

**Ku dyondza hi Vumbiwa ra Riphabliki 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 vuyeleli 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 hluvukisa tiko ra hina; naswona

Hi tshemba leswaku Afrika-Dzonga i ra hinkwavo lava tshamaka eka rona, hi hlanganile hi ku hambana-hambana ka hina.

Kutani, hi ku tirhisa vayimeri va hina lava hi tihlawuleleke vona hi ntshunxekile, hi amukela Vumbiwa leri 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 1  
TERMS 1 & 2  
ISBN 978-1-4315- 0003-1  
THIS BOOK MAY NOT BE SOLD.  
14th Edition**



MATEMATIKI HI XITSONGA – Giredi ya 2 Buku ya 1

ISBN 978-1-4315-0003-1

Leyi pfuxetiweke hi xiCAPS



Vito:

Tlilasi:



**basic education**

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA



MATEMATIKI HI XITSONGA

Buku ya 1  
Tikotara ta  
1 na 2

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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 kharikhulamu. Hi tiyisisa leswaku hi letela mudyondzisi eka ngingiriko 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

HI XITSONGA

Buku leyi i ya:



XITSONGA

Buku ya



Siku:

# Mina na ndyangu wa ka hina

Ndzi na malembe ya nhungu.



Nomboro ya yindlu ya ka hina i 12.



Ndzi lontsongo eka hinkwavo endyangwini wa ka hina.



Ndzi na vasesi vambirhi.



Tata wa mina u na 32 wa malembe.



Hetisa tinhlamulo ta swivutiso hi mayelana na wena na ndyangu wa ka n'wina.

Vito ra mina i \_\_\_\_\_.

Ndzi na malembe ya \_\_\_\_\_.

Malembe mambirhi lama nga hundza a ndzi ri na malembe ya \_\_\_\_\_.

Eka nkarhi wa lembe rin'we ndzi ta va ndzi ri na malembe ya \_\_\_\_\_.

Ndzi tshama e \_\_\_\_\_.

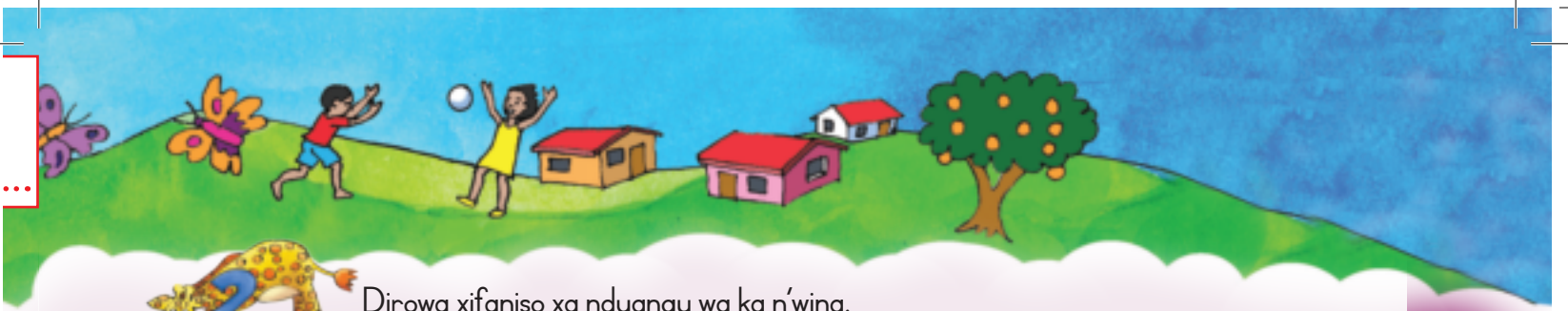
Xana i mani lonkulu eka hinkwenu endyangwini wa ka n'wina? \_\_\_\_\_.

Tsala leswaku u na malembe mangani. \_\_\_\_\_.

Xana i mani lontsongo eka hinkwavo endyangwini wa ka n'wina? \_\_\_\_\_.

Tsala leswaku u na malembe mangani \_\_\_\_\_.

Siku ra namuntlha i \_\_\_\_\_.



Dirowa xifaniso xa ndyangu wa ka n'wina.

A large, empty rectangular box with a dashed border, intended for the student to draw a picture related to the text above.

A row of numbers for tracing practice. On the left is a drawing of a yellow pencil with a red eraser and a blue band. To its right are the numbers 1 through 9, each formed by a series of dots. The numbers are: 1, 2, 3, 4, 5, 6, 7, 8, 9.



Teacher:  
Sign:  
Date:

|| 12 13 14 15 16 17 18 19 20

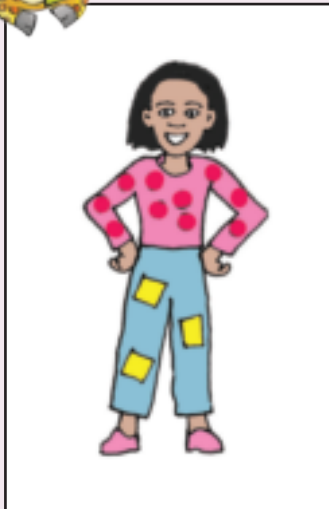


Siku:

Ku hlayela



Tata swivandla leswi nga riki na nchumu.



mahlo

	2
--	---

mathonsi

--	--

mavala

--	--



mahlo

--	--

mathonsi

--	--

mavala

--	--



mahlo

mathonsi

mavala



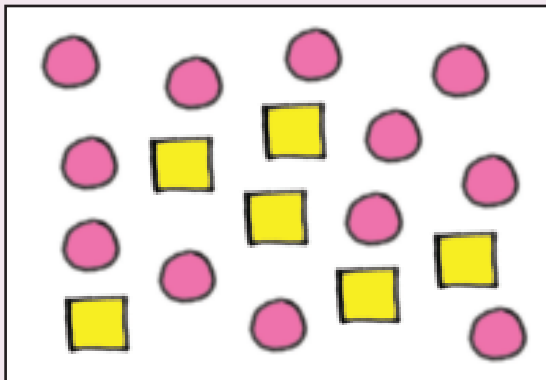

mahlo

mathonsi

mavala




Ava mathonsi na mavala hi ku ringana.



.....

.....

.....

.....



Teacher:  
Sign:  
Date:

Siku:

### Tinomboro



Hlaya mifungho ya tinomboro na marito lama nga exitsalelweni.

1	73	59	kaye	khumen'we
66	35		khumemune	ntsevu
42	97		khumenkombo	
24	32		mune	khume
			khumekaye	



Tsala nhlayo ya tibaluni ebulokweni yin'wana na yin'wana.




Tsala tinomboro leti landzelaka hi marito.

6	_____	12	_____
4	_____	17	_____
8	_____	14	_____
1	_____	22	_____
2	_____	18	_____
5	_____	11	_____
0	_____	20	_____
10	_____	15	_____
3	_____	13	_____
9	_____	16	_____



37 38 39 40 41 42 43 44

89 90 91 92 93 94 95 96



Teacher:

Sign:

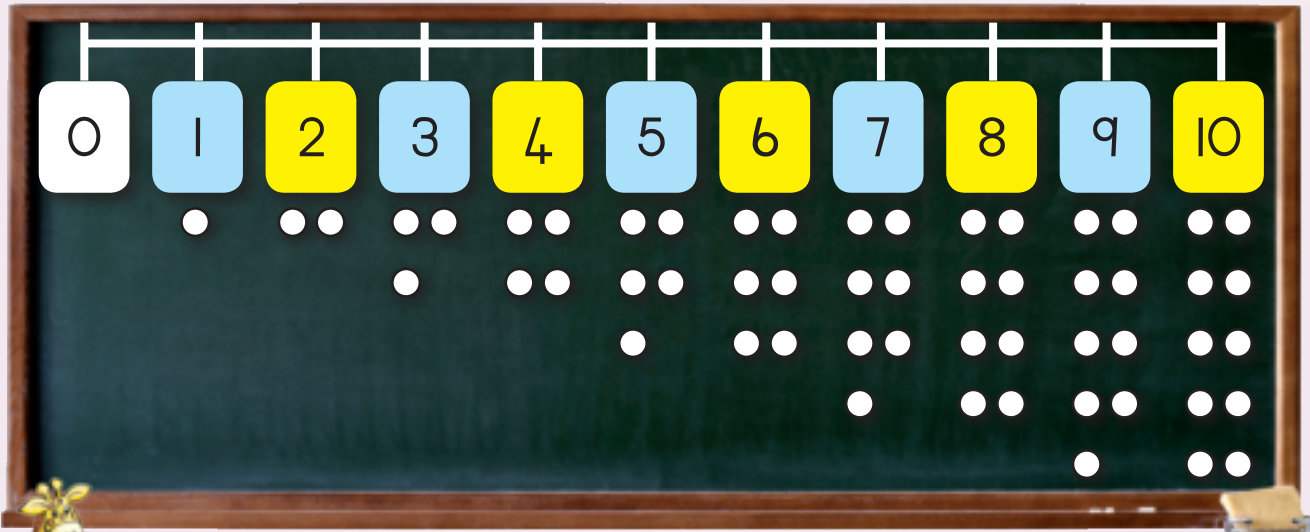
Date:

11 12 13 14 15 16 17 18 19 20



Siku:

Tinomboro tin'wana



Dirowa  $\triangle$  eka tinhlayo-ndzingano na  $\circ$  eka tinhlayo-fadzenga.

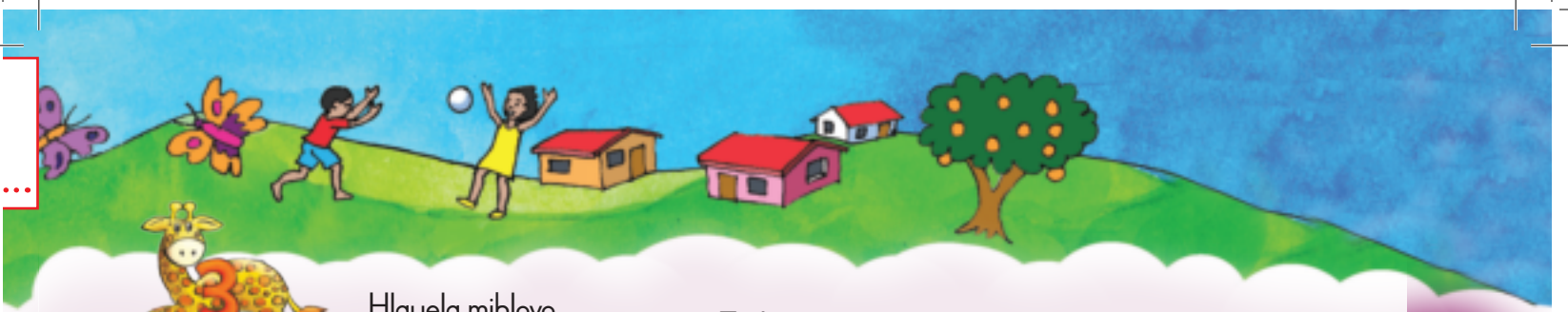


I	2	3	4	5	6	7	8	9	10
II	12	13	14	15	16	17	18	19	20

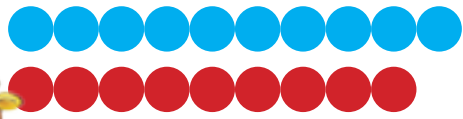
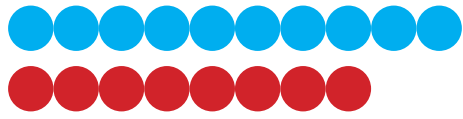
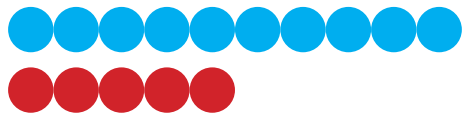


Nambara tindlu leti landzelaka.





Hlayela mihlovo  
leyimbirhi ya vuhlatu.



Tsala ntsengo wa:

$$10 + 2 = 12$$

$$10 + 3 = \square$$

$$10 + 5 = \square$$

$$10 + 8 = \square$$

$$10 + 9 = \square$$

Hi nga wu tsala tanihi:

$$10 + 2 = 12$$

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

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

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

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



Xana nhlamulo i yini?

$$10 + 1 = \square$$

$$10 + 8 = \square$$

$$10 + 5 = \square$$

$$10 + 9 = \square$$

$$10 + 2 = \square$$

$$10 + 4 = \square$$

$$10 + 6 = \square$$

$$10 + 3 = \square$$

$$10 + 7 = \square$$



1 3 5 7 9 11 13 15 17 19

2 4 6 8 10 12 14 16 18 20



Teacher:

Sign:

Date:

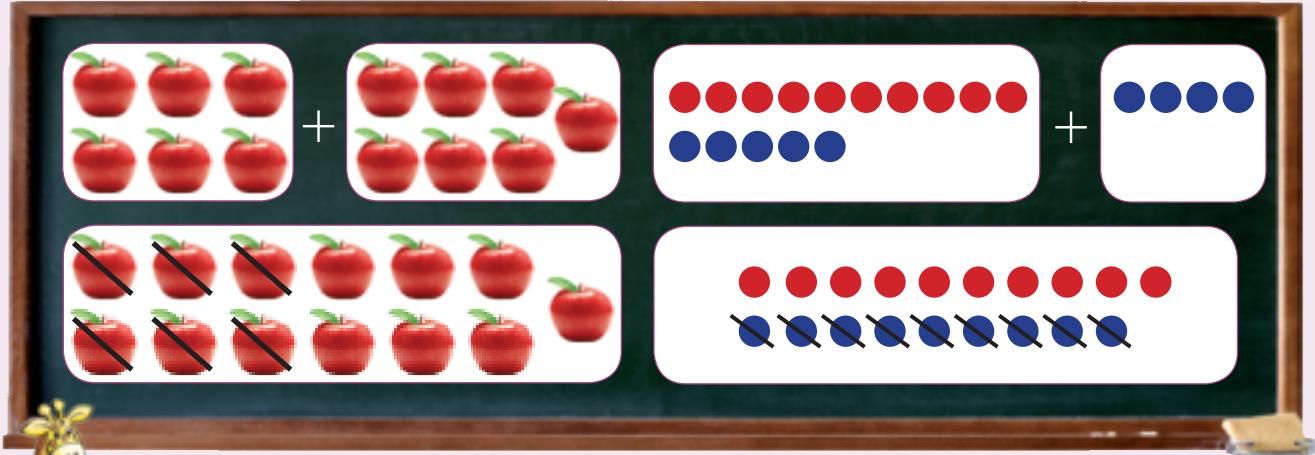
11 12 13 14 15 16 17 18 19 20

5

Siku:

Kotara ya I

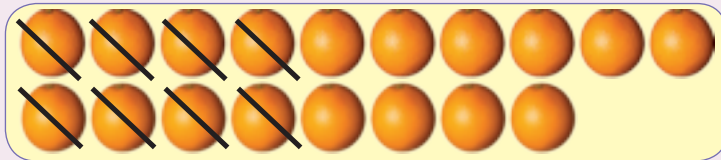
Ku hlanganisa na ku susa



Hlanganisa u tlhela u susa.



$9 + 8 = \boxed{17}$



$18 - 8 = \boxed{\phantom{00}}$



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



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

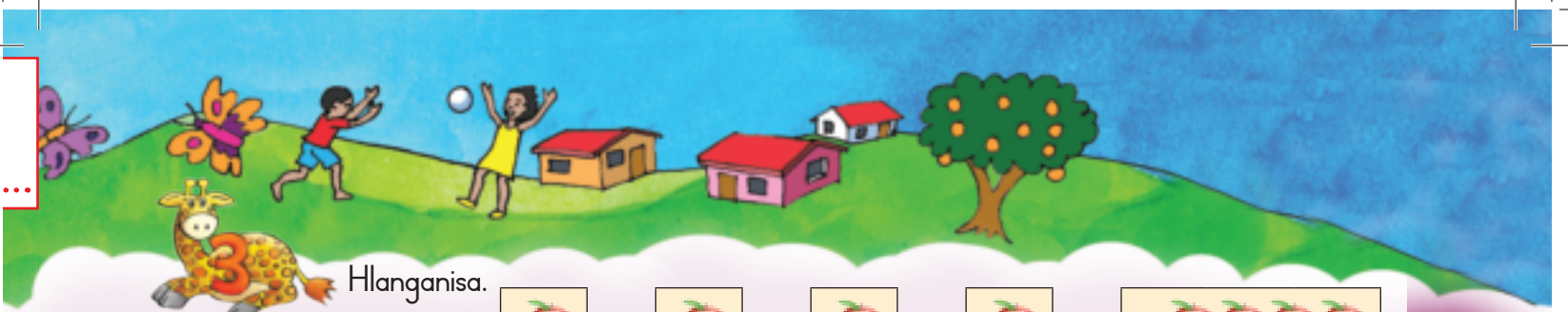


$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$



Khakhuleta.

$6 + 5 = \boxed{\phantom{00}}$	$8 + 9 = \boxed{\phantom{00}}$	$11 + 3 = \boxed{\phantom{00}}$	$12 - 5 = \boxed{\phantom{00}}$
$8 + 7 = \boxed{\phantom{00}}$	$3 + 8 = \boxed{\phantom{00}}$	$9 - 5 = \boxed{\phantom{00}}$	$16 - 9 = \boxed{\phantom{00}}$
$6 + 4 = \boxed{\phantom{00}}$	$8 + 4 = \boxed{\phantom{00}}$	$8 - 4 = \boxed{\phantom{00}}$	$6 - 4 = \boxed{\phantom{00}}$



Hlanganisa.

$$\begin{array}{ccccccc}
 \begin{array}{|c|} \hline \text{Apple} \\ \hline \end{array} & + & \begin{array}{|c|} \hline \text{Apple} \\ \hline \end{array} & + & \begin{array}{|c|} \hline \text{Apple} \\ \hline \end{array} & + & \begin{array}{|c|} \hline \text{Apple} \\ \hline \end{array} & = & \begin{array}{|c|} \hline \text{8 Apples} \\ \hline \end{array} \\
 2 & + & 2 & + & 2 & + & 2 & = & 8
 \end{array}$$

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



Khakhuleta.

$2 + 2 + 2 = \square$	$1 + 1 + 1 + 1 + 1 + 1 = \square$	$2 + 2 + 2 + 2 = \square$
$4 + 4 = \square$	$3 + 3 + 3 + 3 = \square$	$4 + 4 + 4 + 4 = \square$
$5 + 5 + 5 = \square$	$5 + 5 = \square$	$1 + 1 + 1 = \square$



$2 + 2 + 2 + 2 + 2 + 2$

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

6

Siku:

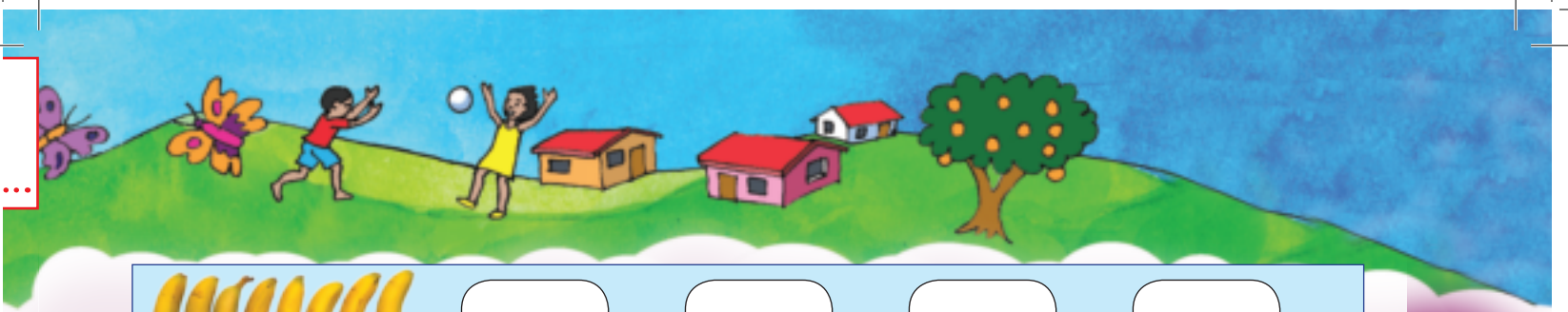
Kotara ya I

### Ku avelana na mali



Ava mihandzu leyi nga laha hansi.

	 4	 4	
	<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"/>



5 wa tšente	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>



Khalara swingwece leswi faneleke kumbe mali ya maphepha leswaku yi hlangana yi endla ntsengo lowu fanaka na wa xingwece xo sungula kumbe mali ya phepha yo sungula eka rixaxa rin'wana na rin'wana.

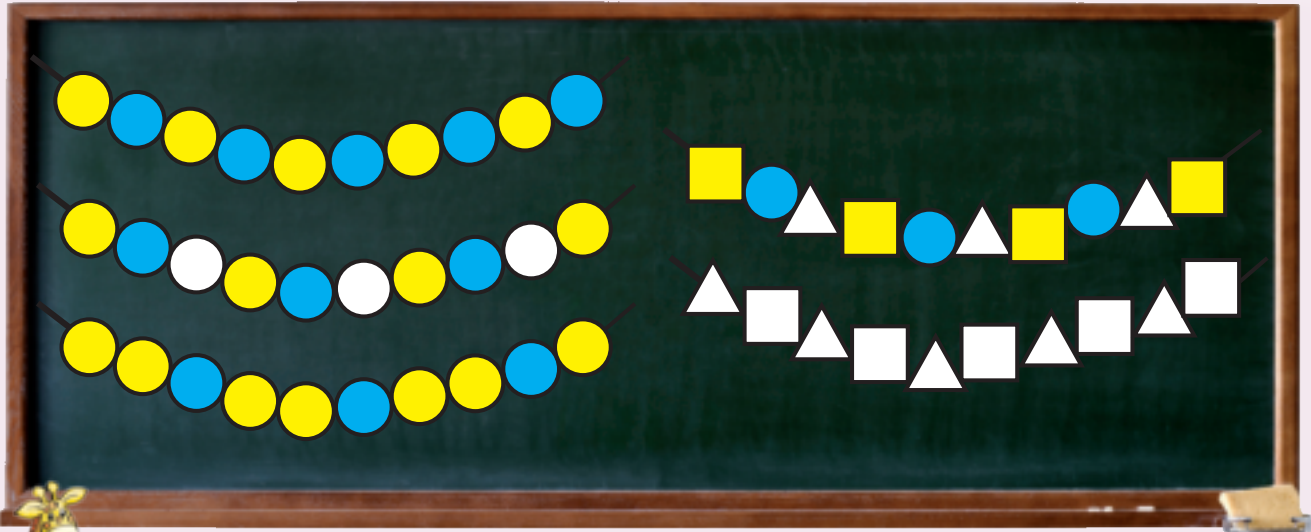
	=	10c	10c	5c	2c	1c	2c
	=	5c	2c	2c	1c	2c	2c
	=	R2	R2	R1	R1	R1	
	=	R5	R2	R1	R5	R1	R2
	=	R2	R2	R5	R5	R2	R1

R1 1c R5 5c R10

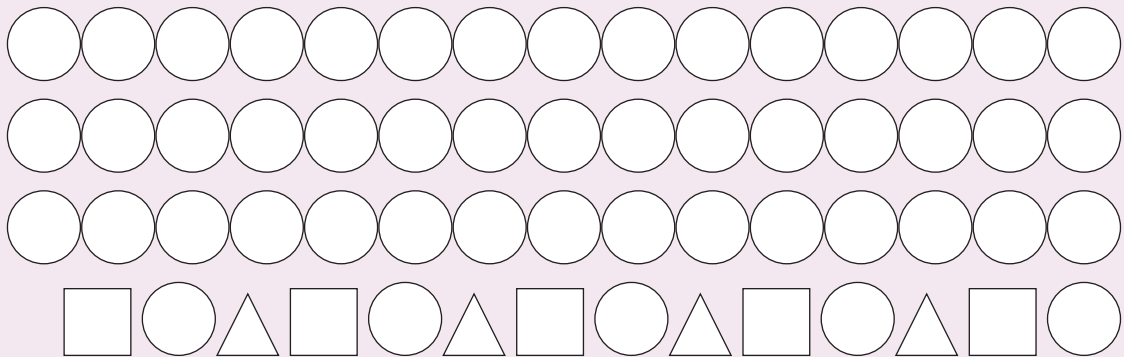


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Date: \_\_\_\_\_

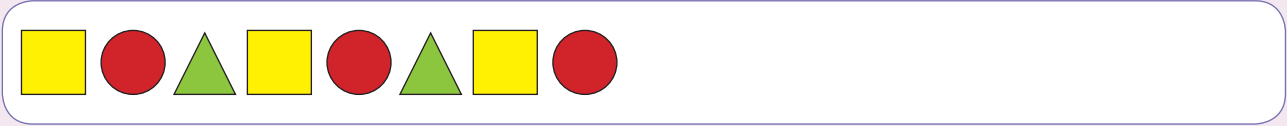
Tipatironi



Kopunula tipatironi leti nga exitsalelweni kutani u ti tsala eswivandleni leswi nga laha hansu.



Engetela patironi.





Khalara vuhlalu loko u ri karhi u hlayela hi vumbirhi.

2	4	6							



Khalara swiluva loko u ri karhi u hlayela hi vuntlhanu.

5	10	15							



Khalara vuhlalu loko u ri karhi u hlayela hi vukhume.

10	20	30							

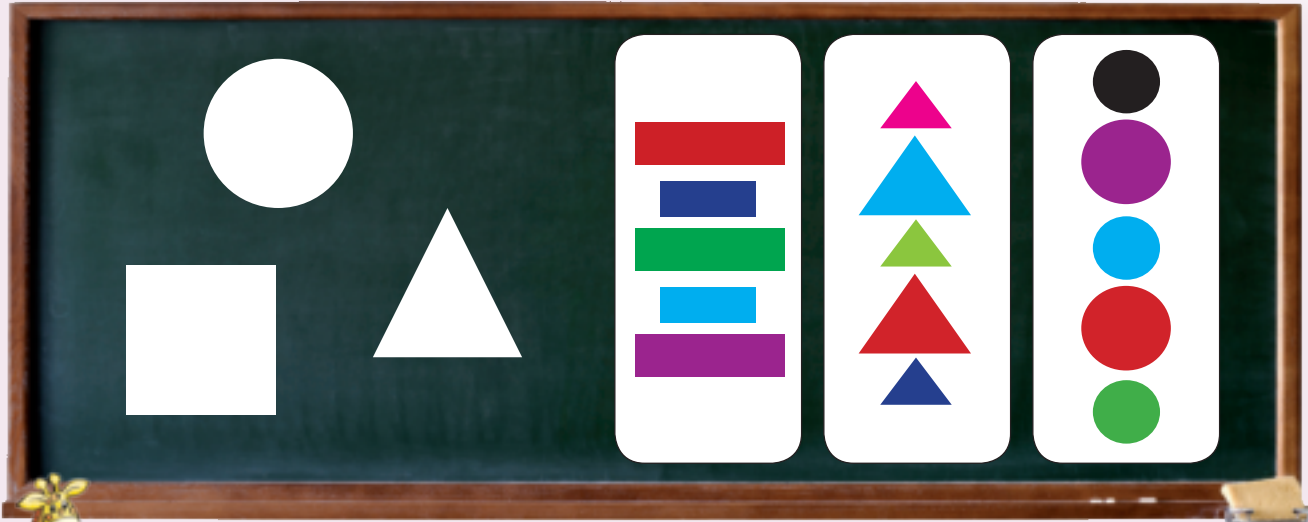
o u l a o u l a o u l a o u l a



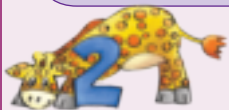
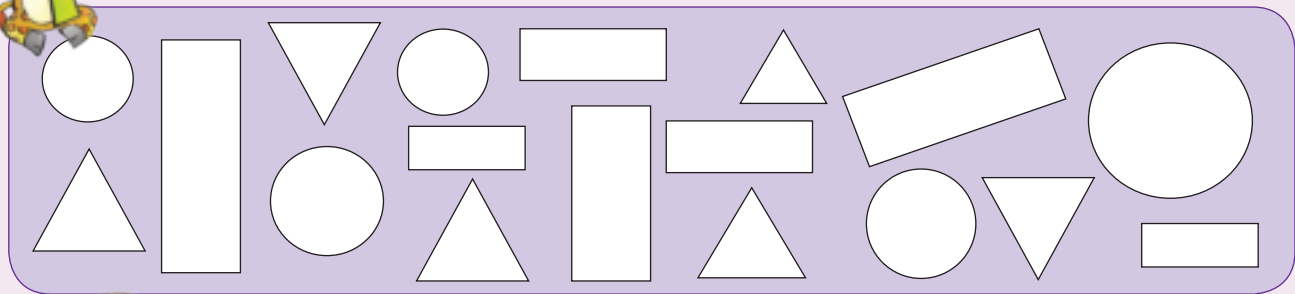
Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

Siku: \_\_\_\_\_

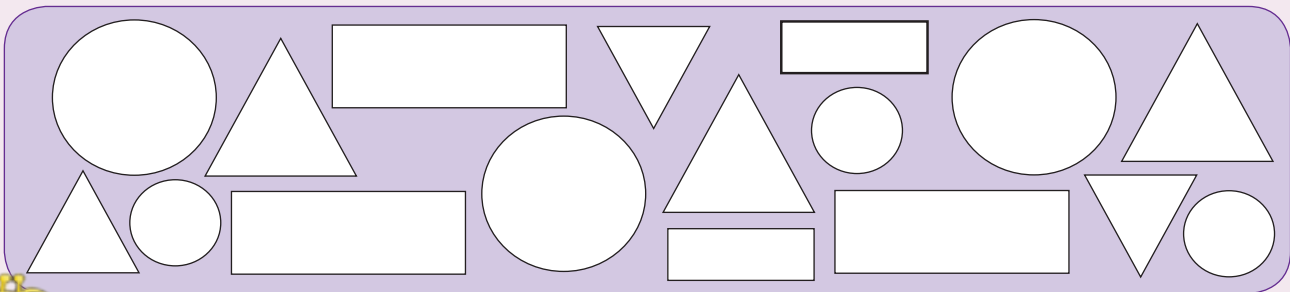
Swivumbeko



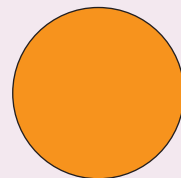
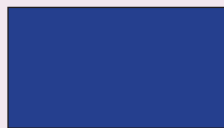
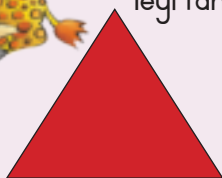
Khalara tiyinhlamune hi muhlovo wa wasi, swirhendzevutana hi wo tshwuka kasi tinhlanharhu hi xitshopana.



