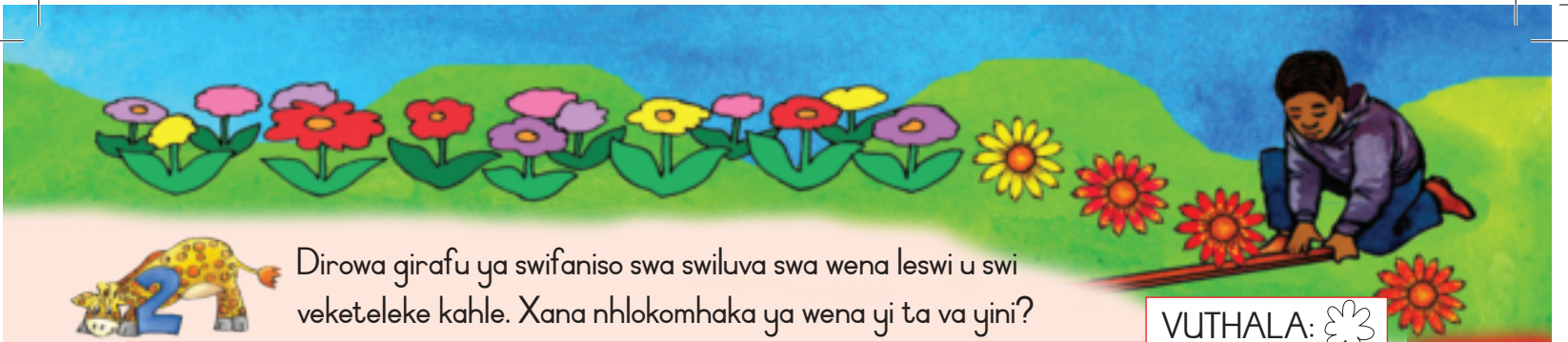
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Blank writing box with a small square box at the bottom right.








Blank writing box with a small square box at the bottom right.



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: _____

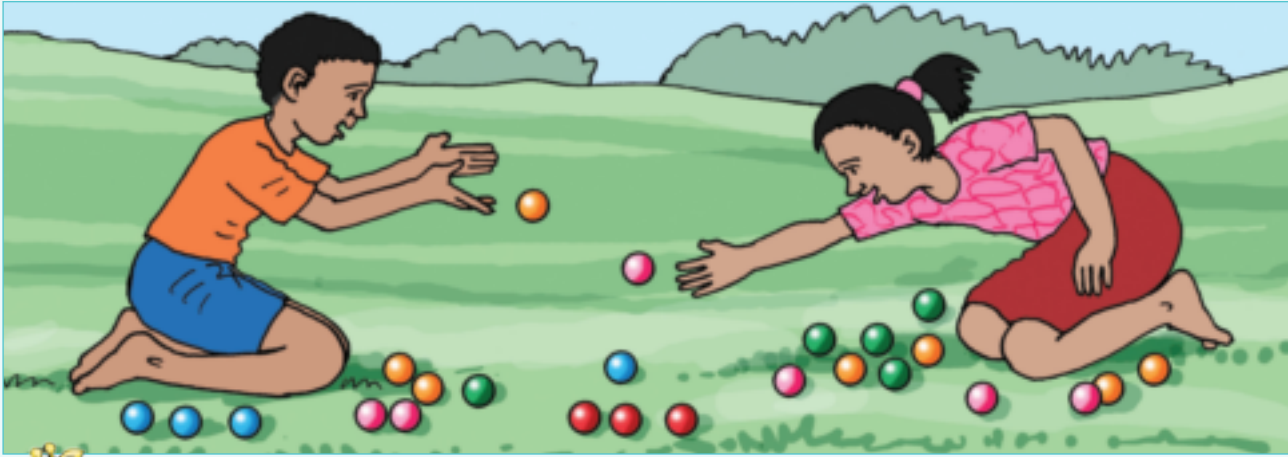
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Date: _____



Ku hlanganisa 0–50

Siku:



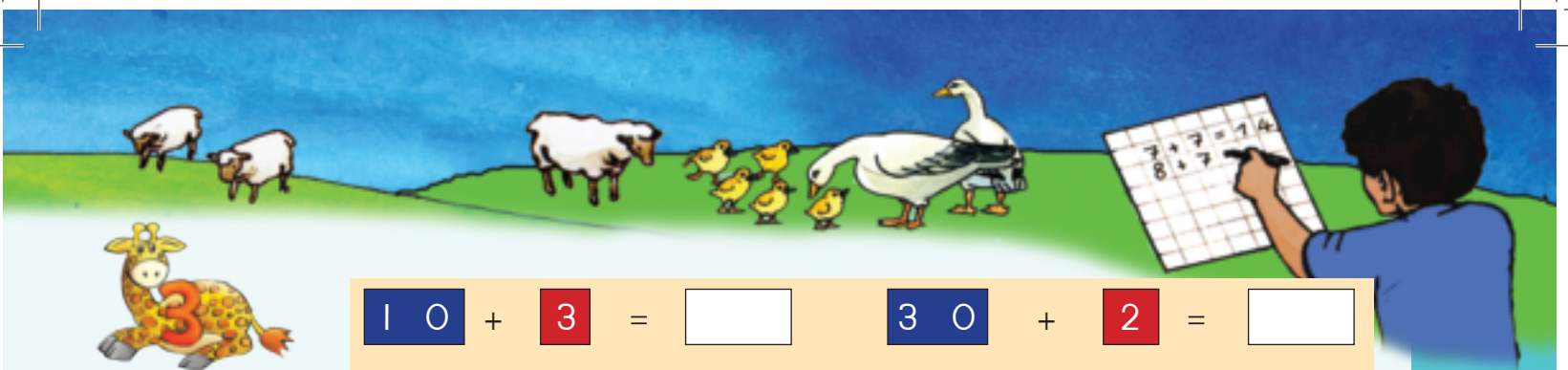
Languta xifaniso kutani u hlanganisa timabulu.

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



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

<table border="1"> <tr><td>2</td></tr> <tr><td>10</td></tr> </table>	2	10	<table border="1"> <tr><td>5</td></tr> <tr><td>20</td></tr> </table>	5	20	<table border="1"> <tr><td>3</td></tr> <tr><td>30</td></tr> </table>	3	30	<table border="1"> <tr><td>7</td></tr> <tr><td>40</td></tr> </table>	7	40
2											
10											
5											
20											
3											
30											
7											
40											
$7 + 40 = 47$	$10 + 2 = 12$	$20 + 3 = 23$	$3 + 40 = 43$								



Hlanganisa.

$$10 + 3 = \square$$

$$30 + 2 = \square$$

$$20 + 5 = \square$$

$$30 + 7 = \square$$

$$40 + 1 = \square$$

$$20 + 6 = \square$$

$$10 + 4 = \square$$

$$40 + 8 = \square$$

$$30 + 9 = \square$$



Hlanganisa.

16 + 13

$$\begin{array}{r} 6 \\ 10 \end{array} + \begin{array}{r} 3 \\ 10 \end{array} = \begin{array}{r} 9 \\ 20 \end{array}$$

$$\square + \square = \square$$

24 + 12

$$\begin{array}{r} 4 \\ 20 \end{array} + \begin{array}{r} 2 \\ 10 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

$$\square + \square = \square$$

37 + 11

$$\begin{array}{r} 7 \\ 30 \end{array} + \begin{array}{r} 1 \\ 10 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

$$\square + \square = \square$$

25 + 23

$$\begin{array}{r} 5 \\ 20 \end{array} + \begin{array}{r} 3 \\ 20 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

$$\square + \square = \square$$

36 + 12

$$\begin{array}{r} 6 \\ 30 \end{array} + \begin{array}{r} 2 \\ 10 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

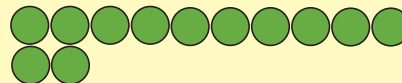
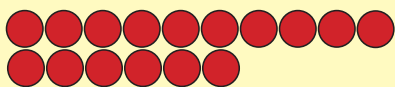
$$\square + \square = \square$$

28 + 21

$$\begin{array}{r} 8 \\ 20 \end{array} + \begin{array}{r} 1 \\ 20 \end{array} = \begin{array}{r} \square \\ \square \end{array}$$

$$\square + \square = \square$$

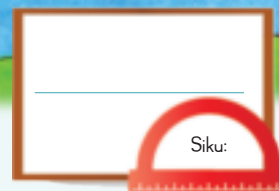
Lisa u na 16 wa swihlayelo kasi Aakar u na 12.



Xana ntsengo wa swona hinkwaswo i yini?



Teacher: _____
Sign: _____
Date: _____



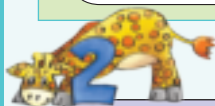
Ku hlanganisa 0 – 75

Kotara 3



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

$\begin{matrix} 1 & 10 \\ 5 & 10 \end{matrix}$	$\begin{matrix} 6 & 20 \\ 2 & 10 \end{matrix}$	$\begin{matrix} 3 & 20 \\ 5 & 30 \end{matrix}$	$\begin{matrix} 4 & 40 \\ 4 & 30 \end{matrix}$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



Hlanganisa.

$12 + 11$

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

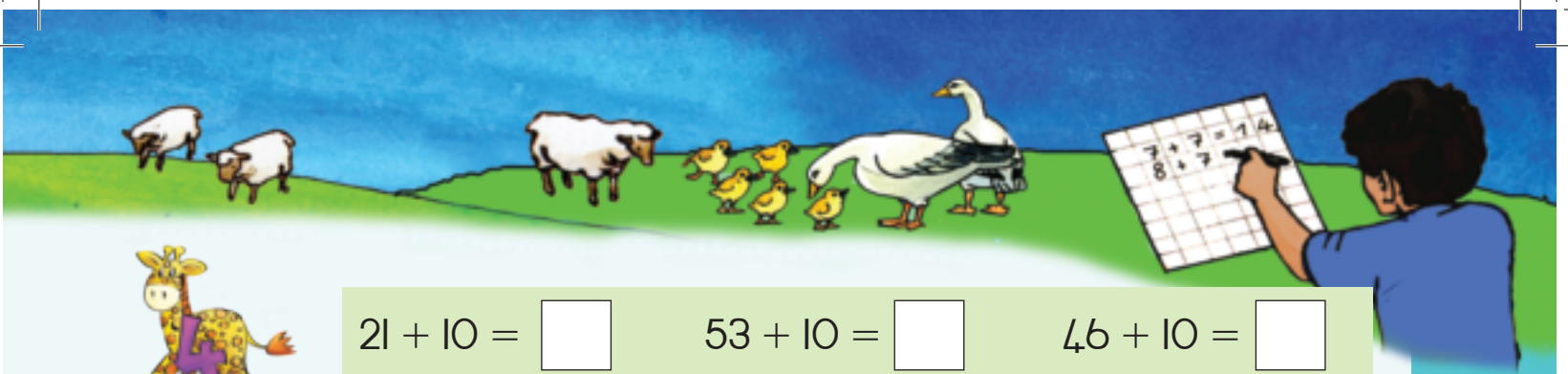
$23 + 41$

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



Hetisa.

28	+	11	=	28	+	10	+	1	=	38	+	1	=	39
34	+	12	=	34	+	10	+	2	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
43	+	23	=	43	+	20	+	3	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
45	+	23	=	45	+	20	+	3	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
56	+	11	=	56	+	10	+	1	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>



Hlanganisa.

$21 + 10 = \square$	$53 + 10 = \square$	$46 + 10 = \square$
$68 + 10 = \square$	$37 + 10 = \square$	$42 + 10 = \square$
$74 + 10 = \square$	$19 + 10 = \square$	$55 + 10 = \square$



Ntsengo wa 47 na 6 i
 Dirowa xifaniso u kombisa nhlamulo ya wena.



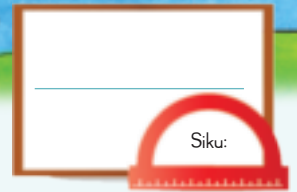
Endla nhlayo ya wena ya marito hi ku tirhisa swifaniso.



Teacher: _____

Sign: _____

Date: _____



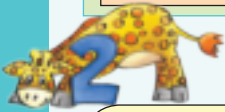
Ku hlanganisa no susa: 0–75

Kotara 3



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

$7 + 40 = 47$	$60 + 9 = 69$	$50 + 5 = 55$	$4 + 70 = 74$



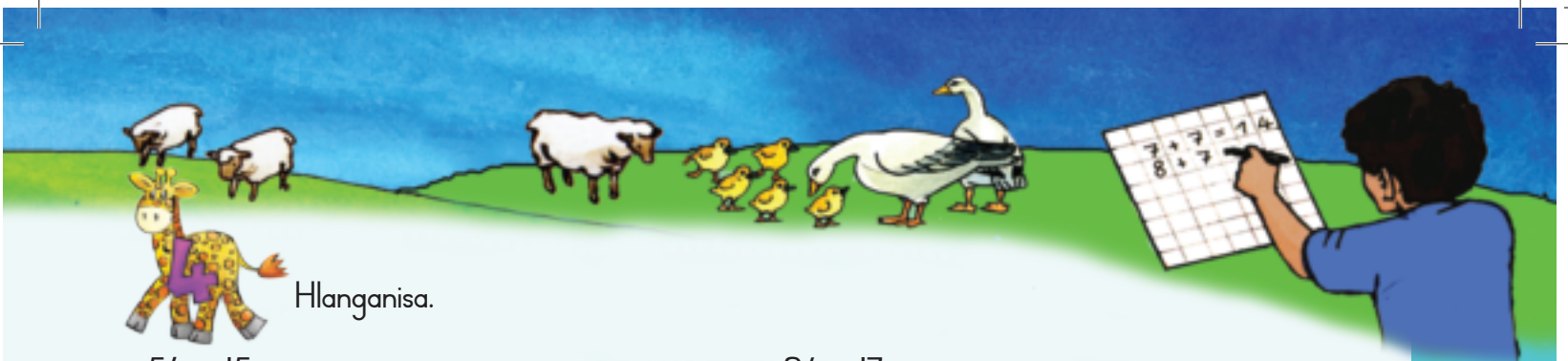
Tsala nhlayo ya leswi landzelaka kutani u tata tinhlamulo.

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



Hlanganisa.

$60 + 4 =$	$30 + 2 =$
$40 + 9 =$	$50 + 4 =$
$20 + 8 =$	$10 + 7 =$
$70 + 5 =$	$70 + 8 =$
$50 + 6 =$	



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.



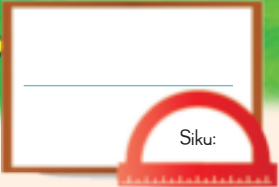
Xana ntsengo i yini? _____



Teacher: _____

Sign: _____

Date: _____



Tibolo, mabokisi na tisilindara



Xana wa ha
tsundzuka
swivumbeko swa
swilo leswi?

Marito lama ma nga ku pfuna:

- mabokisi
- tibolo
- tisilindara

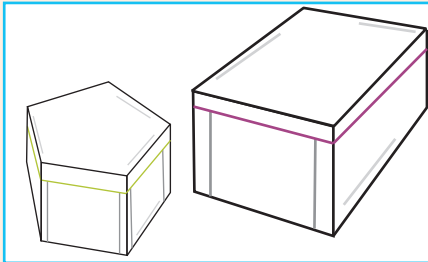


Kombisa tibolo, mabokisi na tisilindara hi ku tsala rito ehansi ka xin'wana na xin'wana.

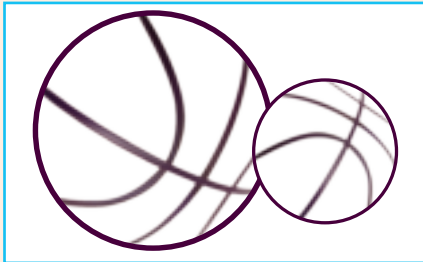
			
			
			



Khalara swilo leswitsongo hi muhlovo wa wasi.



mabokisi



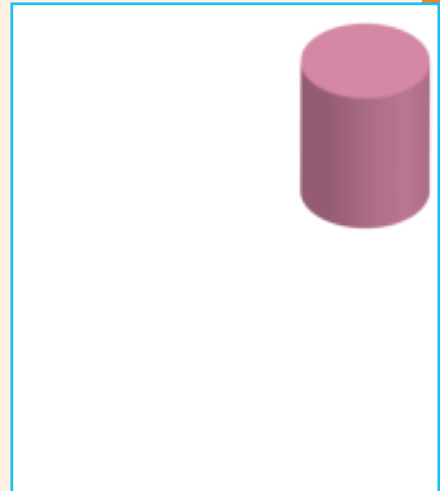
tibolo



tisilindara



Dirowa xilo lexikulunyana.



U lava ku ngehenisa 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?

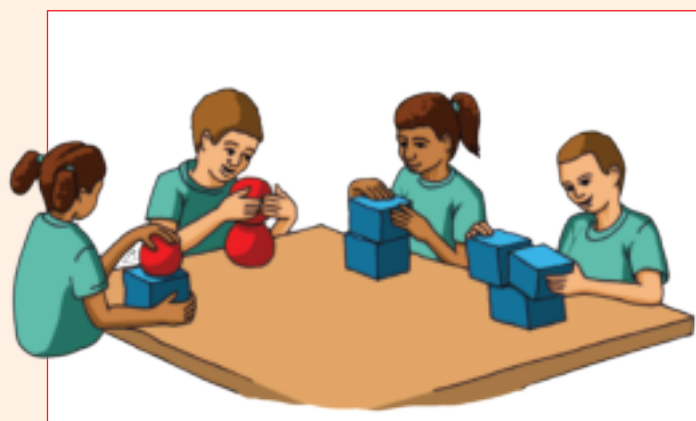


Teacher: _____
 Sign: _____
 Date: _____



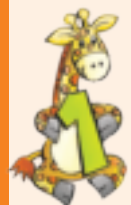
Siku:

Rhetisa, khunguluxa no aka hi swilo swa 3 wa matlhelo

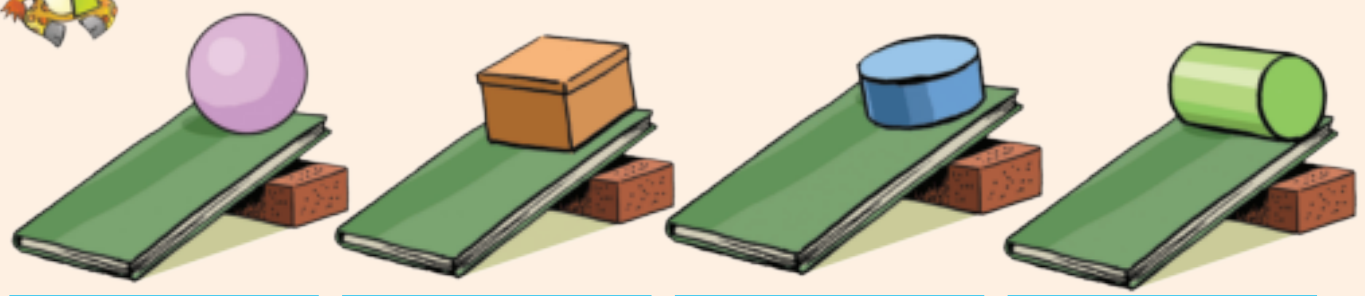


Mudyondzisi wa wena u ta endla nghingiriko lowu leswaku u kota ku vona loko leswi landzelaka swi ta kota ku balansa:

- 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.



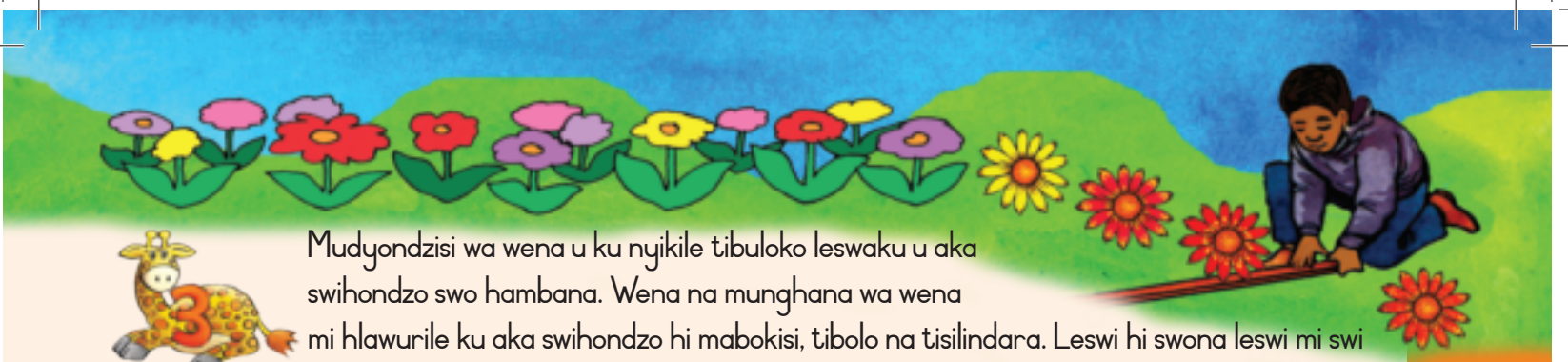
Four empty rectangular boxes for labeling the objects above.



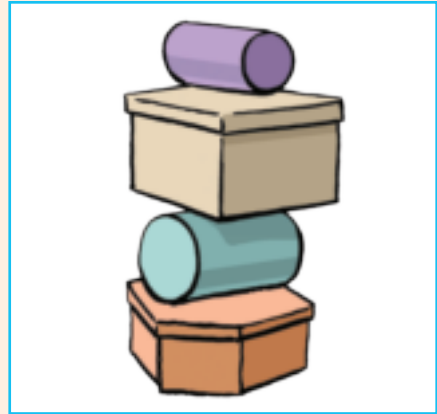
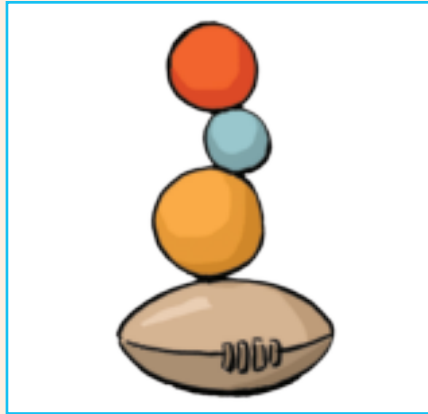
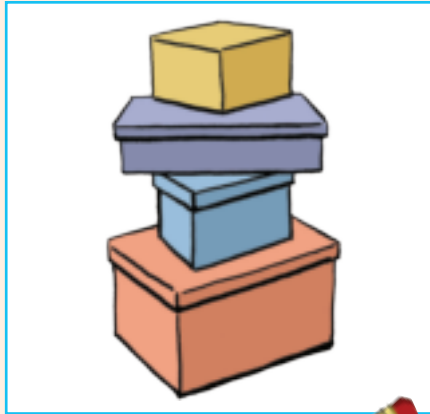
Kuma swifaniso swa swilo eka timagazini leswi swi khungulukaka kumbe leswi rhetaka kutani u swi damarheta laha.

khunguluka

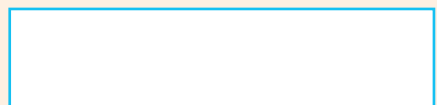
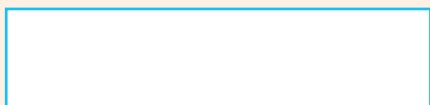
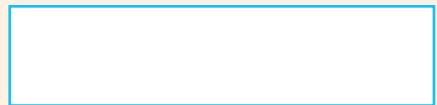
rheta



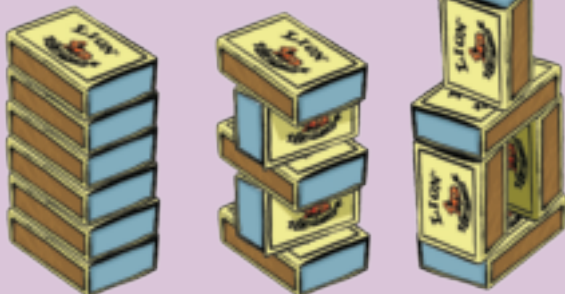
Mudyondzisi wa wena u ku nyikile tibuloko leswaku u aka swihondzo swo hambana. Wena na munghana wa wena mi hlawurile ku aka swihondzo hi mabokisi, tibolo na tisilindara. Leswi hi swona leswi mi swi akeke kumbe leswi mi ringeteke ku swi aka. Vula loko swi kotekile kumbe loko swi tsandzile.



Leswi swi ta tirha



Hi leswi swihondzo swa mabokisi ya menci.



U fanele ku va na:

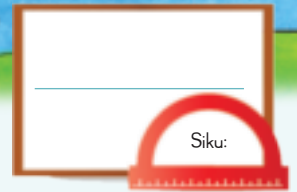
Mabokisi ya menci.

Leswi faneleke ku endliwa:

Sweswi ringeta ku aka xihondzo xa mabokisi ya menci xi ya ehenhla ku ya hilaha u nga swi kotaka hakona handle ko tirhisa xidamarheti.