Khalara swirhendzevutana hinkwaswo leswikulu hi muhlovo wo tshwuka, tiyinhlamune hi wasi kasi tiyinhlhanharhu letitsongo hi xitshopana.



Xana matlhelo i yo thwixi kumbe i ya xirhendzevutana? Khalara nhlamulo leyi faneleke.



yo thwixi

xirhendzevutana

yo thwixi


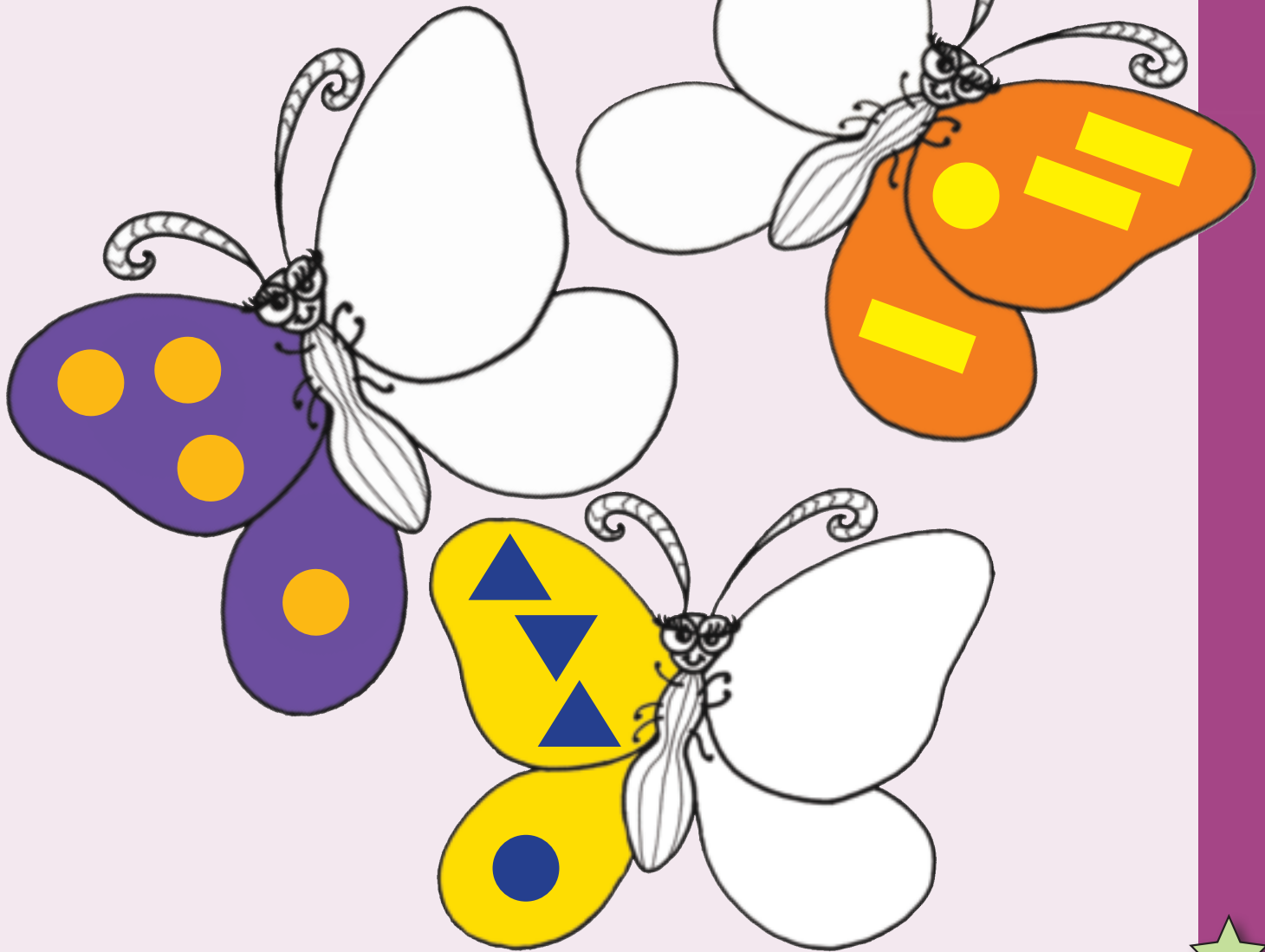
xirhendzevutana

yo thwixi

xirhendzevutana



Dirowa timpapa letin'wana ta maphaphatana.



O O O O O O O O O O O O O O O O

O Δ O Δ O Δ O Δ O Δ O Δ O Δ O Δ O

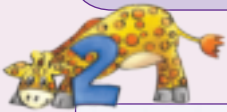
A tracing exercise box containing a pencil icon and two rows of dotted shapes for tracing. The first row consists of 14 circles, and the second row consists of 14 triangles.

Teacher:  
Sign:  
Date:

Tibolo na mabokisi



Bana xirhendzevutana eka mabokisi hi muhlovo wa wasi kasi tibolo hi muhlovo wo tshwuka.



Khalara nhlamulo leyi faneleke.



Bokisi ra

rheta

khunguluka




Bolo ya

rheta


khunguluka




Khalara nhlamulo leji faneleke.



makumu ya xirhendzevutana
makumu yo thwixi



makumu ya xirhendzevutana
makumu yo thwixi



makumu ya xirhendzevutana
makumu yo thwixi



makumu ya xirhendzevutana
makumu yo thwixi



makumu ya xirhendzevutana
makumu yo thwixi



makumu ya xirhendzevutana
makumu yo thwixi



makumu ya xirhendzevutana
makumu yo thwixi




makumu ya xirhendzevutana
makumu yo thwixi



Vula loko bolo yi ri endzhaku ka, emahlweni ka, etlhelo ka kumbe ehenhla ka bokisi.



etlhelo ka	endzhaku ka
ehenhla ka	emahlweni ka



etlhelo ka	endzhaku ka
ehenhla ka	emahlweni ka



etlhelo ka	endzhaku ka
ehenhla ka	emahlweni ka



etlhelo ka	endzhaku ka
ehenhla ka	emahlweni ka



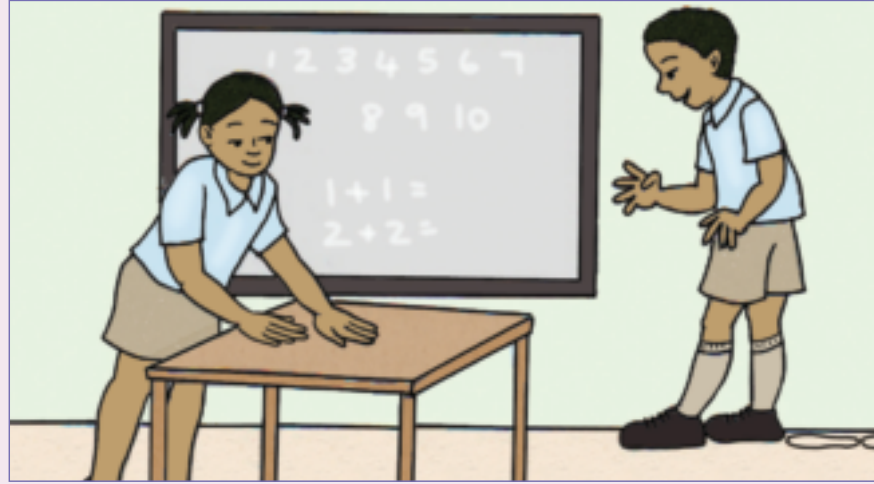
bolo bokisi



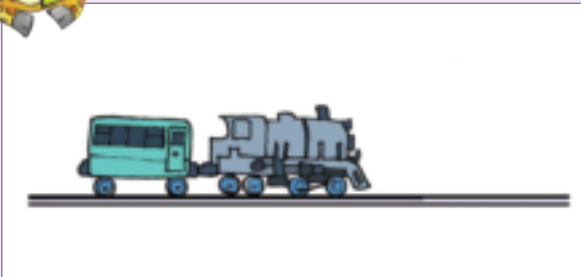
Teacher:  
Sign:  
Date:

## Ku leha

Xana va endla yini?

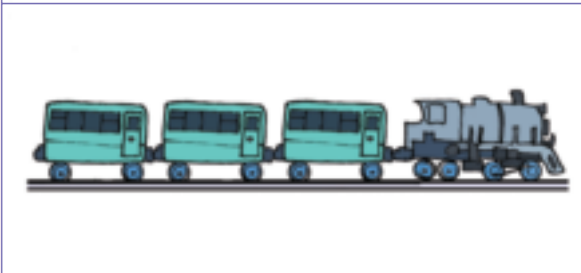


Xana i xitimela xihl lexi koma kumbe lexi nga leha?



koma

leha



koma

leha

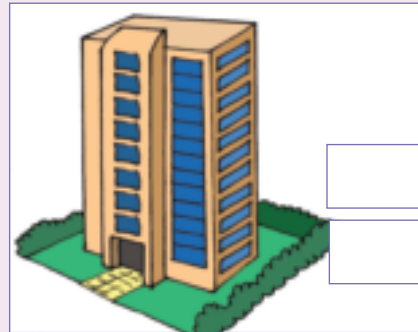


Xana i muako wihl lowu nga leha kumbe lowu nga koma?



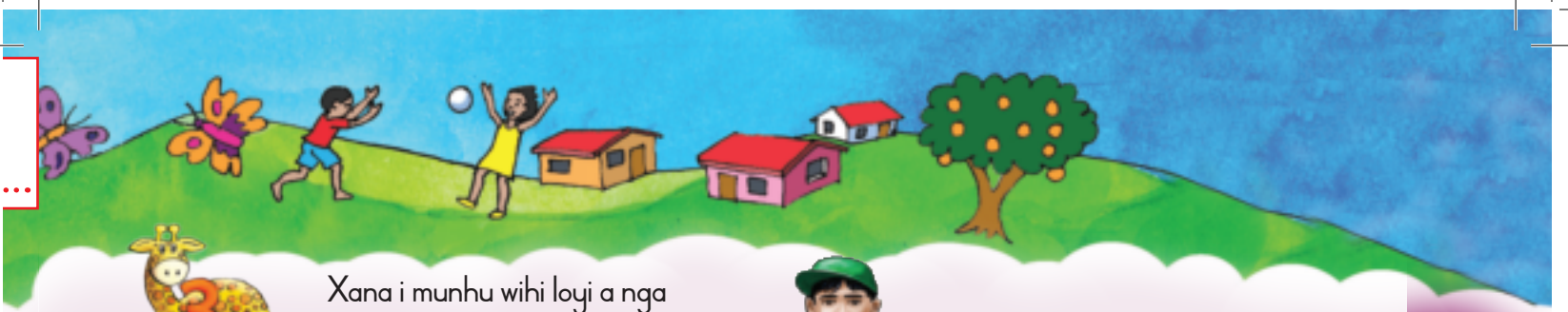
leha

koma



leha

koma



Xana i munhu wihl loyi a nga wo koma kumbe wo leha?



koma

koma

leha

leha



Tirhisa xitsemitwa xa l xa xandla. Xana yinhlamune leyi yi lehile ku ringana swandla swingani? Tirhisa xitsemitwa xa l xa nkondzo. Xana yinhlamune leyi yi lehile ku ringana mikondzo yingani?

→







Sweswi pima vulehi bya rekthengula hi swandla na mikondzo.

↑





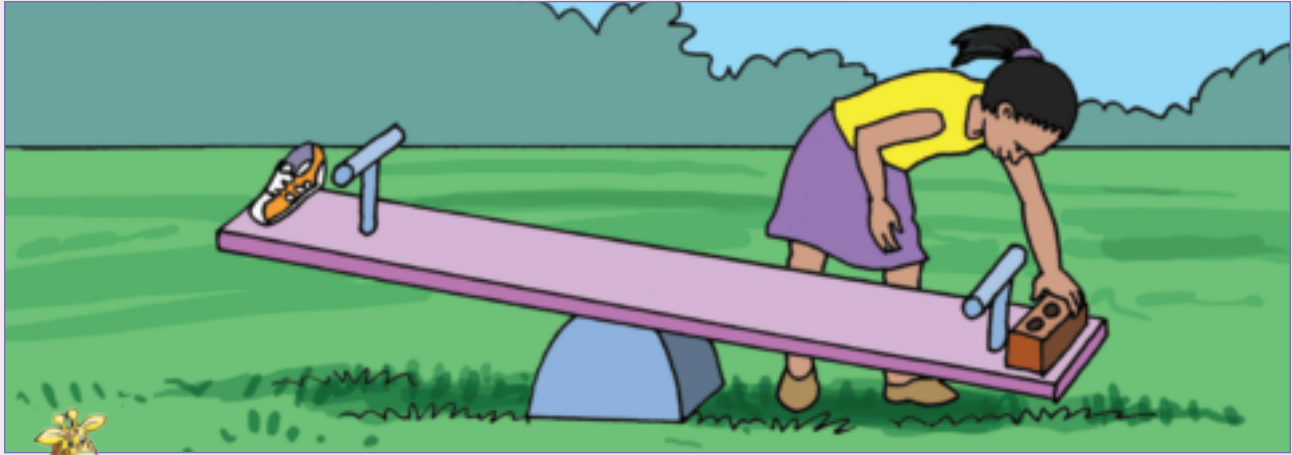

○
□
○
□
○
□
○



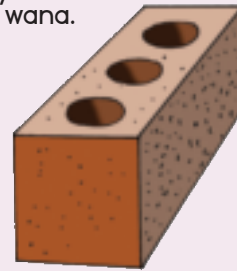
Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

Siku:

# Ntiko



Vula loko xanchumu xi tika kumbe xi vevuka ku tlula lexin'wana.



tika

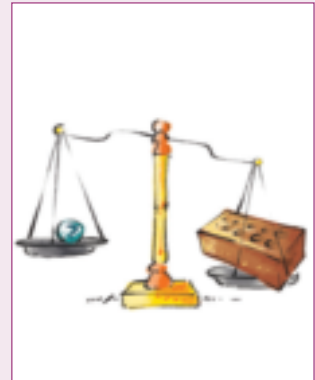
vevuka

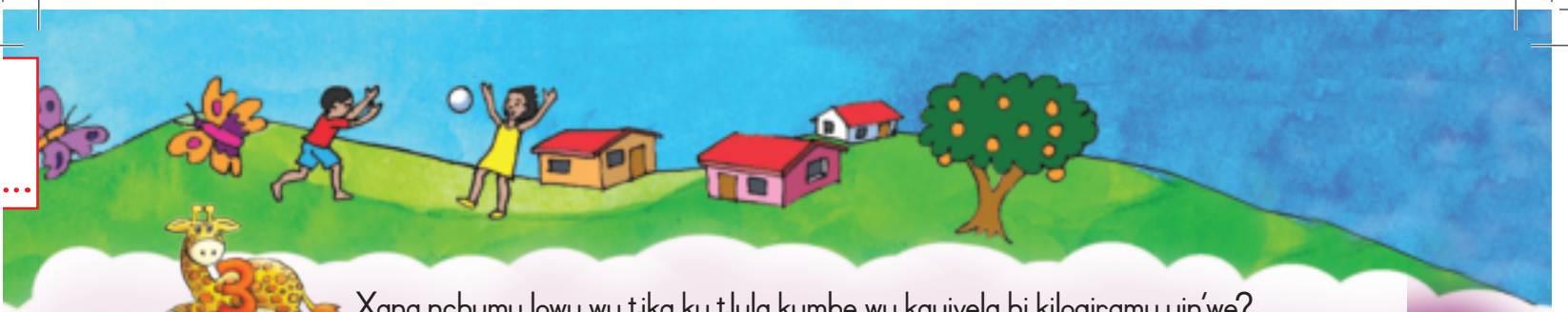
tika

vevuka



Bana xirhendzevutana eka nchumu wo tika.





Xana nchumu lowu wu tika ku tlula kumbe wu kayivela hi kilogiramu yin'we?



tika

vevuka



tika

vevuka



tika

vevuka



tika

vevuka

 ku tika no vevuka



Teacher:  
Sign:  
Date:

Vundzeni

Bulani hi xifaniso.



Khalara nhlamulo leyi faneleke.



xi tele

ku hava nchumu

hafu



xi tele

ku hava nchumu

hafu



xi tele

ku hava nchumu

hafu



xi tele

ku hava nchumu

hafu



xi tele

ku hava nchumu

hafu



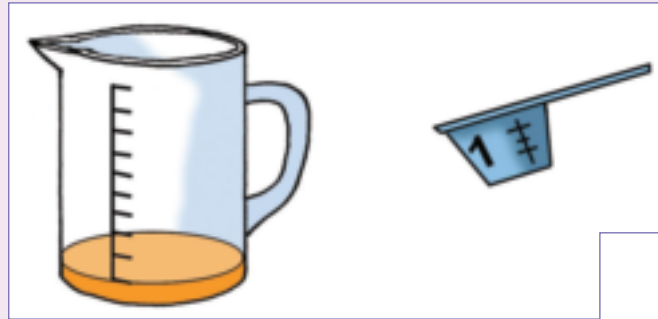
xi tele

ku hava nchumu

hafu

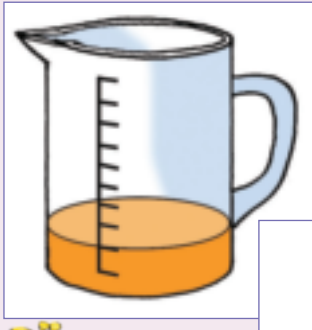


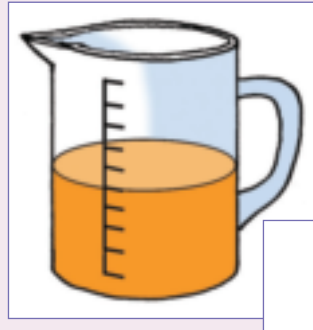
Mpimo wun'we wu tatisa eka xifungho xo sungula xa jeke.  
Xana i mipimo yingani leyi nga tatisaka jeke leyi?

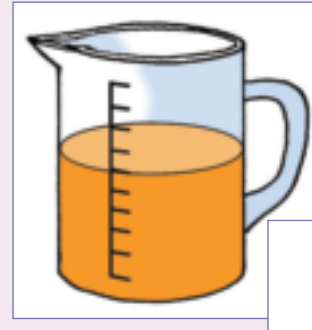




Xana i mipimo yingani leyi cheriweke eka tijeke leti?

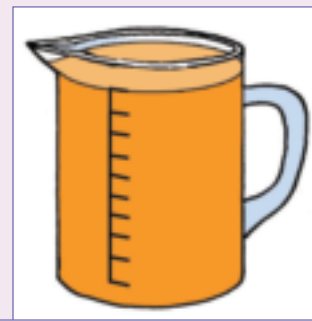
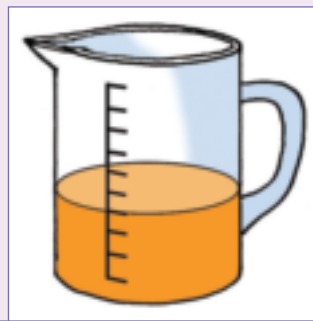








Jeke leyi nga eximatsini yi tata hi 1 litara ya juzi.  
Xana i jeke yihi leyi nga na juzi leyi ringanaka naswona hi yihi leyi yi nga na juzi leyitsongo?



leyi ringanaka

leyitsongo

leyi ringanaka

leyitsongo



ku tala no va hava nchumu



Teacher:

Sign:

Date:



## Nkarhi

Famba eka xitsemiwa xa I. Tsema marito kutani u ya namarheta ehansi ka swifaniso ku kombisa nkarhi wa siku.




Hetisa swivulwa.

Ndzi \_\_\_\_\_ nimixo swinene.

Ndzi \_\_\_\_\_ nimixo.

Ndzi \_\_\_\_\_ nindzhenga.

Ndzi \_\_\_\_\_ siku rin'wana na rin'wana.

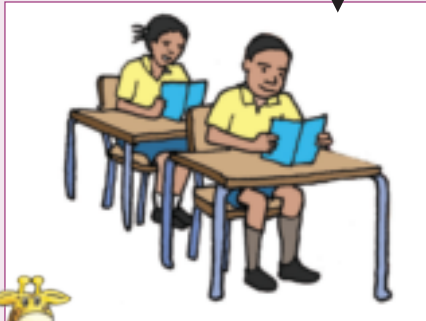
Ndzi \_\_\_\_\_ nivusiku masiku hinkwawo.



Tolo

Namuntlha

Mundzuku



Hlamula swivutiso leswi landzelaka.

Xana n'wana u endla yini namuntlha? \_\_\_\_\_

Xana n'wana u endlile yini tolo? \_\_\_\_\_

Xana n'wana u ta endla yini mundzuku? \_\_\_\_\_



Dirowa xifaniso xa wena.

Tolo	Namuntlha	Mundzuku



# Tolo

O I A O I A O I A O I A O



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

Siku:

Khalendara ya masiku ya ku velekiwa



Landzelerisa tin'hweti.

<p><b>Sunguti</b></p> <p>Sipho Tsakani Annie</p>	<p><b>Nyenyenyani</b></p> <p>Jeffrey Magezi</p>	<p><b>Nyenyankulu</b></p> <p>Sam Juan</p>	<p><b>Dzivamisoko</b></p> <p>Betty Liezal</p>	<p><b>Mudyaxihi</b></p> <p>Lettie Ricco Rhulani</p>	<p><b>Khotavuxika</b></p> <p>Mpho</p>
<p><b>Mawuwani</b></p> <p>Palesa Lisa Gavaza</p>	<p><b>Mhawuri</b></p> <p>Mbali Brenda Mary</p>	<p><b>Ndzati</b></p> <p>John</p>	<p><b>Nhlangula</b></p> <p>Karin Jaco</p>	<p><b>Hukuri</b></p> <p>Gugu Mixo</p>	<p><b>N'wendzanhala</b></p> <p>Kara Nsuku Denise</p>



Tsala vito ra n'wana un'wana na un'wana etlilasini ya n'wina eka khalendara ya masiku ya ku velekiwa.

Sunguti	Nyenyenyani	Nyenyankulu
Dzivamisoko	Mudyaxihi	Khotavuxika
Mawuwani	Mhawuri	Ndzati
Nhlangula	Hukuri	N'wendzanhala

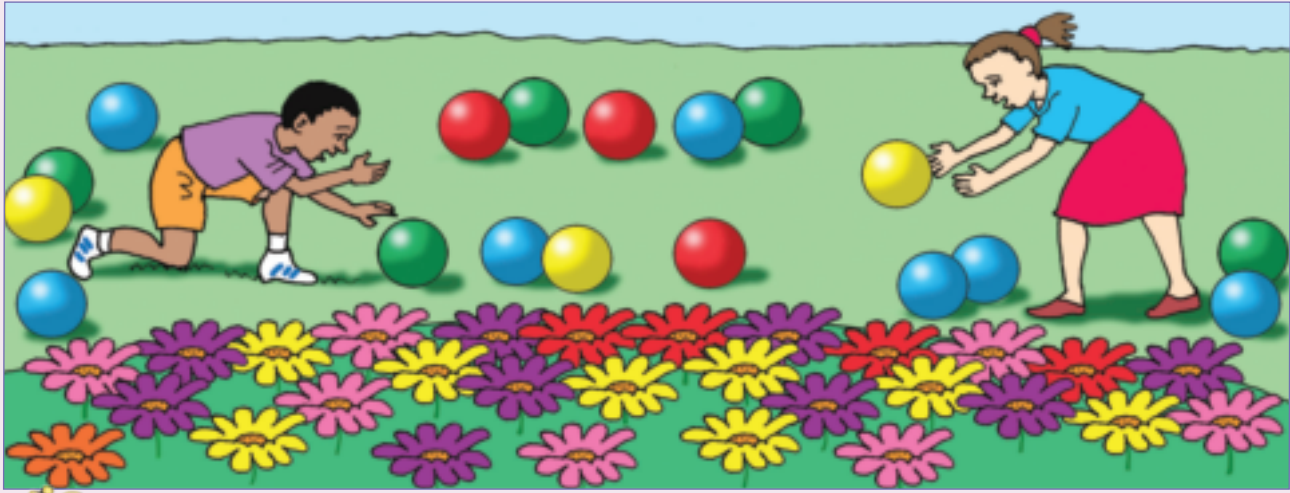
 Siku ra mina ra ku velekiwa ni hi



Teacher:  
Sign:  
Date:

Siku:

Ku hlengeleta no hlawula



Hlengeleta u tlhela u hlawula tibolo kutani u ti dirowa eka bokisi leri faneleke.



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tibolo ta rihlaza

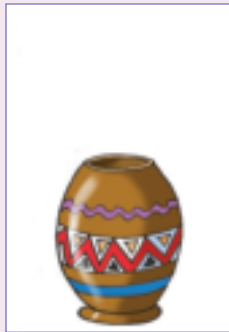
tibolo to tshwuka

tibolo ta wasi

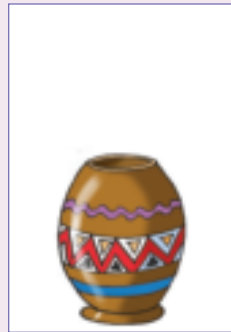
tibolo ta xitshopana



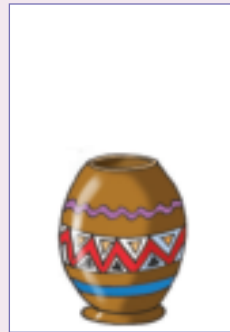
Hlengeleta swiluva u tlhela u swi hlawula.