Teacher: _____
 Sign: _____
 Date: _____




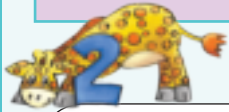
Ku hlanganisa no susa kun'wana 0–75

Kotara 3



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

	<table border="1"> <tr><td>50</td></tr> <tr><td>20</td></tr> <tr><td>3</td></tr> </table>	50	20	3	<table border="1"> <tr><td>50</td></tr> <tr><td>10</td></tr> <tr><td>2</td></tr> </table>	50	10	2	<table border="1"> <tr><td>40</td></tr> <tr><td>10</td></tr> <tr><td>3</td></tr> </table>	40	10	3	<table border="1"> <tr><td>30</td></tr> <tr><td>20</td></tr> <tr><td>1</td></tr> </table>	30	20	1
50																
20																
3																
50																
10																
2																
40																
10																
3																
30																
20																
1																



Hlanganisa u tirhisa maendlele ya wena.

$$52 + 21$$

$$43 + 28$$



Hetisa.

$$28 + 31 = 28 + 30 + 1 = 58 + 1 = 59$$

$$45 + 32 = 45 + 30 + 2 = \square + \square = \square$$

$$52 + 14 + 52 + 10 + 4 = \square + \square = \square$$



Hlanganisa.

$$41 + 10 = \square$$

$$44 + 10 = \square$$

$$71 + 10 = \square$$

Ntsengo wa 36 na 24 i _____.
Dirowa xifaniso u kombisa nhlamulo ya wena.



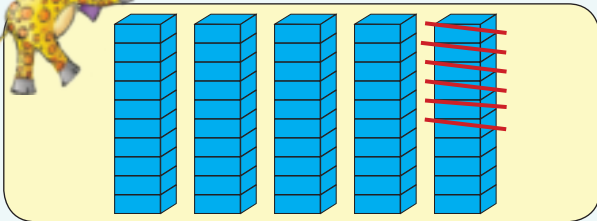


Susa tinomboro ta le ka bokisi ra le hansi ku suka eka tinomboro ta bokisi ra le henhla.

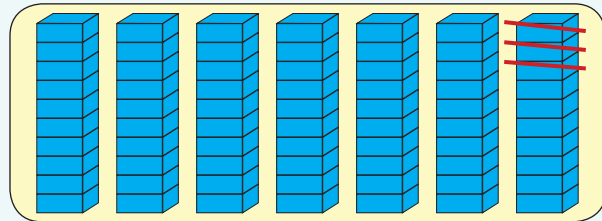
$5 \text{ } 70$	$2 \text{ } 60$	$7 \text{ } 50$	$9 \text{ } 30$
$3 \text{ } 40$	$1 \text{ } 20$	$6 \text{ } 10$	$5 \text{ } 10$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



Tsala nhlayo ya leswi landzelaka.



$$\square - \square = \square$$



$$\square - \square = \square$$



Susa:

$$65 - 23$$

$$72 - 29$$



Susa.

$$61 - 10 = \square$$

$$42 - 10 = \square$$

$$37 - 10 = \square$$



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

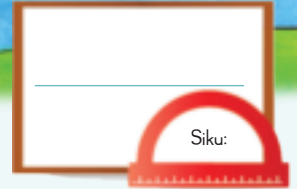


Xana ku sale timabulu tingani? _____

Teacher:

Sign:

Date:

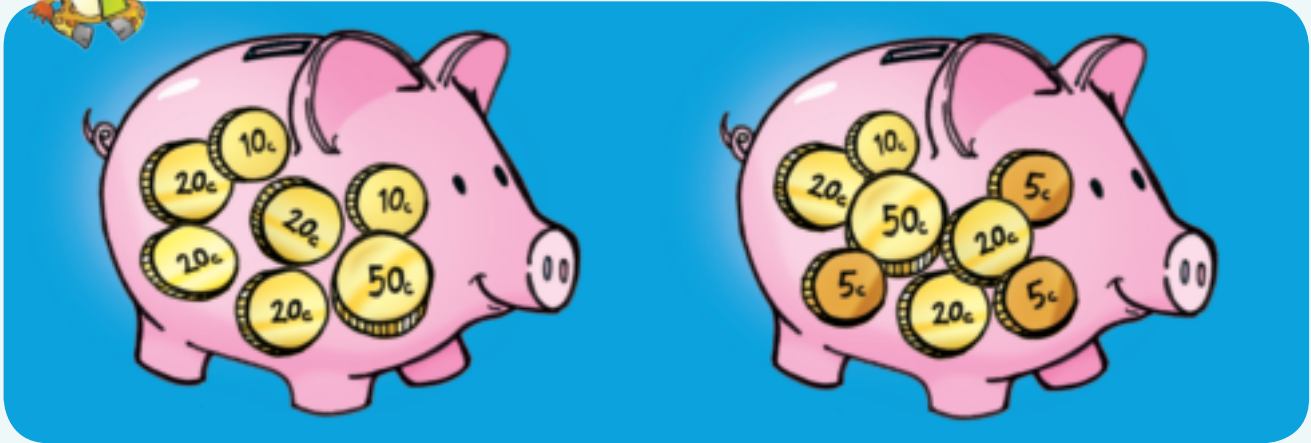


Mali yin'wana

Kotara 3



Xana ku na yini ebangi ya mina ya xingulubyana?

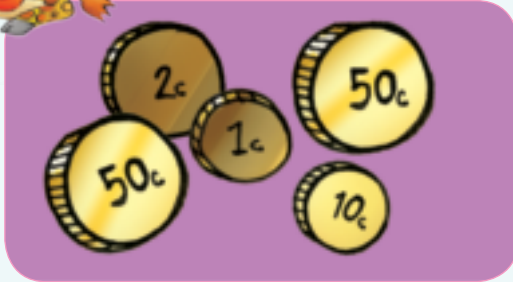


Tirhisa swingwece swo huma eka Xitsemiwa xa 3 kutani u namarheta mintsengo leji faneleke laha.



Xana ku na tisente tingani?















Tinhlayo ta marito:

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

Dirowa xifaniso u kombisa nhlamulo ya wena.

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

Xana ndzi sale na mali muni?

Dirowa xifaniso u kombisa nhlamulo ya wena.



Teacher: _____
Sign: _____
Date: _____



Siku:

Mali ya phepha yin'wana

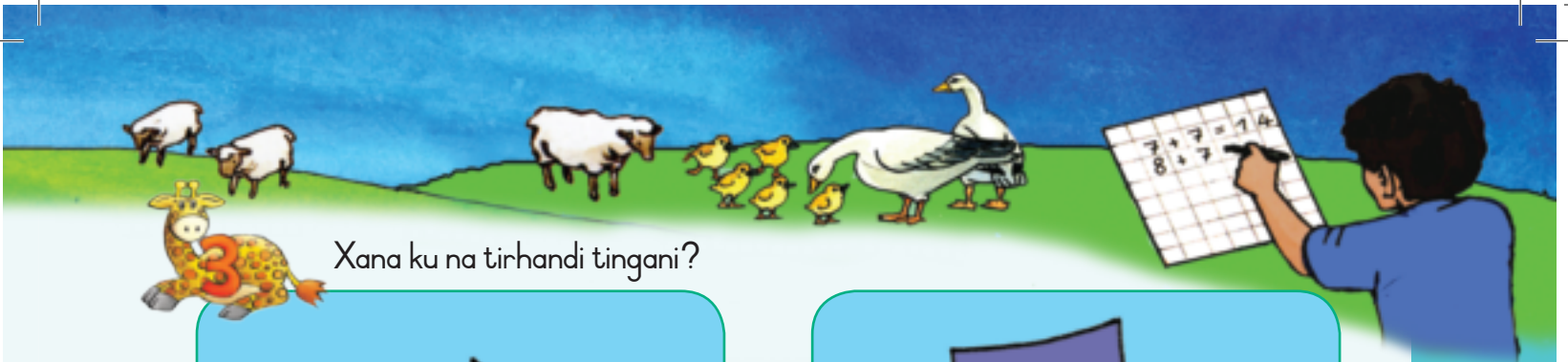


Xana ku na mali muni exipacini xa mina?

Kotara 3



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



Xana ku na tirhandi tingani?



Tinhlayo ta marito:

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

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



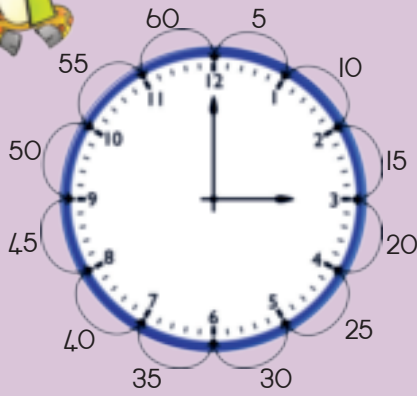
Teacher: _____
 Sign: _____
 Date: _____

Tipatironi ta nkarhi

Siku:



Bula hi wachi.



Wachi yi kombeta nkarhi.

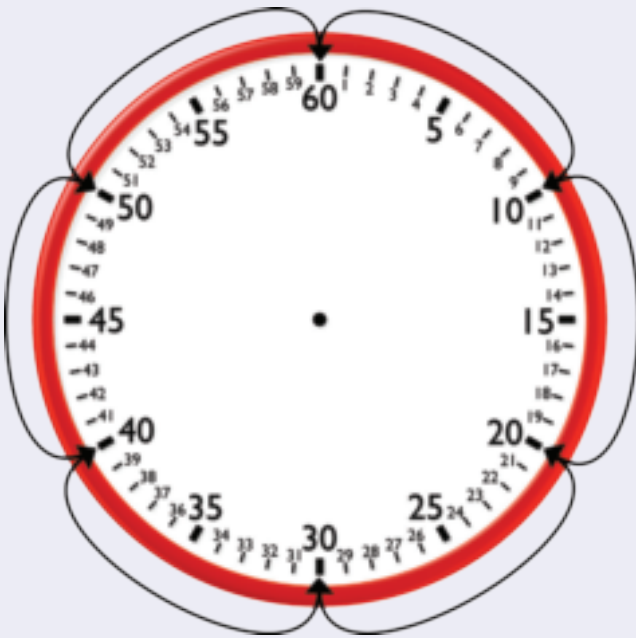
Rimhondzo ro koma ri hi kombeta tiawara.

Rimhondzo ro leha ri hi kombeta timinete.

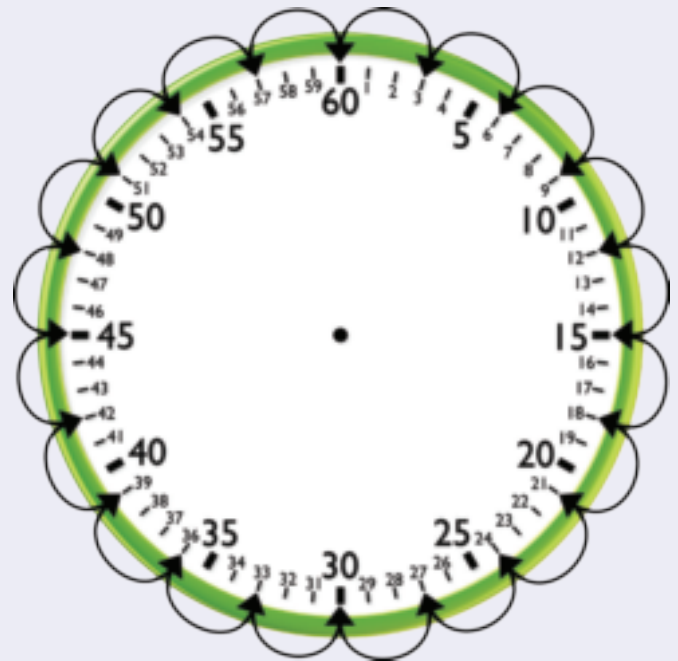
Laha hi hlayela timinete hi vuntlhanu



Hi 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-2 u sungula eka 3.



Hlayela hi vu-10 u sungula eka 1.



Hlayela hi vu-5 u sungula eka 2.



Xana u ya exikolweni hi nkarhi muni?



Xana u ya ekaya hi nkarhi muni?



Xana u dya swakudya swa madyambu hi nkarhi muni?



Teacher: _____
 Sign: _____
 Date: _____

Tiawara na timinete

Siku:



Bula hi wachi.



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

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

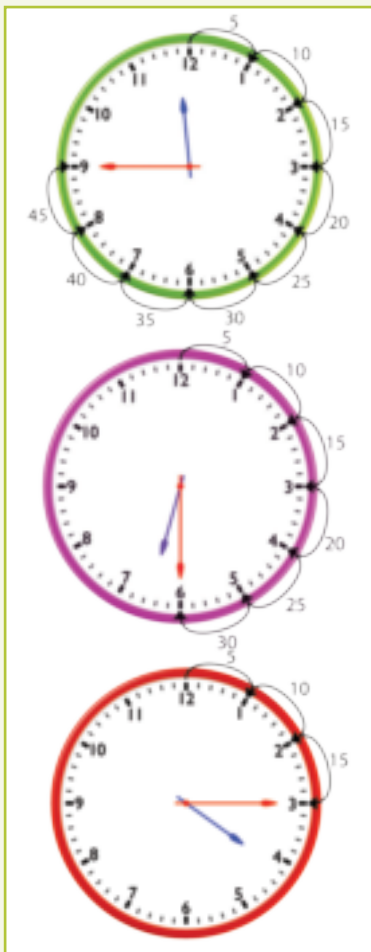
Hi ri i kotara ku bile awara ya nharhu

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

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



Xana i nkarhi muni?



Rimhondzo ro koma ri hi komba _____.

Rimhondzo ro leha ri hi komba _____.

Hi ri i _____.

Rimhondzo ro koma ri hi komba _____.

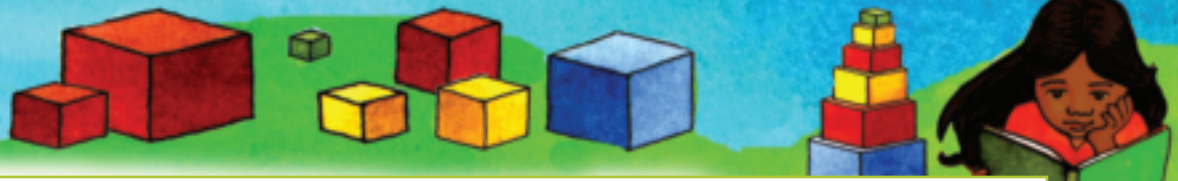
Rimhondzo ro leha ri hi komba _____.

Hi ri i _____.

Rimhondzo ro koma ri hi komba _____.

Rimhondzo ro leha ri hi komba _____.

Hi ri i _____.



Rimhondzo ro koma ri hi komba _____.

Rimhondzo ro leha ri hi komba _____.

Hi ri i _____.



Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku bile awara ya mbirhi.

Hafu ku bile awara ya kaye.



Awara ya khume ehenhla ka nhloko.

Kotara ku ya eka awara ya ntsevu.



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

Kotara ku bile awara ya nhungu nimpundzu.

Kotara ku bile awara ya nhungu nimadyambu.

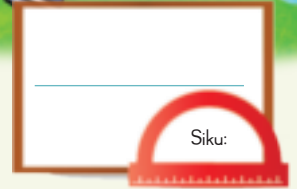


Teacher: _____

Sign: _____

Date: _____

Timinete na tiawara



Bula hi wachi.



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

Rimhondzo lero leha ri yime eka 35 wa timinete.

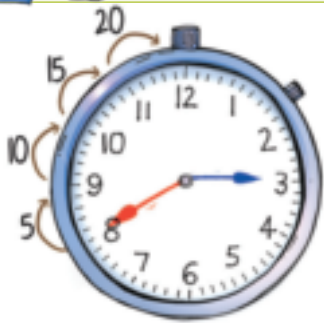
I 25 wa timinete rimhondzo lero leha ri nga si fika eka 12.

Hi ri i makumembirhi ntlhanu 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 _____.



Rimhondzo ro koma ri yime eka _____.

Rimhondzo ro leha ri yime eka _____.

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

Hi ri i _____ ku ya eka _____.



Dirowa rimhondzo ro leha na rimhondzo ro koma ku kombisa:

Ntlhanu wa timinete ku ya eka awara ya **nhungu**.



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



Khumenharhu ku ya eka awara ya **nkombo**.



Makumembirhi wa timinete ku ya eka awara ya **nharhu**.



Khume ra timinete ku ya eka awara ya **ntsevu**.

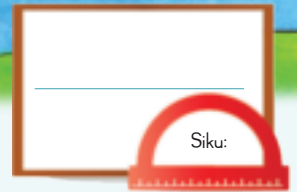


Khumembirhi ku ya eka awara ya **khumembirhi**.



Teacher: _____
 Sign: _____
 Date: _____

11 12 13 14 15 16 17 18 19 20



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
 $5 + 5 + 5 = 15$
 kumbe $3 \times 5 = 15$

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



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 mintlawe ya 2

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

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

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



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____

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



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____

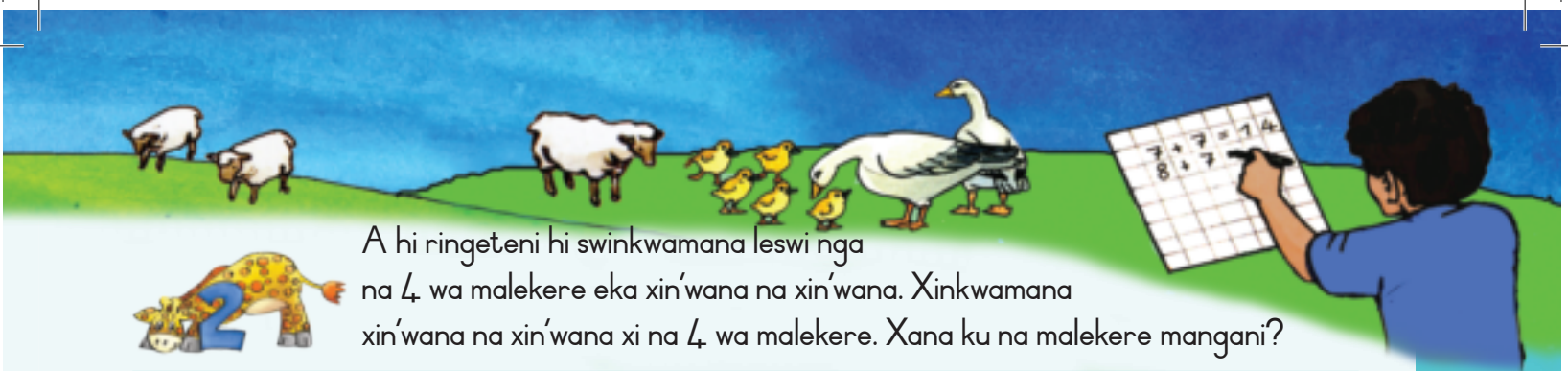
Nkwama wun'wana na wun'wana wu na 2 wa swiwitsi eka wona.



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



A hi ringeteni 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 mintlawwa 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: _____

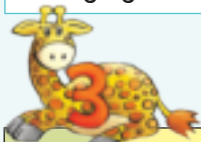
Nhlayo yo andzisa: _____



Xivulwa: _____

Nhlayo yo hlanganisa: _____

Nhlayo yo andzisa: _____



Hetisa tafula ra ku andzisa (menthele).

×	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?



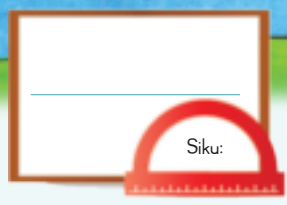
Ndzi na mabokisi ya mune lama nga na makhekhe ya swikhapana ya ntlhanu eka bokisi rin'wana na rin'wana. Xana ku na makhekhe ya swikhapana mangani hinkwawo ka wona?



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




Teacher: _____
Sign: _____
Date: _____

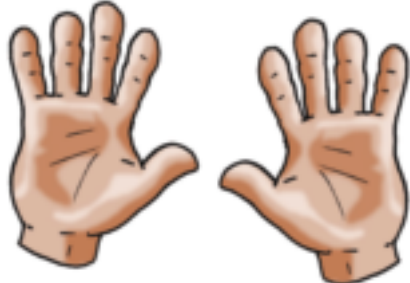


Andzisa hi 5

Kotara 3

Nenge wun'we wu na 5 wa swikunwana. Voko rin'we ri na 5 wa tintiho.








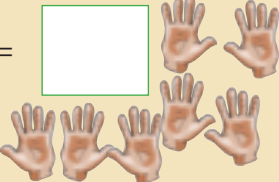


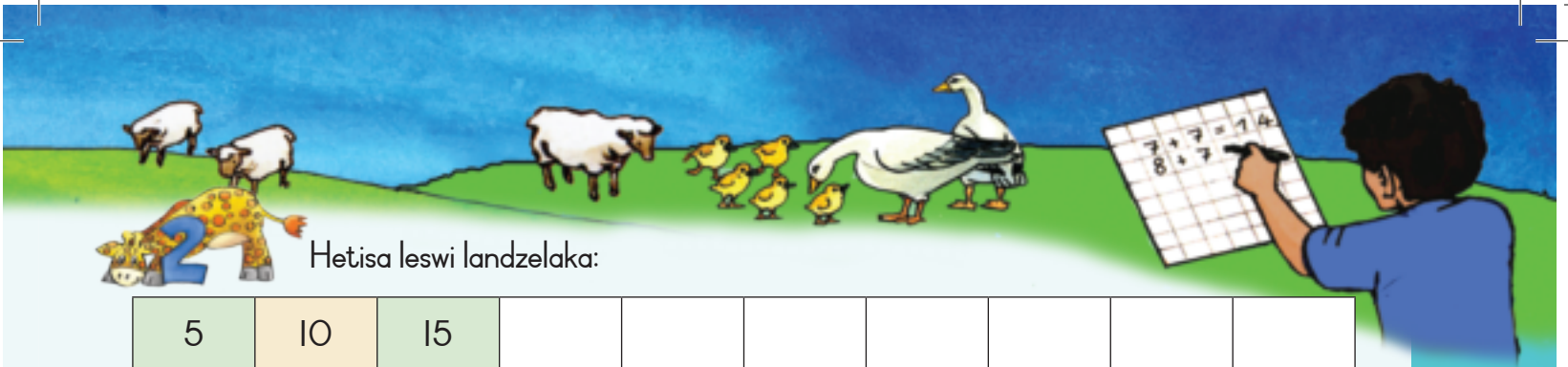


Xana swikunwana hinkwaswo i swingani? Xana tintiho hinkwato i tingani?



Hetisa leswi landzelaka:

	<input style="width: 40px; height: 40px;" type="text"/> × <input style="width: 40px; height: 40px;" type="text"/> = <input style="width: 40px; height: 40px;" type="text"/>		<input style="width: 40px; height: 40px;" type="text"/> × <input style="width: 40px; height: 40px;" type="text"/> = <input style="width: 40px; height: 40px;" type="text"/>
Swikunwana enkondzweni wun'we	Mikondzo	Tintiho evokweni rin'we	Mavoko
	<input style="width: 40px; height: 40px;" type="text"/> × <input style="width: 40px; height: 40px;" type="text"/> = <input style="width: 40px; height: 40px;" type="text"/>		<input style="width: 40px; height: 40px;" type="text"/> × <input style="width: 40px; height: 40px;" type="text"/> = <input style="width: 40px; height: 40px;" type="text"/>
Swikunwana enkondzweni wun'we	Mikondzo	Tintiho evokweni rin'we	Mavoko
	<input style="width: 40px; height: 40px;" type="text"/> × <input style="width: 40px; height: 40px;" type="text"/> = <input style="width: 40px; height: 40px;" type="text"/>		<input style="width: 40px; height: 40px;" type="text"/> × <input style="width: 40px; height: 40px;" type="text"/> = <input style="width: 40px; height: 40px;" type="text"/>
Swikunwana enkondzweni wun'we	Mikondzo	Tintiho evokweni rin'we	Mavoko
	<input style="width: 40px; height: 40px;" type="text"/> × <input style="width: 40px; height: 40px;" type="text"/> = <input style="width: 40px; height: 40px;" type="text"/>		<input style="width: 40px; height: 40px;" type="text"/> × <input style="width: 40px; height: 40px;" type="text"/> = <input style="width: 40px; height: 40px;" type="text"/>
Swikunwana enkondzweni wun'we	Mikondzo	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



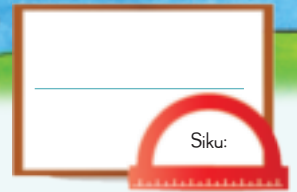
Hetisa leswi landzelaka:

$15 \times 5 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 5$ $= \begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} + \begin{array}{ c } \hline 5 \\ \hline \end{array} \times 5$ $= \begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 5 + \begin{array}{ c } \hline 5 \\ \hline \end{array} \times 5$ $= 50 + 25$ $= 75$	$12 \times 5 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 5$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$
$14 \times 5 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 5$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$	$13 \times 5 = \square$ $\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array} \times 5$ $= \square + \square \times \square$ $= \square \times \square + \square \times \square$ $= \square + \square$ $= \square$

Teacher:

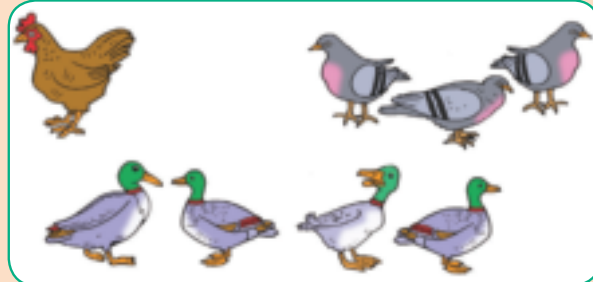
Sign:

Date:



Andzisa hi 2

Tinyenyana hinwato ti na 2 wa milenge.