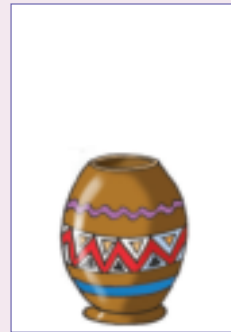
swiluva swa xitshopana



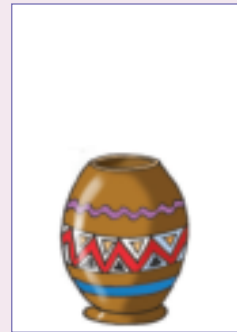
swiluva swo tshwuka



swiluva swa xivunguvungu



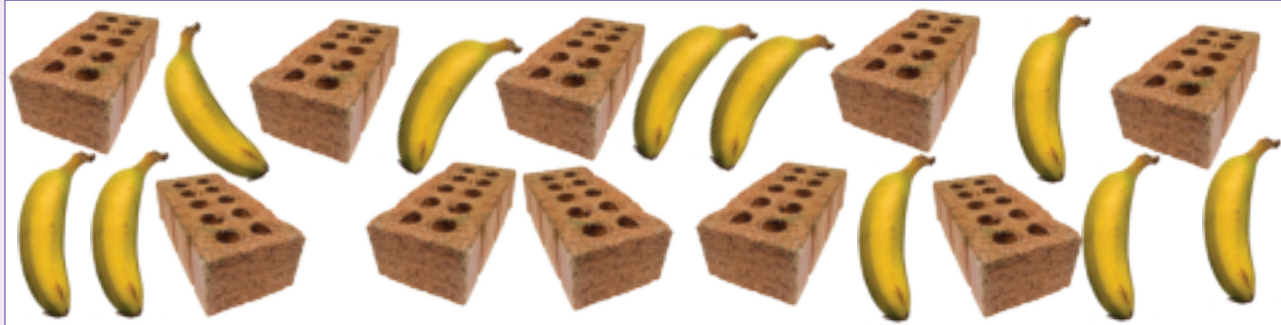
swiluva swa pinki



swiluva swa xilamula



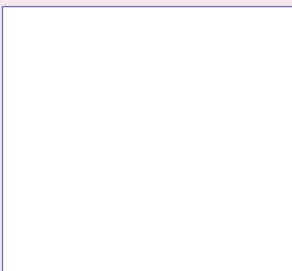
Hlawula swilo. Dirowa swifaniso swa wena.



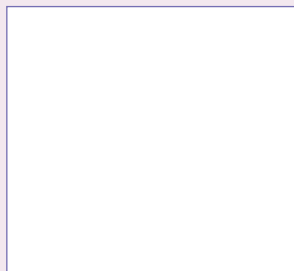
swilo swo vevuka



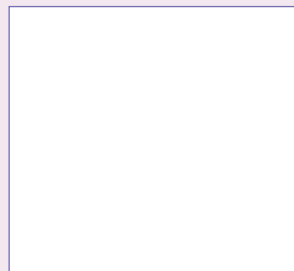
swilo swo tika



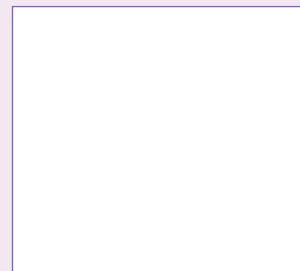
tibolo letitsongo



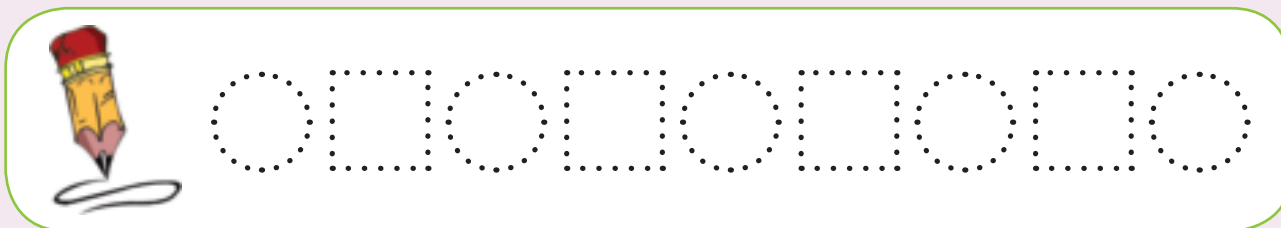
tibolo letikulu



mabokisi lamatsongo

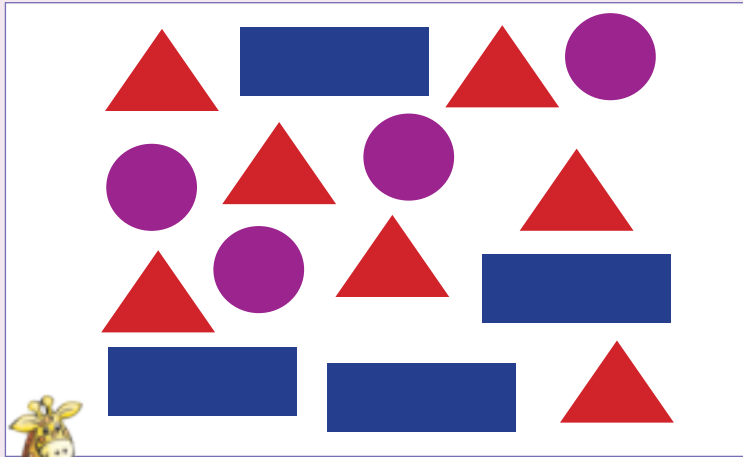


mabokisi lamakulu

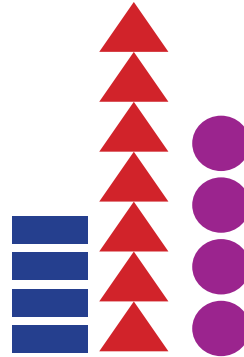


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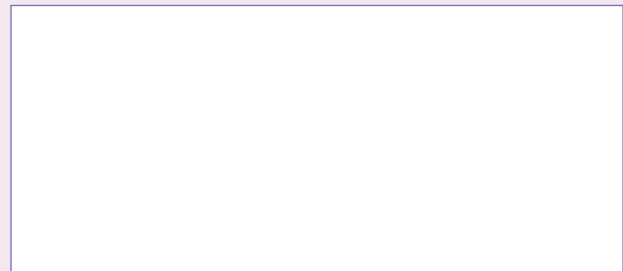
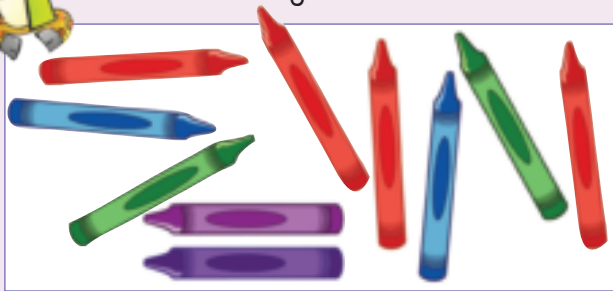
Ku hlaya no hlamusela



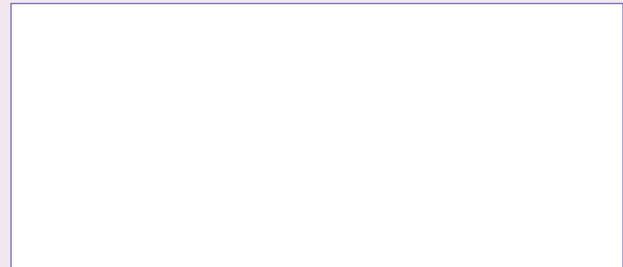
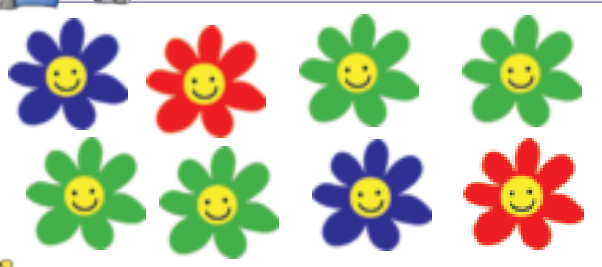
Xifaniso xa mina



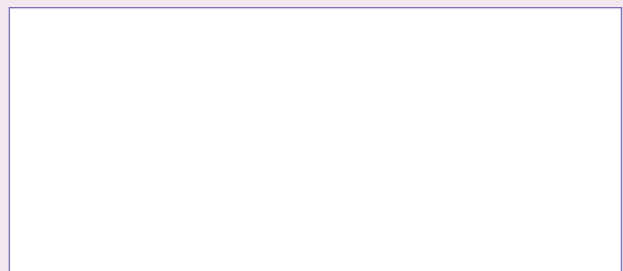
Hlawula tikhirayoni. Ti dirowe.



Hlawula swiluva. Swi dirowe.






Hlawula mapapa na mikwangulatio. Swi dirowe.





Hlamula swivutiso.

		
tijnhlanharhu	tiyinhlamune	swirhendzevutana

Xana ku na tijnhlanharhu tingani?

Xana ku na tiyinhlamune tingani?

Xana ku na swirhendzevutana swingani?

Xana ku na tijnhlanharhu kumbe tiyinhlamune to tala?

Xana ku na swirhendzevutana kumbe tijnhlanharhu to tala?

Xana ku na swirhendzevutana kumbe tiyinhlamune to tala?

		
ku hava nchumu	hafu	ya tele

Xana ku na tijeke to va hava nchumu tingani?

Xana ku na tijeke leti nga tala hafu tingani?

Xana ku na mabodhlela lama nga tala mangani?



O
Δ
O
Δ
O
Δ
O
Δ



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

# Emahlweni, endzhaku na le xikarhi

Hlamusela tinomboro hi ku tirhisa marito ya emahlweni ka, exikarhi ka na endzhaku ka.

Xikombiso: Bolo yin'wana na yin'wana yo tshwuka yi le xikarhi ka tibolo timbirhi ta wasi.

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Tsala tinomboro leti faneleke eswikwereni.

4      6      8

emahlweni ka    exikarhi ka    endzhaku ka

    18     

emahlweni ka    exikarhi ka    endzhaku ka

         25

emahlweni ka    exikarhi ka    endzhaku ka

         16

emahlweni ka    exikarhi ka    endzhaku ka

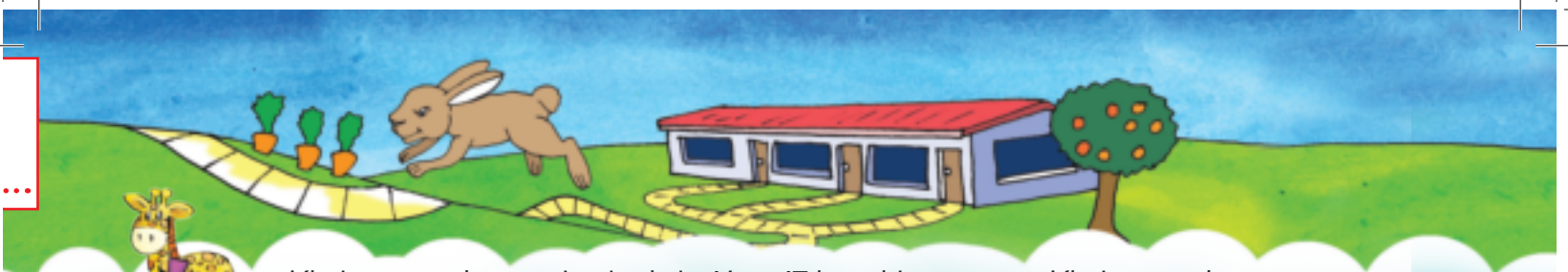
Tata tinomboro leti siyiweke.

	2			5		10			13		
	12			15			17			20	
13			16			20					25

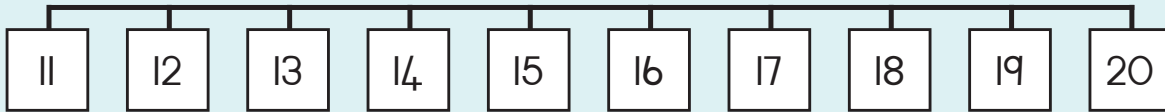
Xana i nomboro yihle leyi nga emahlweni ka **8**? \_\_\_\_\_

Xana i nomboro yihle leyi nga endzhaku ka **16**? \_\_\_\_\_

Xana i tinomboro tihle leti nga exikarhi ka **8** na **12**? \_\_\_\_\_



Khalara tinomboro ta le xikarhi ka 14 na 17 hi muhlovo wa wasi. Khalara nomboro ya le mahlweni ka 14 hi muhlovo wo tshwuka. Khalara nomboro ya le ndzhaku ka 17 hi xitshopana.



Tsala tinomboro hinkwato leti nga evuhlalwini bya xitshopana. Xana hi ti vula yini tinomboro leti nga evuhlalwini bya xitshopana?

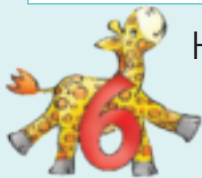
Tsala tinomboro hinkwato leti nga evuhlalwini bya pinki. Xana hi ti vula yini tinomboro leti nga evuhlalwini bya pinki?



Ava vuhlalu bya xitshopana exikarhi ka vana lava ambaleke swa xitshopana.

Xana un'wana na un'wana u kuma vuhlalu byingani? \_\_\_\_\_ . Xana ku na vuhlalu lebyi saleke? \_\_\_\_\_

Ava vuhlalu bya pinki exikarhi ka vana lava ambaleke swa pinki. Xana un'wana na un'wana u kuma vuhlalu byingani? \_\_\_\_\_ . Xana ku na vuhlalu lebyi saleke? \_\_\_\_\_ .



Hlamula swivutiso leswi landzelaka.

Xana i nhlayo-ndzingano yihi leyi taka endzhaku ka 12? \_\_\_\_\_

Xana i tinhlayo-fadzenga yihi leyi taka xikan'wekan'we endzhaku ka 14? \_\_\_\_\_

Xana i tinhlayo-fadzenga tihi leti taka exikarhi ka 18 na 24? \_\_\_\_\_

Tsala tinhlayo-ndzingano ta le xikarhi ka 8 na 18. \_\_\_\_\_



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



Siku:

Tinomboro ta I – 30



Xana ku na vuhlalu byingani?



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



Xana ku na tibuku tingani?





Tata tinomboro leti sijiweke.

14	12	15	17	19	13	26	28	21	30
10   4	2	10	7	10					

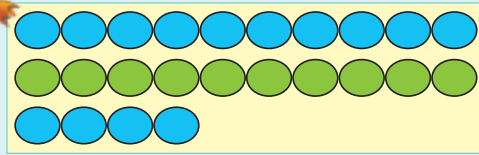


Languta xikombiso xo sungula kutani u hetisa leswi landzelaka.

18	=	1	vukhume	+	8	van'we	kumbe	18	=	10	+	8
15	=		vukhume	+		van'we	kumbe		=		+	
19	=		vukhume	+		van'we	kumbe		=		+	
22	=		vukhume	+		van'we	kumbe		=		+	
24	=		vukhume	+		van'we	kumbe		=		+	



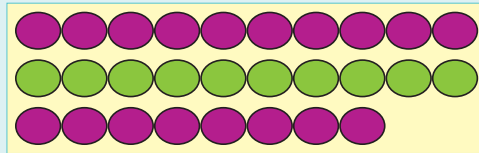
Xana ku na vuhlalu byingani?



Nhlayo

Hi nga swi tsala tanihi

$$20 + \square = 24$$



Nhlayo

Hi nga swi tsala tanihi

$$20 + \square = 28$$



Tsala hi marito.

10	_____	11	_____
12	_____	13	_____
14	_____	15	_____
16	_____	17	_____
18	_____	19	_____
20	_____	21	_____
22	_____	23	_____
24	_____	25	_____



Languta xikombiso xo sungula kutani u hetisa leswi landzelaka.

25	=	2	vukhume	+	5	van'we	22	=	2	vukhume	+	2	van'we
13	=		vukhume	+		van'we	21	=		vukhume	+		van'we
26	=		vukhume	+		van'we	19	=		vukhume	+		van'we



Teacher:

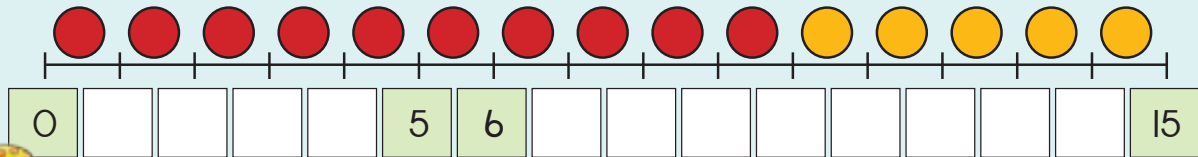
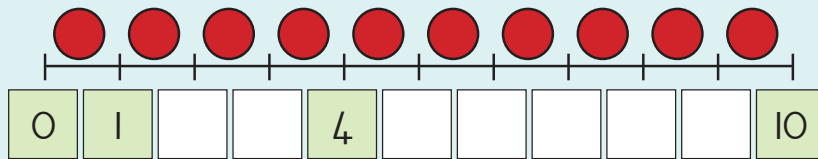
Sign:

Date:

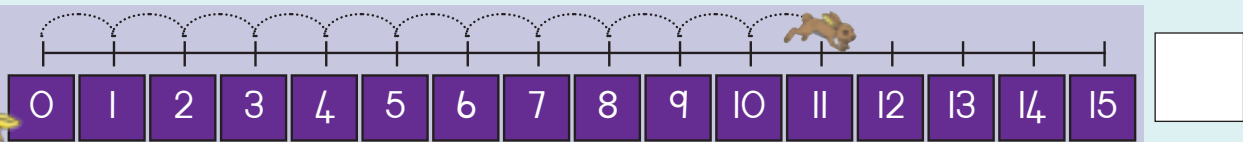
Mindzhati ya mitsengo



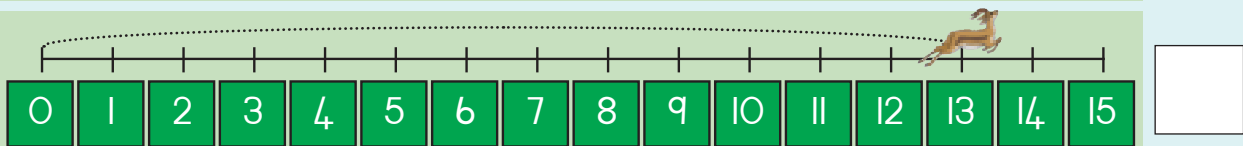
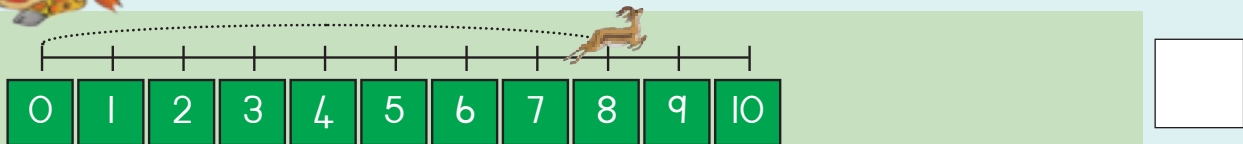
Tsala tinomboro leti siyiweke.



Xana mpfundla wu tlule ku fika kwihi? Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.

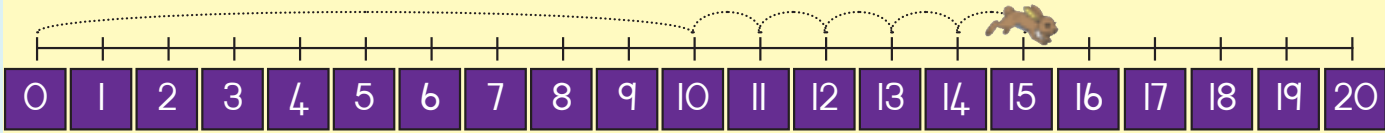


Xana mhala yi tlule ku fika kwihi? Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.



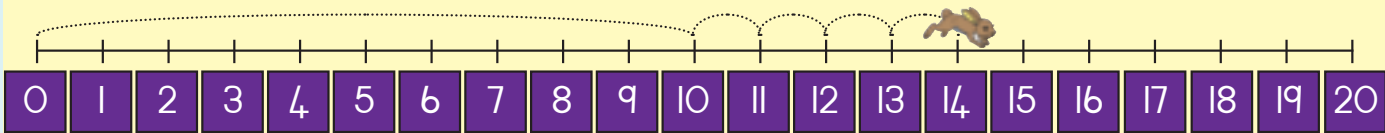


Xana mpfundla wu tlule ku fika kwihi? Hetisa ndzhati wa mitsengo.



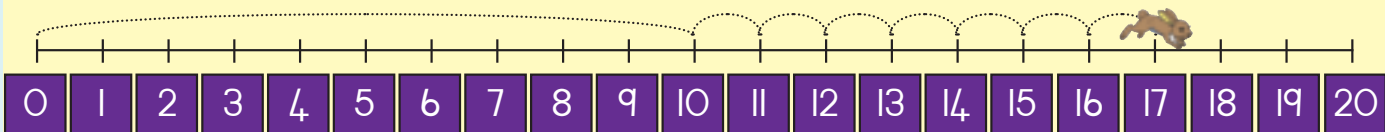
vukhume      vun'we

$$\boxed{10} + \boxed{5} = \boxed{\phantom{00}}$$



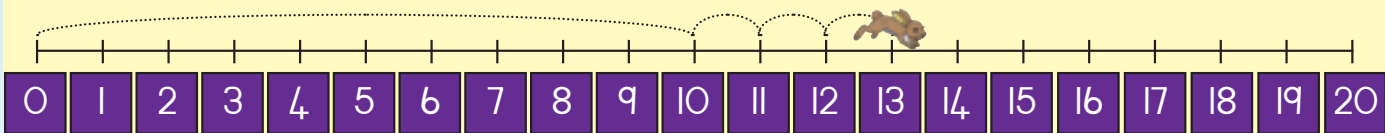
vukhume      vun'we

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



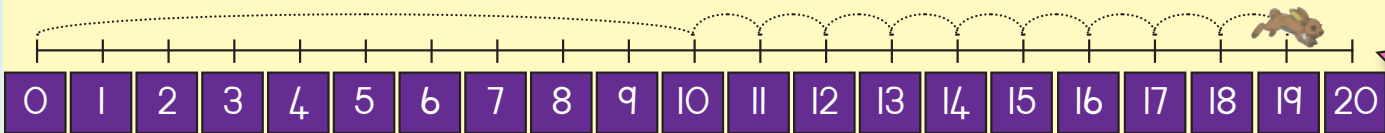
vukhume      vun'we

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



vukhume      vun'we

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



vukhume      vun'we

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

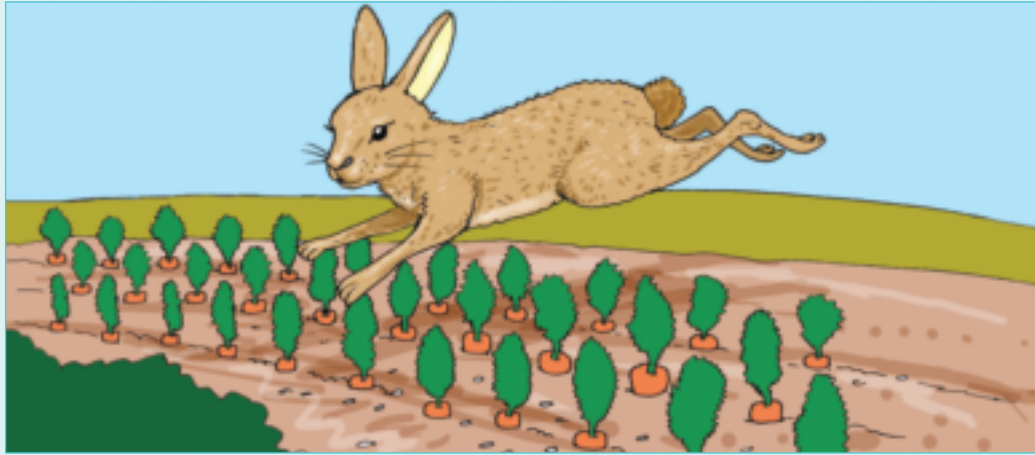


Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



Siku:

Mindzhati ya mitsengo yin'wana



Pfuna mpfundla ku tsala nhlayo. Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.

0 1 2 3 4 5 6 7 8 9 10     2 + 3 = 5

0 1 2 3 4 5 6 7 8 9 10      +  =



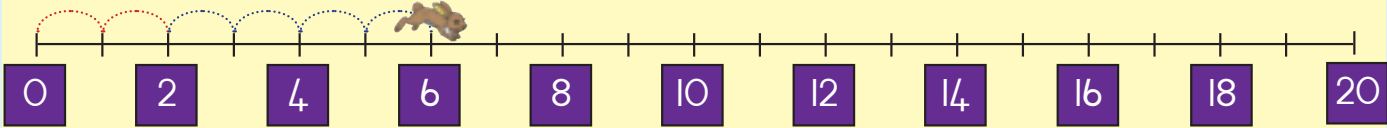
Pfuna mhala ku tsala nhlayo. Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.

0 1 2 3 4 5 6 7 8 9 10      +  =

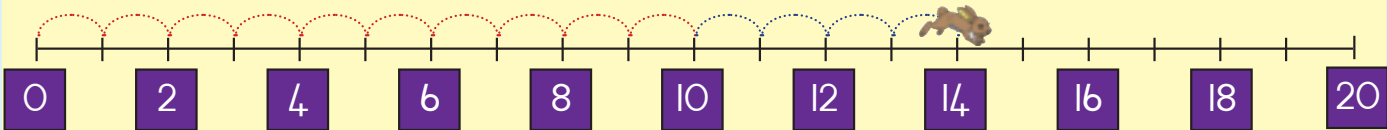
0 1 2 3 4 5 6 7 8 9 10      +  =



Pfuna mpfundla ku tsala nhlayo.



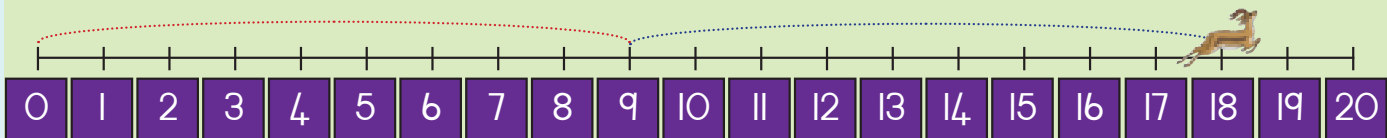
$$\square + \square = \square$$



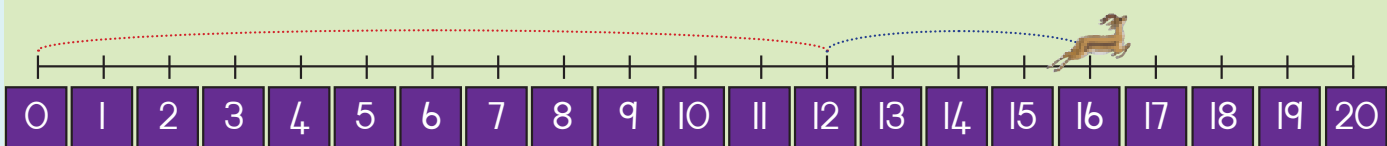
$$\square + \square = \square$$



Pfuna mhala ku tsala nhlayo.



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



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



Teacher:

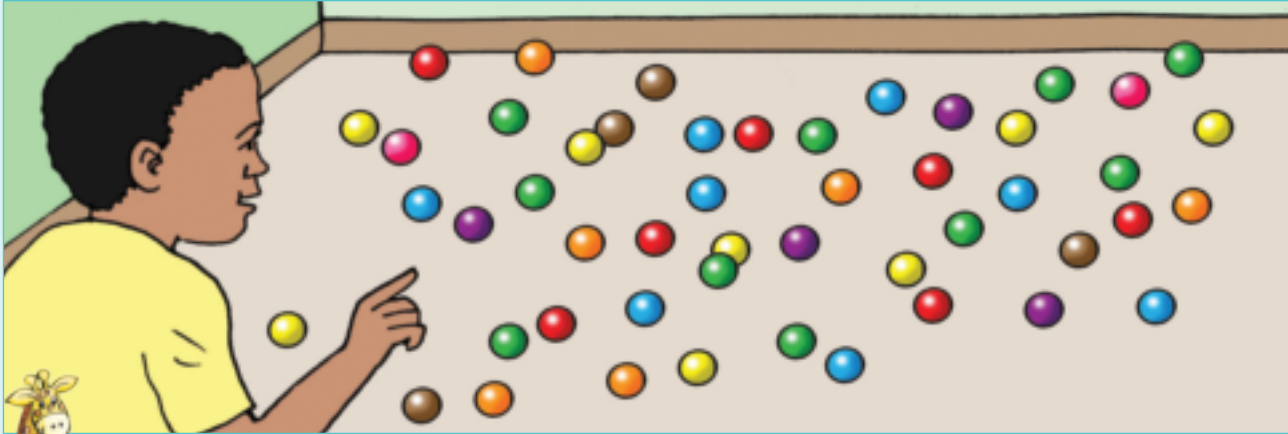
Sign:

Date:



Siku: \_\_\_\_\_

### Ku hlanganisa na ku susa



Tsala nhlayo ya vuhlalu.

Xana ku na vuhlalu byo tshwuka byingani?

Xana ku na vuhlalu bya wasi byingani?

Xana ku na vuhlalu bya rihlaza byingani?

Xana ku na vuhlalu bya xilamula byingani?

Xana ku na vuhlalu bya xivunguvungu byingani?


Xana ku na vuhlalu byingani hinkwabyo?

--



Tsala nhlayo ya vuhlalu bya muhlovo wun'wana na wun'wana eka mabokisi lama faneleke kutani u byi hlanganisa.

tshwuka	+	rihlaza	=	
xitshopana	+	pinki	=	
xilamula	+	wasi	=	
xivunguvungu	+	rihlaza	=	
ribungu	+	xitshopana	=	








Hetisa patironi.



●	●	●	●	●	○	○	○
●	●	●	●	●	○	○	○
●	●	●	●	●	○	○	○
●	●	●	●	●	○	○	○
●	●	●	●	●	○	○	○






Hlanganisa vuhlalu byo tshwuka na bya wasi kutani u tata ntsengo ebokisini.

	+		=	<input type="text" value="15"/>
<input type="text" value="8"/>	+	<input type="text" value="7"/>	=	<input type="text" value="15"/>



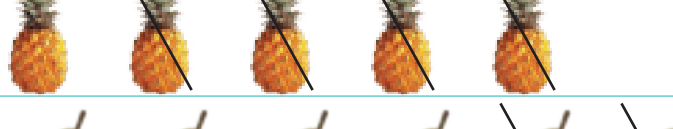

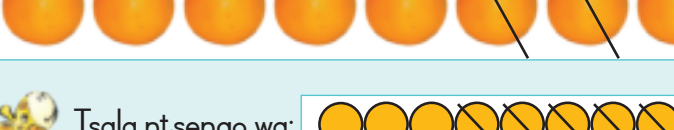
	+		+		=	<input type="text"/>
<input type="text" value="8"/>	+	<input type="text" value="2"/>	+	<input type="text" value="5"/>	=	<input type="text"/>

	+		=	<input type="text"/>
<input type="text" value="9"/>	+	<input type="text" value="6"/>	=	<input type="text"/>

	+		+		=	<input type="text"/>
<input type="text" value="9"/>	+	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>





Pananisa xifaniso na ntsengo lowu faneleke kutani u tata nhlamulo.


	$7 - 5 = \square$
	$9 - 4 = \square$
	$8 - 3 = \square$
	$5 - 4 = \square$
	$6 - 2 = \square$




Tsala ntsengo wa:


<input type="text" value="9"/> - <input type="text" value="6"/> = <input type="text" value="3"/>


<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"/>



Teacher:  
Sign:  
Date:



## Masiku, mavhiki na tin'hweti

Musumbhunuku	Sunguti	Nyenyenyani	Nyenyankulu
Ravumbirhi			
Ravunharhu	Dzivamisoko	Mudyaxihi	Khotavuxika
Ravumune			
Ravuntlhanu	Mawuwani	Mhawuri	Ndzati
Mugqivela			
Sonto	Nhlangula	Hukuri	N'wendzanhala



Hlamula swivutiso leswi landzelaka mayelana na masiku ya vhiki.

Xana i siku rihi ri taka emahlweni ka Ravunharhu? \_\_\_\_\_

Xana i siku rihi ri taka endzhaku ka Ravunharhu? \_\_\_\_\_

Xana i siku rihi ri taka endzhaku ka Mugqivela? \_\_\_\_\_

Xana i siku rihi ri taka exikarhi ka Musumbhunuku na Ravunharhu? \_\_\_\_\_

Loko Musumbhunuku wu ri siku ro sungula, kutani Ravuntlhanu i siku ra \_\_\_\_\_

Xana i masiku wahi ya taka exikarhi ka Ravunharhu na Mugqivela? \_\_\_\_\_



Hlamula swivutiso leswi landzelaka mayelana na tin'hweti.

Xana i n'hweti yihi yi rhangelaka Dzivamisoko? \_\_\_\_\_

Xana i n'hweti yihi yi taka endzhaku ka Khotavuxika? \_\_\_\_\_

Xana i n'hweti yihi yi taka exikarhi ka Mhawuri na Nhlangula? \_\_\_\_\_

Xana i tin'hweti tihi ti taka exikarhi ka Sunguti na Khotavuxika? \_\_\_\_\_

Xana n'hweti yo sungula ya lembe hi yihi? \_\_\_\_\_

Xana n'hweti yo hetelela ya lembe hi yihi? \_\_\_\_\_



<p>Vukhonger eAfrika-Dzonga</p>	<p>Swiindleko swa matimu</p> <p>Siku ra Timfanelo ta Ximunhu Siku ra Ntshunxeko Siku ra Vativhi Siku ra Vantshwa Siku ra Rixaka ra Vavasati Siku ra Ndzhaka Siku ra Mbuyelano</p>	<p>Siku ra mina ra ku velekiwa</p>
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Xitsemiwa xa 2: Tirhisa switsemiwa kutani u namaketa tiholideyi tinharhu ta swa vukhonger na tiholideyi ta mani na mani ta Afrika-Dzonga eka tin'hweti ta khalendara.

Sunguti	Nyenyenyani	Nyenyankulu
Dzivamisoko	Mudyaxihi	Khotavuxika
Mawuwani	Mhawuri	Ndzati
Nhlangula	Hukuri	N'wendzamhala



Teacher:  
Sign:  
Date:

## Ku hlanganisa



Languta xifaniso kutani u tsala nhlayo ya timabulu ta muhlovo wun'wana na wun'wana eka mabokisi lama faneleke kutani u hlanganisa tindhlayo.



tshwuka	+	wasi	=	3	+	4	=	
rihlaza	+	wasi	=		+		=	
pinku	+	wasi	=		+		=	
rihlaza	+	xilamula	=		+		=	
tshwuka	+	rihlaza	=		+		=	
xilamula	+	wasi	=		+		=	

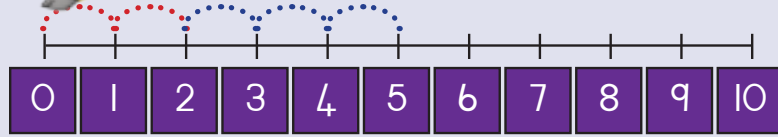


Hlanganisa.

$3 + 2 =$	$4 + 6 =$	$9 + 3 =$
$6 + 5 =$	$7 + 8 =$	$8 + 4 =$
$9 + 5 =$	$8 + 6 =$	$7 + 4 =$
$9 + 9 =$	$7 + 5 =$	$8 + 8 =$
$7 + 6 =$	$9 + 6 =$	$7 + 7 =$



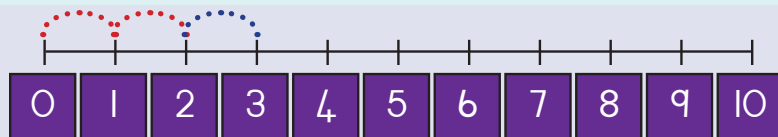
Tsala nhlayo ya:



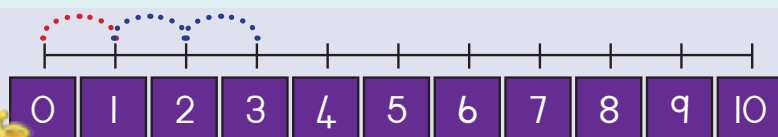
$$\boxed{2} + \boxed{3} = \boxed{5}$$



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



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



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



Hlanganisa vuhlalu ku endla leswaku swikalu swi ringana. Hi ku endlele xo sungula.

$5 = 1 + 4$

$6 = 2 + \underline{\quad}$

$3 + \underline{\quad} = \underline{\quad}$

$2 + 1 = 1 + \underline{\quad}$

$6 + 3 = 3 + \underline{\quad}$

$2 + \underline{\quad} = 8 + 2$

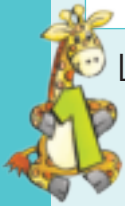
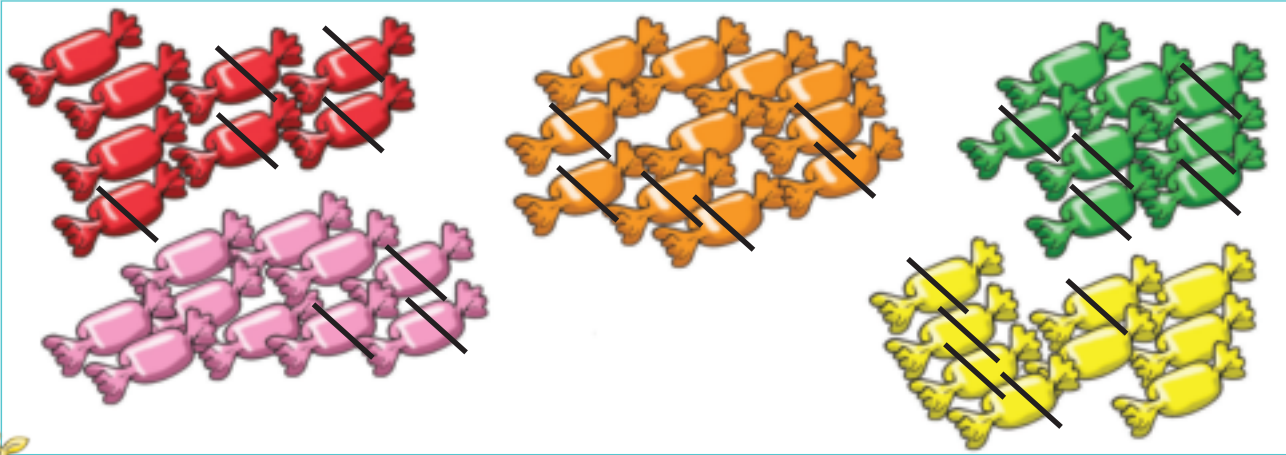


Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



Siku: \_\_\_\_\_

## Ku susa



Languta xifaniso kutani u tsala tinhlayo ta ku susa.

swiwitsi swo tshwuka =  -  =

swiwitsi swa rihlaza =  -  =

swiwitsi swa xitshopana =  -  =

swiwitsi swa buraweni =  -  =

swiwitsi swa pinki =  -  =



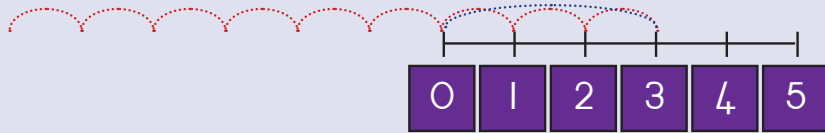
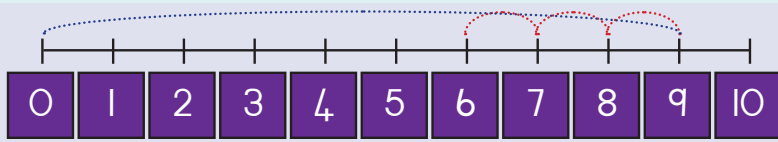
Susa.

$5 - 3 =$ <input type="text"/>	$10 - 6 =$ <input type="text"/>	$12 - 3 =$ <input type="text"/>
$11 - 5 =$ <input type="text"/>	$15 - 7 =$ <input type="text"/>	$12 - 4 =$ <input type="text"/>
$14 - 9 =$ <input type="text"/>	$14 - 8 =$ <input type="text"/>	$11 - 4 =$ <input type="text"/>
$18 - 9 =$ <input type="text"/>	$12 - 5 =$ <input type="text"/>	$16 - 8 =$ <input type="text"/>
$13 - 7 =$ <input type="text"/>	$15 - 6 =$ <input type="text"/>	$14 - 7 =$ <input type="text"/>





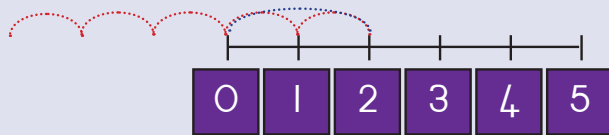
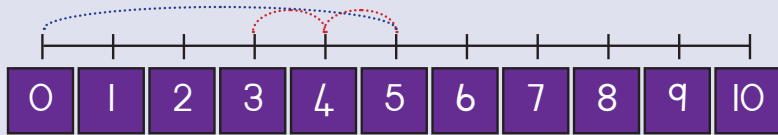
Hetisa.



$$9 - 3$$

A yi ringani na

$$3 - 9$$



$$5 - 2$$

A yi ringani na

$$2 - 5$$



Tsala nhlayo ya:



11 12 13 14 15 16 17 18 19 20



Teacher:

Sign:

Date:





Hlanganisa:

10	+	3	=	13	10	+	2	=	
10	+	5	=		10	+	7	=	
10	+	1	=		10	+	6	=	
10	+	4	=		10	+	8	=	
10	+	9	=		10	+	3	=	



Hlanganisa:

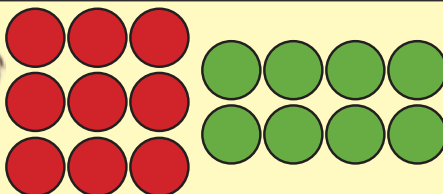
16 + 13					14 + 12				
10		10		20	10		10		
6	+	3	=	9	4	+	2	=	
16	+	13	=	29		+		=	

17 + 11					15 + 13				
10		10			10		10		
7	+	1	=		5	+	3	=	
	+		=			+		=	

16 + 12					18 + 12				
10		10			10		10		
6	+	2	=		8	+	2	=	
	+		=			+		=	



Lisa u na 9 wa swihlayelo kasi Aakar u na 8.



Xana ntsengo i yini?

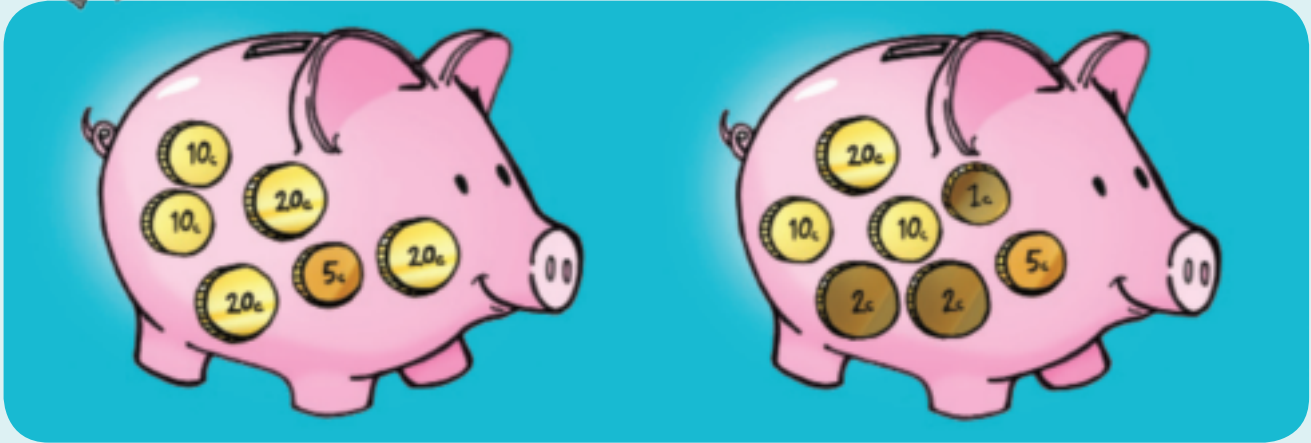


Teacher:  
Sign:  
Date:



# Mali

Xana ku na yini endzeni ka bangi ya mina ya xingulubyana?

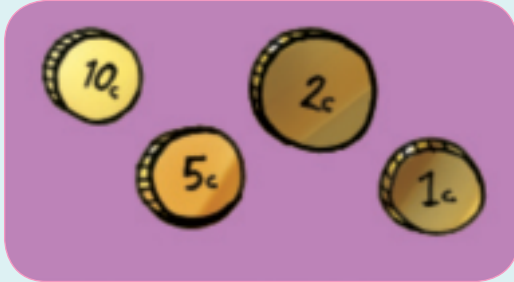


Tsema tikhoyini eka xitsemiwa xa 3 kutani u damarheta mitsengo leyi faneleke laha.

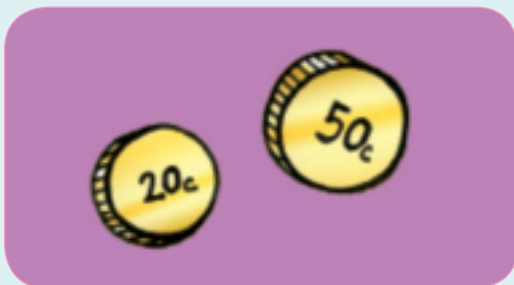
	
	
	



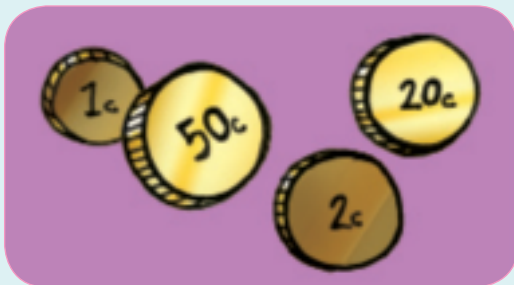
I tisente tingani?















Tinhlayo ta marito:

Suzy u na 50c. Manana wa yena u n'wi nyikile 20c yin'wana. Xana Suzy u na mali muni loko yi hlanganile hinkwayo? \_\_\_\_\_

Ndzi na 90c. Ndzi xavile swiwitsi swa 30c. Xana ndzi sale na mali muni? \_\_\_\_\_



Teacher:

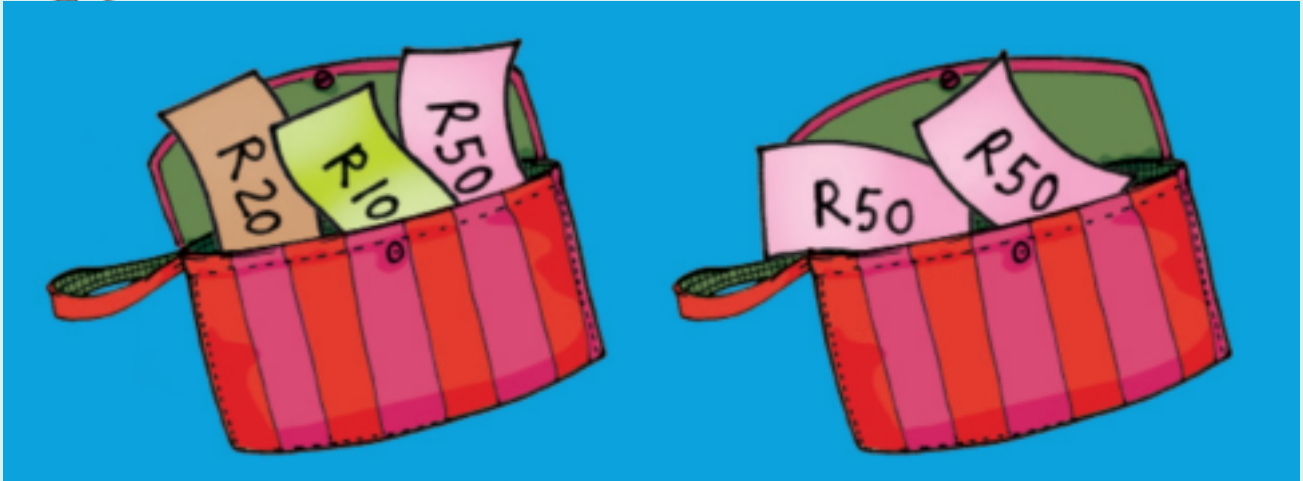
Sign:

Date:



# Mali ya phepha

Ku na mali muni exipacini xa mina?



Tsema mali ya phepha eka xitsemiwa xa 3 kutani u damarheta mitsengo leji faneleke laha.




Xana ku na tirhandi tingani loko tihlanganile hinkwato?















Tinhlayo ta marito:

Ndzi hlayisile R50. Ndzi amukerile R20 hi siku ra mina ra ku velekiwa.

Xana ndzi na mali muni? \_\_\_\_\_

\_\_\_\_\_

Ndzi na R90. Ndzi xavile buku hi R30. Xana ndzi sale na mali muni?

\_\_\_\_\_



Teacher:

Sign:

Date:



Tipatironi

Phokotelela patironi.

phokotela ●	phokotela phokotela ●	phokotela ●	phokotela phokotela ●	phokotela ●	phokotela phokotela ●	phokotela ●	phokotela phokotela ●	phokotela ●	phokotela phokotela ●	phokotela ●	phokotela phokotela ●	phokotela ●
phokotela ●	phokotela phokotela ●	phokotela phokotela phokotela ●	phokotela ●	phokotela phokotela ●	phokotela phokotela phokotela ●	phokotela ●	phokotela phokotela ●	phokotela phokotela phokotela ●	phokotela ●	phokotela phokotela ●	phokotela phokotela ●	phokotela phokotela ●



Kopunula patironi. Tirhisa xitsemiwa xa 4.

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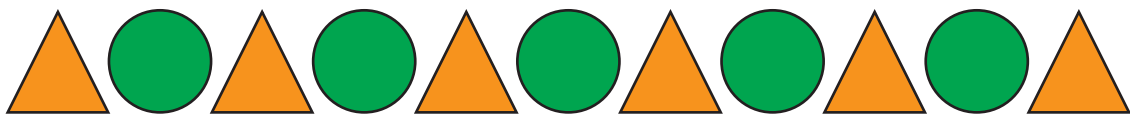
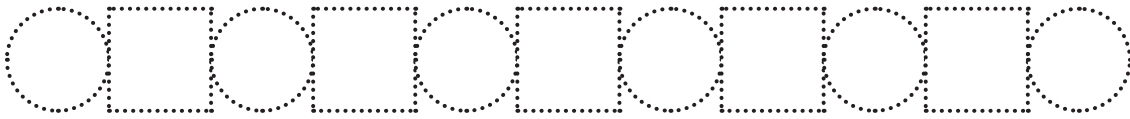


Endla xifaniso xa wena hi vuhlalu lebyi saleke. Tirhisa Xitsemiwa xa 4.

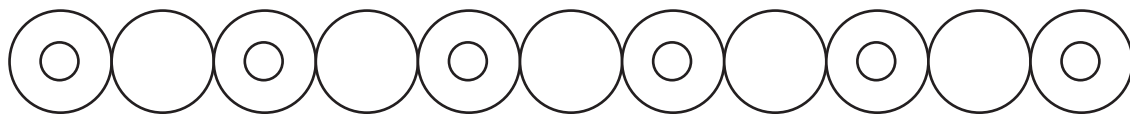
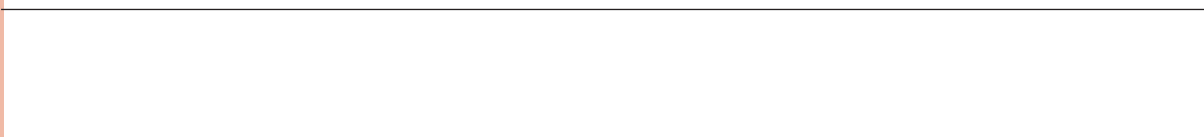
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Kopunula tipatironi leti landzelaka.



Kopunula tipatironi.



Teacher:

Sign:

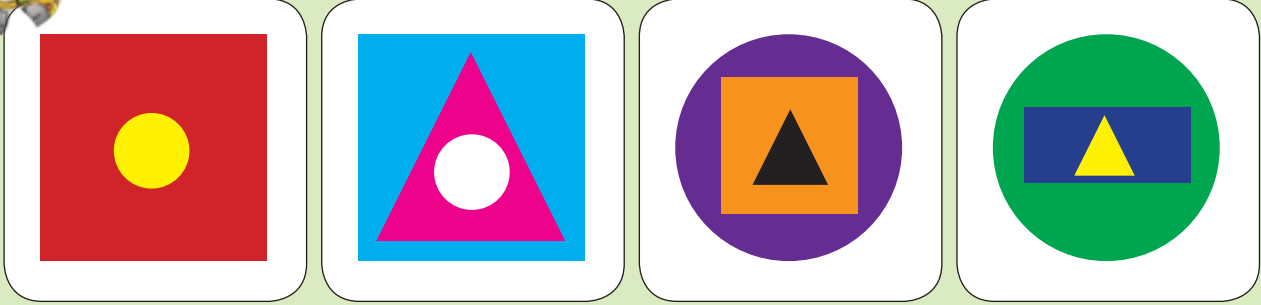
Date:



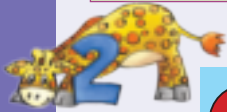
# Tipatironi tin'wana



Hlamusela patironi yin'wana na yin'wana hi marito. Marito lama nga laha hansi ya nga ku pfuna.



yinhlamune      xikwere      yinhlanmarhu      xirhendzevutana      mihlovo



Hlawula u tlhela u khalaria patironi leyi landzelaka.

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



Dirowa patironi leyi landzelaka.

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

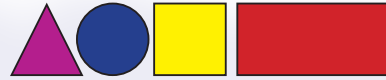


Engetela patironi.

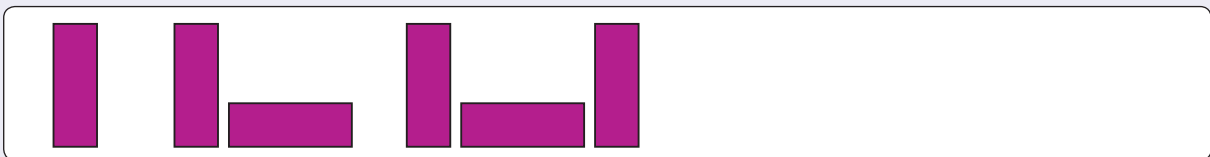
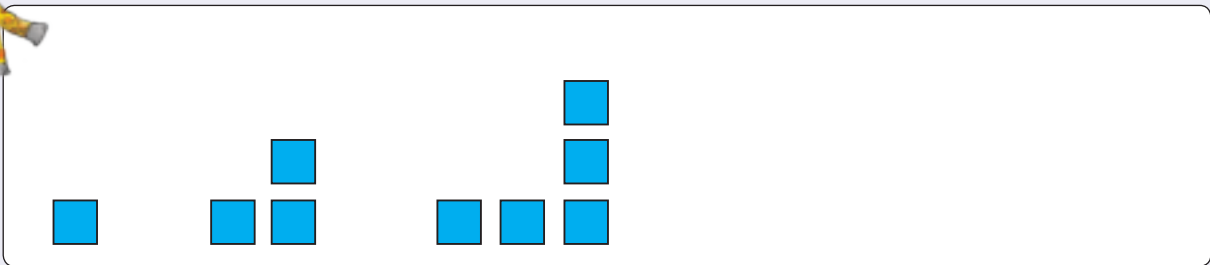
--	--	--	--	--	--	--	--



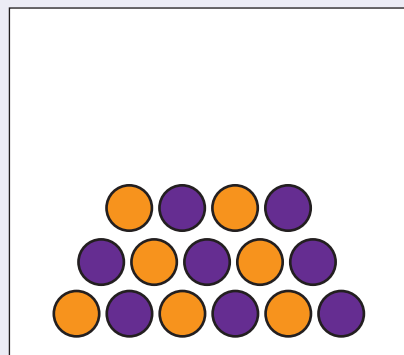
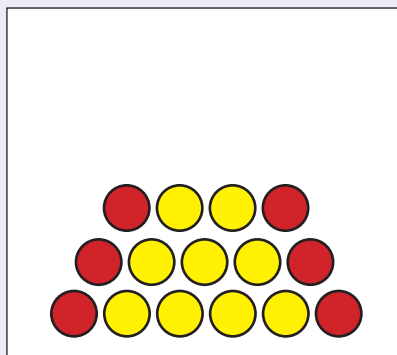
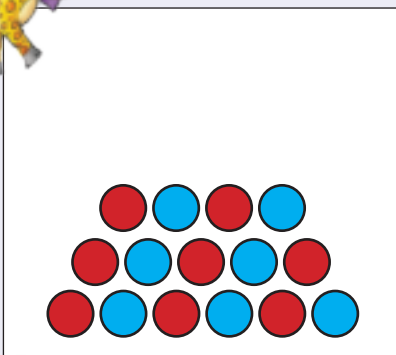
Dirowa tipatironi ta wena hi ku tirhisa



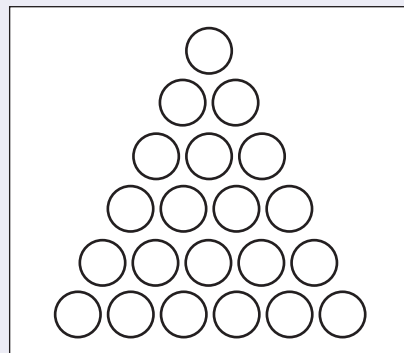
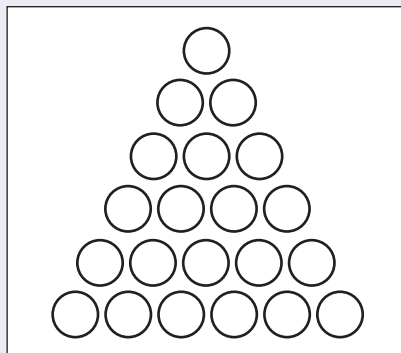
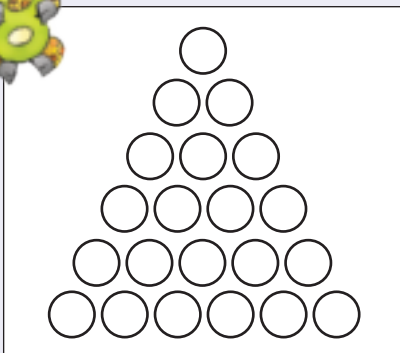
Dirowa patironi leyi landzelaka.