Tinyenyana hinkwato ti na timpapa ti 2.

Xana xifaniso lexi xi na milenge yingani?

Ku na timpapa tingani exifanisweni lexi?



matuva



Languta xifaniso lexi kutani u hetisa leswi landzelaka:

× =

Nhlayo ya matuva Milenge ya nyenyana yin'we.

× =

Nhlayo ya timpapa ta nyenyana yin'we

masekwa



× =

Nhlayo ya masekwa Milenge ya nyenyana yin'we.

× =

Nhlayo ya timpapa ta nyenyana yin'we



Hetisa leswi landzelaka:

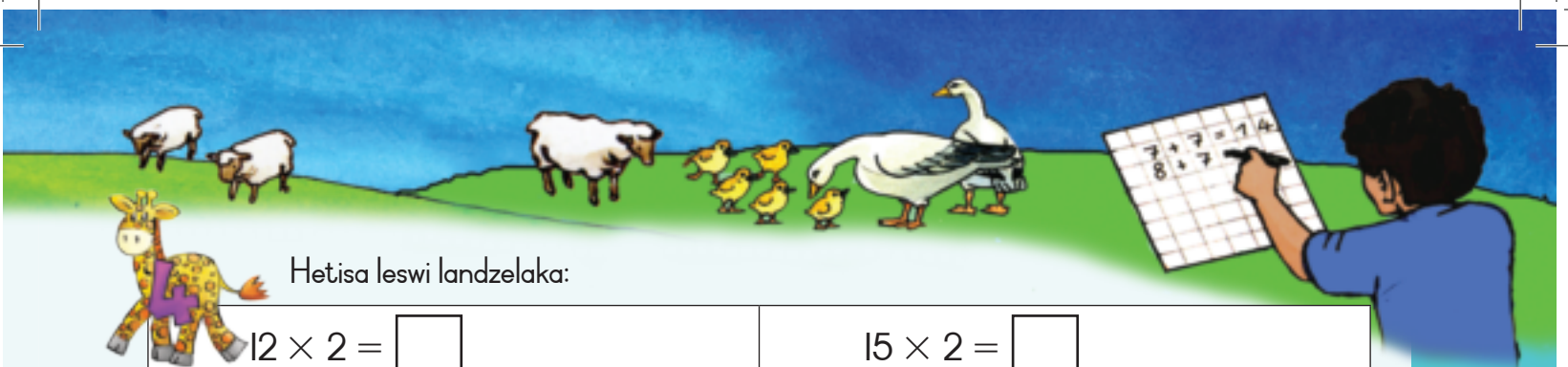
2	4	6							
---	---	---	--	--	--	--	--	--	--

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



Hetisa leswi landzelaka:

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



Hetisa leswi landzelaka:



$$12 \times 2 = \square$$

$$\begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 2$$

$$= \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} + \begin{array}{|c|} \hline 2 \\ \hline \end{array} \times 2$$

$$= \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 2 + \begin{array}{|c|} \hline 2 \\ \hline \end{array} \times 2$$

$$= 20 + 4$$

$$= 24$$

$$15 \times 2 = \square$$

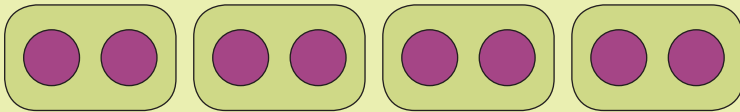
$$\begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 2$$

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

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

$$= \square + \square$$

$$= \square$$



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

kumbe

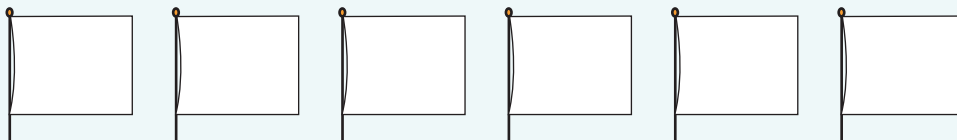
$$4 \times 2 = 8$$

kumbe

$$8 \div 2 = 4$$

Lowu i mfungho wa ku avanyisa.

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



$$2 + _ + _ + _ + _ + _ = _$$

$$_ \times _ = _$$



Ku na tibuloko tingani eka swilebe leswi swa chokoleti?

$$_ \times _ = _$$

$$_ \times _ = _$$



Teacher: _____
Sign: _____
Date: _____

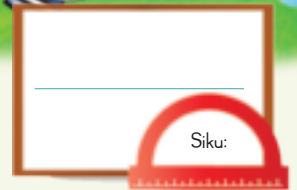


85a



Bula hi wachi.

Ku hundzile kotara



Kotara 3



Rimhondzo ro koma ri hundzile eka n'we.

Rimhondzo ro leha ri yimile eka khumentlhanu wa timinete.

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

Hi vula leswaku i kotara ya awara (15 wa timinete) endzhaku ka awara yo sungula.



Xana i nkarhi muni?



Rimhondzo ro koma ra ha ku hundza _____.

Rimhondzo ro leha ri yime eka _____ wa timinete.

Hi ri i _____ ku bile _____.



Dirowa rimhondzo ro leha na rimhondzo ro koma.

Kotara ku bile 8.

Kotara ku bile 3.



Kotara ku ya eka



Bula hi wachi.



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

Rimhondzo ro leha ri yime eka makumemune ntlhanu wa timinete.

Hi ri i kotara ya timinete (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 timinete.

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: _____

Nkarhi wa hundza

Siku:

2 wa tiawara	2 wa tiawara	1 awara



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



Hlayela tiawara.

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

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

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

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

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



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

Blank space for writing the answer to the word problem.

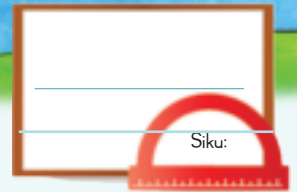


John u yile eku phaseni ka tinhlampfi na tata wakwe. Va sukile hi awara ya 4 nimixo kasi va vuyile hi awara ya 10. Xana va fambile tiawara tingani?

Blank space for writing the answer to the word problem.



Teacher: _____
Sign: _____
Date: _____



Mbirihata

Kotara 3



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



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

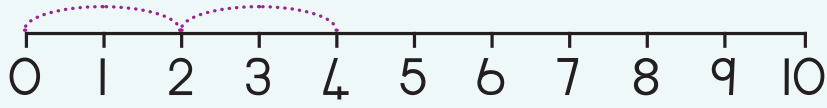
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input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



Tirhisa mindzhati ya mintsengo ku tsala ntsengo.



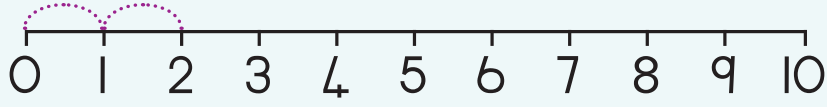
$$\square + \square = \square$$



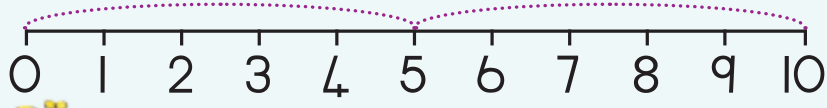
$$\square + \square = \square$$



$$\square + \square = \square$$



$$\square + \square = \square$$



$$\square + \square = \square$$



Vuyelela kambirhi leswi landzelaka:

1 kambirhi

$$\square + \square = \square$$

$$2 \times \square = \square$$

2 kambirhi

$$\square + \square = \square$$

$$2 \times \square = \square$$

3 kambirhi

$$\square + \square = \square$$

$$2 \times \square = \square$$

4 kambirhi

$$\square + \square = \square$$

$$2 \times \square = \square$$

5 kambirhi

$$\square + \square = \square$$

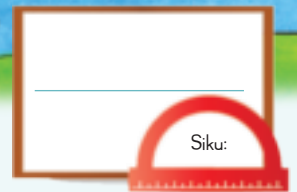
$$2 \times \square = \square$$



2 4 6 8 10 12 14

Teacher: _____
 Sign: _____
 Date: _____





Ku andzisa kambirhi ni ku hafula



Languta swifaniso swimbirhi kutani u endla xitori hi swifaniso leswi.



Hlayela swilo leswi kutani u khalara hafu ya swona.

Hlayela

Hafu i

Hlayela

Hafu i



Hetisa leswi landzelaka kutani u dirowa xifaniso.

12 yi andzisiwa kambirhi i

+



Hetisa.

14	8		16	
		2		9



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

+



Hetisa.

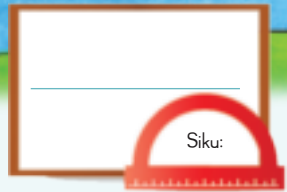
34			36	40
	22	19		



Teacher:

Sign:

Date:



Ku andzisa kun'wana

Swiharhi hinkwaswo swi na 4 wa milenge.

Swiharhi hinkwaswo swi na 2 wa tindleve.



Xana milenge hinkwayo
exifanisweni lexi i yingani?

Xana i tingani tindleve hinkwato
exifanisweni lexi?



Languta xifaniso kutani u hetisa leswi landzelaka:

Mbyana

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

Nhlayo ya timbyana Milenge ya xiharhi xin'we

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

Nhlayo ya timbyana Matihlo ya xiharhi xin'we

Swiharhi swa nhova

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

Nhlayo ya swiharhi Milenge ya xiharhi xin'we

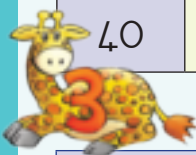
$$\square \times \square = \square$$

Nhlayo ya swiharhi Tindleve ta xiharhi xin'we







Hetisa leswi landzelaka:

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



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

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:

$$14 \times 4 = \square$$

$$\begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 4$$

$$= \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} + \begin{array}{|c|} \hline 4 \\ \hline \end{array} \times 4$$

$$= \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 4 + \begin{array}{|c|} \hline 4 \\ \hline \end{array} \times 4$$

$$= 40 + 16$$

$$= 56$$

$$15 \times 4 = \square$$

$$\begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 4$$

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

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

$$= \square + \square$$

$$= \square$$



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.

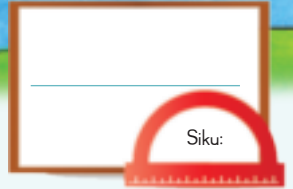
Un'wana na un'wana u kuma Ku sala yini?

Un'wana na un'wana u kuma Ku sala yini?

Teacher:

Sign:

Date:



Tipatironi ta tinomboro

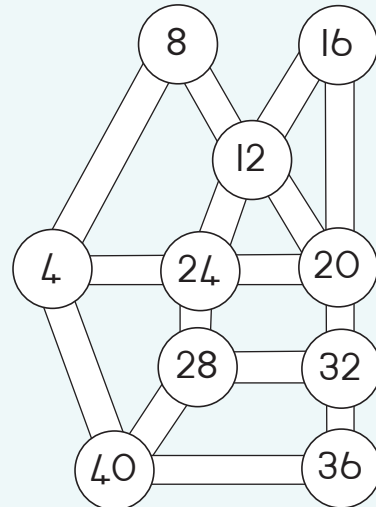
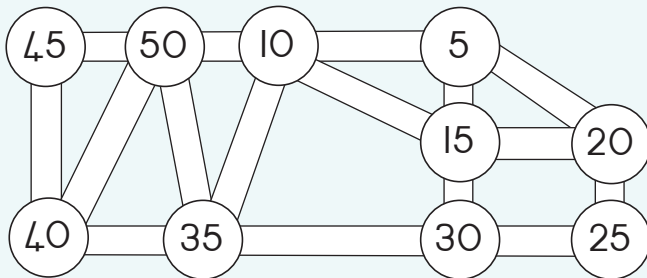
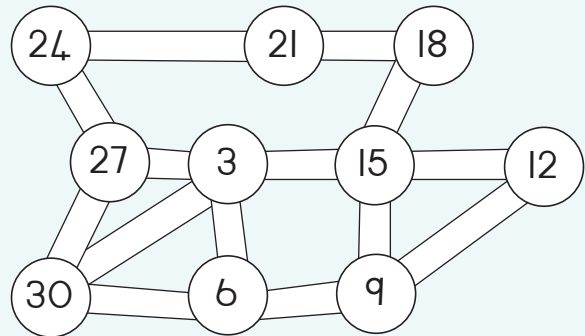
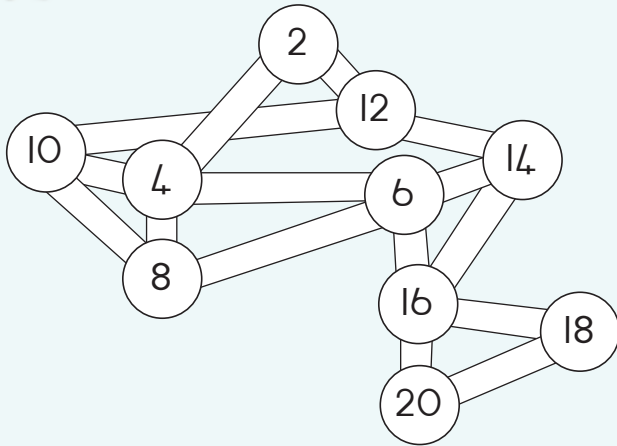


Nomboro leyi landzelaka etlukeni yi ta va yihi?

Kotara 3




























Boxa patironi. Dirowa patu u sungula hi nomboro leyitsongo.





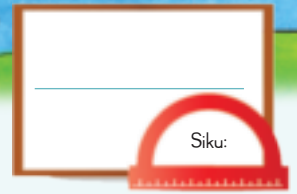
Dirowa timhondzo etiwachini u tlhela u hetisa tipatironi ta minkarhi.

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



Teacher: _____
 Sign: _____
 Date: _____

90

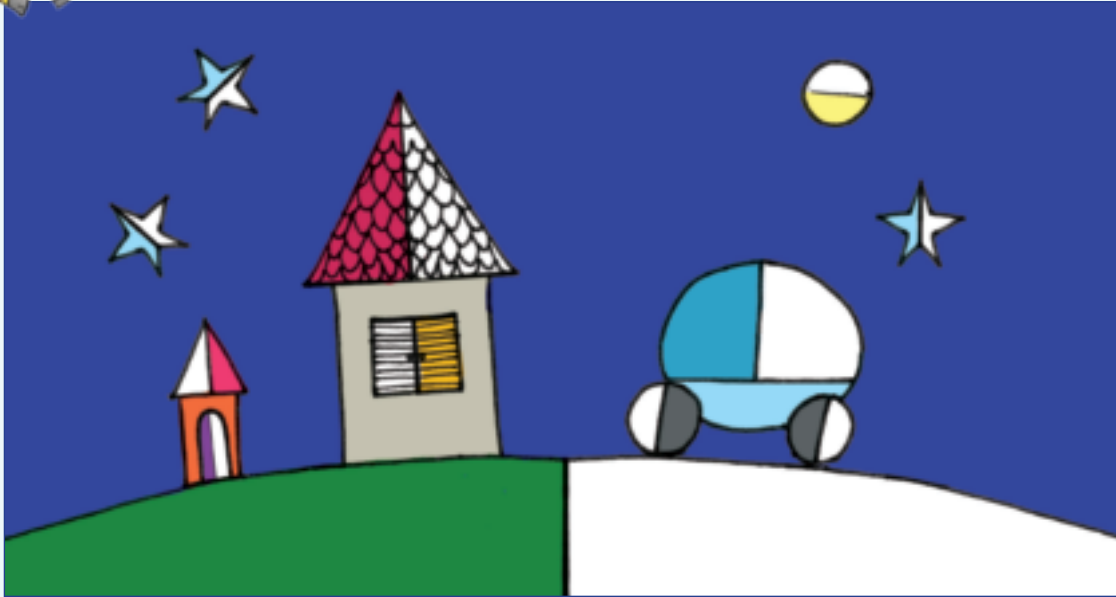


Swiphemu – tihafu

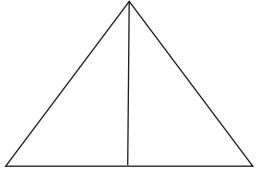
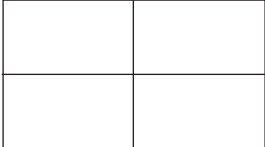
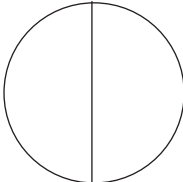
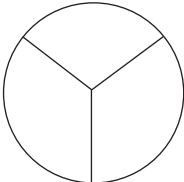


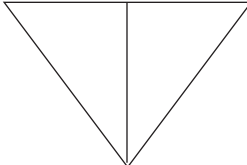
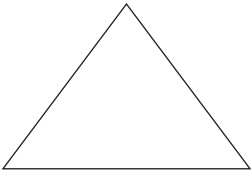
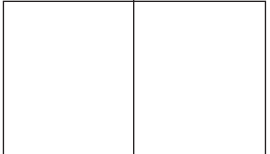
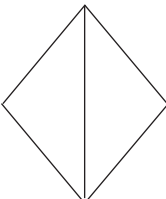
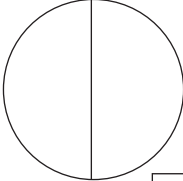



Languta xifaniso. Khalara hafu leyin'wana hi muhlovo lowu fanaka.

Kotara 3



Languta xifaniso. Gwajula swivumbeko leswi kombisaka tihafu. Khalara hafu yin'we ya xivumbeko xin'wana na xin'wana lexi avanyisiweke eka tihafu.


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



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

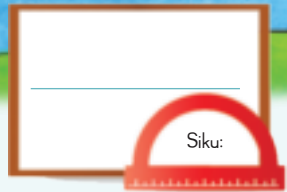


Khalara hafu ya swiharhi eka buloko yin'wana na yin'wana.



hafu hafu hafu

Teacher: _____
 Sign: _____
 Date: _____

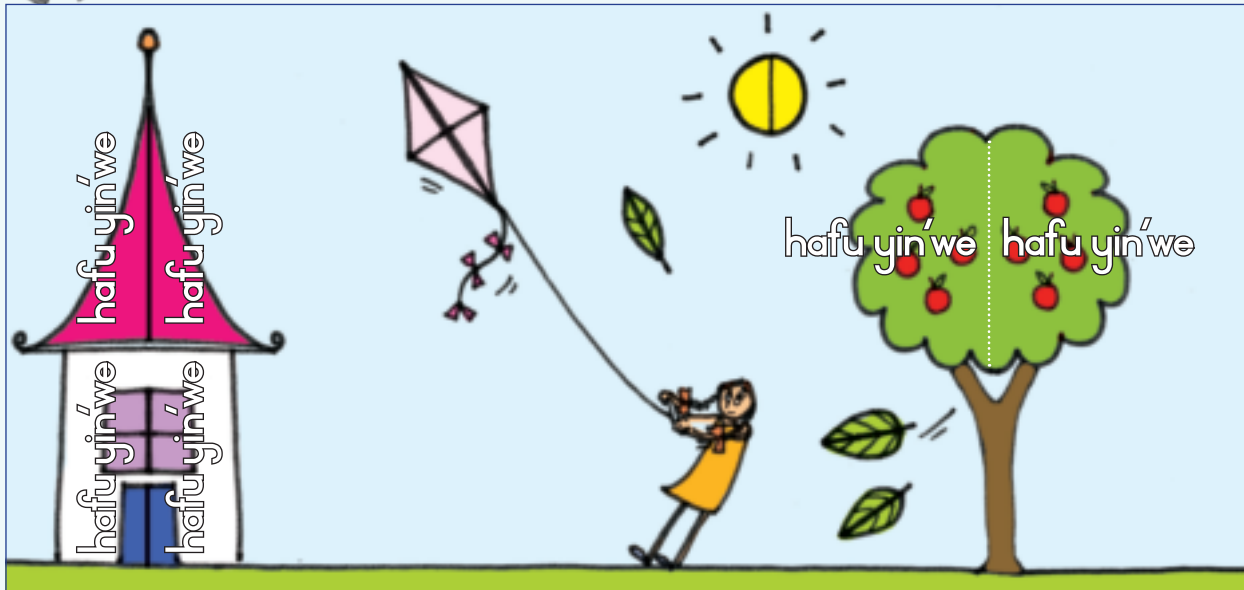


Swiphemu – tihafu tin'wana



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

Kotara 3

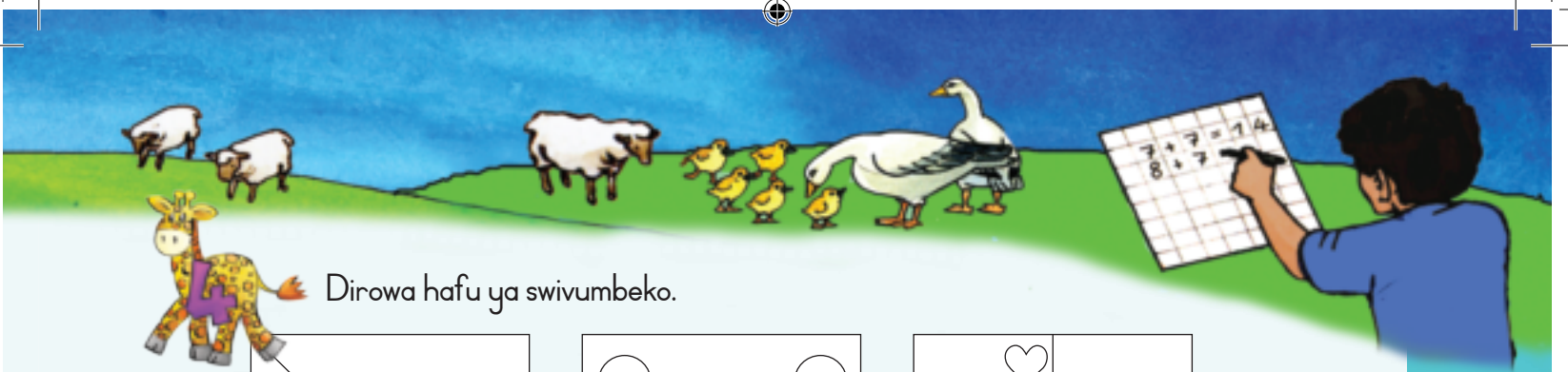


Hafu ya maapula emurhini i .

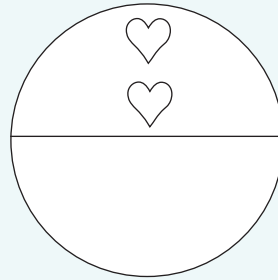
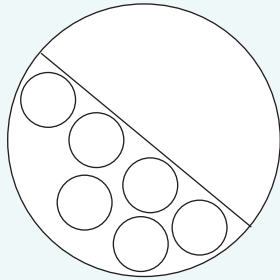
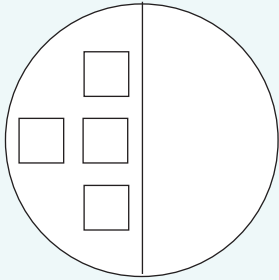
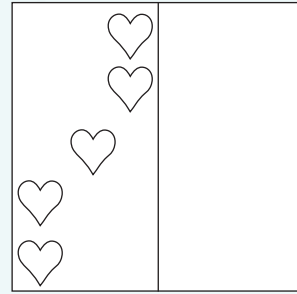
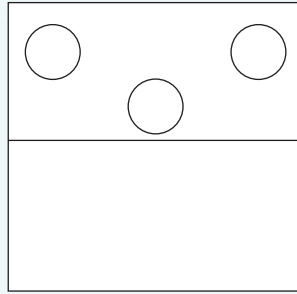
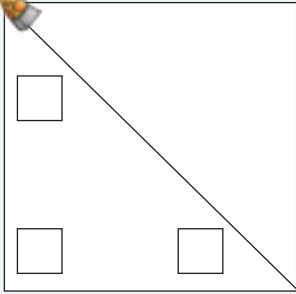


Khalara hafu ya mihandzu eka ntlawa wun'wana na wun'wana.
Xana nomboro ya mihandzu eka ntlawa wun'wana na wun'wana i yini?

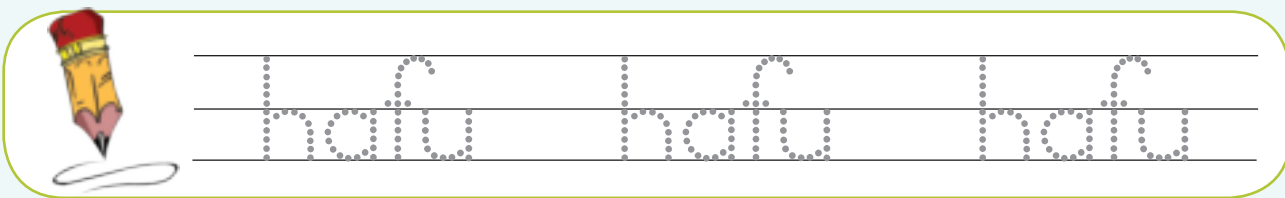
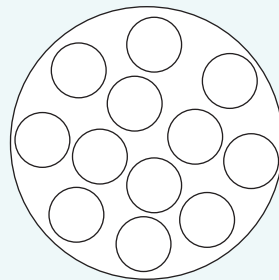
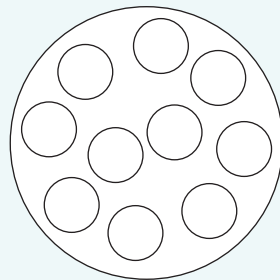
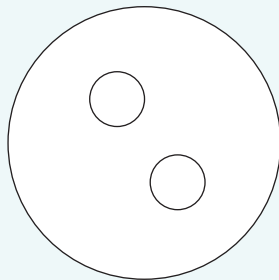
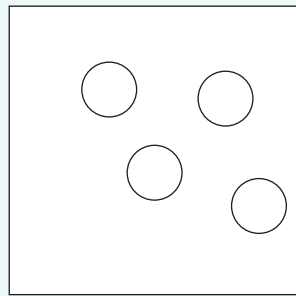
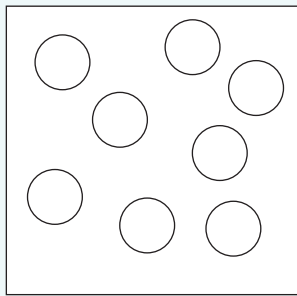
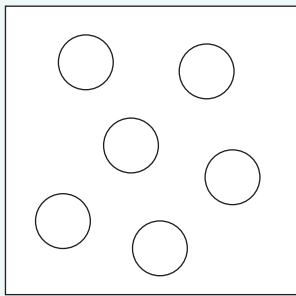
<input type="text"/> 	<input type="text"/> 	<input type="text"/>
<input type="text"/> 	<input type="text"/> 	<input type="text"/>



Dirowa hafu ya swivumbeko.



Khalara hafu ya swivumbeko.



Teacher: _____
 Sign: _____
 Date: _____





Siku: _____

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?

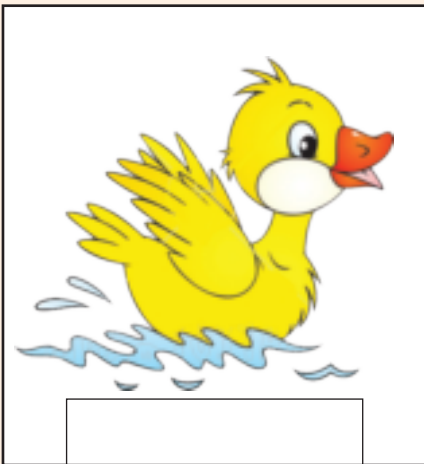


Tsala marito lama eka xifaniso. Xana munhu u vona yini?

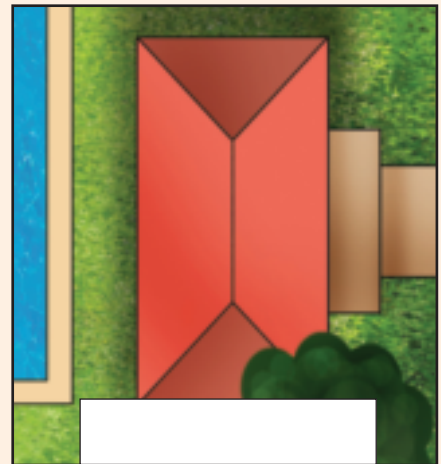
xiyenge xa le mahlweni

xiyenge xa le henhla

xiyenge xa le tlhelo

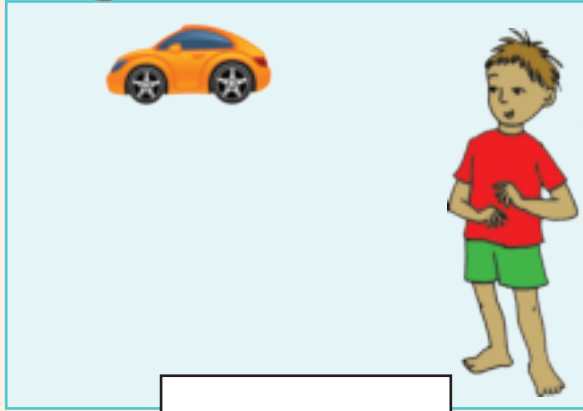


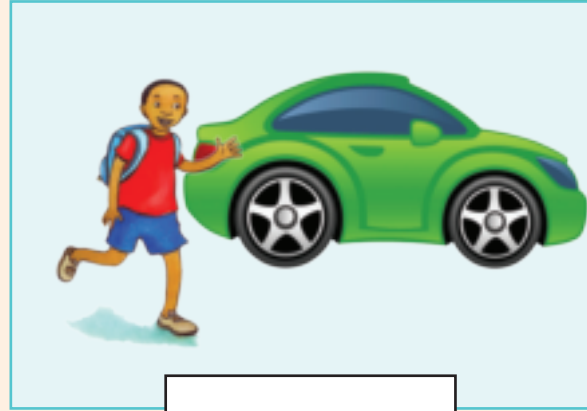


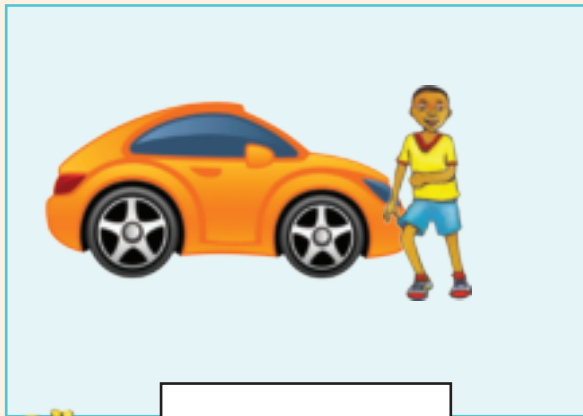


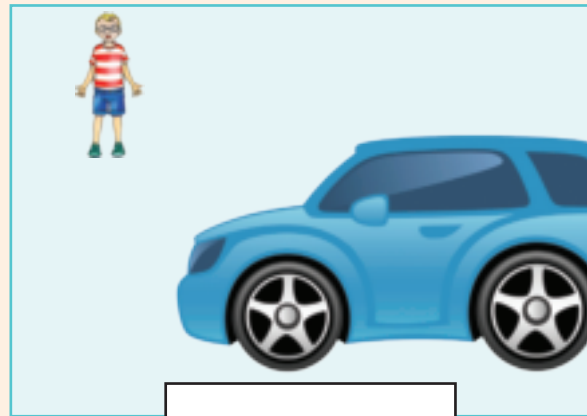


Vula loko movha wu ri ekusuhi kumbe wu ri ekule ka mufana.



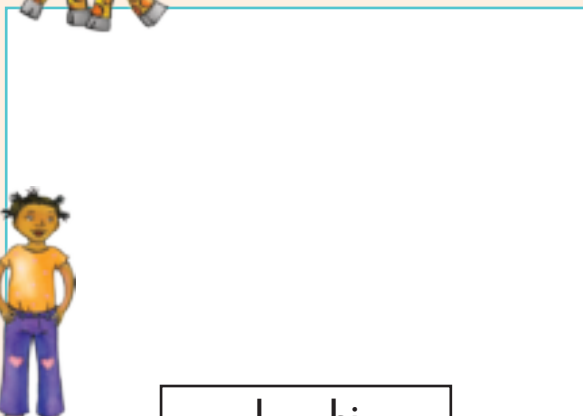


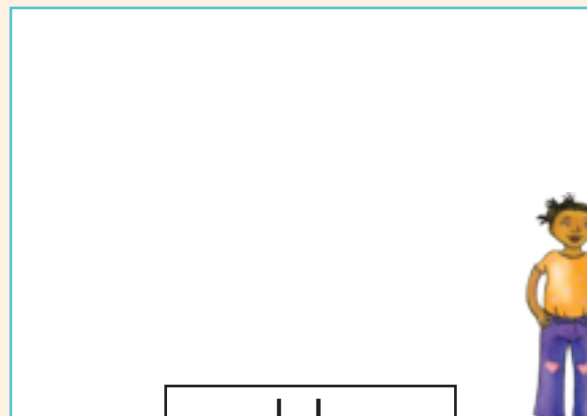






Dirowa murhi ekusuhi na le kule na nhwanyana.







Teacher: _____
 Sign: _____
 Date: _____



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?








Siku: _____

Switiviwa swin'wana swo tala

Kotara 3

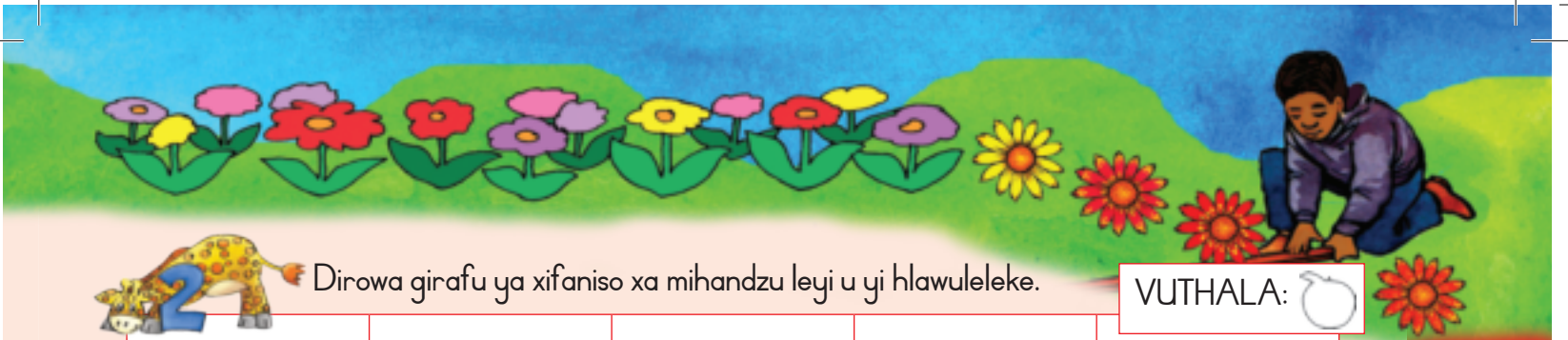


Hlawulela mihandzu. Dirowa swifaniso swa wena ku yi kombisa. Tsala ntsengo ebokisini.

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

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 swivutiso:

Xana hi wihi muhandzu lowu nga tala?

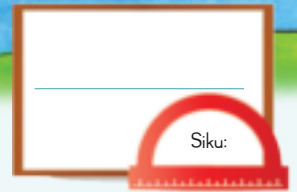
Xana hi wihi muhandzu lowu nga talangiki?



Teacher: _____

Sign: _____

Date: _____



Swiphemu – tikotara



Khalara kotara yo hetelela hi muhlovo lowu fanaka.

Kotara 3



Gwajula swivumbeko leswi kombisaka kotara.

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

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



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



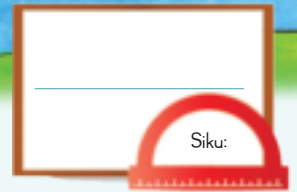
Khalara kotara yin'we ya ntlawa wa swiharhi swin'wana na swin'wana.



kotara kotara



Teacher: _____
 Sign: _____
 Date: _____



Swiphemu – tikotara tin'wana

Khalara kotara yo hetelela hi muhlovo lowu fanaka.



Kotara 3



Hlamula leswi landzelaka:

kotara yin'we ya tipyere emurhini i _____.

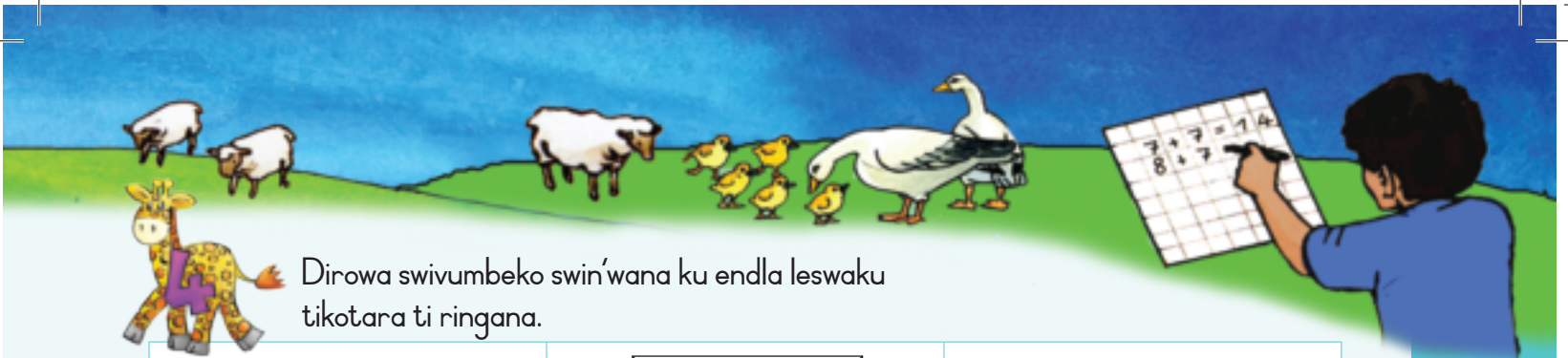
kotara yin'we ya maapula emurhini i _____.

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.

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



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

Kombisa kotara yin'we ya swivumbeko.

--	--

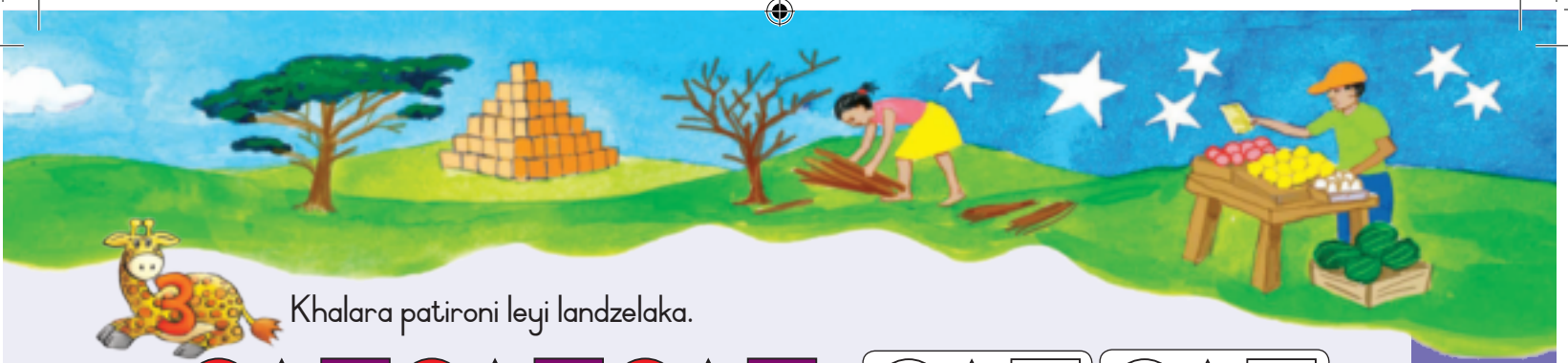
Hi xihhi lexikulu? Fungha nhlamulo leyi faneleke.

	<input type="checkbox"/>		<input type="checkbox"/>	hafu yin'we <input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>	kotara yin'we <input type="checkbox"/>

 kotara tikotara

Teacher: _____
 Sign: _____
 Date: _____

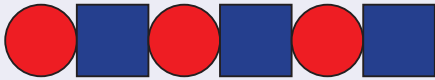




Khalara patironi leyi landzelaka.



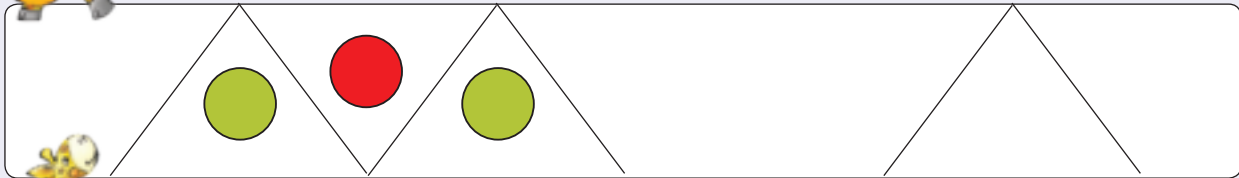
Dirowa patironi leyi landzelaka.



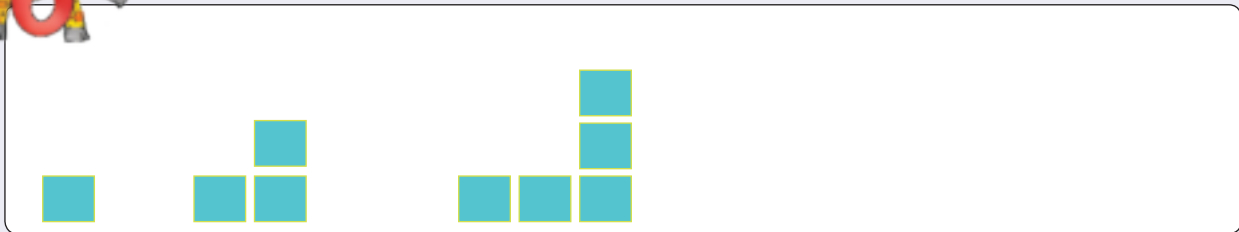




Engetela patironi ya wena.



Dirowa patironi leyi landzelaka.



Dirowa patironi ya wena.

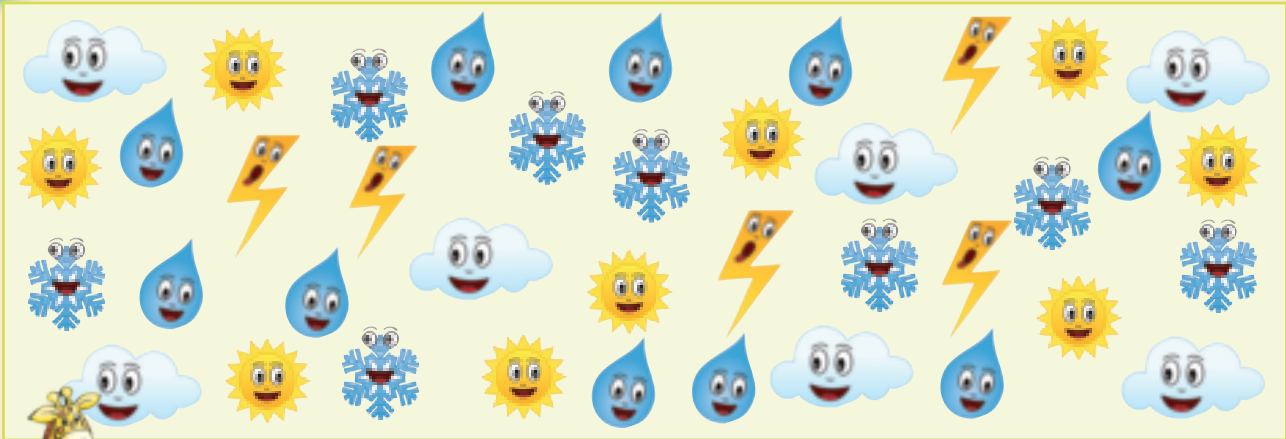


Teacher: _____
 Sign: _____
 Date: _____








Siku: _____

Ku hlawula switiviwa








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

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



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

VUTHALA:



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

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

Xana u ehleketa leswaku i nguva yihi?

Hikwalaho ka yini?

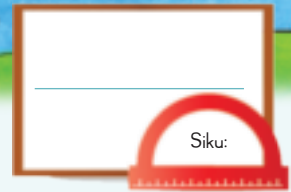
Xana maxelo lawa ya fana eswifundzeni hinkwaswo?



Teacher: _____

Sign: _____

Date: _____



Tinomboro ta 150 – 180

Khalara 172 wa swirhendzevutana.



○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	1	0	0
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	7	0	
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			2
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			
○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○			



Tsala xivulwa xa tinomboro xa:

$\begin{array}{r} 100 \\ 50 \\ 8 \\ \hline 158 \end{array}$	$\begin{array}{r} 100 \\ 50 \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 100 \\ 70 \\ 2 \\ \hline \end{array}$
$\begin{array}{r} 100 \\ 50 \\ 0 \\ \hline \end{array}$	$\begin{array}{r} 100 \\ 60 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 100 \\ 5 \\ \hline \end{array}$



Hi tihi tinomboro leti ngenaka exikarhi:

- 150 na 158 _____
- 172 na 177 _____
- 180 na 175 _____
- 160 na 155 _____
- 165 na 160 _____

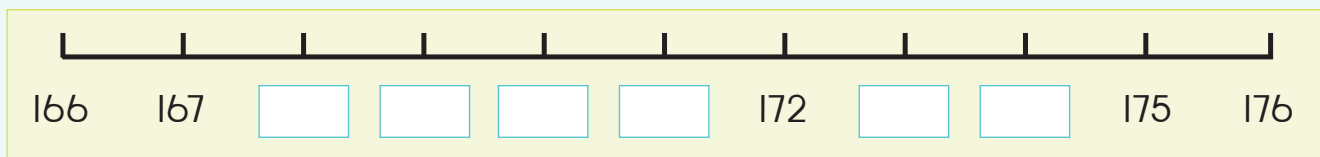
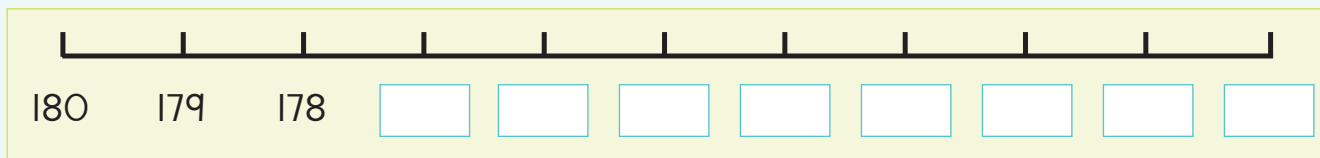
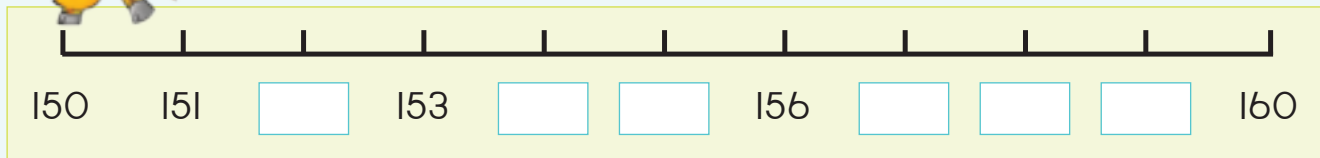


Tsala tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi nyikiweke.

Letitsongo	Nomboro	Letikulu
	157	
	165	
	178	
	161	
	174	



Hetisa mindzhati ya mintsengo.



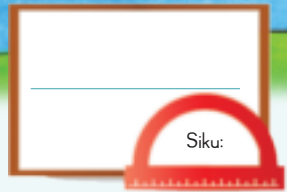
Tsema tinomboro tinharhu ta le xikarhi ka 150 na 180 eka magazini kumbe phephahungu. Ti namarhete hi ndzandzelelano wo suka eka leyikulu swinene ku ya eka leyitsongo swinene.



Teacher: _____

Sign: _____

Date: _____



Tinomboro ta 170 – 200

Kotara 4



Khalara 199 wa swirhendzevutana.