Hetisa leswi landzelaka leswaku u hetelela hi ku va na xirhendzevutana xin'we ehenhla.



Tumbuluxa tipatironi ta wena ta mihlovohlovo hi ku tirhisa swivumbeko leswi nga laha hansi.

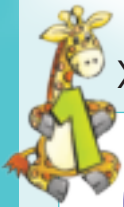


Teacher:  
Sign:  
Date:



Ku andzisa:  $\times 2$

Xana ku na swiwitsi swingani etafuleni rin'wana na rin'wana?



Xana u swi hlanye njhani swiwitsi? (Vana van'wana va nga vula 1, 2, 3, ... Van'wana va nga vula 2, 4, 6 ...)



Hetisa leswi landzelaka.



4 wa mintlawana ya 2

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

$$4 \times 2 = 8$$



5 wa mintlawana ya 2

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

$$5 \times 2 =$$



6 wa mintlawana ya 2

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

$$6 \times 2 =$$



7 wa mintlawana ya 2

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

$$7 \times 2 =$$



8 wa mintlawana ya 2

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

$$8 \times 2 =$$



Endla xifaniso xa leswi landzelaka:

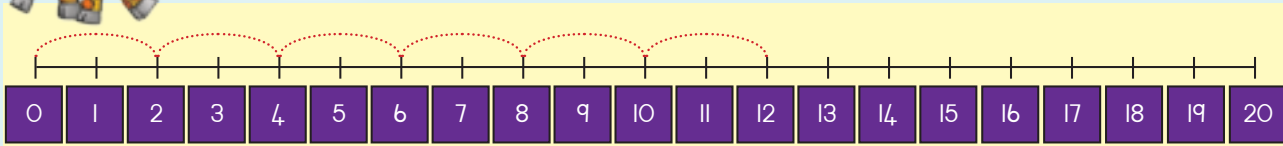
3 wa mintlawana ya 2

4 wa mintlawana ya 2

9 wa mintlawana ya 2



Endla xifaniso xa leswi landzelaka kutani u tsala tinhlamulo laha hansi.



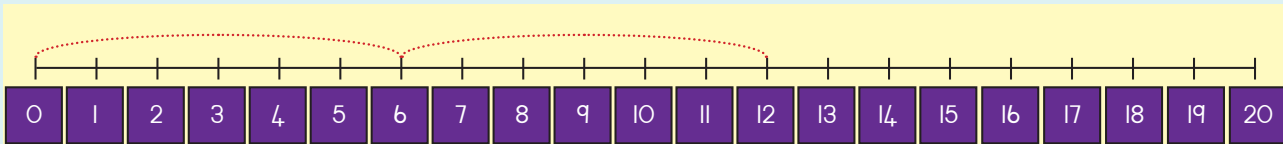
2, 4, 6, 8, \_\_\_\_, \_\_\_\_

$$2 + 2 + 2 + 2 + 2 + 2 = \square$$

$$6 \text{ wa mintlawa ya } 2 = \square$$

$$6 \times 2 = \square$$

Xifaniso



6, \_\_\_\_

$$6 + \square = \square$$

$$2 \text{ wa mintlawa ya } \square = \square$$

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

Xifaniso



Pume rin'we ri na 8 wa mahlo. Xana 7 wa mapume ya na mahlo mangani?



2 4 6 8 10 12 14

16 18 20 22 24 26



Teacher:

Sign:

Date:



Ku andzisa:  $\times 5$

Xana ku na swiwitsi swingani etafuleni rin'wana na rin'wana?




Hetisa leswi landzelaka: Hi ku endlele yo sungula.

	$3 \text{ wa mintlawa ya } 5$	$5 + 5 + 5 = 15$	$3 \times 5 = 15$
	$2 \text{ wa mintlawa ya } 5$	$5 + 5 =$	$2 \times 5 =$
	$4 \text{ wa mintlawa ya } 5$	$5 + 5 + 5 + 5 =$	$4 \times 5 =$
	$6 \text{ wa mintlawa ya } 5$	$5 + 5 + 5 + 5 + 5 + 5 =$	$6 \times 5 =$
	$7 \text{ wa mintlawa ya } 5$	$5 + 5 + 5 + 5 + 5 + 5 + 5 =$	$7 \times 5 =$

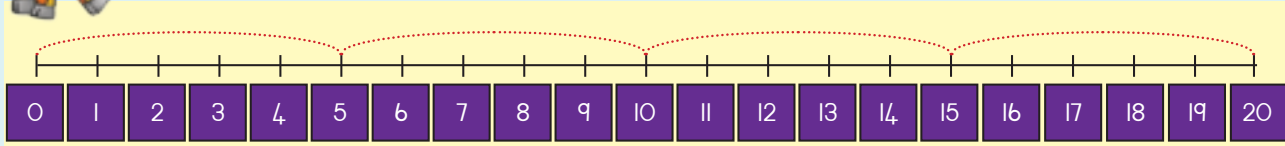


Endla xifaniso xa leswi landzelaka.

$3 \text{ wa mintlawa ya } 5$	$4 \text{ wa mintlawa ya } 5$	$5 \text{ wa mintlawa ya } 5$
-------------------------------	-------------------------------	-------------------------------



Endla xifaniso xa leswi landzelaka kutani u tsala tinhlamulo laha hansi.



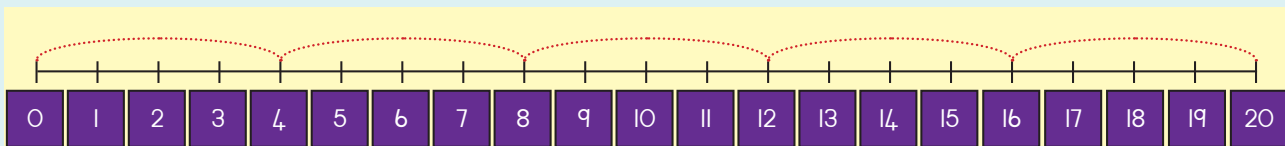
5, 10, 15, \_\_\_

$$5 + 5 + 5 + 5 = \square$$

$$4 \text{ wa mintlawa ya } 5 = \square$$

$$4 \times 5 = \square$$

Xifaniso



4, 8, 12, \_\_\_, \_\_\_

$$4 + 4 + 4 + 4 + 4 = \square$$

$$5 \text{ wa mintlawa ya } 4 = \square$$

$$5 \times 4 = \square$$

Xifaniso



5 10 15 20 25 30

35 40 45 50



Teacher:

Sign:

Date:



Endla xitori xa wena hi ku tirhisa nhlayo hinkwayo ya tindleve, swandla na mikondzo.



Hi IO wa vanghana. Xana hi na swandla swingani?

Dirowa xifaniso.

Swi kombise hi swihlayelo.

Swi kombise eka ndzhati wa mitsengo.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

$\square + \square = \square$

$\square \times \square = \square$



Ndyangu wa ka vaSusan wu na 10 wa tiphere ta tintanghu. Xana va na tintanghu tingani?

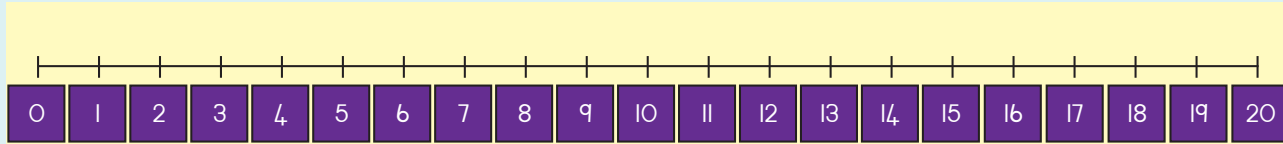
Dirowa xifaniso.

Large empty dashed box for drawing or writing.

Ti kombise hi swihlayelo.

Empty rectangular box for writing.

Ti kombise eka ndzhati wa mitsengo.



$\square + \square = \square$

$\square \times \square = \square$



Tsala xitori xa wena hi ku tirhisa 6 wa vana na swandla swa vona.

Five horizontal lines for writing.



5 10 15 20 25 30 35

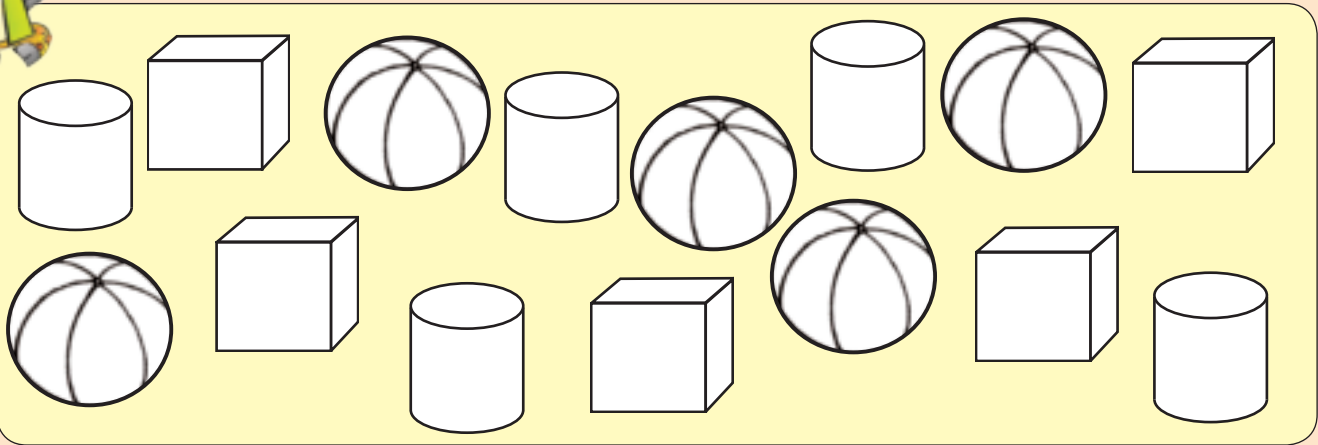


Teacher:  
Sign:  
Date:

Swilo swa 3 wa matlhelo



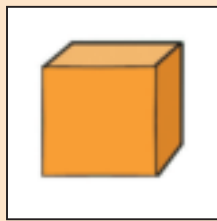
Khalara tibolo ti va to tshwuka, mabokisi ya va ya wasi, tisolindara ti va ta rihlaza.



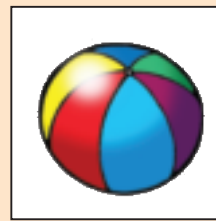
Hlawula rito leri faneleke.



makumu yo thwixi  
makumu ya njhikwa



makumu yo thwixi  
makumu ya njhikwa



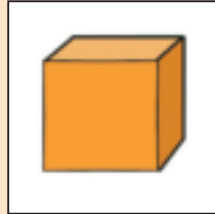
makumu yo thwixi  
makumu ya njhikwa



Vula loko nchumu wu ta khunguluka kumbe wu ta rheta.



khunguluka  
rheta



khunguluka  
rheta



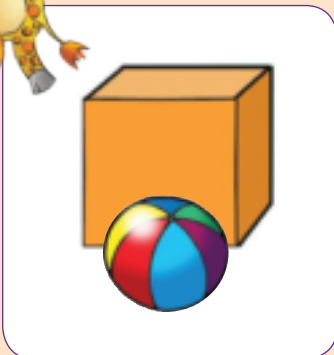
khunguluka  
rheta



Xana u vona swingani swa swilo leswi exifanisweni: tisilindara, mabokisi na tibolo?

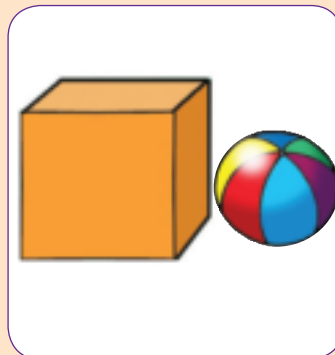


Xana bolo yj le kwihl? Emahlweni ka bokisi? Etlhelo? Endzhaku? Ehenhla?



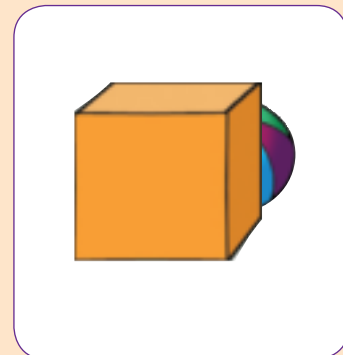
emahlweni ka \_\_\_\_\_  
etlhelo ka \_\_\_\_\_

endzhaku ka \_\_\_\_\_  
ehenhla ka \_\_\_\_\_



emahlweni ka \_\_\_\_\_  
etlhelo ka \_\_\_\_\_

endzhaku ka \_\_\_\_\_  
ehenhla ka \_\_\_\_\_



emahlweni ka \_\_\_\_\_  
etlhelo ka \_\_\_\_\_

endzhaku ka \_\_\_\_\_  
ehenhla ka \_\_\_\_\_



Teacher: \_\_\_\_\_

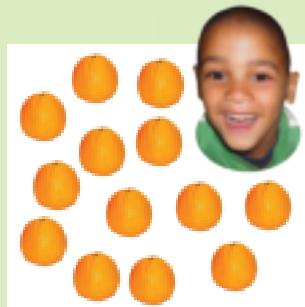
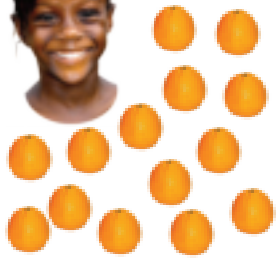
Sign: \_\_\_\_\_

Date: \_\_\_\_\_

## Longoloxa u tlhela u ringanisa tinomboro: 1 – 40



Xana i mani a nga na malamula yo tala?



Xana i mani a nga na maapula yo tala?



Tata mabokisi lama nga riki na nchumu eka xihlayelo xa vuhlalu.

●	●	●	●	●	●	●	●	●	●
1	2	3	4	5		7			10
●	●	●	●	●	●	●	●	●	●
	12				16		18		
●	●	●	●	●	●	●	●	●	●
21				25	26				30
●	●	●	●	●	●	●	●	●	●
31					36				40



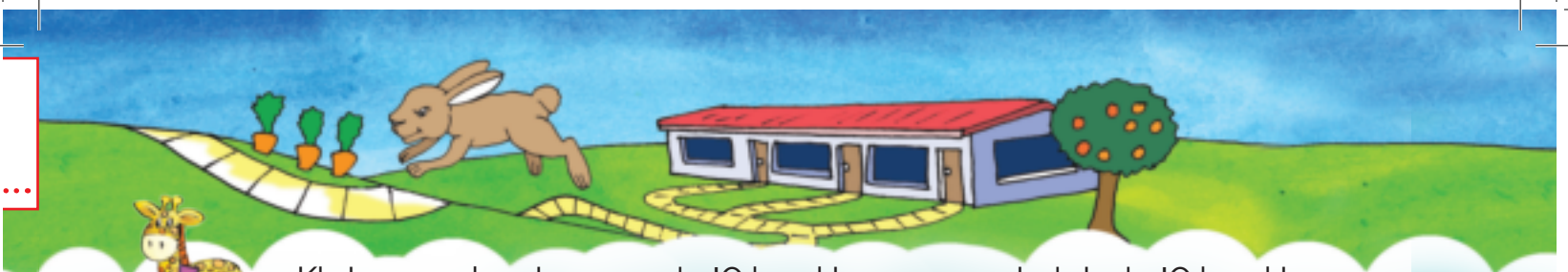
Languta vuhlalu kutani u hlamula swivutiso.

Hi yihi nomboro leyi nga leyitsongo eka 8?

Hi yihi nomboro leyi nga leyikulu eka 13?

Hi yihi nomboro leyi nga leyitsongo eka 20?

Hi yihi nomboro leyi nga leyitsongo eka 24?



Khalara tinomboro letitsongo eka 10 hi muhlovo wa wasi na letikulu eka 10 hi muhlovo wo tshwuka.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Khalara tinomboro letitsongo eka 30 na letikulu eka 24 hi muhlovo wa rihlaza.

20	21	22	23	24	25	26	27	28	29	30
----	----	----	----	----	----	----	----	----	----	----

Khalara tinomboro letitsongo eka 40 na letikulu eka 36 hi muhlovo wa xitshopana.

30	31	32	33	34	35	36	37	38	39	40
----	----	----	----	----	----	----	----	----	----	----

Khalara tinhlayo-ndzingano hi xitshopana na tinhlayo-fadzenga hi rihlaza.

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



Xana i tinhlayo-fadzenga yihle leyi taka xikan'wekan'we endzhaku ka 10?

Xana i tinhlayo-ndzingano yihle leyi taka xikan'wekan'we emahlweni ka 10?

Tsala tinhlayo-ndzingano ta le xikarhi ka 14 na 24.

Tsala tinhlayo-fadzenga ta le xikarhi ka 5 na 15.

Xana i tinhlayo-fadzenga yihle leyi taka xikan'wekan'we endzhaku ka 21?

Xana i tinhlayo-ndzingano yihle leyi taka xikan'wekan'we emahlweni ka 24?

Tsala tinhlayo-ndzingano ta le xikarhi ka 20 na 30.

Tsala tinhlayo-fadzenga ta le xikarhi ka 20 na 30.



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

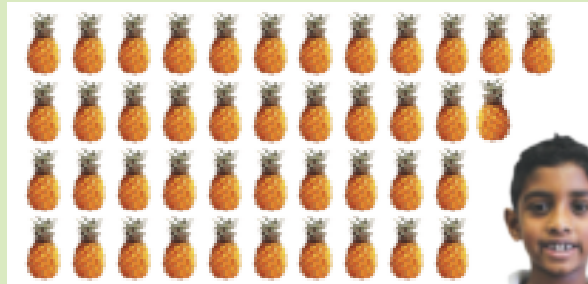
## Ku longoloxa no ringanisa tinomboro: 40 – 50



Xana i mani a nga na swihenge swo tala?



kumbe



Hlayela vuhlalu kutani u tata mabokisi lama nga riki na nchumu.

1	2	3	4	5					
								19	
								28	

	32								
									50
51	52	53	54	55	56	57	58	59	60



Languta vuhlalu kutani u hlamula swivutiso.

Xana hi yihi nomboro leyi nga leyitsongo eka 3?

Xana hi yihi nomboro leyi nga leyikulu eka 31?

Xana hi yihi nomboro leyi nga leyitsongo eka 38?

Xana hi yihi nomboro leyi nga leyitsongo eka 47?



Khalara tinomboro letitsongo eka 40 na letikulu eka 36 hi rihlaza.

30	31	32	33	34	35	36	37	38	39	40
----	----	----	----	----	----	----	----	----	----	----

Tinomboro letitsongo eka 40.

Tinomboro letikulu eka 36.



Khalara tinhlayo-ndzingano hi xitshopana na tinhlayo-fadzenga hi rihlaza.

40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----

Xana i tinhlayo-fadzenga yihi leyi taka xikan'wekan'we endzhaku ka 40?

Xana i tinhlayo-ndzingano yihi leyi taka xikan'wekan'we emahlweni ka 43?

Tsala tinhlayo-ndzingano ta le xikarhi ka 40 na 50.

Tsala tinhlayo-fadzenga ta le xikarhi ka 40 na 50.

Xana i tinhlayo-ndzingano yihi leyi taka xikan'wekan'we endzhaku ka 40?

Xana i tinhlayo-ndzingano yihi leyi tata xikan'wekan'we endzhaku ka 41?



Teacher:

Sign:

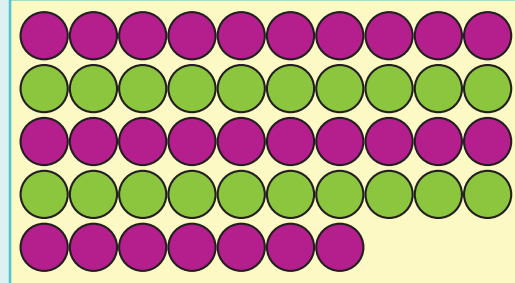
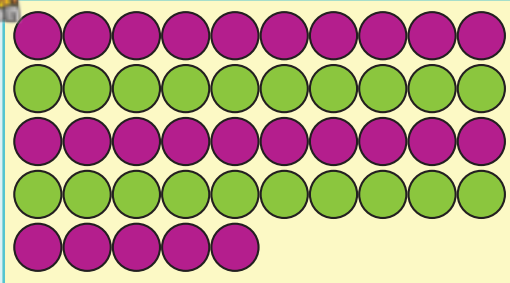
Date:



Tinomboro ta 40 – 50



Xana ku na vuhlalu byingani?



Nhlayo:

Hi nga yi tsala tanihi:

45

40 + 5 = 45

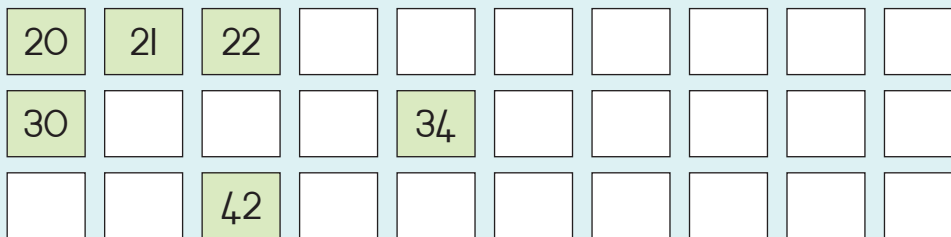
Nhlayo:

Hi nga yi tsala tanihi:

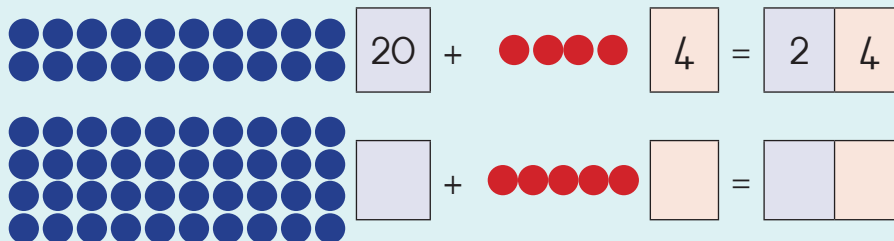
□ + □ = □



Hetisa leswi landzelaka.



Hetisa leswi landzelaka.





Tsala marito ya:

41 _____	42 _____
43 _____	44 _____
45 _____	46 _____
47 _____	48 _____
49 _____	50 _____



Languta xikombiso xo sungula kutani u hetisa leswi landzelaka.

45 = 4 vukhume + 5 vun'we	44 = _____ vukhume + _____ vun'we
43 = _____ vukhume + _____ vun'we	41 = _____ vukhume + _____ vun'we
42 = _____ vukhume + _____ vun'we	48 = _____ vukhume + _____ vun'we



Tsala nomboro leji faneleke eka kholomu leji faneleke.

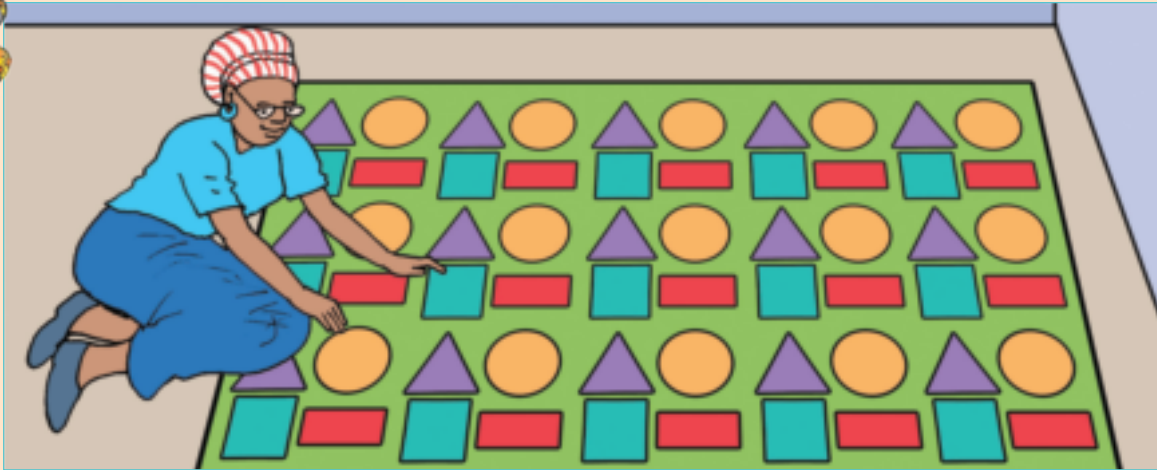
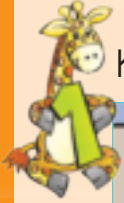
	Vukhume	Vun'we
27		
34		
46		
41		
39		



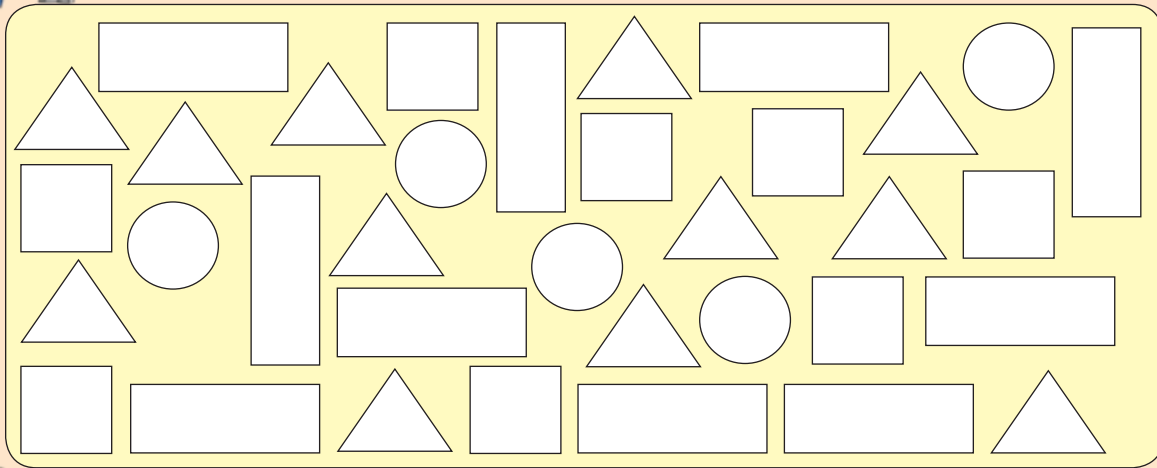
Teacher:  
Sign:  
Date:

Swikwere, tiyinhlamune, tiyinhlanharhu  
na swirhendzevutana

Kokwana u rhungile duvhete leji. Boxa swivumbeko swa yona hinkwaswo.