○○○○○○○○○○	○○○○○○○○○○	1 0 0
○○○○○○○○○○	○○○○○○○○○○	9 0
○○○○○○○○○○	○○○○○○○○○○	9
○○○○○○○○○○	○○○○○○○○○○	
○○○○○○○○○○	○○○○○○○○○○	
○○○○○○○○○○	○○○○○○○○○○	
○○○○○○○○○○	○○○○○○○○○○	
○○○○○○○○○○	○○○○○○○○○○	
○○○○○○○○○○	○○○○○○○○○○	
○○○○○○○○○○	○○○○○○○○○○	



Tsala nomboro ya:

<table border="1"> <tr> <td>1 0 0</td> <td>7 0</td> <td>7</td> </tr> </table> <p>100 + 70 + 7 = 177 </p>	1 0 0	7 0	7	<table border="1"> <tr> <td>1 0 0</td> <td>9 0</td> <td>3</td> </tr> </table> <p>=</p>	1 0 0	9 0	3	<table border="1"> <tr> <td>1 0 0</td> <td>8 0</td> <td>1</td> </tr> </table> <p>=</p>	1 0 0	8 0	1
1 0 0	7 0	7									
1 0 0	9 0	3									
1 0 0	8 0	1									
<table border="1"> <tr> <td>1 0 0</td> <td>9 0</td> <td>5</td> </tr> </table> <p>=</p>	1 0 0	9 0	5	<table border="1"> <tr> <td>1 0 0</td> <td>9 0</td> <td>9</td> </tr> </table> <p>=</p>	1 0 0	9 0	9	<table border="1"> <tr> <td>1 0 0</td> <td>7 0</td> <td>9</td> </tr> </table> <p>=</p>	1 0 0	7 0	9
1 0 0	9 0	5									
1 0 0	9 0	9									
1 0 0	7 0	9									



Hi tihhi tinomboro leti nghanaka exikarhi ka:

- 170 na 175 _____
- 198 na 195 _____
- 180 na 175 _____
- 168 na 173 _____
- 200 na 196 _____

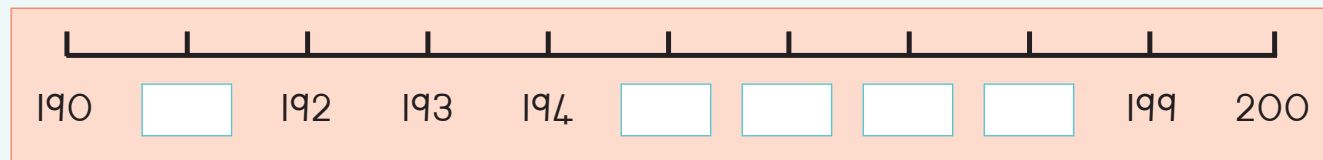
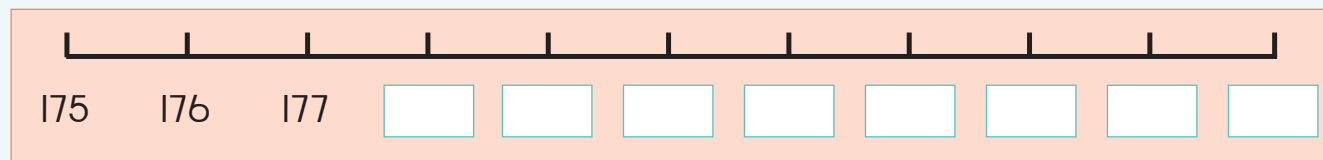
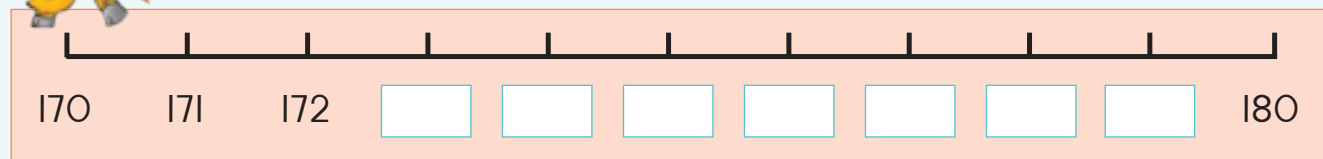


Nyika tinomboro timbirhi letitsongo na timbirhi letikulu eka nomboro leyi.

Letitsongo	Nomboro	Letikulu
	170	
	198	
	185	
	174	
	181	



Hetisa mindzhati ya mintsengo.



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



Teacher: _____

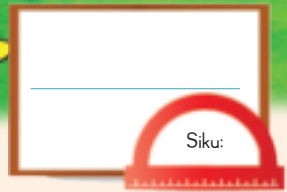
Sign: _____

Date: _____

99

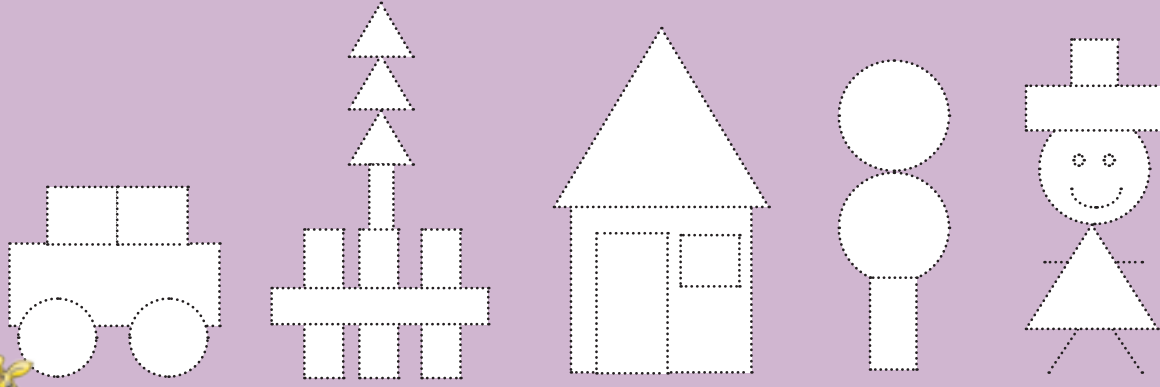


Swivumbeko swa 2 wa matlhelo

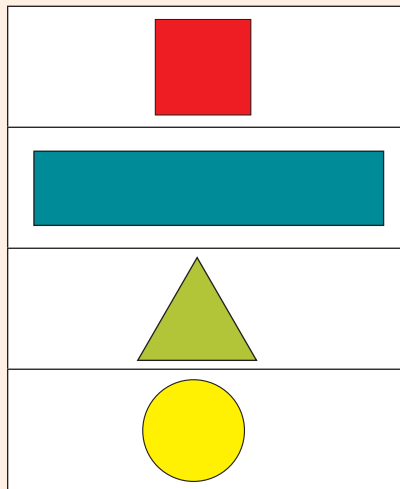


Kotara 4

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



Yelanisa rito na xivumbeko.



yinhlanharhu
xirhendzevutana
xikwere
tyinhlamune

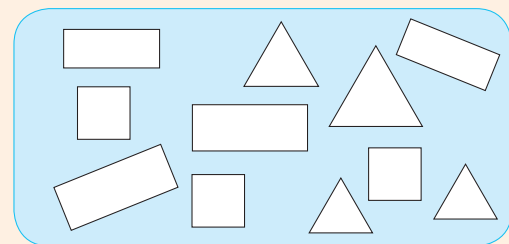
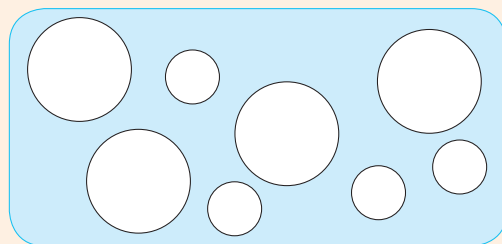


Khalara:

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

Khalara:

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





Khalara swivumbeko leswi yelanaka na xivumbeko xo sungula.

Tracing practice for the number 3. Each row consists of a purple rounded rectangle containing a white shape, followed by a yellow rounded rectangle containing five white shapes of the same type.

- Row 1: Triangle pointing right.
- Row 2: Diamond.
- Row 3: Rectangle.
- Row 4: Circle.



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

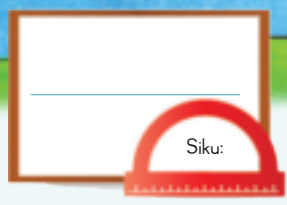
A large empty rounded rectangular box for drawing or writing.

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



Teacher: _____
 Sign: _____
 Date: _____

100



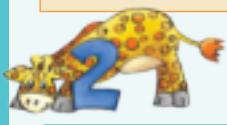
Tinomboro ta 0 – 200



Xana u nga endla tinomboro to hambana tingani?

Kotara 4

100	40	2
9	50	100
20	100	70
	1	8



Hetisa leswi landzelaka:

<p>100 + 40 + 9 = <input type="text"/></p>	<p>100 + 70 + 3 = <input type="text"/></p>	<p>100 + 20 + 8 = <input type="text"/></p>
<p>100 + 10 + 7 = <input type="text"/></p>	<p>100 + 90 + 2 = <input type="text"/></p>	



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

181 = + +

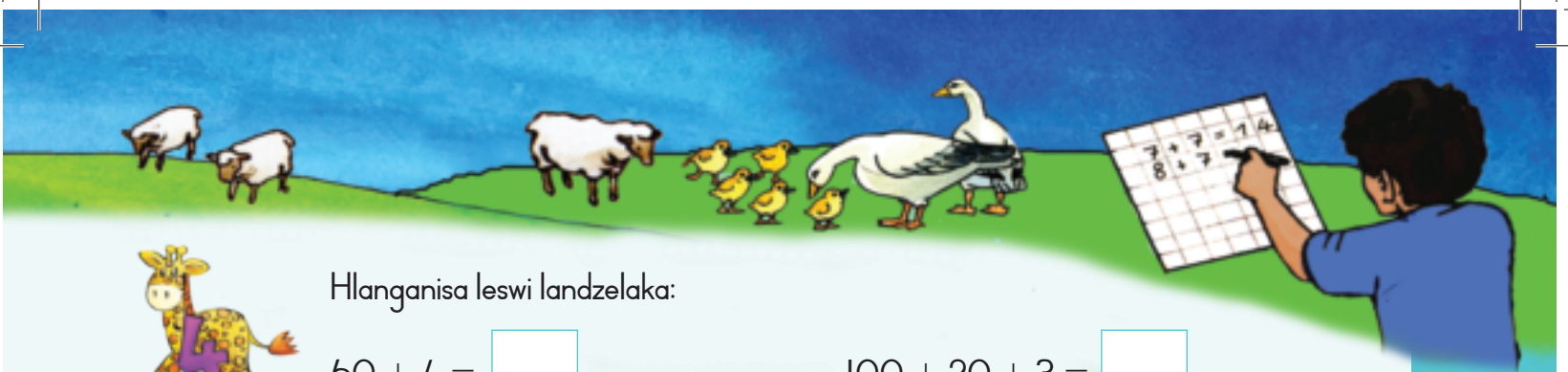
144 = + +

135 = + +

156 = + +

169 = + +





Hlanganisa leswi landzelaka:

$60 + 4 = \square$

$100 + 20 + 3 = \square$

$90 + 8 = \square$

$100 + 40 + 9 = \square$

$40 + 7 = \square$

$100 + 70 + 8 = \square$

$30 + 6 = \square$

$100 + 60 + 1 = \square$

$50 + 2 = \square$

$100 + 50 + 5 = \square$

Tatisa nomboro leyi siyiweke:

$70 + \square = 71$

$100 + \square + 3 = 153$

$30 + \square = 38$

$100 + \square + 9 = 169$

$60 + \square = 69$

$\square + 70 + 8 = 178$

$20 + \square = 24$

$100 + \square + 1 = 191$

$80 + \square = 85$

$100 + 50 + \square = 157$



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

$\square + \square + \square = \square$

$\square + \square + \square = \square$



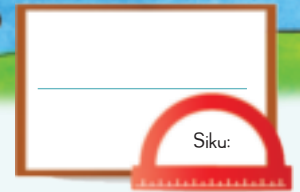
Hi yihi nomboro leyikulu swinene? Hi yihi nomboro leyitsongo swinene?

50 9
100

100
9 40

4
100
50

Teacher: _____
Sign: _____
Date: _____

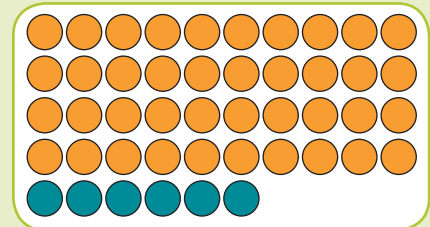
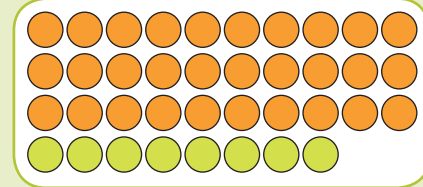


Ku hlanganisa na ku susa

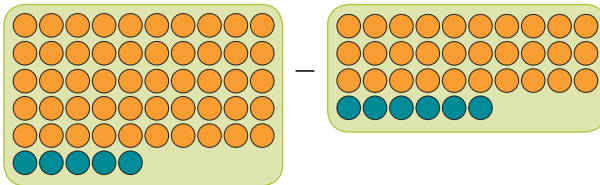
Languta bodo ya tinomboro na vuhlalu. Bula hi swona.

Kotara 4

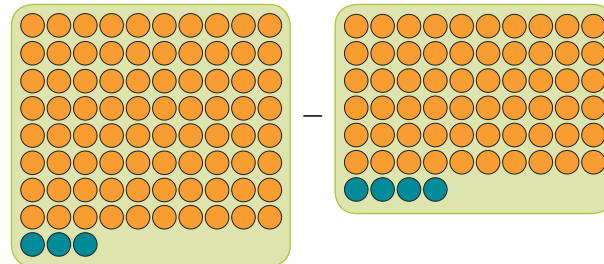
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



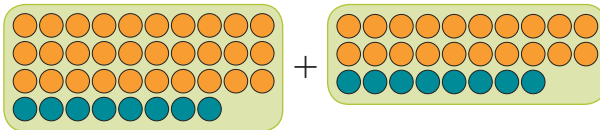
Hlanganisa kumbe u susa vuhlalu.



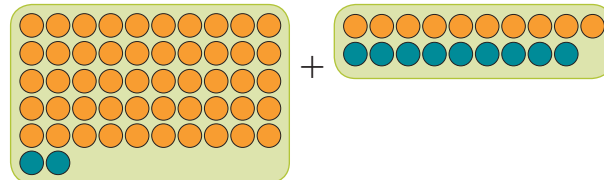
$$\begin{aligned}
 & \boxed{50} \quad \boxed{5} - \boxed{30} \quad \boxed{6} \\
 = & \boxed{40} + \boxed{15} - \boxed{30} - \boxed{6} \\
 = & \boxed{10} + \boxed{9} \\
 = & \boxed{19}
 \end{aligned}$$



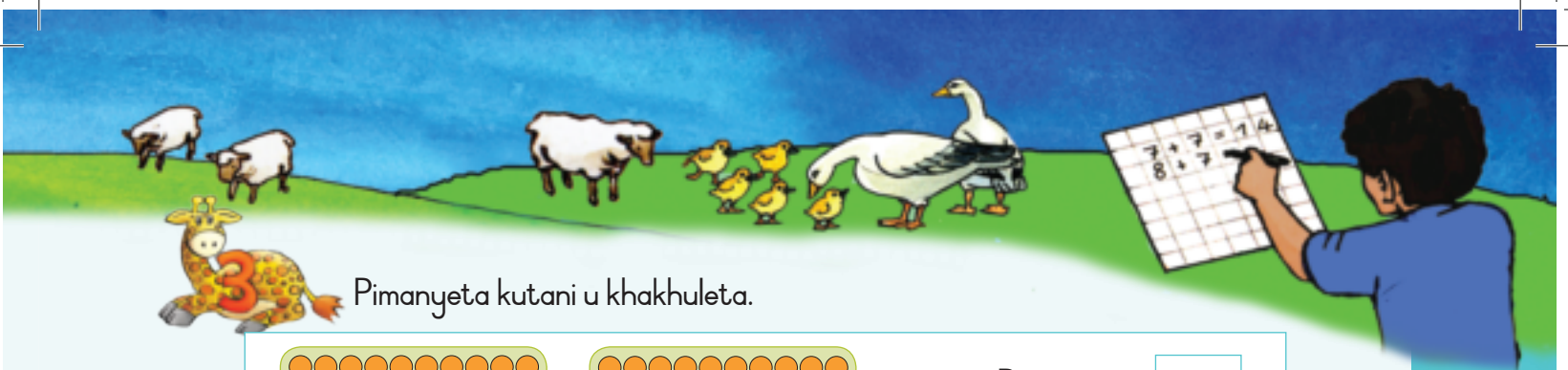
$$\begin{aligned}
 & \boxed{} \quad \boxed{} - \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} - \boxed{} - \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



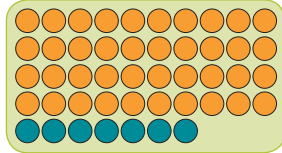
$$\begin{aligned}
 & \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



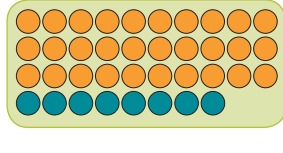
$$\begin{aligned}
 & \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{} \\
 = & \boxed{} + \boxed{} + \boxed{} \\
 = & \boxed{} + \boxed{} \\
 = & \boxed{}
 \end{aligned}$$



Pimanyeta kutani u khakhuleta.

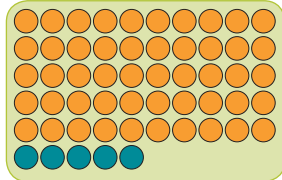


+

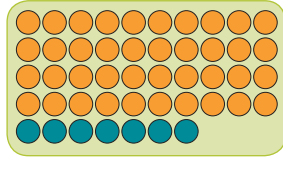


Pimanyeta

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?

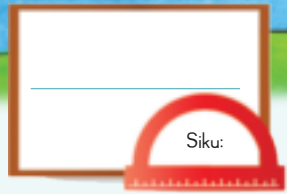
Susa 45 eka 74.

Loko u susa 69 eka 82 u kuma yih?

Teacher:

Sign:

Date:



Ku hlanganisa na ku susa nakambe



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

2 0

8

Hlanganisa tinomoro timbirhi.

6 0

5

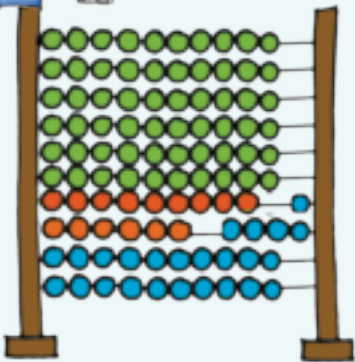
3 0

7

Ti ringana na?

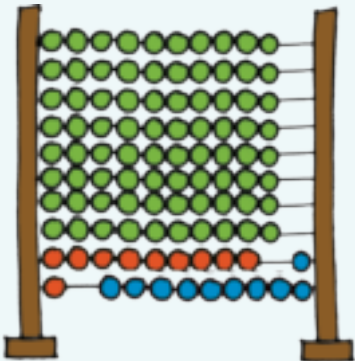


Tsala nhlayo yo hlanganisa na yo susa. Yi khakhulete.



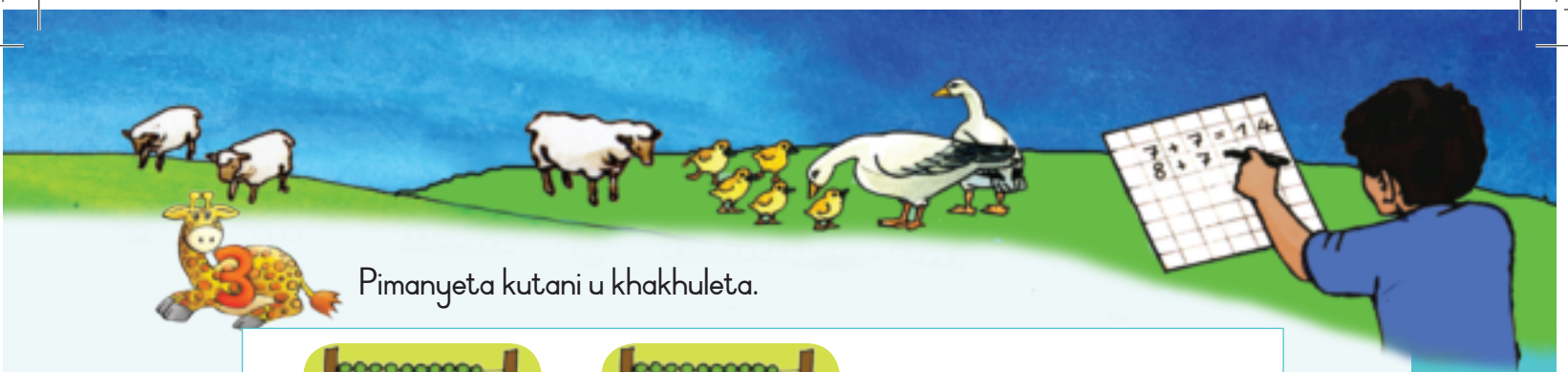
Nhlayo yo hlanganisa

Nhlayo yo susa

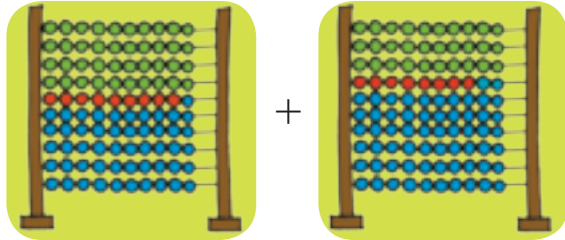


Nhlayo yo hlanganisa

Nhlayo yo susa



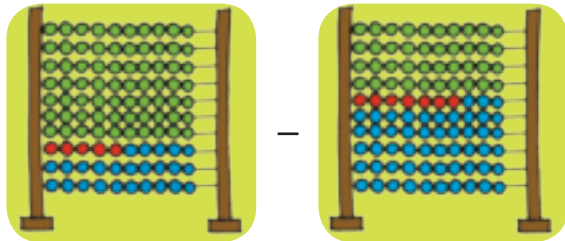
Pimanyeta kutani u khakhuleta.



+

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:

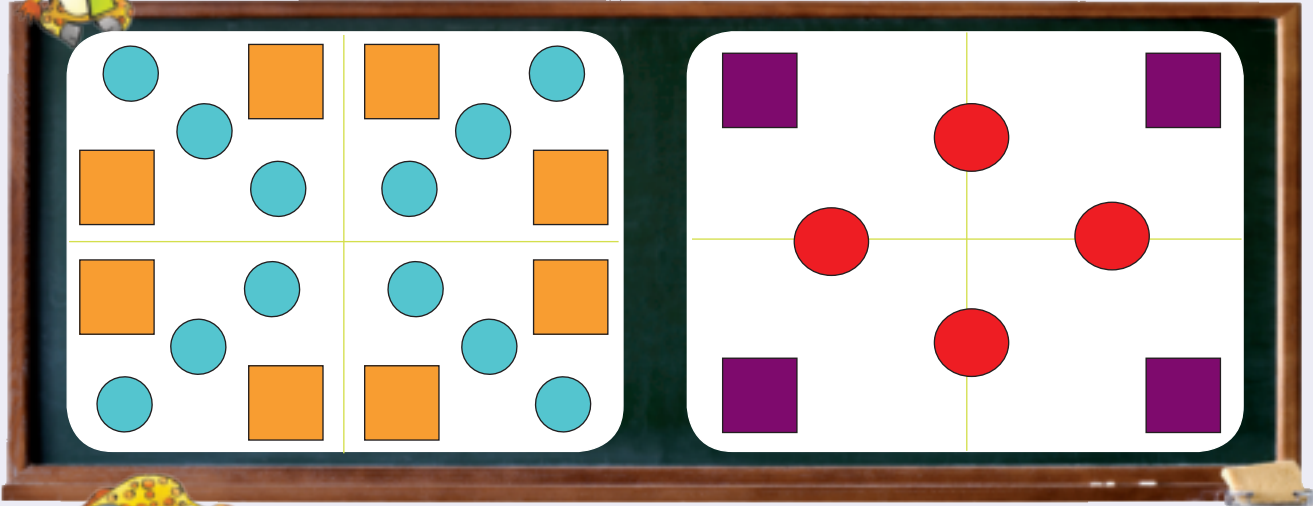
Date:

Tipatironi ta swivumbeko

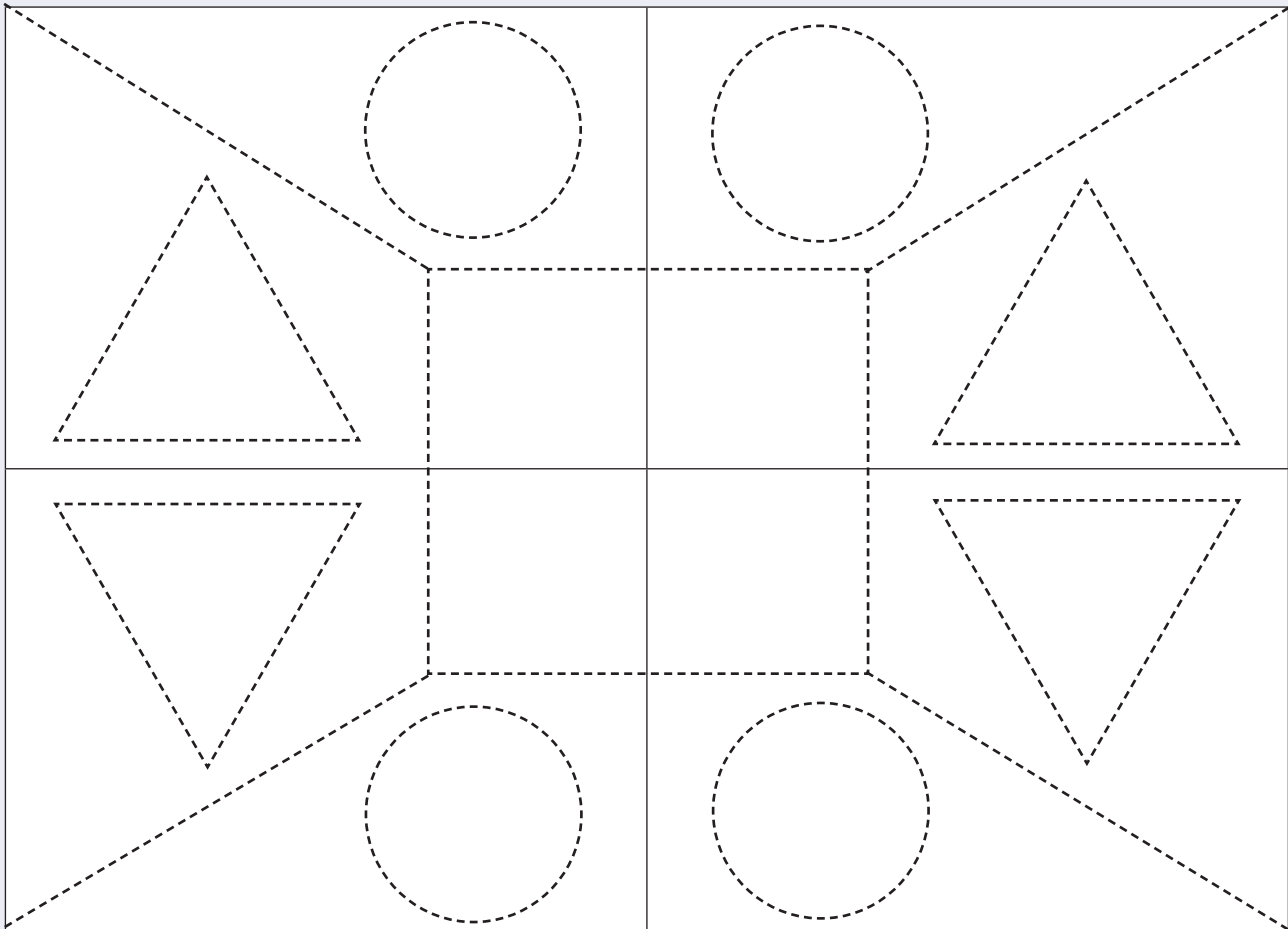
Siku:

Kotara 4

Hlamusela patironi.