Khalara swikwere swi va swa wasi, tiyinhlamune ti va ta xitshopana,  
tiyinhlanharhu ti va ta rihlaza, swirhendzevutana swi va swo tshwuka

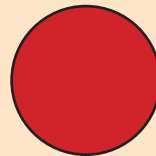


Hlawula u tlhela u khalara nhlamulo leji faneleke.



makumu yo thwixi

makumu ya  
xirhendzevutana



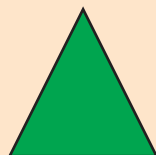
makumu yo thwixi

makumu ya  
xirhendzevutana



makumu yo thwixi




makumu ya  
xirhendzevutana

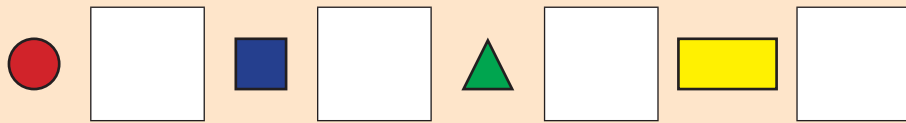
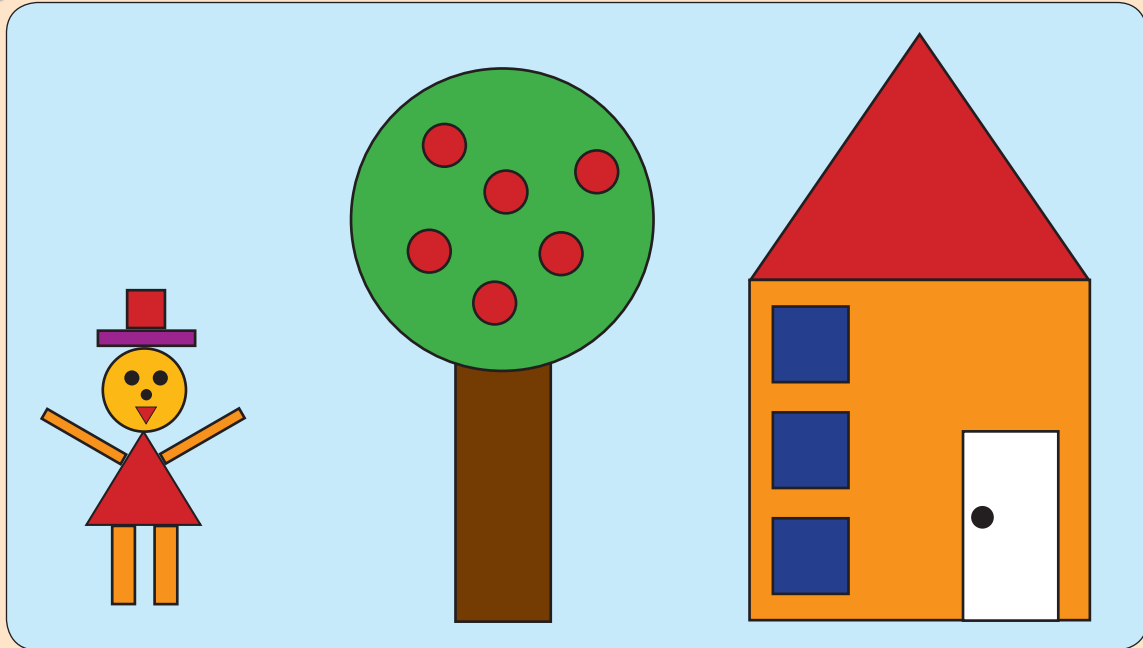


makumu yo thwixi

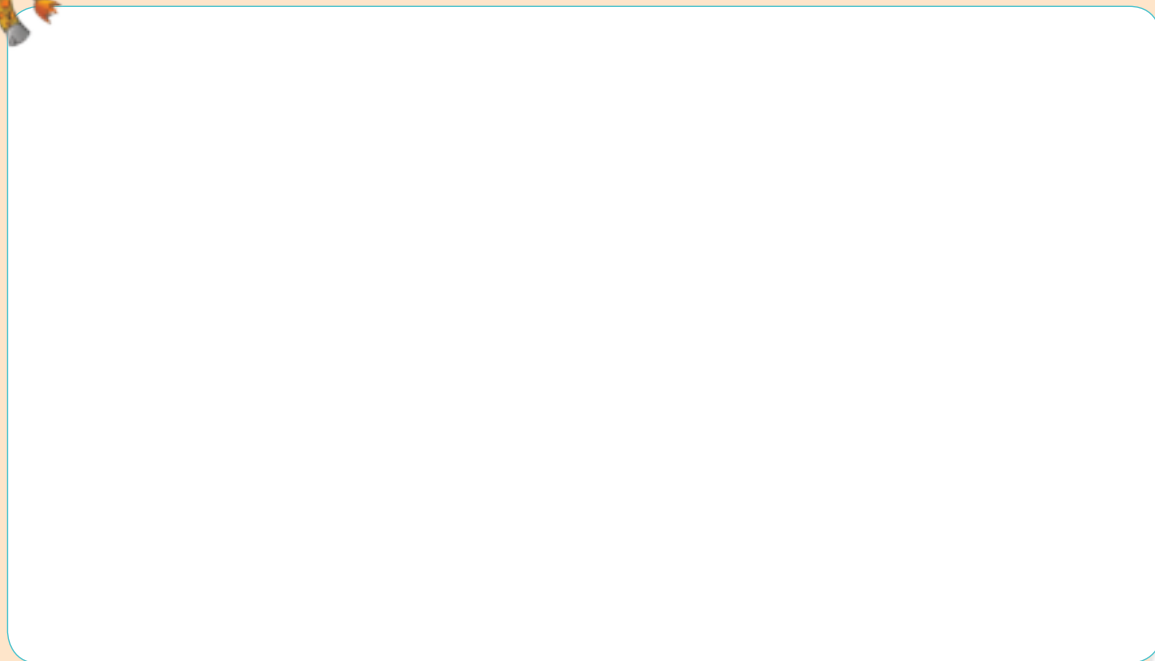
makumu ya  
xirhendzevutana



Xana i    na  swingani leswi u swi hlayeleke?



Dirowa xifaniso xa wena hi ku tirhisa swirhendzevutana, swikwere, tiyinhlanharhu na tiyinhlamune.



Teacher:

Sign:

Date:



Siku:

## Ku hlanganisa no susa ku fika eka 20



Ku tsundzuka hi xihatla.

$4 + 5 - 1 =$	$13 - 9 + 2 =$	$20 - 7 + 1 =$	$10 + 5 - 4 =$
$10 + 3 + 2 =$	$9 + 3 - 2 =$	$8 - 2 - 1 =$	$13 - 8 + 1 =$
$9 - 4 - 3 =$	$18 - 9 - 4 =$	$7 + 8 + 1 =$	$16 - 7 + 3 =$
$14 - 6 + 4 =$	$12 - 5 - 2 =$	$19 - 10 + 5 =$	$6 + 5 - 3 =$

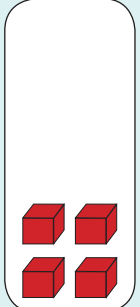
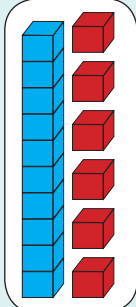


Hlanganisa leswi landzelaka.

	$= 10 + 8$ $= 18$
	$= 10 + 2 + 6$
	$= 10 + 2 + 8$
	$= 10 + 2 + 8$



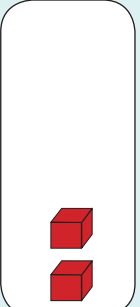
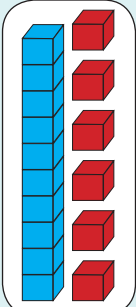
Susa leswi landzelaka.



$$= 10 + 6 - 4$$

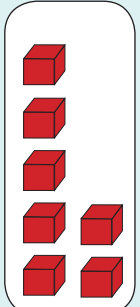
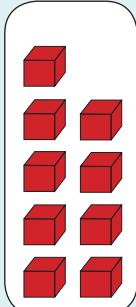
$$= 10 + 2$$

$$= 12$$



$$= 10 + 2$$

$$= 12$$

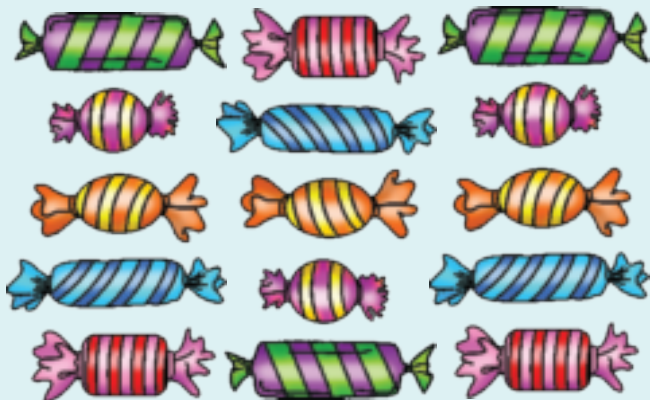


$$= 10 + 4$$

$$= 14$$



Ndzi xavile 15 wa swiwitsi. Ndzi dyile 2 wa swona. Kutani ndzi nyika munghana wa mina 4 wa swona. Xana ndzi sale na swiwitsi swingani?



Teacher:  
Sign:  
Date:

## Ku hlanganisa no susa ku fika eka 50



Ku tsundzuka hi xihatla.

$20 + 2 - 1 =$	$36 - 6 + 2 =$	$42 - 2 + 4 =$	$47 + 4 - 1 =$
$30 + 3 + 6 =$	$42 + 9 - 1 =$	$33 - 2 - 1 =$	$49 - 1 + 2 =$
$55 - 5 - 0 =$	$38 - 7 - 1 =$	$45 + 1 + 2 =$	$50 - 5 + 3 =$
$24 - 3 + 2 =$	$32 - 5 - 2 =$	$49 - 10 + 1 =$	$29 + 5 - 4 =$



Hlanganisa leswi landzelaka.

		$=$ <input style="width: 40px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/> $+$ <input style="width: 40px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/>
		$=$ <input style="width: 40px; height: 30px;" type="text"/> $+$ <input style="width: 40px; height: 30px;" type="text"/>
		$=$ <input style="width: 40px; height: 30px;" type="text"/>

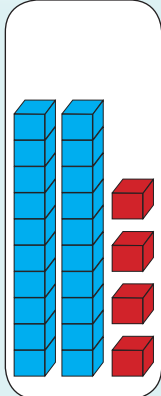
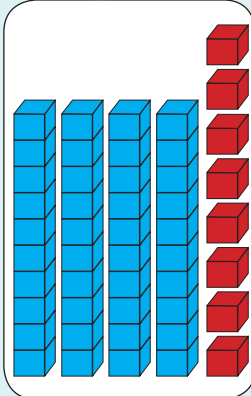
  

			$=$ <input style="width: 40px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/> $+$ <input style="width: 40px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/> $+$ <input style="width: 40px; height: 30px;" type="text"/> <input style="width: 30px; height: 30px;" type="text"/>
			$=$ <input style="width: 40px; height: 30px;" type="text"/> $+$ <input style="width: 40px; height: 30px;" type="text"/>
			$=$ <input style="width: 40px; height: 30px;" type="text"/>

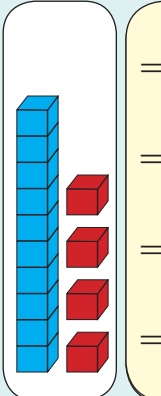
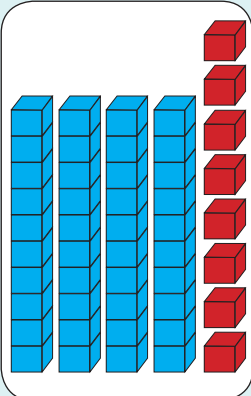
Sweswi ringeta maendlele ya wena.



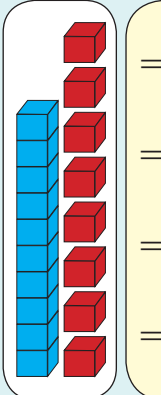
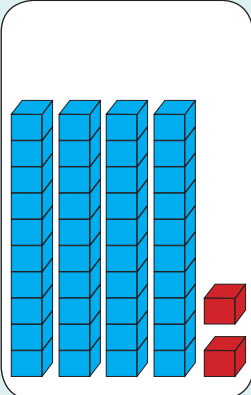
Susa leswi landzelaka.



$$\begin{aligned}
 &= 40 + 8 - 20 - 4 \\
 &= 40 - 20 + 8 - 4 \\
 &= 20 + 4 \\
 &= 24
 \end{aligned}$$



$$\begin{aligned}
 &= \square + \square - \square - \square \\
 &= \square - \square + \square - \square \\
 &= \square + \square \\
 &= \square
 \end{aligned}$$



$$\begin{aligned}
 &= \square + \square - \square - \square \\
 &= \square - \square + \square - \square \\
 &= \square - \square \\
 &= \square
 \end{aligned}$$



Ndzi na mali ya phepha ya R10, khoyini ya R5, mali ya phepha ya R20 na khoyini ya R2 ebangi ya mina ya xingulubyana. Xana i mali muni leyi ndzi yi hlajiseke?



Teacher:  
Sign:  
Date:

39a

Kotara ya 2



Siku:

### Ku hlanganisa kun'wana

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

1	10	5
	10	

2	10	6
	20	

3	20	5
	20	

4	20	4
	10	



Hlanganisa:

0 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

$$13 + 12 = \square$$

0 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

$$14 + 12 = \square$$

0 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

$$19 + 11 = \square$$

0 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

$$16 + 13 = \square$$

0 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

$$15 + 14 = \square$$



Ku hlanganisa kun'wana (ku yisa emahlweni)



Tsala ntsengo.

$$12 + 10 = \square$$



$$15 + 10 = \square$$



$$19 + 10 = \square$$



Dirowa vuhlalu lebyin'wana kutani u hetisa tinhlayo.



Hetisa.

28	+	11	=	2	8	+	10	+	1	=	38	+	1	=	39
34	+	12	=	3	4	+	10	+	2	=		+		=	
23	+	13	=	2	3	+	10	+	3	=		+		=	
35	+	12	=	3	5	+	10	+	2	=		+		=	
26	+	11	=	2	6	+	10	+	1	=		+		=	



Hlanganisa:

$11 + 10 =$	$23 + 10 =$	$36 + 10 =$
$28 + 10 =$	$37 + 10 =$	$12 + 10 =$
$34 + 10 =$	$29 + 10 =$	$15 + 10 =$



Ntsengo wa 27 na 16 i   
 Dirowa xifaniso ku kombisa nhlamulo ya wena.



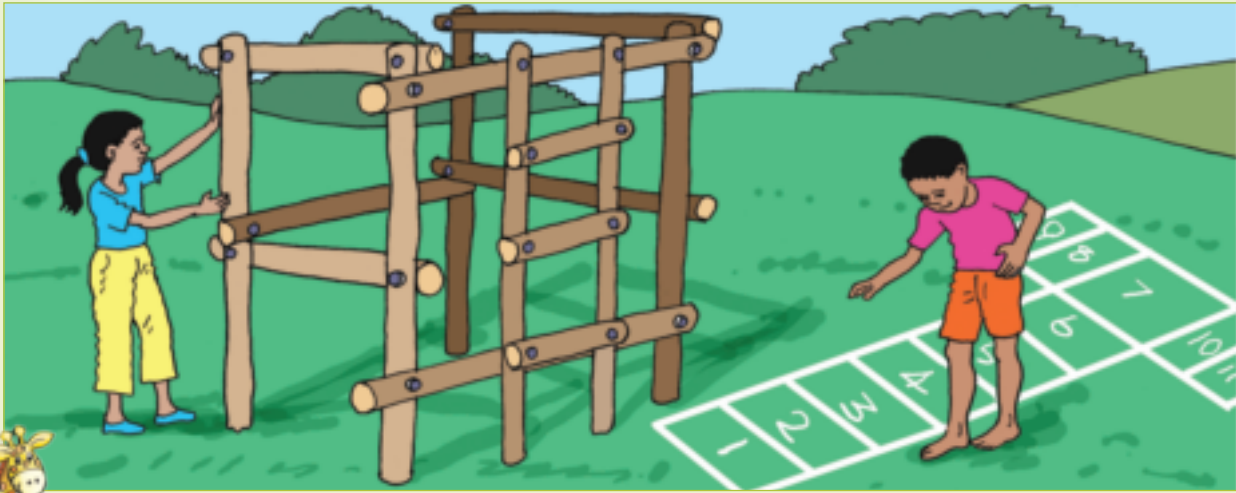
Endla nhlayo ya wena ya marito hi ku tirhisa swifaniso.



Teacher:  
 Sign:  
 Date:



Ku leha

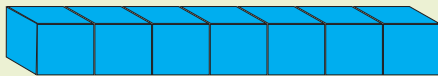


Khalara nhlamulo leyi faneleke ku kombisa loko tinxaxa leti na tikhholomu swi lehile kumbe swi komile, swi anamile kumbe swi larile. Khalara nhlamulo ya wena hi muhlovo lowu fanaka na wa tibuloko.



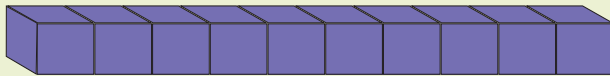
koma

leha



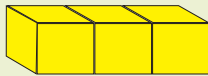
koma

leha

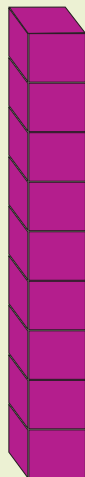


koma

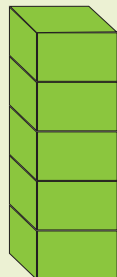
leha



koma  
leha



Ku anama  
Ku lala



koma  
leha





Sweswi boxa leswaku hi wihhi mufana loyi a nga leha. Khalara nhlamulo ya wena hi muhlovo lowu fanaka na wa xiburukwana xa mufana.



koma

leha



koma

leha



koma

leha



Pima matlhelo ya rivala ra mitlangu hi mikondzo na swandla ku suka eka xitsemiwa xa l.

Xana rivala ra mitlangu ri lehile ku ringana swandla swingani?

Xana rivala ra mitlangu ri lehile ku ringana mikondzo yingani?

Ku leha



Teacher:

Sign:

Date:



Ku susa

Yelanisa makhadi na tinhlayo to susa.

10	10	10	10	10
2 2	8 8	7 7	5 5	3 3

$17 - 7 = 10$	$12 - 2 = 10$	$15 - 5 = 10$	$13 - 3 = 10$	$18 - 8 = 10$
---------------	---------------	---------------	---------------	---------------



Tirhisa ndzhati wa mitsengo. Tsala nhlayo yo susa.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$14 - 4 = 10$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$\square - \square = \square$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$\square - \square = \square$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$\square - \square = \square$



Susa.

$$10 - 3 = \square$$

$$10 - 5 = \square$$

$$10 - 1 = \square$$

$$10 - 4 = \square$$

$$10 - 9 = \square$$

$$10 - 2 = \square$$

$$10 - 7 = \square$$

$$10 - 6 = \square$$

$$10 - 8 = \square$$

$$10 - 9 = \square$$



Susa.

16 - 13

$$10 - 10 = 20$$

$$6 - 3 = 3$$

$$16 - 13 = 3$$

14 - 12

$$10 - 10 = \square$$

$$4 - 2 = \square$$

$$14 - 12 = \square$$

27 - 11

$$20 - 10 = \square$$

$$7 - 1 = \square$$

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

35 - 13

$$30 - 10 = \square$$

$$5 - 3 = \square$$

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

26 - 12

$$20 - 10 = \square$$

$$6 - 2 = \square$$

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

48 - 11

$$40 - 10 = \square$$

$$8 - 1 = \square$$

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



Lisa u na 17 wa swihlayelo. U lahlile 8 wa swona.

Xana u sale na swihlayelo swingani?



Teacher:  
Sign:  
Date:

42a

Kotara ya 2



Siku: \_\_\_\_\_

Ku susa kun'wana

Susa tinomboro ta le hansi eka tinomboro ta le henhla.

<table border="1"> <tr><td>10</td><td></td></tr> <tr><td>7</td><td>17</td></tr> </table>	10		7	17	<table border="1"> <tr><td>20</td><td></td></tr> <tr><td>2</td><td></td></tr> </table>	20		2		<table border="1"> <tr><td>30</td><td></td></tr> <tr><td>8</td><td></td></tr> </table>	30		8		<table border="1"> <tr><td>40</td><td></td></tr> <tr><td>9</td><td></td></tr> </table>	40		9	
10																			
7	17																		
20																			
2																			
30																			
8																			
40																			
9																			
<table border="1"> <tr><td>10</td><td></td></tr> <tr><td>5</td><td>15</td></tr> </table>	10		5	15	<table border="1"> <tr><td>10</td><td></td></tr> <tr><td>1</td><td></td></tr> </table>	10		1		<table border="1"> <tr><td>10</td><td></td></tr> <tr><td>5</td><td></td></tr> </table>	10		5		<table border="1"> <tr><td>10</td><td></td></tr> <tr><td>4</td><td></td></tr> </table>	10		4	
10																			
5	15																		
10																			
1																			
10																			
5																			
10																			
4																			
2																			



Tirhisa ndzhati wa mitsengo. Tsala tinhlayo to susa.

0	10	20	30
$25 - 12 = \square$			
0	10	20	30
$\square - \square = \square$			
0	10	20	30
$\square - \square = \square$			
0	10	20	30
$\square - \square = \square$			
0	10	20	30
$\square - \square = \square$			



Susa.

$$45 - 23$$

$$= 40 + 5 - 20 - 3$$

$$= 40 - 20 + 5 - 3$$

$$= 20 + 2$$

$$= 22$$

$$38 - 16$$

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

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

$$= \square + \square$$

$$= \square$$

$$29 - 14$$

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

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

$$= \square + \square$$

$$= \square$$

$$48 - 11$$

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

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

$$= \square + \square$$

$$= \square$$

$$35 - 23$$

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

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

$$= \square + \square$$

$$= \square$$

$$38 - 15$$

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

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

$$= \square + \square$$

$$= \square$$



Teacher:

Sign:

Date:





Hetisa.

$$46 - 13 = \square$$

$$49 - 23 = \square$$

$$38 - 14 = \square$$

$$27 - 16 = \square$$

$$25 - 11 = \square$$

$$46 - 32 = \square$$



Susa.

$21 - 10 = \square$	$43 - 10 = \square$	$16 - 10 = \square$
$28 - 10 = \square$	$27 - 10 = \square$	$22 - 10 = \square$
$34 - 10 = \square$	$37 - 10 = \square$	$45 - 10 = \square$

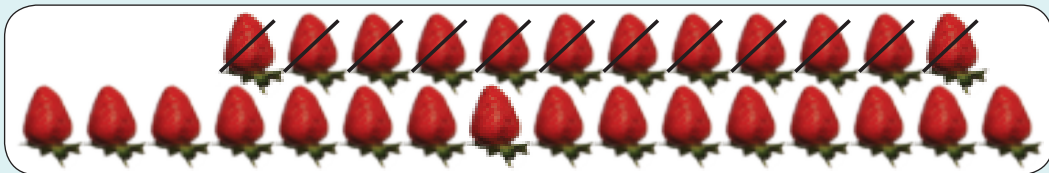


Ku hambana exikarhi ka 35 na 20 i? Dirowa xifaniso ku kombisa nhlamulo ya wena.

$$35 - 20 = \square$$



Endla ntsengo wa wena wa marito hi ku tirhisa swifaniso.



Teacher:  
Sign:  
Date:



Siku:

---

### Ku tika na ku vevuka

Languta xifaniso xin'wana na xin'wana kutani u hlamula xivutiso.

I yini lexi vevukaka swinene na lexi tikaka swinene?

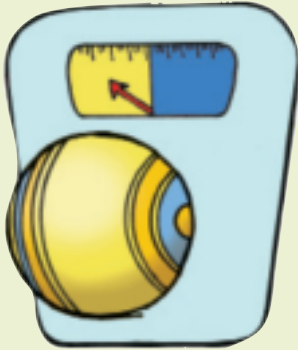


Damarheta kumbe u dirowa swifaniso swa:

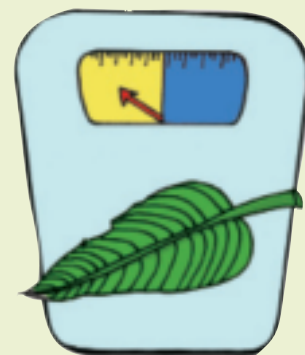
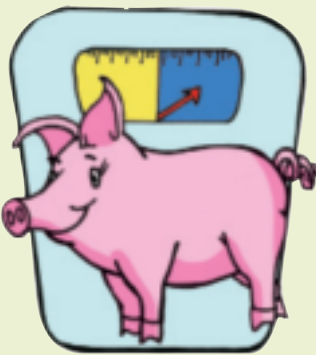
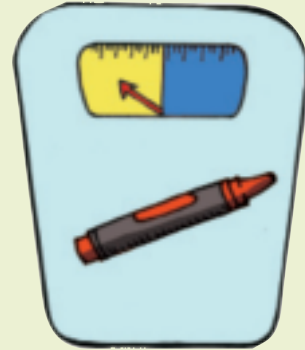
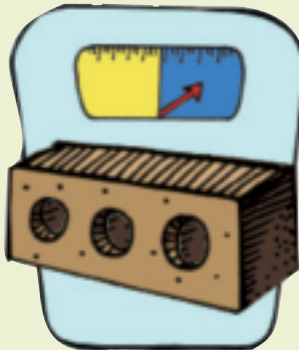
Swilo swo tika	Swilo swo vevuka



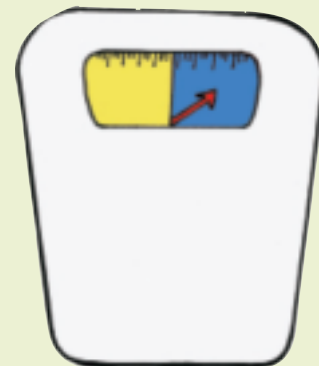
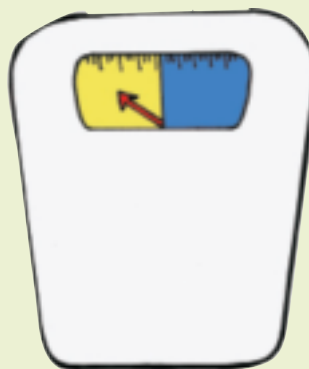
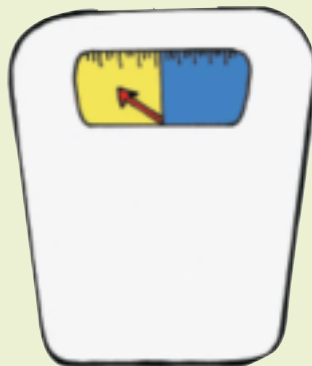
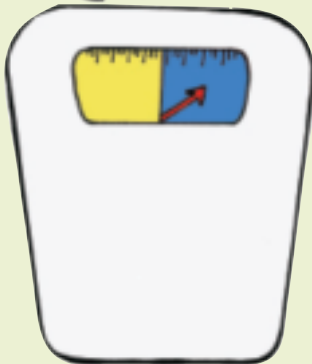
Loko nseve wo tshwuka wu langute eka tlhelo ra xitshopana, swi vula leswaku nchumu wa vevuka kasi loko wu langute eka tlhelo ra wasi, swi vula leswaku nchumu wolowo wa tika.



vevuka



Dirowa kumbe u damarheta swilo ku ya hi leswi kombisiwaka hi xikalu.



Teacher:

Sign:

Date:

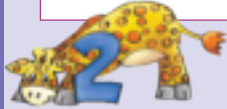


Siku:



### Tipatironi ta tinomboro: Vumbirhi

A hi hlayeleni hi vumbirhi.



Dirowa kumbe u damarheta swifaniso swa swilo leswi taka hi swimbirhi.

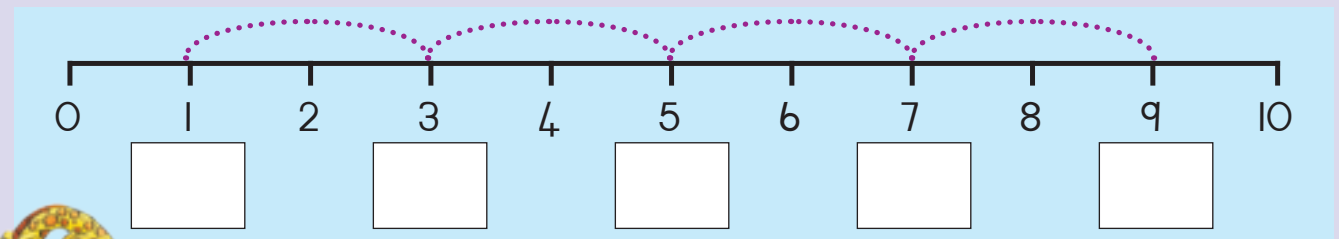
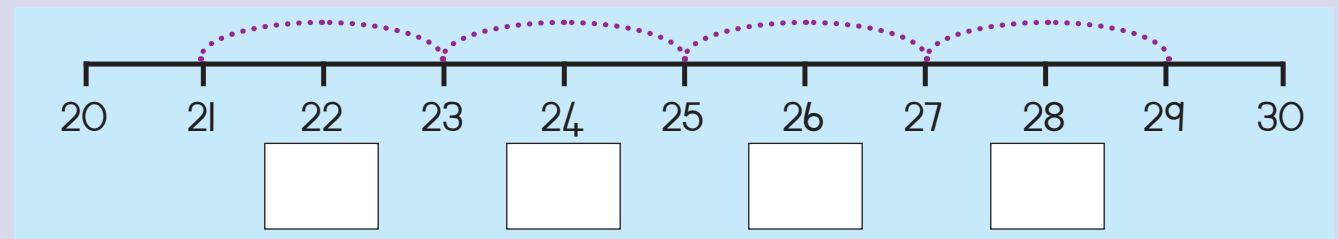
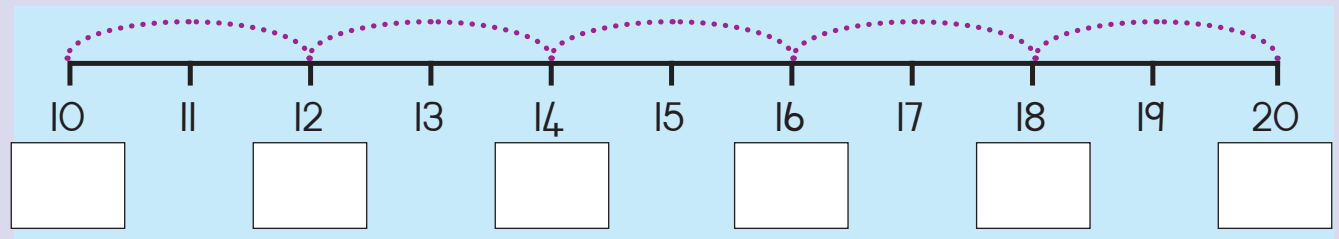
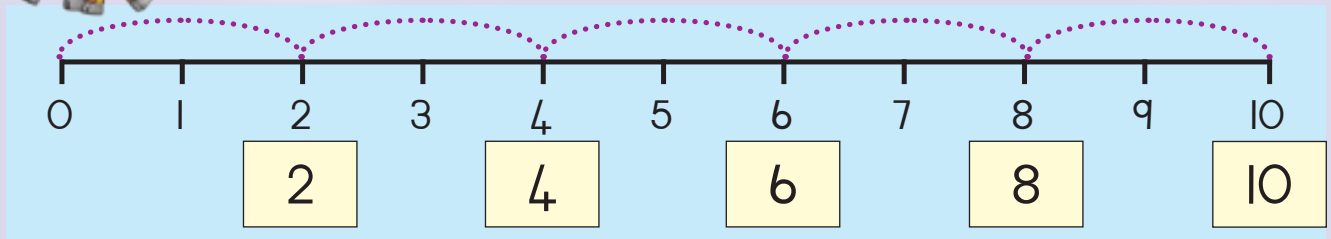


Hi sungule patironi. Yi hetise.