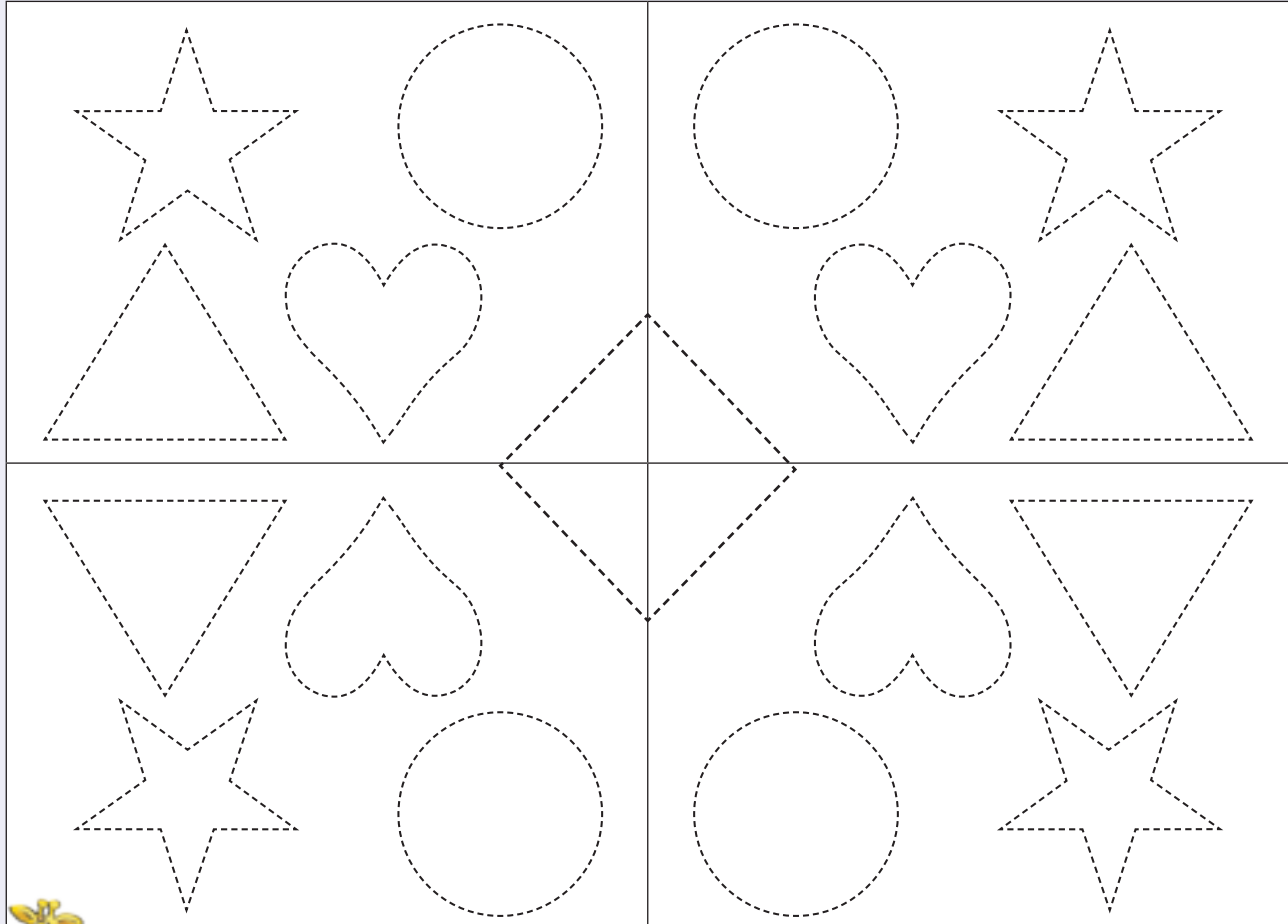


Landzelerisa patironi kutani u yi khalara.

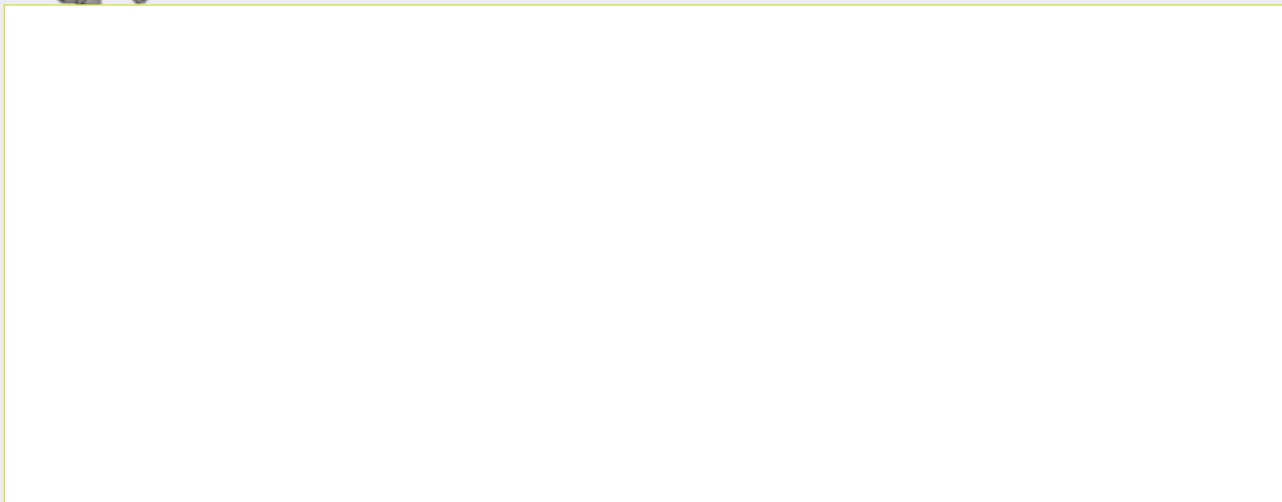


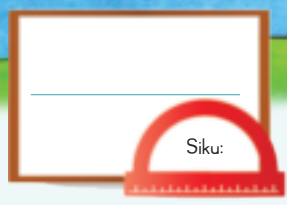


Landzelerisa patironi kutani u yi khalara.



Endla patironi ya wena u tirhisa swivumbeko.



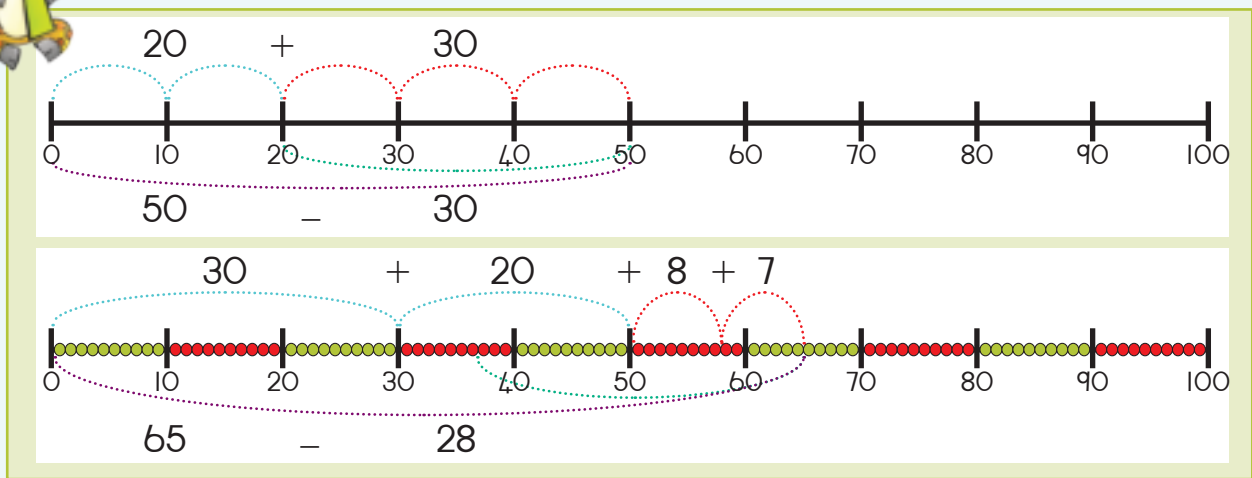


Ku hlanganisa na ku susa kun'wana

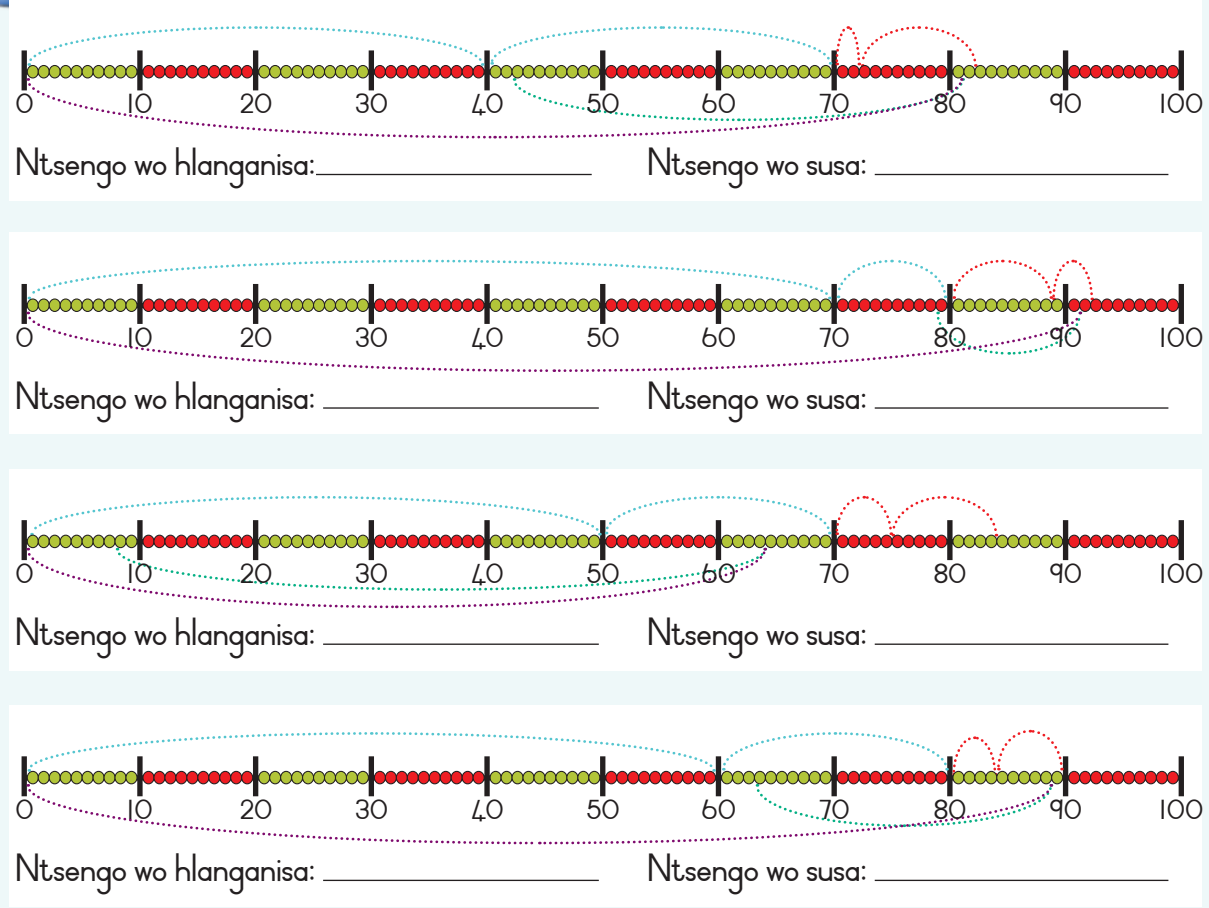
Kotara 4



Languta mindzhati ya mintsengo. Bula hi yona.

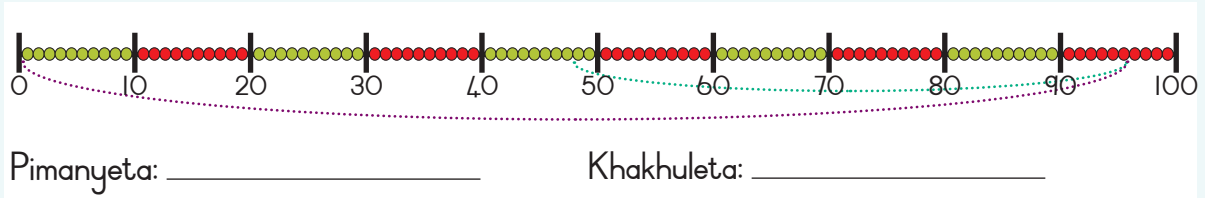
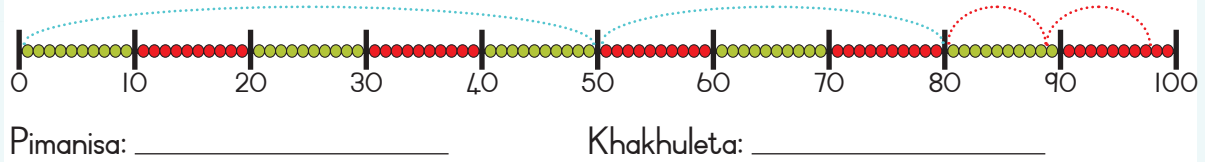


Tsala tinhlayo to hlanganisa na to susa u tirhisa ndzhati wa mintsengo.





Pimanyeta u tlhela u khakhuleta vuhlalu.



Khakhuleta u tirhisa maendlelo ya wena.

$$74 + 18$$

$$72 - 43$$

82 na 9 swi endla yini?

Ntsengo wa 79 na 13.

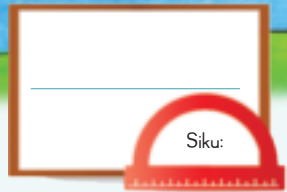
Susa 44 eka 52.

Ku hambana exikarhi ka 98 na 59.

Teacher:

Sign:

Date:



Ku hlanganisa na ku susa kun'wana nakambe

Kotara 4



Ringanisa matlhello.

$10 + 4 + 5$

$9 + \square + \square$

$90 - 50$

$\square - 20$



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

+100

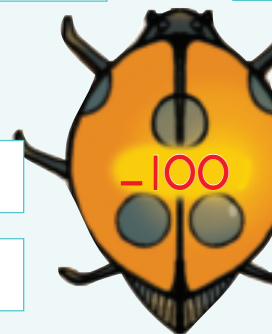
89



175

-100

163





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

$$\begin{array}{r}
 90 \\
 100
 \end{array}
 -
 \begin{array}{r}
 20 \\
 4
 \end{array}
 +
 \begin{array}{r}
 5 \\
 30
 \end{array}$$



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

Ku hlanganisa swi vula yini?

2 6 5 7
4 7 3 8 9

Ku susa swi vula yini?

4 9 7
5 8 10
6 2 8 3



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

$48 + 36$

$85 - 59$



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

Ndzi 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

Siku: _____

Xana mabokisi, tibolo na tisolindara swi le kwihi?



Vula loko xi ri bokisi, bolo, kumbe silindara.















Kuma swifaniso swa leswi landzelaka kutani u swi damarheta laha.

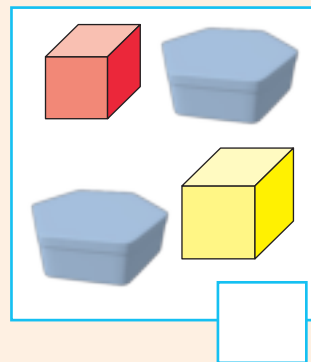
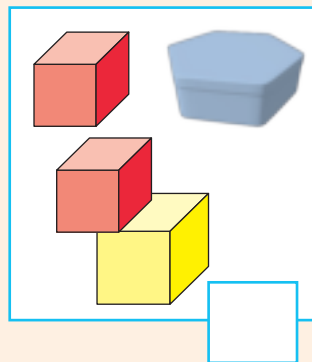
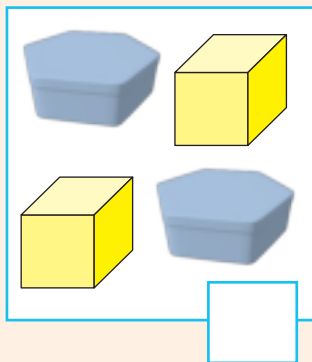
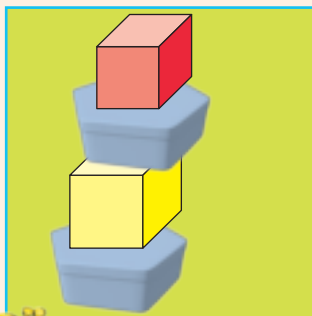
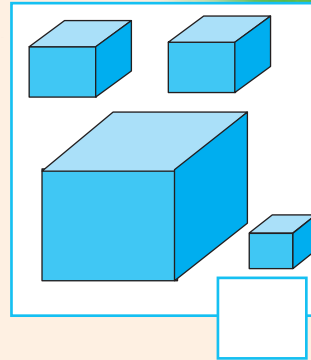
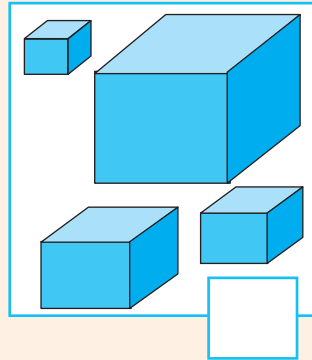
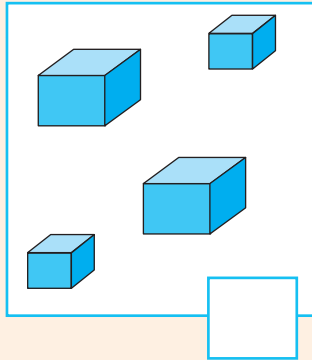
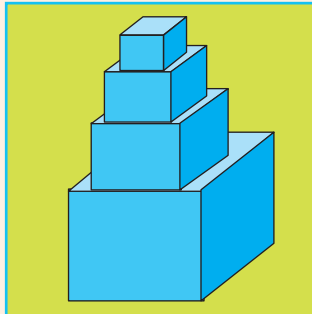
Bolo

Bokisi

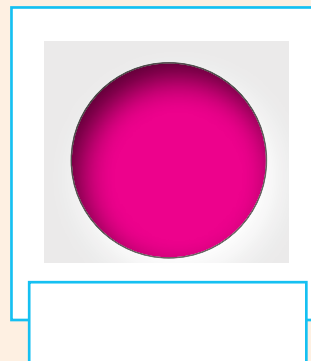
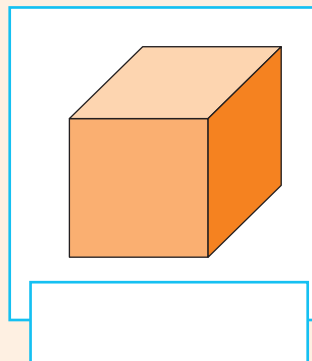
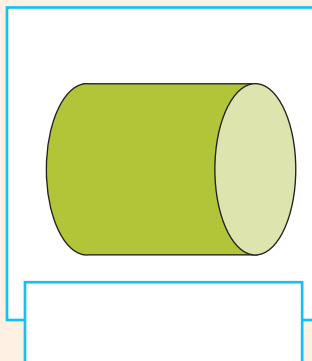
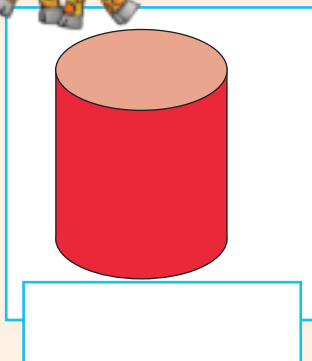
Silindara



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



Vula loko leswi landzelaka swi khunguluka kumbe swi rheta.



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

- Silindara
- Bolo
- Mabokisi



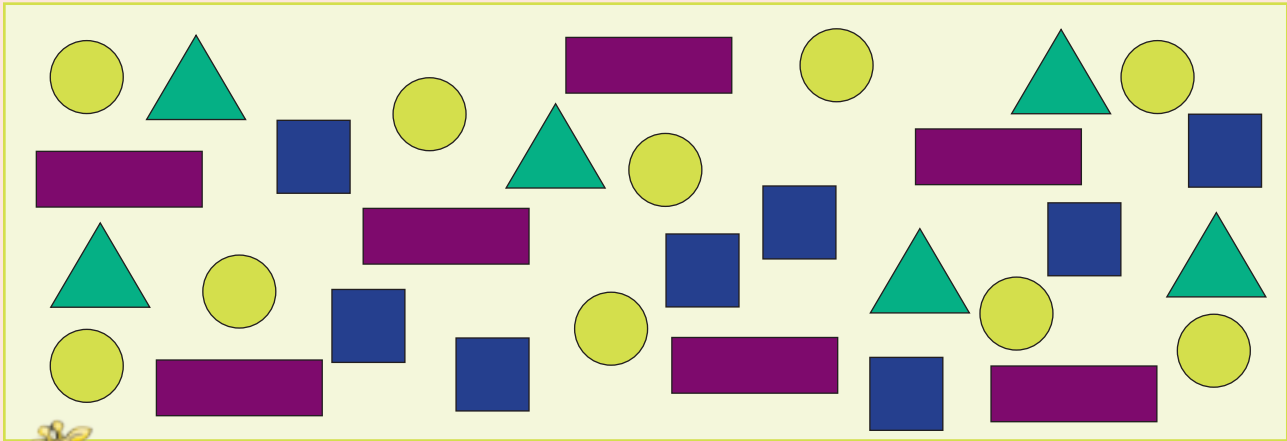
Teacher: _____
Sign: _____
Date: _____



Siku: _____

Switiviwa swin'wana swo tala

Kotara 4



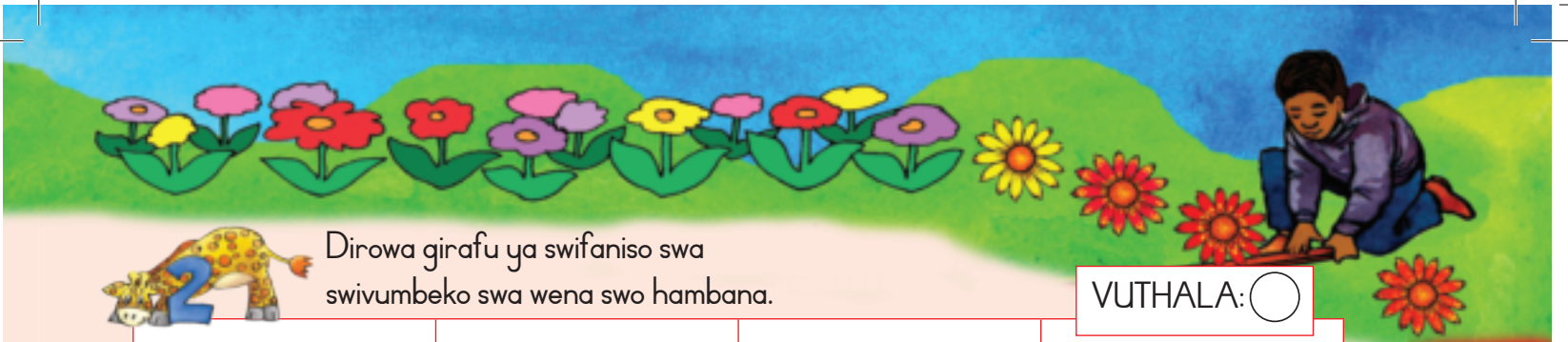
Hambanisa swivumbeko. Dirowa xifaniso xa wena. Tsala ntsengo ebokisini.

Blank box with a yellow circle sticker on the top left corner.

Blank box with a blue square sticker on the top left corner.

Blank box with a green triangle sticker on the top left corner.

Blank box with a purple rectangle sticker on the top left corner.



Dirowa girafu ya swifaniso swa swivumbeko swa wena swo hambana.

VUTHALA: ○

●	■	▬	▲



Khalara tibuloko ku hetisa girafu ya wena ya bara.