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



Tirhisa mindzhati ya mitsengo ku tsala patironi.



Hetisa leswi landzelaka.

2, 4, 6, __, __, __	13, 15, 17, __, __, __	26, 24, 22, __, __, __
62, 64, 66, __, __, __	55, 57, 59, __, __, __	11, 9, 7, __, __, __
44, 46, 48, __, __, __	10, 8, 6, __, __, __	29, 27, 25, __, __, __
1, 3, 5, __, __, __	98, 96, 94, __, __, __	95, 93, 91, __, __, __



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



Siku: \_\_\_\_\_

### Ku andzisa kambirhi

Languta xifaniso xo sungula na xifaniso xa vumbirhi. Xana ku humelele yini?

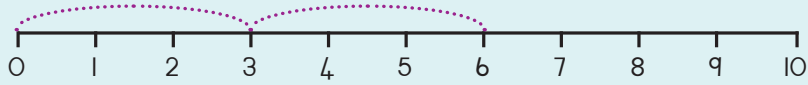


Hlanganisa mathonsi kutani u tsala ntsengo wa man'wana na man'wana.

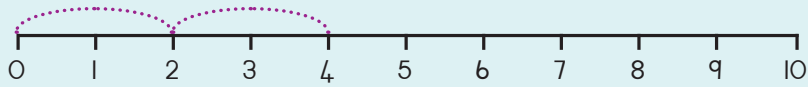
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input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



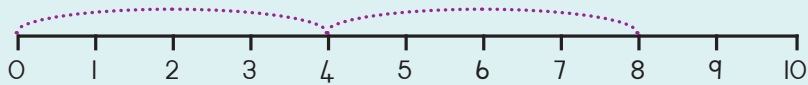
Tirhisa mindzhati ya mitsengo ku tsala ntsengo.



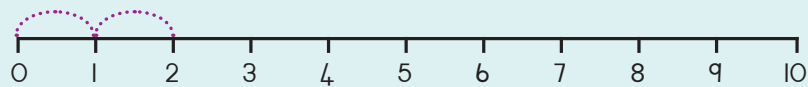
$$\square + \square = \square$$



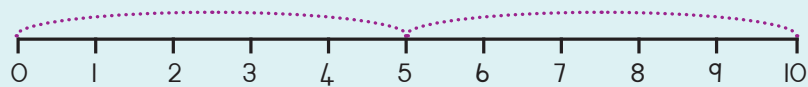
$$\square + \square = \square$$



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



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



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



Andzisa kambirhi leswi landzelaka.

1 kambirhi

$$1 + 1 = 2$$

$$2 \times 1 = 2$$

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

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

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



Ndzi na R5. Munghana wa mina u na yona hi kambirhi. Xana u na mali muni?



Teacher:

Sign:

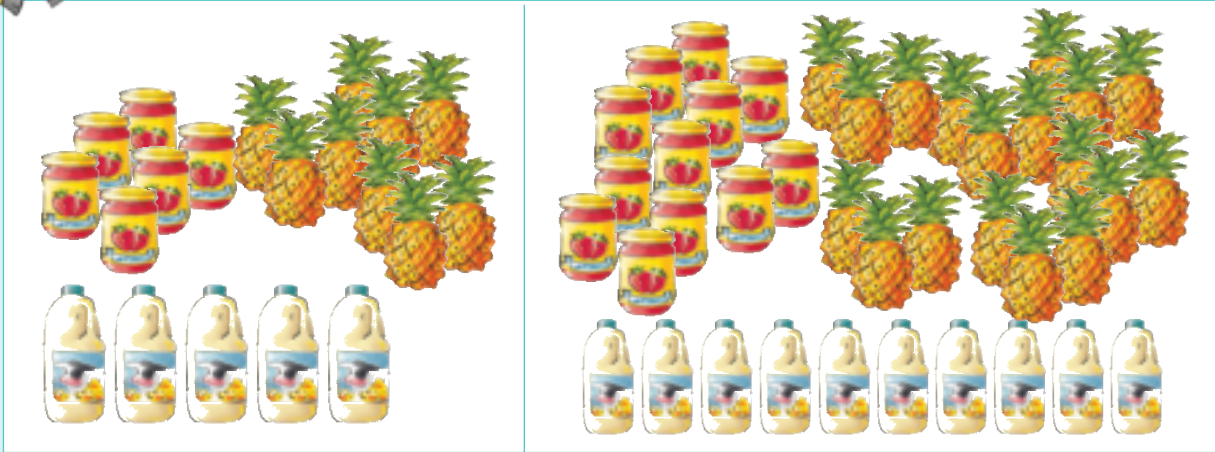
Date:



Siku: \_\_\_\_\_

### Andzisa kambirhi nakambe

Languta xifaniso xo sungula na xifaniso xa vumbirhi. Xana ku humelele yini?

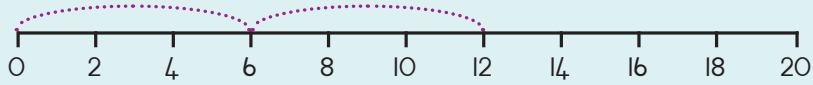


Hlanganisa mathonsi kutani u tsala ntsengo wa man'wana na man'wana.

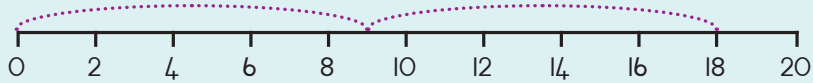
		<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
		<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
		<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
		<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
		<input type="text"/>	+	<input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



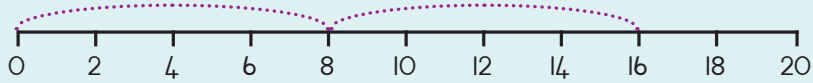
Tirhisa mindzhati ya mitsengo ku tsala nhlayo.



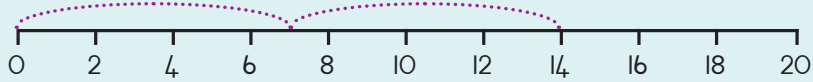
$$\square + \square = \square$$



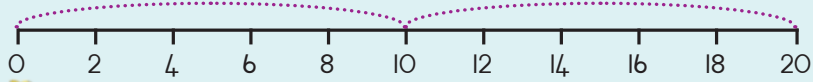
$$\square + \square = \square$$



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



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



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



Andzisa kambirhi leswi landzelaka.

Ku andzisa 6 kambirhi

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

$$2 \times 6 = 12$$

Ku andzisa 7 kambirhi

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

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

Ku andzisa 8 kambirhi

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

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

Ku andzisa 9 kambirhi

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

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

Ku andzisa 10 kambirhi

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

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



Munghana wa mina u na 9 wa timabulu. Ndzi na to andzisa tona kambirhi. Xana ndzi na timabulu tingani?



Teacher:

Sign:

Date:



Siku:

### Andzisa kambirhi

Ku andzisa 8 kambirhi

1 2 3 4 5 6 7 8 1 2 3 4 5 6 7 8



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ku andzisa 9 kambirhi

1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18



Tirhisa vuhlalu ku andzisa tinomboro kambirhi. Hi ku sungulele byo sungula.

Ku andzisa 5 kambirhi



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

Ku andzisa 6 kambirhi



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

Ku andzisa 7 kambirhi



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

Ku andzisa 8 kambirhi



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

Ku andzisa 9 kambirhi



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



Andzisa tinomboro kambirhi. Khalara tibuloko ku kombisa nhlamulo ya wena.

Ku andzisa 6 kambirhi

$6 + 6 = \square$   
 $2 \times 6 = \square$

Ku andzisa 8 kambirhi

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

Ku andzisa 7 kambirhi

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

Ku andzisa 9 kambirhi

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



Andzisa kambirhi leswi landzelaka.

Ku andzisa 7 kambirhi

$\square + \square = \square$

$2 \times \square = \square$

Ku andzisa 9 kambirhi

$\square + \square = \square$

$2 \times \square = \square$

Ku andzisa 6 kambirhi

$\square + \square = \square$

$2 \times \square = \square$

Ku andzisa 8 kambirhi

$\square + \square = \square$

$2 \times \square = \square$

Ku andzisa 10 kambirhi

$\square + \square = \square$

$2 \times \square = \square$



Ndzi kumile 8 wa mikutlunyo. Munghana wa mina u kumile leyi andzisaka kambirhi. Xana munghana wa mina u na mikutlunyo yingani?

\_\_\_\_\_



Teacher:

Sign:

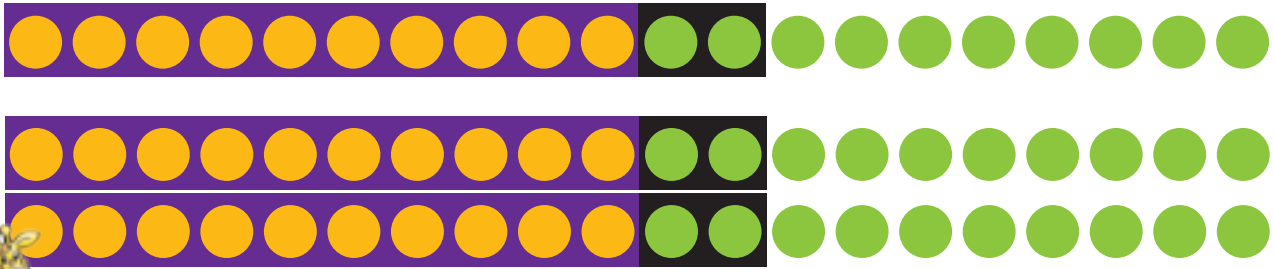
Date:



Siku:

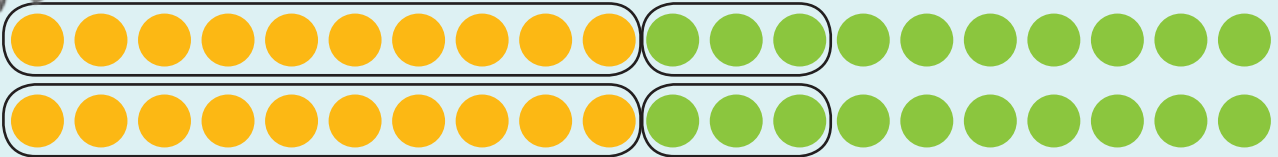
Ku andzisa kambirhi kun'wana

Ku andzisa 12 kambirhi



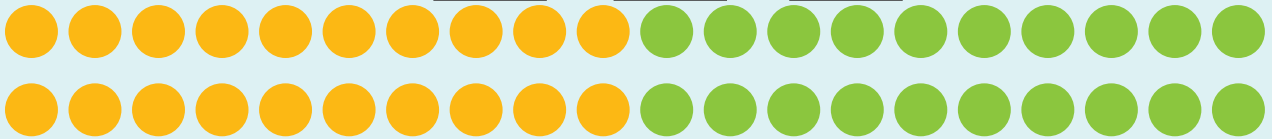
Tirhisa vuhlalu ku andzisa tinomboro kambirhi. Hi ku endlele yo sungula.

Ku andzisa 13 kambirhi



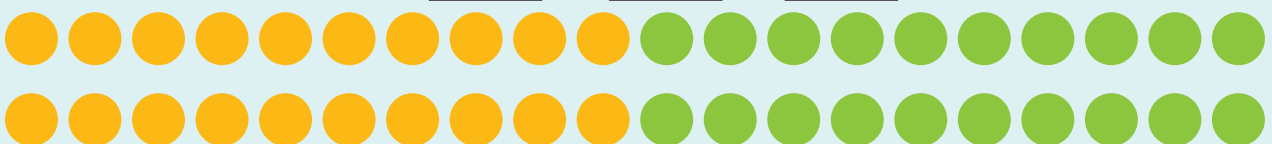
Ku andzisa 15 kambirhi

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



Ku andzisa 14 kambirhi

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



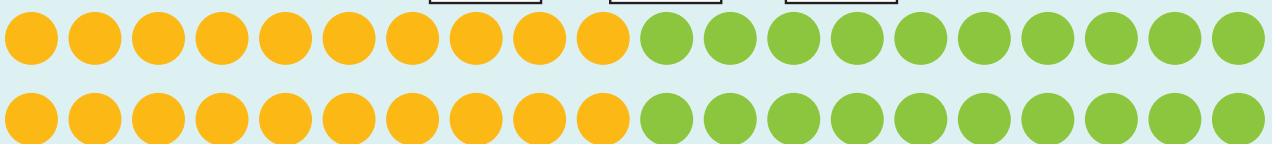
Ku andzisa 11 kambirhi

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



Ku andzisa 16 kambirhi

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



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



Ku andzisa tinomboro kambirhi. Khalara tibuloko ku kombisa nhlamulo ya wena.

Ku andzisa 11 kambirhi

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

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

Ku andzisa 13 kambirhi

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

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

Ku andzisa 14 kambirhi

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

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

Ku andzisa 15 kambirhi

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

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


Andzisa kambirhi leswi landzelaka.

Ku andzisa 11 kambirhi

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

Ku andzisa 13 kambirhi

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

Ku andzisa 16 kambirhi

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

Ku andzisa 17 kambirhi

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

Ku andzisa 19 kambirhi

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

$2 \times \square = \square$

$2 \times \square = \square$

$2 \times \square = \square$

$2 \times \square = \square$

$2 \times \square = \square$



Ndzi peletile 14 wa marito hi ndlela leji faneleke. Muhluri u kumile nhlayo leji hi kambirhi.



Teacher:

Sign:

Date:

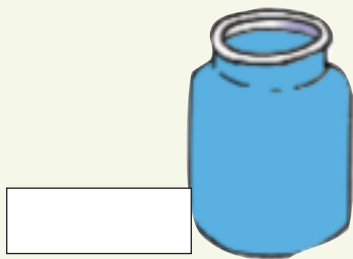
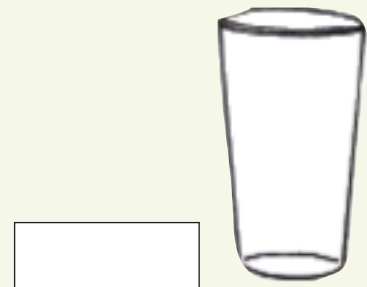
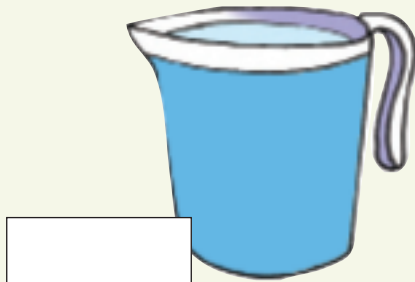


### Swibye swo chela na vundzeni

Bula hi swibye swo chela leswi nga emadesikeni.



Vula loko xibye xo chela xi tele kumbe xi ri hava nchumu.





Khalara ku kombisa leswaku swibye leswi swo chela swi \_\_\_\_\_.



Dirowa swibye swa wena kutani u khalaria leswi nga endzeni ka swona ku kombisa:

Xi hava nchumu	Xi tele
Xi hava nchumu	Xi tele



Teacher:  
Sign:  
Date:



Ku andzisa:  $\times 3$

Xana ku na swiwitsi swingani etafuleni rin'wana na rin'wana?




Hetisa leswi landzelaka:

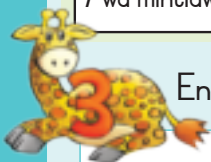
●●● ●●●  
 2 wa mintlawa ya 3  $3 + 3 =$   $2 \times 3 =$

●●● ●●● ●●● ●●● ●●●  
 5 wa mintlawa ya 3  $3 + 3 + 3 + 3 + 3 =$   $5 \times 3 =$

●●● ●●● ●●● ●●●  
 4 wa mintlawa ya 3  $3 + 3 + 3 + 3 =$   $4 \times 3 =$

●●● ●●● ●●● ●●● ●●● ●●●  
 6 wa mintlawa ya 3  $3 + 3 + 3 + 3 + 3 + 3 =$   $6 \times 3 =$

●●● ●●● ●●● ●●● ●●● ●●● ●●●  
 7 wa mintlawa ya 3  $3 + 3 + 3 + 3 + 3 + 3 + 3 =$   $7 \times 3 =$



Endla xifaniso xa leswi landzelaka.

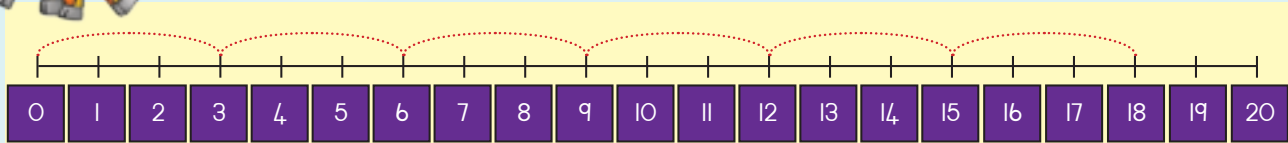
3 wa mintlawa ya 3

4 wa mintlawa ya 3

5 wa mintlawa ya 3



Dirowa xifaniso xa leswi landzelaka.



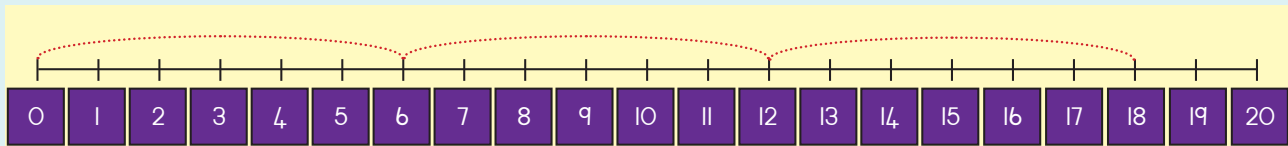
3, 6, 9, 12, \_\_\_\_, \_\_\_\_

$3 + 3 + 3 + 3 + 3 + 3 = \square$

6 wa mintlawwa ya  $\square = \square$

$6 \times 3 = \square$

Xifaniso



6, \_\_\_\_, \_\_\_\_

$6 + \square + \square = \square$

3 wa mintlawwa ya  $\square = \square$

$3 \times \square = \square$

Xifaniso



Poto ro sweka ri na milenge minharhu.  
Xana 7 wa mapoto yo sweka ya na milenge yingani?



3 6 9 12 15 18

21 24 27 30 33



Teacher:  
Sign:  
Date:



Siku:



Tipatironi ta tinomboro: Vunharhu

A hi hlayeleni hi vunharhu.

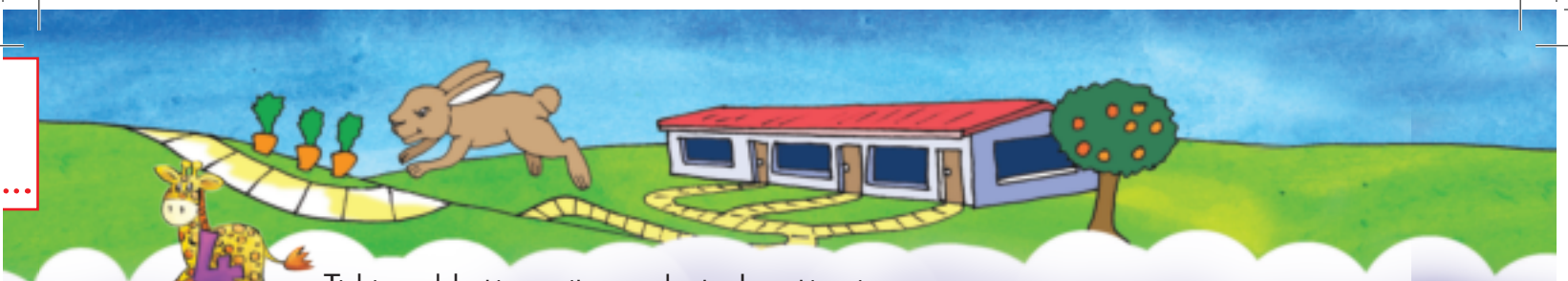


Dirowa kumbe u damarheta swifaniso swa swilo leswi taka hi vunharhu.

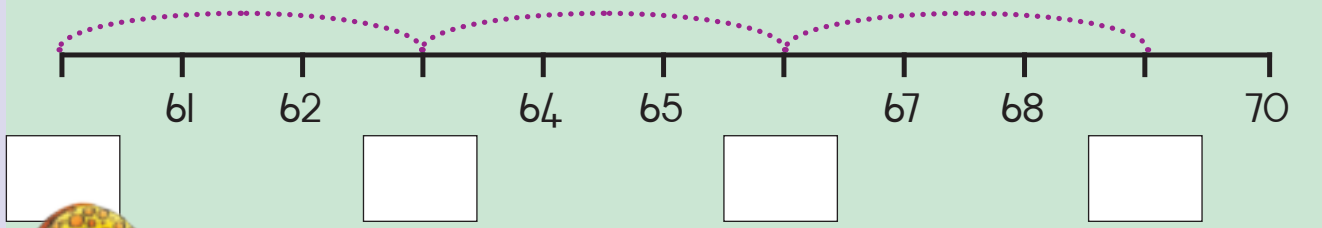
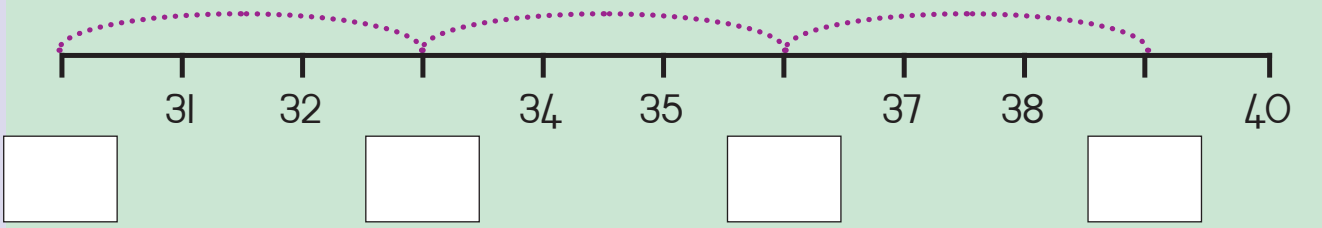
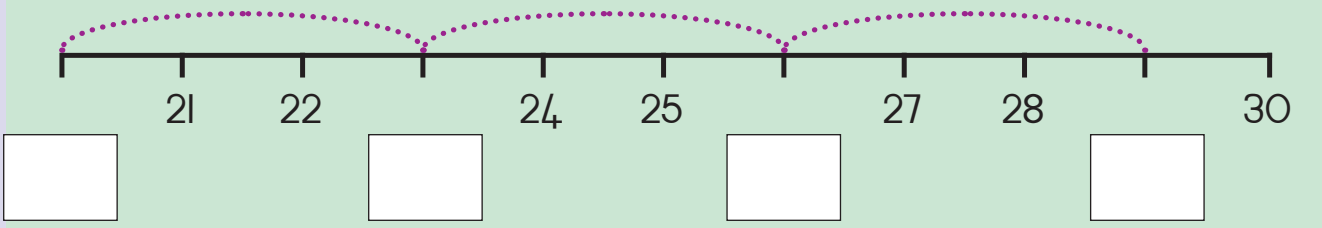
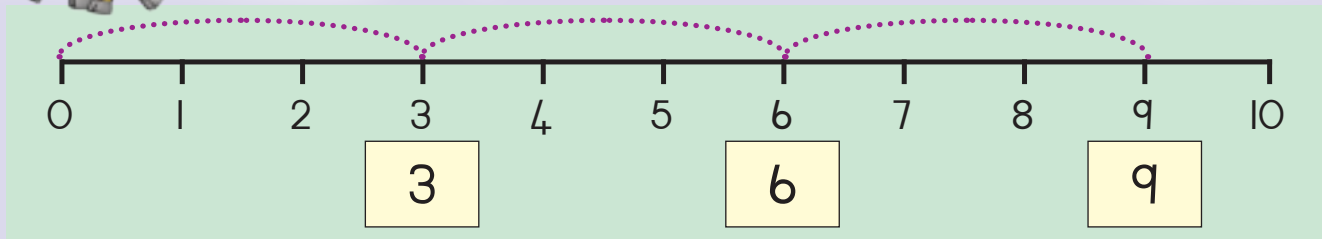


Hi sungule patironi. Yi hetise.

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



Tirhisa ndzhati wa mitsengo ku tsala patironi.



Hetisa leswi landzelaka.

3, 6, 9, __, __, __	1, 4, 7, __, __, __	99, 96, 93, __, __, __
36, 39, 42, __, __, __	22, 25, 28, __, __, __	66, 63, 60, __, __, __
12, 15, 18, __, __, __	15, 12, 9, __, __, __	40, 37, 34, __, __, __



Ku na IO wa tithirayisekele ekhireche.  
Xana ku na mavhilwa mangani ya tithirayisekele?



Teacher:  
Sign:  
Date:



Ku andzisa:  $\times 4$

Xana ku na swiwitsi swingani etafuleni rin'wana na rin'wana?




Hetisa leswi landzelaka.

●●●● ●●●● ●●●●

3 wa mintlawa ya 4  $4 + 4 + 4 =$   $3 \times 4 =$

●●●● ●●●●

2 wa mintlawa ya 4  $4 + 4 =$   $2 \times 4 =$

●●●● ●●●● ●●●● ●●●●

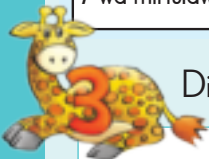
4 wa mintlawa ya 4  $4 + 4 + 4 + 4 =$   $4 \times 4 =$

●●●● ●●●● ●●●● ●●●● ●●●● ●●●●

6 wa mintlawa ya 4  $4 + 4 + 4 + 4 + 4 + 4 =$   $6 \times 4 =$

●●●● ●●●● ●●●● ●●●● ●●●● ●●●● ●●●●

7 wa mintlawa ya 4  $4 + 4 + 4 + 4 + 4 + 4 + 4 =$   $7 \times 4 =$



Dirowa xifaniso xa leswi landzelaka:

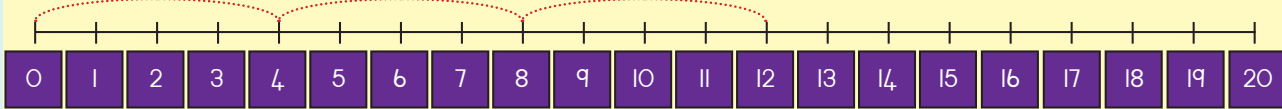
3 wa mintlawa ya 4

4 wa mintlawa ya 4

5 wa mintlawa ya 4



Dirowa xifaniso xa leswi landzelaka.