●	■	▬	▲

Xana ku na swirhendzevutana swingani?

Xana ku na swikwere swingani?

Xana ku na tiyinhlamune tingani?

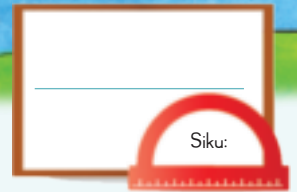
Xana ku na tiyinlanharhu tingani?



Teacher: _____

Sign: _____

Date: _____

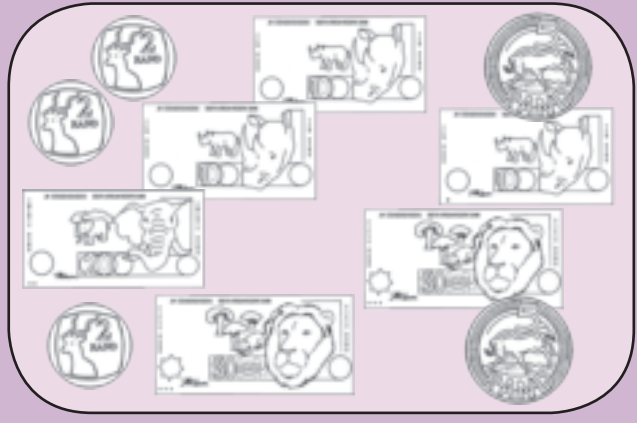


Ku hlayela mali

Kotara 4

Khalara tikhoyini leti nga ta endla 95c.

Khalara mali leyi nga ta endla R99.



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

		Ina	E-e
75c			
85c			
90c			



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

		Ina	E-e
R87			
R75			
R94			



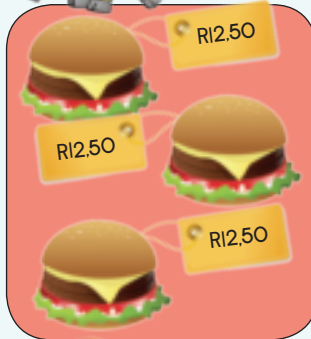
Sipho u xavile tihambega timbirhi.
 Hambega yin'we yi vitana R12,50. Xana u hakerile mali muni?
 Dirowa mali ya phepha na tikhoyini leti faneleke ku kombisa nhlamulo ya wena.
 Tlhela u tsala tanihi xivulwa xa tinomboro.



Xivulwa xa tinomboro:
 $R12,50 + R12,50 =$



Loko Sipho a xava tihambega tinharhu?



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

Xivulwa xa tinomboro:



Loko Sipho a xava tihambega ta mune?



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

Xivulwa xa tinomboro:

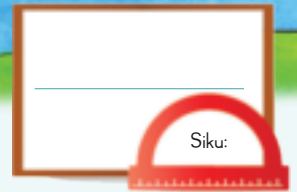


I tihambega tingani leti Sipho a nga ti xavaka hi R87,50? Endla xifaniso lexi fanaka
 na leswi nga laha henhla ku ku pfuna ku lulamisa xiphiso. Tirhisa phepha rin'wana.

Teacher:

Sign:

Date:



Ololoxa swiphiso swa mali

Kotara 4

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

1 chokoleti



2 wa tichokoleti



3 wa tichokoleti



4 wa tichokoleti



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

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



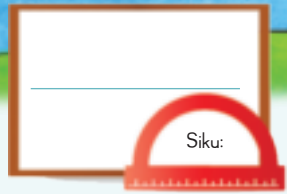
U lava ku xava IO wa timafini. Mafini yin'wana na yi'nwana yi durha RIO. Xana u ta hakela mali muni ya 1, 2, 3, 4, 5, 6, 7, 8, 9 kumbe IO wa timafini? Yi kombise etafuleni eka phepha rin'wana.



Teacher: _____

Sign: _____


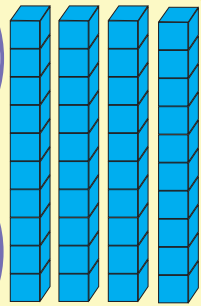

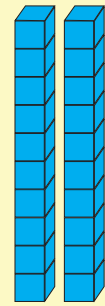

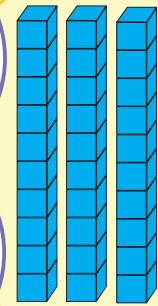

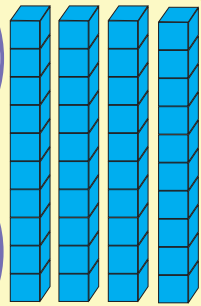

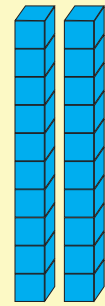

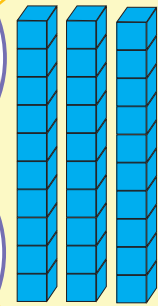
Date: _____

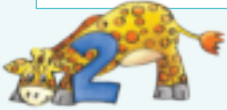


Ku vumba ntlawa na ku avela

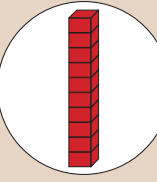
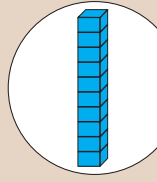
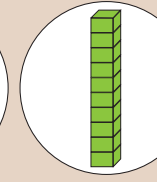
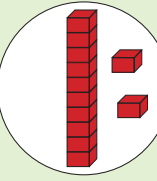
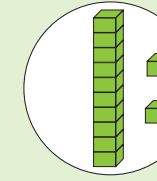
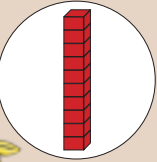
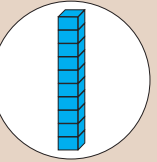
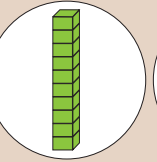
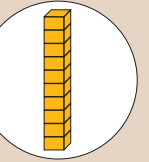
Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana? Ti ave exikarhi ka vana.

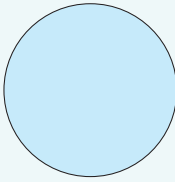
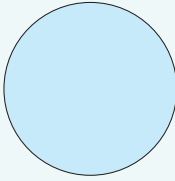
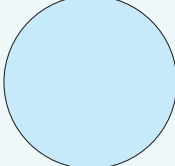




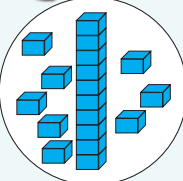
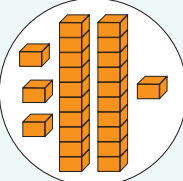
Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana?
Tsala ntsengo eka xirhendzevutana xa wasi.

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



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

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

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



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.

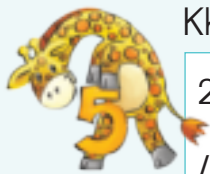
— Ntsengo wo susa:

÷ Ntsengo wo avanyisa:

Ava swihlayelo swa 36 exikarhi ka 3.

— Ntsengo wo susa:

÷ Ntsengo wo avanyisa:



Khakhuleta.

2 wa mintlawa ya 7 _____

3 wa mintlawa ya va 8 _____

4 wa mintlawa ya 5 _____

2 wa mintlawa ya 15 _____

Avanyisa 18 hi 2 _____

Avanyisa 24 hi 3 _____

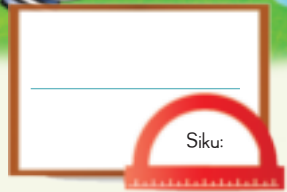
Avanyisa 35 hi 5 _____

Avanyisa 50 hi 10 _____



Ku avela Ku avela

Teacher: _____
Sign: _____
Date: _____



Vuenti byin'wana



Languta xifaniso. Xana vana va endla yini?



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

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



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

2 wa tijeke _____

3 wa tijeke _____

4 wa tijeke _____

5 wa tijeke _____



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

2			



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

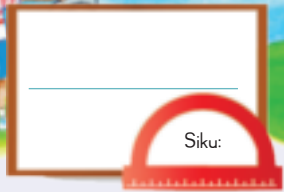


Teacher: _____

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	139



Tatisa tinomboro leti siyiweke.

Path 1 (Squares): 103, 104, [], [], [], 108, [], [], [], []

Path 2 (Circles): [], 142, 144, [], [], 150, [], [], [], []

Path 3 (Triangles): [], [], [], 103, 106, 109, [], [], [], []

Path 4 (Stars): 124, 128, 132, [], [], [], [], [], []

Path 5 (Diamonds): [], [], [], 95, 105, [], [], 115, [], []



Hetisa leswi landzelaka hi ku hlayela hi xindzhaku.

128	126	124			118				
160	157	154							
200	195	190							



Hetisa leswi landzelaka:

100, 102, 104, _____, _____, _____, _____

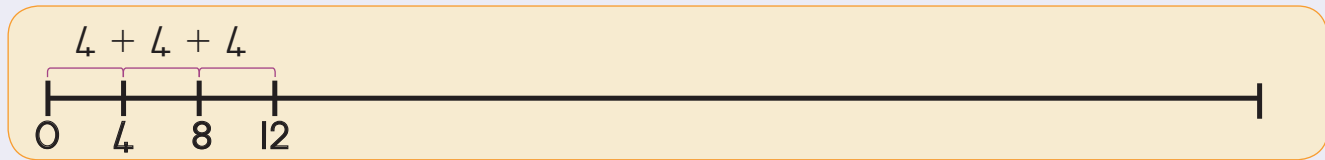
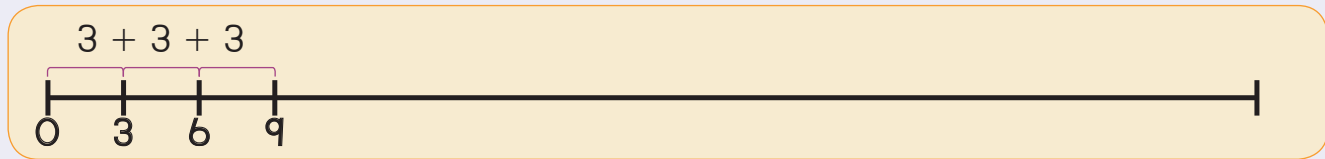
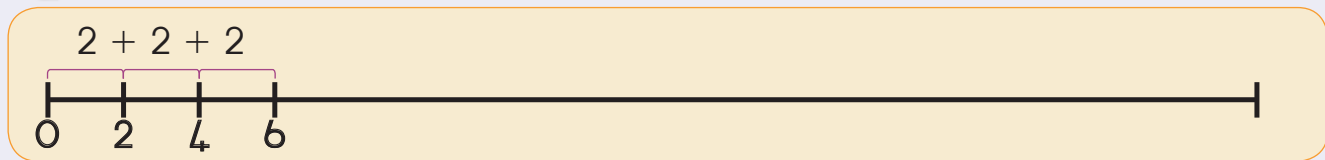
160, 155, 150, _____, _____, _____, _____

115, 118, 121, _____, _____, _____, _____

200, 190, 180, _____, _____, _____, _____



Hetisa ndzhati wa mintsengo.



Xana hi hlayela hi yini?

4	20
8	
16	12

2	14
8	12
10	4
	6

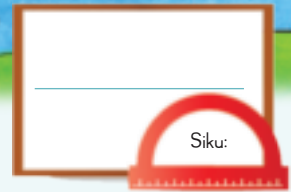
5	15
25	
30	20
	10

3	21
15	6
18	9
	12

Teacher: _____

Sign: _____

Date: _____



Andzisa hi 3

Kotara 4

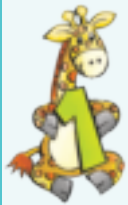
Swiharhi hinkwaswo swi na 4 wa milenge.

Swiharhi hinkwaswo swi na 2 wa tindleve.



Xana milenge hinkwayo i yingani exifanisweni lexi?

Xana tindleve hinkwato i tingani exifanisweni lexi?



Languta xifaniso lexi kutani u hetisa leswi landzelaka:



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

Nhlayo ya makondlo Milenge ya xiharhi xin'we

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

Nhlayo ya makondlo Tindleve ta xiharhi xin'we







Hetisa leswi landzelaka:

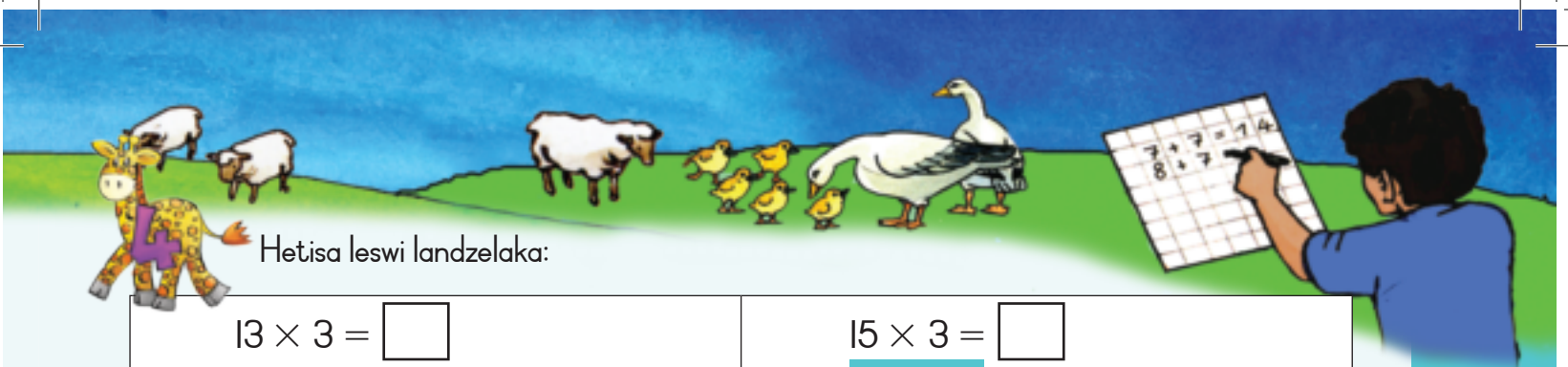
3	6	9							
---	---	---	--	--	--	--	--	--	--

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



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:

$$13 \times 3 = \square$$

$$\begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 3$$

$$= \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} + \begin{array}{|c|} \hline 3 \\ \hline \end{array} \times 3$$

$$= \begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 3 + \begin{array}{|c|} \hline 3 \\ \hline \end{array} \times 3$$

$$= 30 + 9$$

$$= 39$$

$$15 \times 3 = \square$$

$$\begin{array}{|c|c|} \hline 1 & 0 \\ \hline \end{array} \times 3$$

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

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

$$= \square + \square$$

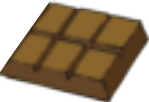
$$= \square$$



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 choleleti leswi ringanaka.

Un'wana na

un'wana u kuma

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



Un'wana na

un'wana u kuma



Hetisa leswi landzelaka.

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

Un'wana na

un'wana u kuma

Ava 16 wa tikhirayoni exikarhi ka 3 wa vana.

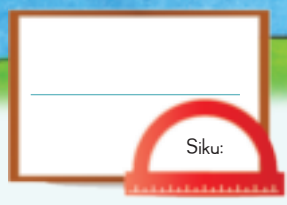
Un'wana na

un'wana u kuma

Teacher:

Sign:

Date:



Ku andzisa kun'wana

Kotara 4

Languta leswi landzelaka, xana u lemuka yini?

$5 + 5 + 5 = 15$



3 wa swijumba swa 5 = 15



3 wa mintlawwa 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	Mintlawwa yo ringana	Ku hlanganisa ko vuyeleriwa	Malongoloxelo	Leswi tivekaka
3, 6, 9, 12		$3 + 3 + 3 + 3$	3 wa tinxaxa ta 4 $\begin{matrix} \times & \times & \times & \times \\ \times & \times & \times & \times \\ \times & \times & \times & \times \end{matrix}$	$3 \times 4 = 12$ $4 \times 3 = 12$
		$4 + 4 + 4$		
				$6 \times 5 = 30$ $5 \times 6 = 30$
2, 4, 6, 8, 10, 12				





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

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

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



Hlamula swivutiso leswi landzelaka. Xana i yini:

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



Siva xikhomela ndhawu hi nomboro.

3 wa mintlawa ya 2 i 6 kumbe 3 yi andzisiwa hi 2 i 6 kumbe $3 \times 2 = \square$	
4 wa mintlawa ya 3 i 12 kumbe 4 yi andzisiwa hi 3 i 12 kumbe $4 \times 3 = \square$	
6 wa mintlawa ya 3 i 18 kumbe 6 yi andzisiwa hi 3 i 18 kumbe $6 \times \square = 18$	

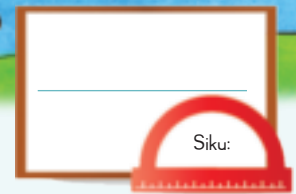
Xiphiso: Ku na swihlayelo swinharhu erixaxeni. Ku na 4 wa tinxaxa. Xana ku na swihlayelo swingani hinkwaswo ka swona? Dirowa xifaniso u kombisa nhlamulo ya wena.



Teacher: _____

Sign: _____

Date: _____



Ku andzisa kun'wana

Languta swikombiso.

Kotara 4



Xana ku andzisa swi vula yini?

$$4 \times 2 = \boxed{8}$$

$$3 \times 4 = \boxed{12}$$

$$4 \times 5 = \boxed{20}$$

$$2 \times 6 = \boxed{12}$$

Xana loko hi andzisa 2 hi 7 hi kuma yini?

$$1 \times 5 = 5$$

$$2 \times 5 = 10$$

$$3 \times 5 = 15$$

$$4 \times 5 = 20$$

$$5 \times 5 = 25$$

$$6 \times 5 = 30$$

$$7 \times 5 = 35$$

$$8 \times 5 = 40$$

$$9 \times 5 = 45$$

$$10 \times 5 = 50$$

Hetisa:

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

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

$$12 \times 2$$

$$16 \times 2$$

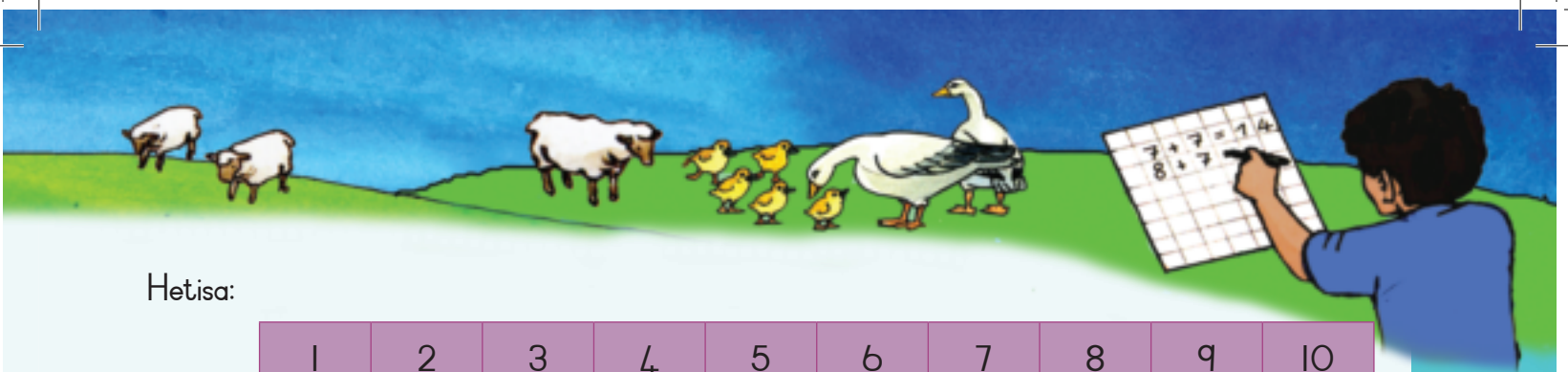
Hetisa:

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

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

$$13 \times 3$$

$$15 \times 3$$



Hetisa:

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

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

11×4	14×4
---------------	---------------

Hetisa:

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

Tirhisa matirhelo ya wena ku kuma nhlamulo ya leswi.

12×5	16×5
---------------	---------------



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

4 wa minkwama?

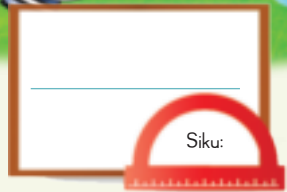
5 wa minkwama?

3 wa minkwama?

2 wa minkwama?

Teacher: _____
 Sign: _____
 Date: _____

Masiku ya vhiki



Tsala masiku ya vhiki.

MBIRHIRAVU

NTOSO

BHUNUKUMUSUM

HARHURAVUN

UMUNERAV

IVELAMUGQ

NTLHANURAVU



Tata masiku lama siyiweke.

Musumbhunuku		Ravunharhu	
Sonto		Ravumbirhi	



Tsala masiku ya vhiki.

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



I masiku mangani ku suka eka:

Musumbhunuku ku fika Ravumune? _____

Ravumbirhi ku fika Ravuntlhanu? _____

Ravumune ku fika 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	Nyenyenyani	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 Nyenyenyani? _____

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: _____

Masiku, mavhiki na tin'hweti

Siku:

Hukuri 2015

Sonto	Musumbhunuku	Ravumbirhi	Ravunharhu	Ravumune	Ravuntlhanu	Mugqivela
	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 hlamula 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? _____



Hlamula swivutiso leswi landzelaka:

Xana N'wendzamhala yi na masiku mangani? _____

Xana N'wendzamhala yi na mavhiki mangani? _____

Xana vhiki ri na masiku mangani? _____

Xana xikolo xi pfala rini hi N'wendzamhala? _____

Xana ku humelela yini hi 25 N'wendzamhala? _____

Xana ku humelela yini hi 31 N'wendzamhala? _____

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



Khalara tinhlayo-fadzenga hi muhlovo wa xitshopana eka khalendara.

Xana u lemuka yini? _____

Khalara tinhlayo-ndzingano hi muhlovo wo tshuka eka khalendara.

Xana u lemuka yini? _____



Hetisa khalendara leyi. Tsala lembe na masiku.

Nyenyankulu _____

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		

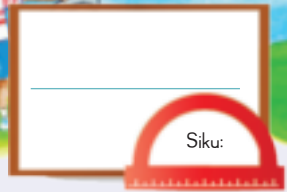


Teacher: _____

Sign: _____

Date: _____

Tipatironi ta tinomboro tin'wana



Kotara 4

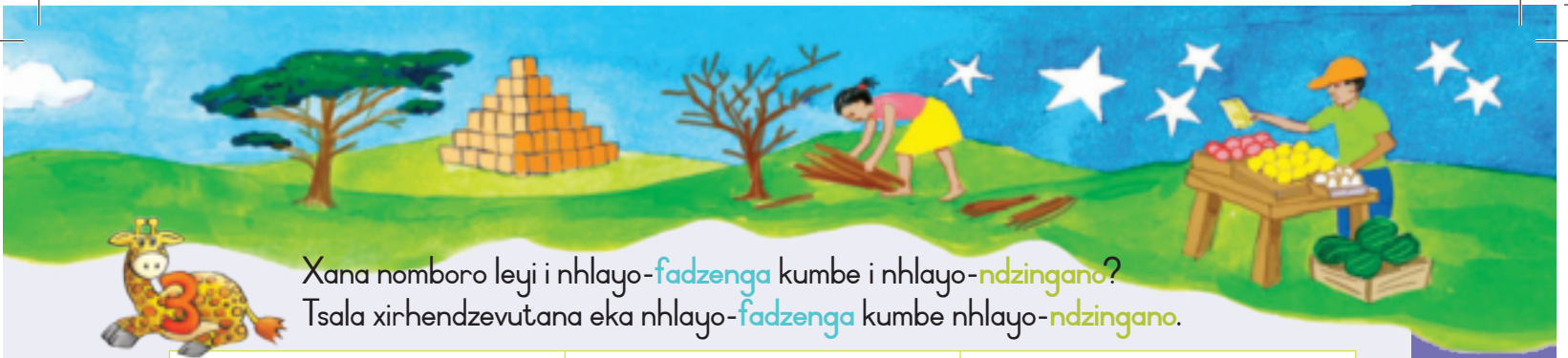
Hlamusela patironi eka bodo yin'wana na yin'wana.

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



Hetisa patironi.

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



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

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



Tsala tinomboro leti siyiweke ku hetisa patironi.

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

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

38, 45, 38, 45, , 45

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

, 78, 21, 11, 78, 21, 11, 78, 21, 11

Tsondzela tinomboro leti leswaku u pfuneka ku hlamula xivutiso.



Tsala tinomboro leti siyiweke ku hetisa patironi leyi vuyelalaka.

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,

11, 76, 11, 76, 11, 76, 11, 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: _____



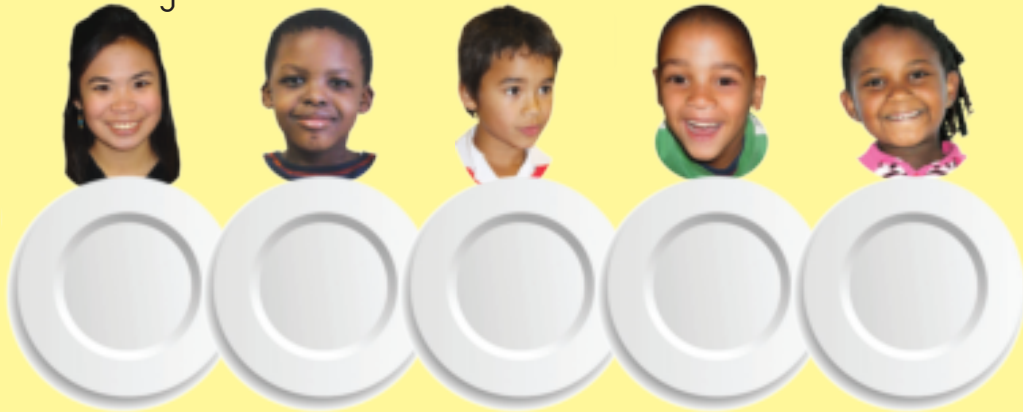
Ku avelana ko ringana loku letelaka eka swiphemu

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.

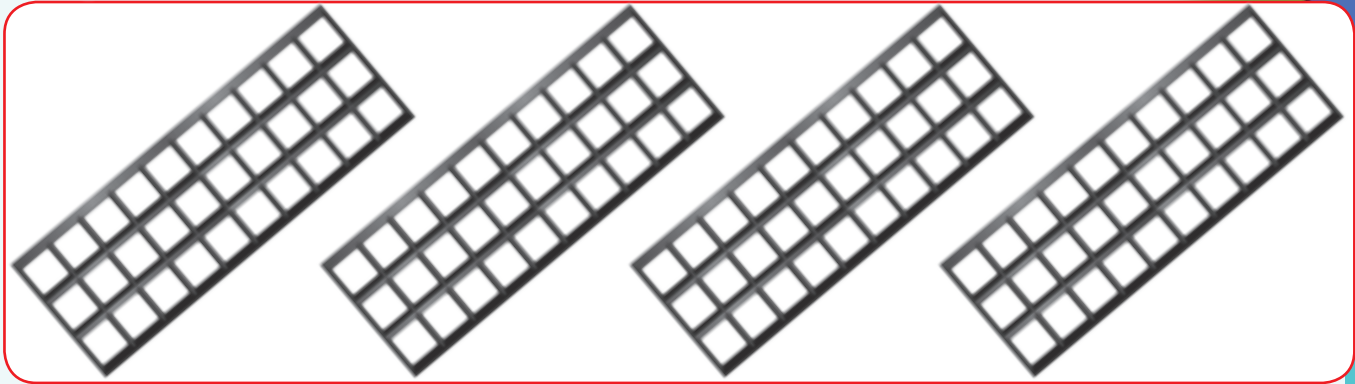
N'wana un'wana na un'wana u kuma n'we xa nharhu xa chokoleti.

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? _____

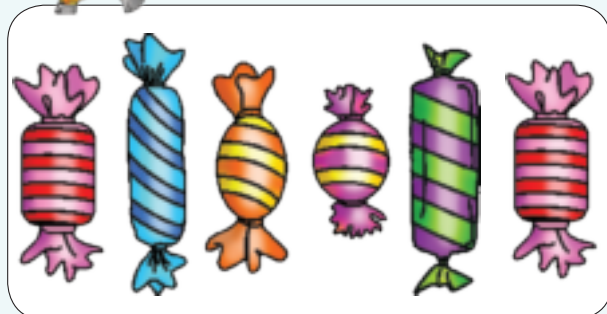
Khalara n'we-xa-ntlhanu xa chokoleti eka switina leswi swa mune? _____



Kombisa hafu yin'we ya leswi landzelaka.



Kombisa n'we-xa-nharhu xa swiwitsi.



Kombisa n'we-xa-ntsevu xa swiwitsi.

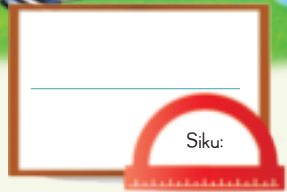


Ava ll wa switina swa chokoleti exikarhi ka vanghana va mune leswaku hinkwavo va kuma xiphemu xa chokoleti lexi ringanaka naswona ku hava lexi salaka.



Teacher: _____
Sign: _____
Date: _____

Ku leha



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

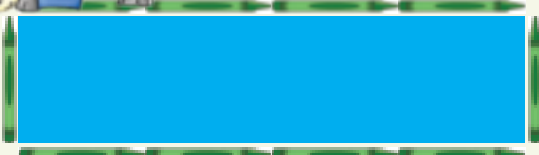


Tlhelo ro leha i tikhirayoni ta ____.

Tlhelo ro koma i tikhirayoni ti ____.



Hlamula leswi landzelaka.



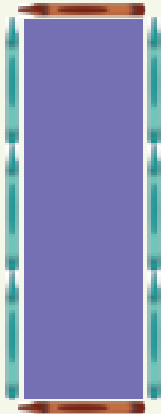
Tlhelo ro leha i tikhirayoni ta _____.

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?













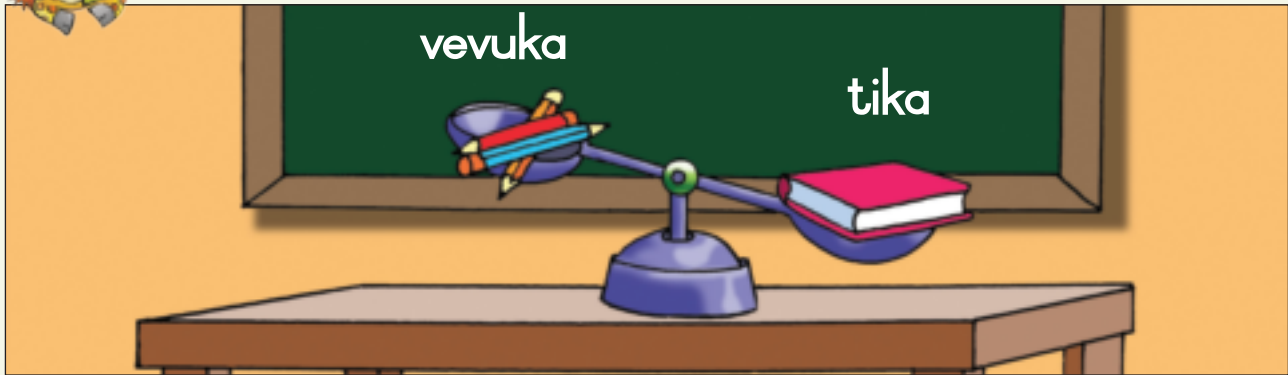


Teacher: _____
 Sign: _____
 Date: _____

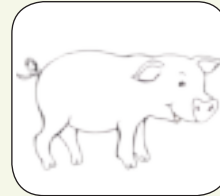
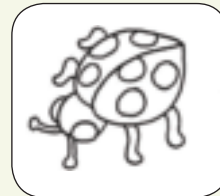
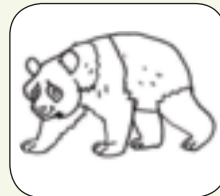
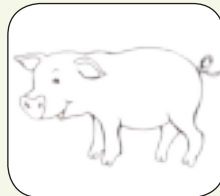
Ku tika na ku vevuka

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.

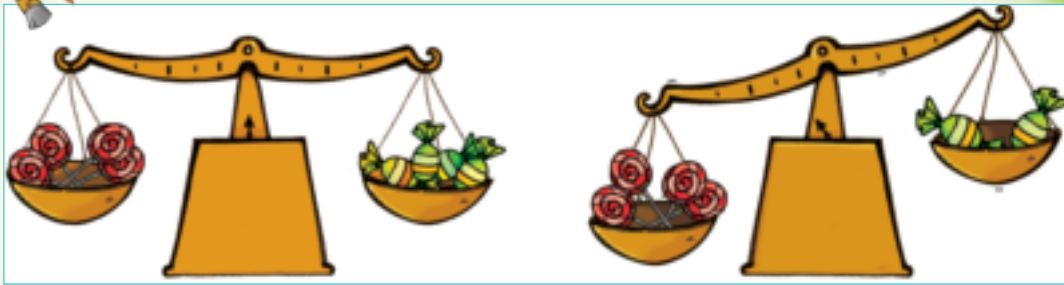


Languta xifaniso. Lava 2 wa swifaniso swa swilo swo vevuka. Swi namarhete laha.

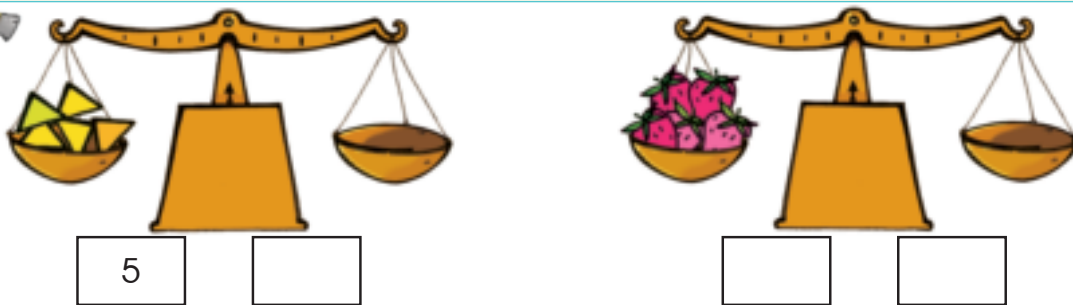




Vula loko swikalu swa ndzinganiso swi ringana kumbe swi nga ringani.



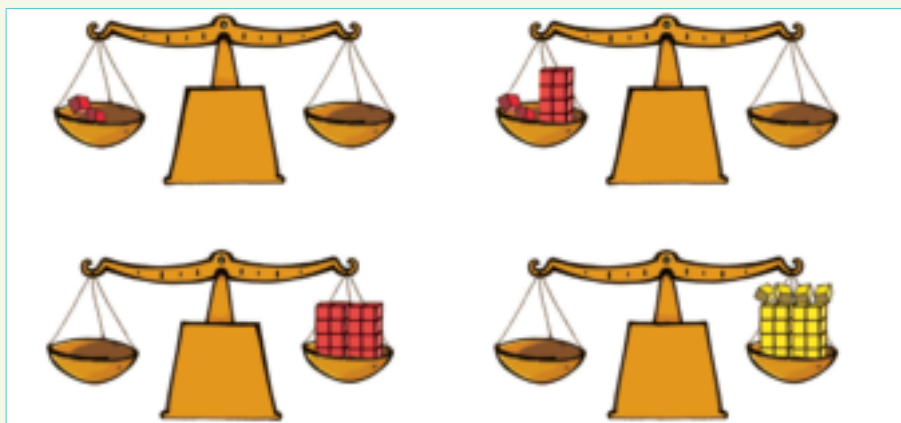
Endla leswaku xikalu xa ndzinganiso xi ringana. Dirowa xifaniso eka swikalu leswi nga riki na nchumu.



Dirowa swifaniso ku endla swikalo swi ringana.



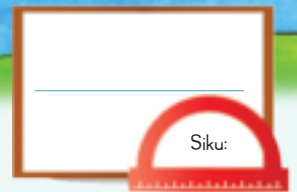
Engetela tibuloko ku ringanisa swikalu.  =  



Teacher: _____
Sign: _____
Date: _____



Ku avelana kun'wana loku letelaka eka swiphemu



Kotara 4

Ava maapula lawa exikarhi ka vanghana vanharhu.



Un'wana na un'wana u kumile maapula 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 12 wa malamula. Kiki u endla juzi hi n'we-xa-nharhu xa malamula. Xana u tirhisile malamula mangani?

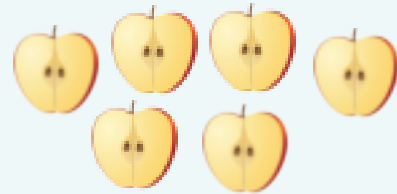


Maapula manharhu



ya tsemiwa hi tihafu.

I vana vangani lava nga ta kuma hafu? _____



Malamula ya mune eka xa-nharhu.



ya tsemiwa

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



Makalavatla mambirhi



ya tsemiwa eka xa-ntsevu.



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

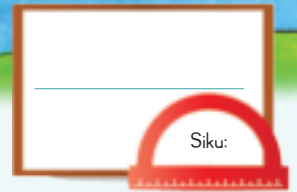


Mudzaberi wa netibolo u nyika mutlangi un'wana na un'wana hafu ya lamula. Ku na 14 wa vatlangi. Xana u fanele ku kuma malamula mangani?

Teacher:

Sign:

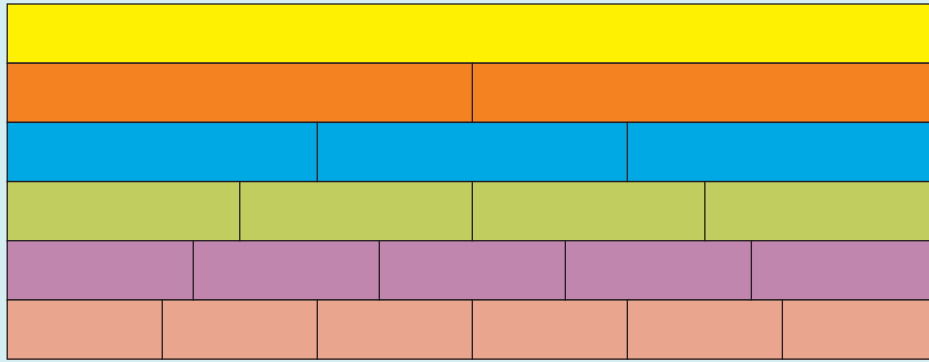
Date:



Swiphemu

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 ntlhanu

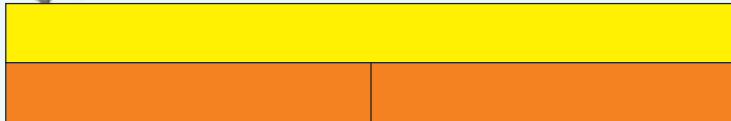
hafu yin'we

n'we-xa ntsevu

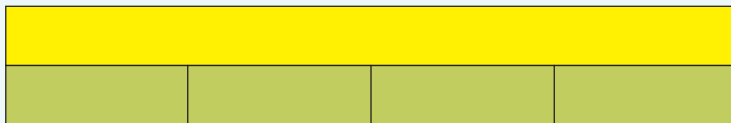
kotara yin'we



Hetisa leswi landzelaka.



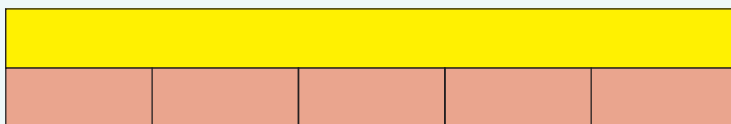
2 wa tihafu ti tanihi _____ xiheri.



4 wa tikotara ti tanihi _____ xiheri.



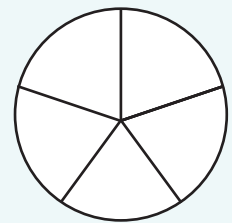
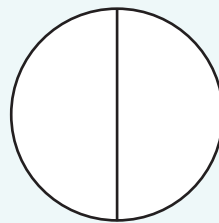
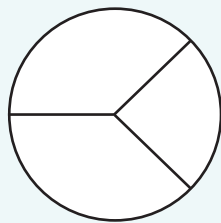
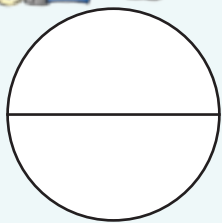
3 wa xa-nharhu swi tanihi _____ xiheri.



5 wa xa-ntlhanu swi tanihi _____ xiheri.



Khalara leswi landzelaka. Xana u lemuka yini?





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

hafu yin'we



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

n'we-xa nharhu

hafu yin'we

kotara yin'we

n'we-xa ntlhanu

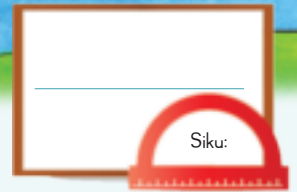
Vutisa manana wa wena kumbe muhlayisi wa wena leswi a nga ta xava swona:

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

Teacher:

Sign:

Date:



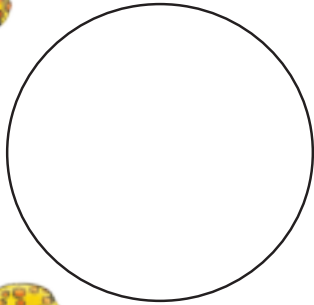
Swiphemu swin'wana

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

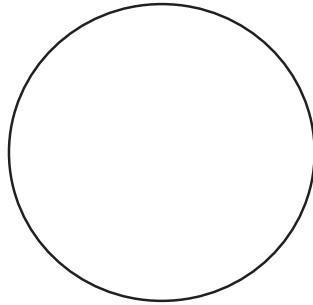


Munghana wa wena u kombela leswaku u avanyisa Pizza eka swiphemu leswi ringanaka. Dirowa u kombisa xin'wana na xin'wana.

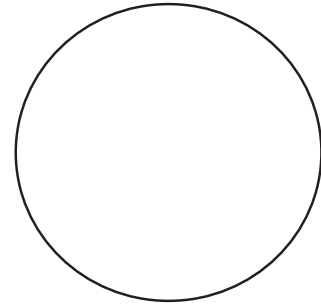
Tihafu



Swa-nharhu



Tikotara



Uwabisa nhlamulo leji faneleke.

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

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

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

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

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

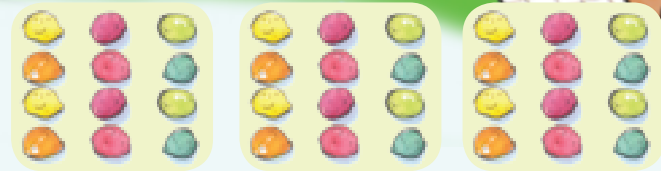
- Kotara yin'we kumbe
- Tikotara ta mune?

Hlamula swivutiso leswi landzelaka.

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



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



Ntlawa	1	2	3
Vana eka ntlawa	2	3	4
Xana munghana un'wana na un'wana u ta kuma tijelly tots tingani loko ti aviwa hi ku ringana?			
Grwajula 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.

Word cards for the giraffe:

- tikotara tinharhu
- nharhu-xa-nharhu
- tikotara timbirhi
- mbirhi-xa-nharhu
- mune-xa-ntlhanu
- tikotara ta mune
- ntlhanu-xa-ntlhanu
- nharhu-xa-ntlhanu
- kotara yin'we
- 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: _____



Siku: _____

Ku ringana ka swivumbeko



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



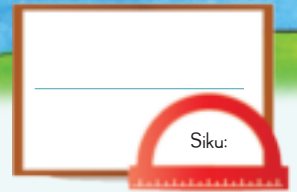
Dirowa ntila eka tlhelo rin'we ra xivumbeko leri fanaka na lerin'wana.



Dirowa tlhelo lerin'wana ra xivumbeko.



Teacher: _____
 Sign: _____
 Date: _____



Malongolokelo na swiphemu

Kotara 4

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

Leri i rixaxa.

Leyi i kholomu.

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

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



		<input type="text" value="6"/>		<input type="text"/>		<input type="text"/>
		<input type="text" value="3"/>		<input type="text"/>		<input type="text"/>

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



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

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



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

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



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



Hetisa tafula leri nga laha hansi.

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



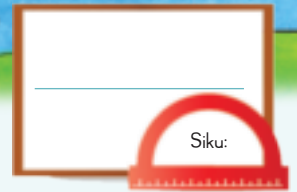
Tirhisa malongolokelo ku kombisa

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

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

hafu yin'we ya switiroberi kasi leyi saleke hinkwayo i ya vhanila 	kotara yin'we ya chokoleti kasi leyi saleke hinkwayo i ya vhanila. 	n'we-xa-nharhu xa kharamele kasi lexi saleke hinkwaxo i xa vhanila.
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Teacher: _____
 Sign: _____
 Date: _____



Xiphemu xa swihlengeletwa

Kotara 4

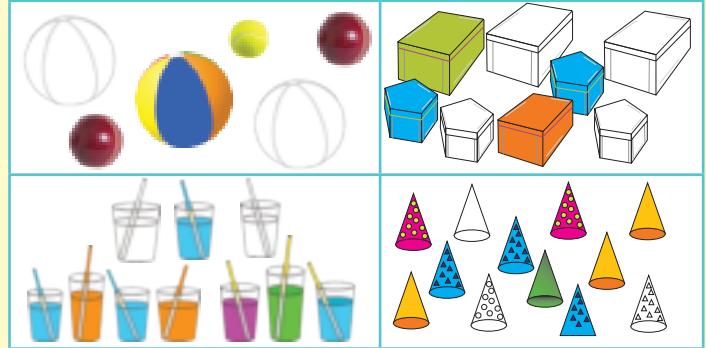
Languta tinhlamuselo kutani u ti yelanisa na swifaniso ku kombisa leswaku i xiphemu xihhi xa swilo lexi khalaraweke. Vulavula hi xona.

I hafu ya swihlengeletwa.

I-xa-nharhu xa swihlengeletwa.

I kotara ya swihlengeletwa.

I xa-ntlhanu xa swihlengeletwa.



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 nxavisio 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 tihhi? _____

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 tihhi? _____

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 tihhi? _____

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 tihhi? _____

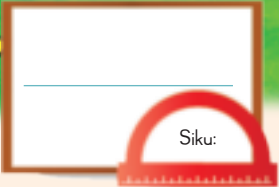
Dirowa xifaniso ku kombisa nhlamulo ya wena.



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



Teacher: _____
Sign: _____
Date: _____



Ku ringana eka tipatironi

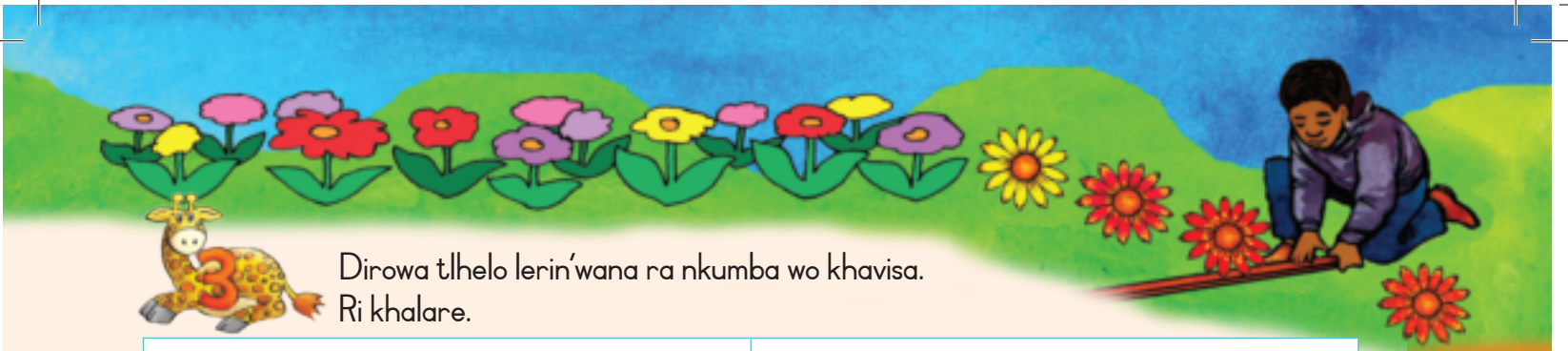
Kotara 4



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



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



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

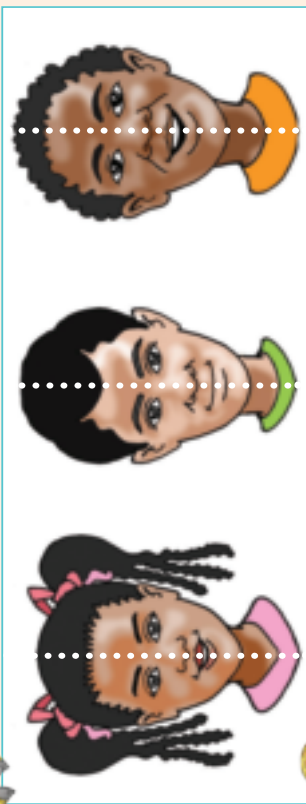
Teacher:

Sign:

Date:

Ndingano wun'wana

Languta swikandza leswi nga eswifanisweni. Xana tlhelo rin'we ra xikandza ra fana na lerin'wana xana?



Dirowa lajini eka tlhelo rin'we ra xikandza leri fanaka na lerin'wana.



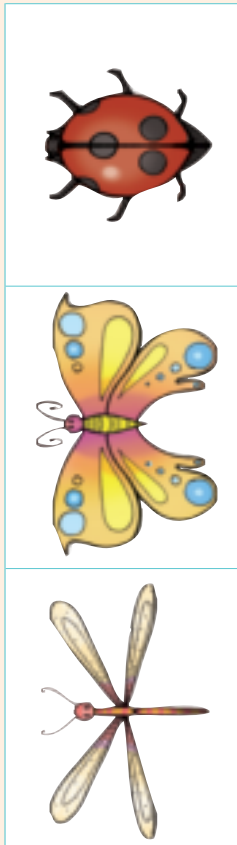
Dirowa tlhelo lerin'wana ra xikandza. Tipatirone ta tinomoro ti ta ku pfuna.



Languta swifaniso swa swivumbeko. Xana tlhelo rin'we ra xitsotso ra fana na lerin'wana?



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



Dirowa tlhelo lerin'wana ra xitsotso.