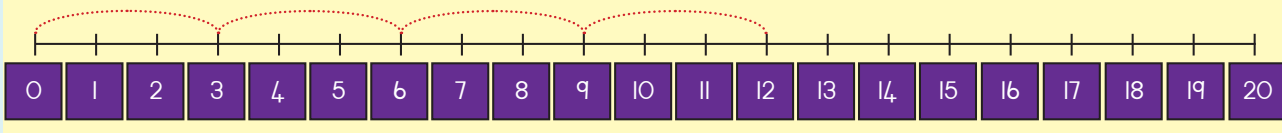
4, 8, \_\_\_

$4 + 4 + 4 = \square$

3 wa mintlawwa ya 4 =  $\square$

$3 \times 4 = \square$

Xifaniso



3, 6, 9, \_\_\_

$3 + 3 + 3 + 3 = \square$

4 wa mintlawwa ya  $\square = \square$

$4 \times \square = \square$

Xifaniso



Hanci yi na milenge ya mune.  
Xana 3 wa tihanci ti na milenge yingani?

4 8 12 16 20 24  
28 32 36 40



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

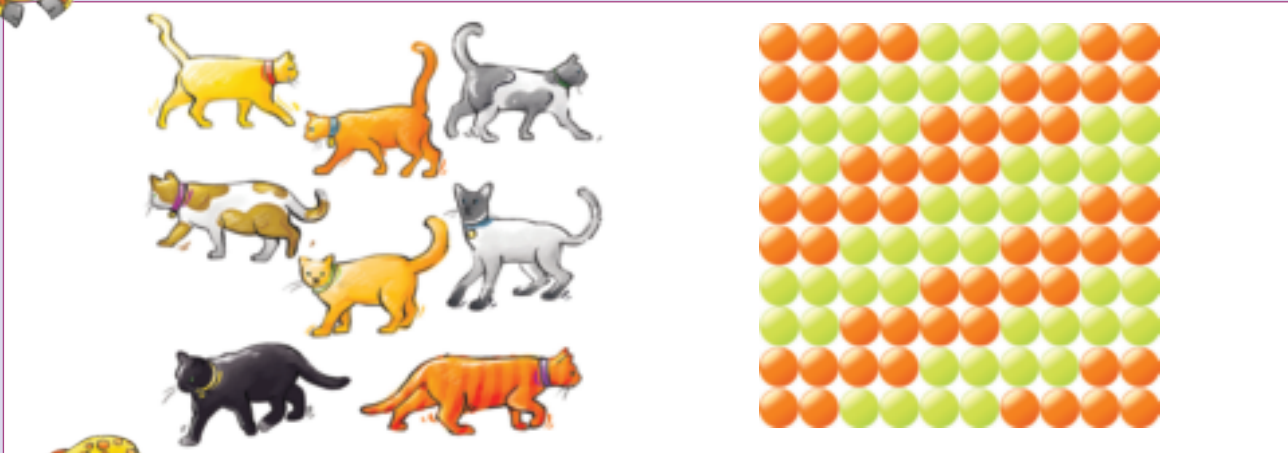


Siku:



### Tipatironi ta tinomboro: Vumune

A hi hlayeleni hi vumune.



Dirowa kumbe u damarheta swifaniso swa swilo leswi taka hi vumune.

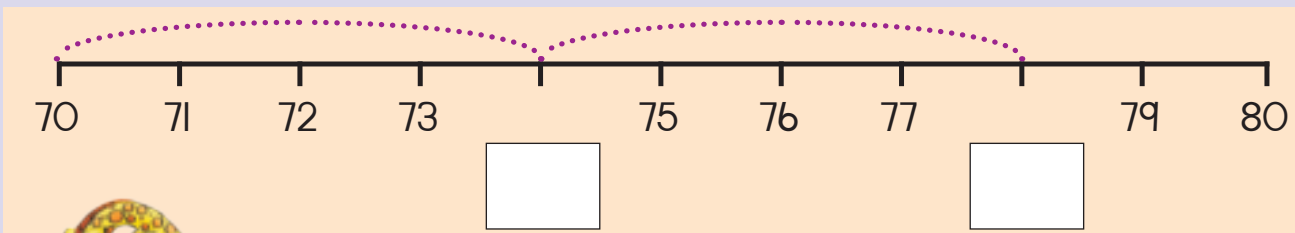
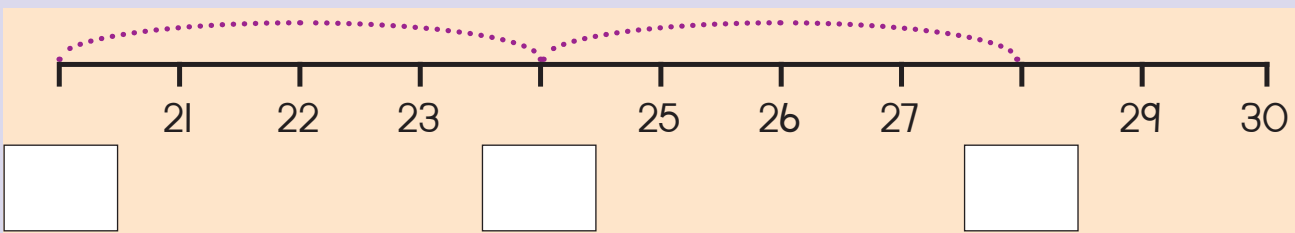
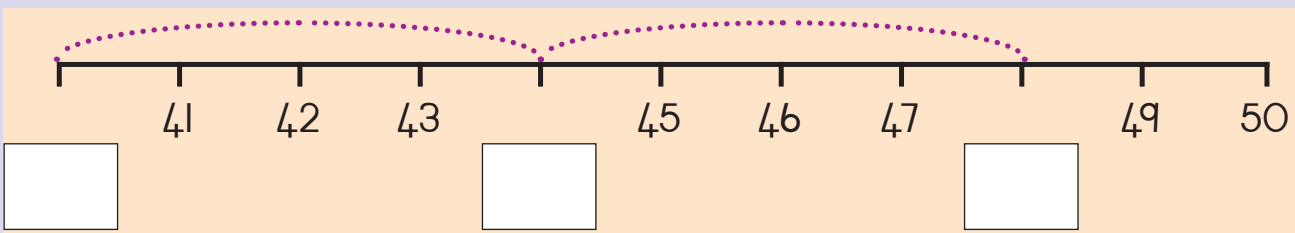
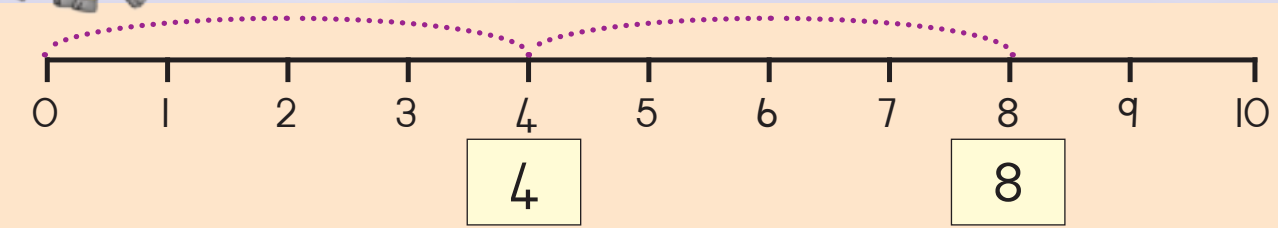


Hi sungule patironi. Yi hetise.

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



Tirhisa mindzhati ya mitsengo ku tsala patironi.



Hetisa leswi landzelaka.

4, 8, 12, __, __, __	1, 5, 9, __, __, __	48, 44, 40, __, __, __
28, 32, 36, __, __, __	42, 46, 50, __, __, __	60, 56, 52, __, __, __
12, 16, 20, __, __, __	20, 16, 12, __, __, __	70, 66, 62, __, __, __



Ku na mabisikiti ya mune ephakitini. Ndzi xavisile 9 wa maphakiti. Xana ndzi xavisile mabisikiti mangani?



Teacher:  
Sign:  
Date:



Siku:

### Switori swo andzisa swin'wana

Endla xitori xa wena u tirhisa marito yo tanihi mahlo, milenge, mavoko, minkondzo, swiharhi na vanhu. Engetela nomboro eka xin'wana na xin'wana.



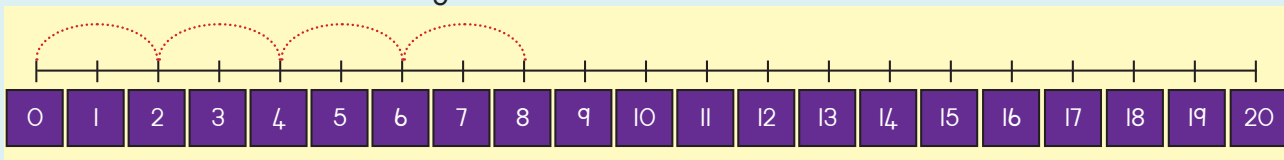
Ximanga xi na 2 wa mahlo. Xana 4 wa swimanga swi na mahlo mangani?

Khalara mahlo ya swimanga.

Ya kombise hi swihlayelo.



Ya kombise eka ndzhati wa mitsengo.



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

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



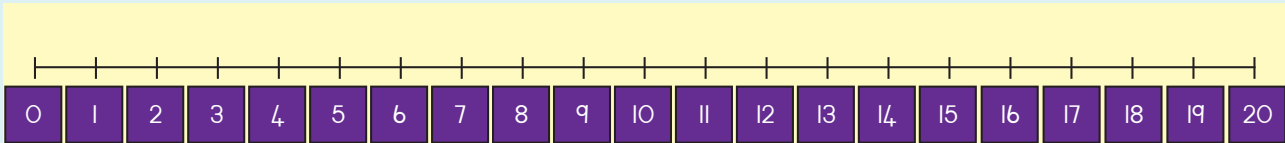
Swikanyakanya swa thirayisekele swi na 3 wa mavhilwa.  
Xana 5 wa swikanyakanya swi na mavhilwa mangani?



Khalara mavhilwa ya swikanyakanya.

Ya kombise hi swihlayelo.

Ya kombise eka ndzhati wa mitsengo.

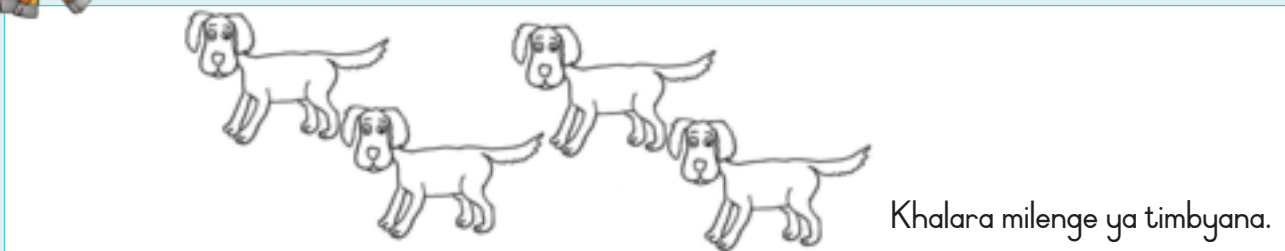


$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

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



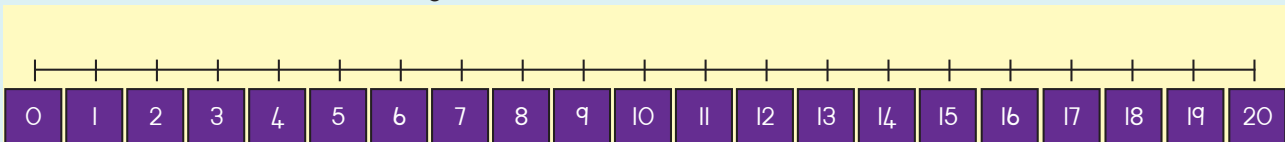
Mbyana yi na 4 wa milenge. Xana 4 wa timbyana ti na milenge yingani?



Khalara milenge ya timbyana.

Yi kombise hi swihlayelo.

Yi kombise eka ndzhati wa mitsengo.



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

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



Teacher:

Sign:

Date:



Bulani hi wachi.



Tiawara

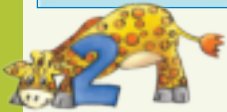
Siku:



Rimhondzo ro koma ra wachi ri hi kombisa tiawara.

Laha ri kombisa 7 wa tiawara.

Rimhondzo ewachini ra rhendzeleka rhendzeleka.  
Rimhondzo ewachini ri rhendzeleka ku hi hlamusela nkarhi.



Xana rimhondzo ro koma ri hi kombisa yini?



awara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



Dirowa rimhondzo ro koma.

4 wa tiawara



1 awara



11 wa tiawara



7 wa tiawara



9 wa tiawara



10 wa tiawara



2 wa tiawara



5 wa tiawara



3 wa tiawara



6 wa tiawara



8 wa tiawara



12 wa tiawara



Xana i yini lexi nga tekaka awara ku xi endla? Khalara nhlamulo leji faneleke.



Ku endla ntirhokaya



Ku etlela



Ku buracha meno



Teacher:

Sign:

Date:



Siku:



## Tipatironi ta tinomboro: Vuntlhanu

A hi hlayeleni hi vutlhanu.



Dirowa kumbe u damarheta swifaniso swa swilo leswi taka hi **vuntlhanu**.

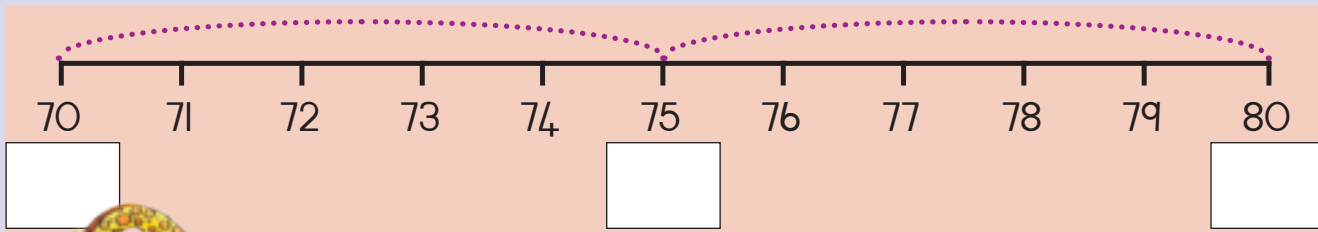
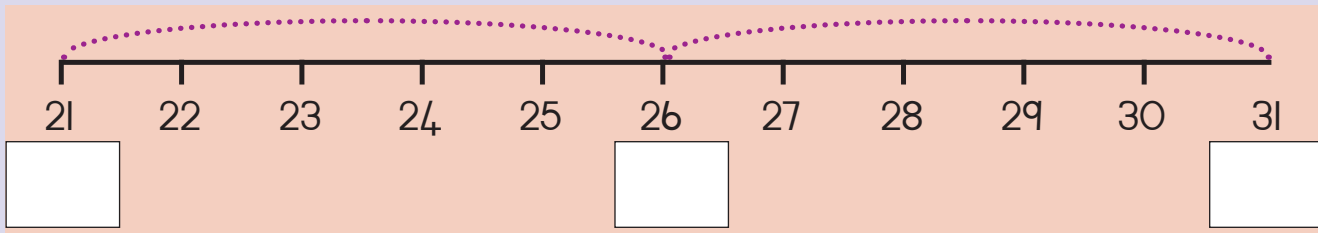
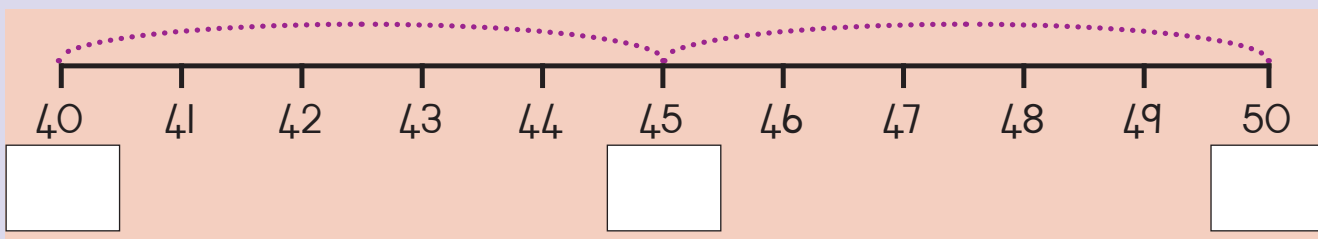
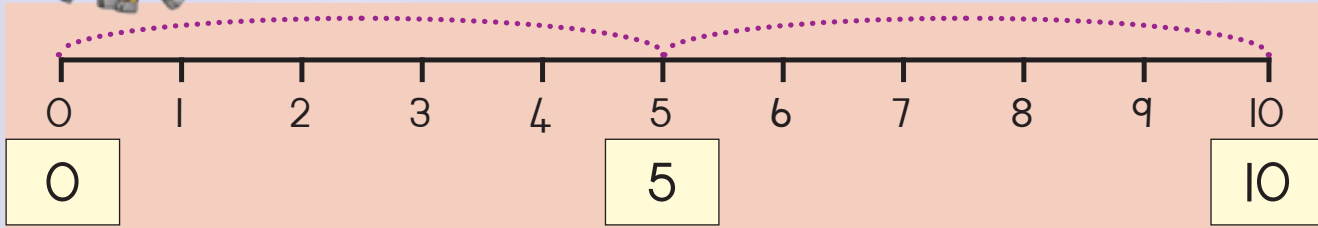


Hi sungule patironi. Yi hetise.

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



Tirhisa mindzhati ya mitsengo ku tsala patironi.



Hetisa leswi landzelaka.

5, 10, 15, __, __, __	1, 6, 11, __, __, __	50, 45, 40, __, __, __
20, 25, 30, __, __, __	23, 28, 33, __, __, __	60, 55, 50, __, __, __
30, 35, 40, __, __, __	25, 20, 15, __, __, __	54, 49, 44, __, __, __

5 10 15 20 25 30 35 40 45 50



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

57a

Kotara ya 2



Siku:

# Timinete

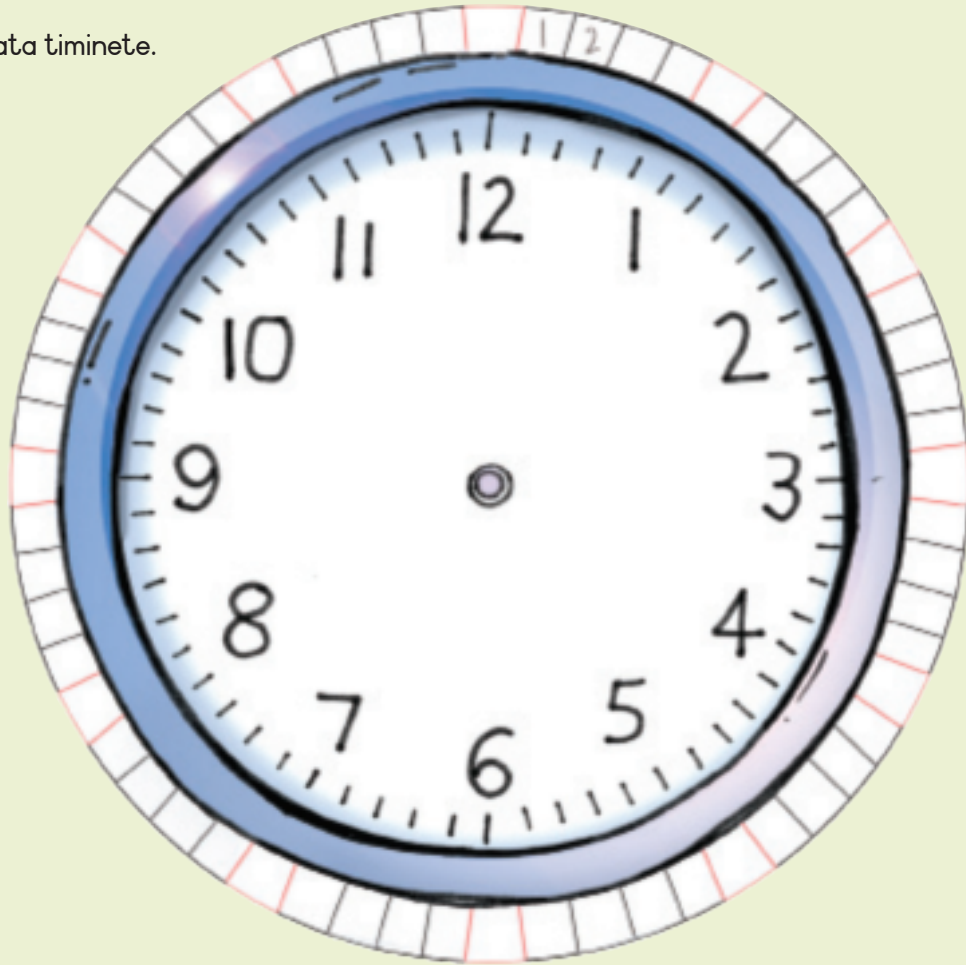
Xana hi yi tirhisa njhani mintila yo koma ya ntima enghoheni ya wachi?



Ehleketwa swilo hinkwaswo leswi u nga swi endlaka hi minete yin'we.



Tata timinete.



Tsala tinomboro eswikwereni swo tshwuka laha.



Dirowa swilo leswi u nga swi endlaka hi ...

U nga kombela  
munhu lonkulu  
leswaku a ku pfuna.



1 minete

5 wa timinete

30 wa timinete

60 wa timinete



Teacher:  
Sign:  
Date:

57b

Kotara ya 2



Bulani hi wachi.

# Swin'wana hi timinete

Siku:



Rimhondzo ro leha ra wachi ri hi kombisa timinete.  
Laha ri kombisa 10 wa timinete.

Rimhondzo ewachini ra rhendzeleka  
rhendzeleka.  
Rimhondzo ewachini ri rhendzeleka ku hi  
hlamusela nkarhi.



Xana rimhondzo ro leha ri kombisa yini?



wa timinete



wa timinete



wa timinete



wa timinete



wa timinete



wa timinete



Dirowa rimhondzo ro leha.

55 wa timinete



35 wa timinete



60 wa timinete



10 wa timinete



45 wa timinete



12 wa timinete



Xana i yini xi nga tekaka minete ku xi endla? Khalara nhlamulo leyi faneleke.



Ku tlula khadi



Ku tlanga



Ku dya



Teacher:

Sign:

Date:



### Ku vumba ntlawa na ku avela

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



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

×  =

×  =

×  =



Ava tibuloko hi ku ringana exikarhi ka swirhendzevutana.

ti aviwa exikarhi ka  =

ti aviwa exikarhi ka  =



Dirowa leswi landzelaka. Tsala nhlayo ya xin'wana na xin'wana.

3 wa mintlawa ya 2



Nhlayo yo hlanganisa:



Nhlayo yo andzisa:

2 wa mintlawa ya 14



Nhlayo yo hlanganisa:



Nhlayo yo andzisa:

Ava swihlayelo swa 12 exikarhi ka 4.



Nhlayo yo susa:



Nhlayo ya ku ava exikarhi ka  
(ku avanyisa):

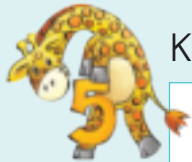
Ava swihlayelo swa 36 exikarhi ka 3.



Nhlayo yo susa:



Nhlayo ya ku ava exikarhi ka  
(ku avanyisa):



Khakhuleta:

2 wa mintlawa ya 7 \_\_\_\_\_ 3 wa mintlawa ya va 8 \_\_\_\_\_

4 wa mintlawa ya va 5 \_\_\_\_\_ 2 wa mintlawa ya va 15 \_\_\_\_\_

Avanyisa 18 hi 2 \_\_\_\_\_ Avanyisa 24 hi 3 \_\_\_\_\_

Avanyisa 35 hi 5 \_\_\_\_\_ Avanyisa 50 hi 10 \_\_\_\_\_



A ku ri na 6 wa mintlawa ya 5 ephatini ya mina.  
Xana a ku ri na vana vangani ephatini ya mina?




Teacher:


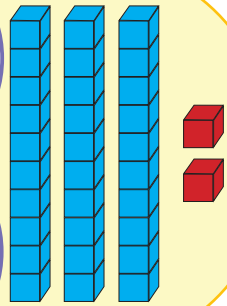
Sign:


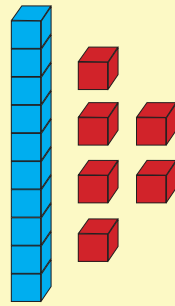
Date:


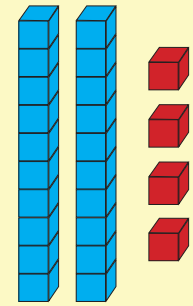
### Ku vumba mitlawa yin'wana na ku avela


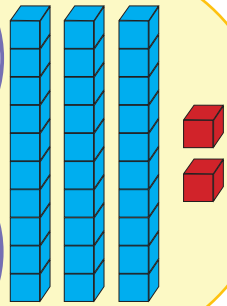
Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana? Ti ave hi ku ringana exikarhi ka vana.


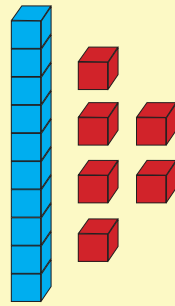



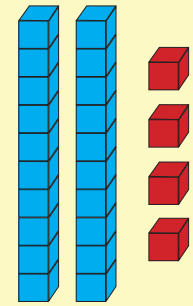



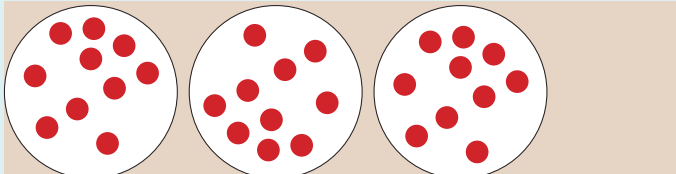
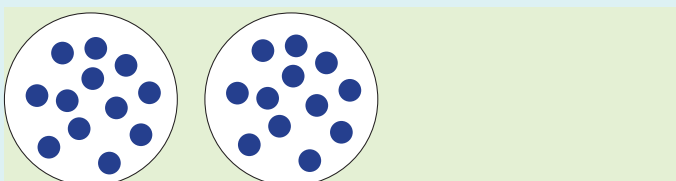
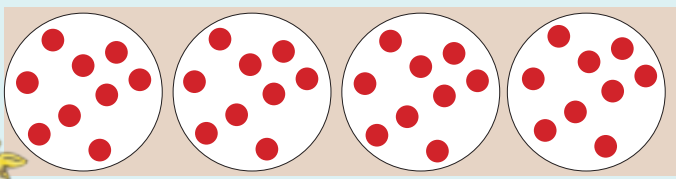



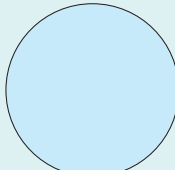



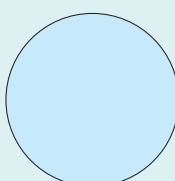



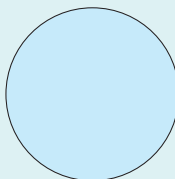


Xana ku na swihlayelo swingani eka xirhendzevutana xin'wana na xin'wana? Tsala ntsengo eka xirhendzevutana xa wasi.

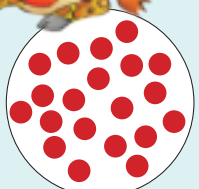
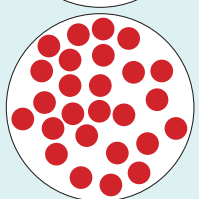

 $\square \times \square = \square$

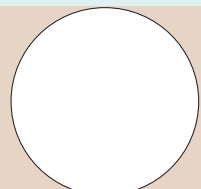
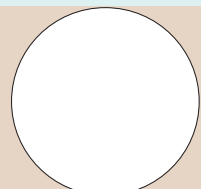

 $\square \times \square = \square$

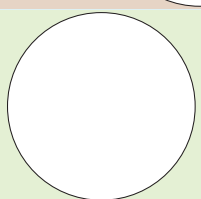
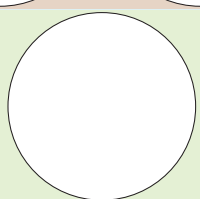
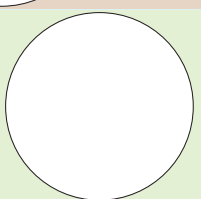

 $\square \times \square = \square$



Avanyisa swihlayelo endzeni ka swirhendzevutana.



 $\square$  yi aviwa exikarhi ka  $\square = \square$




 $\square$  yi aviwa exikarhi ka  $\square = \square$



Dirowa leswi landzelaka. Tsala nhlayo ya wa xin'wana na xin'wana.

3 wa mintlawo ya va-12

+ Nhlayo yo hlanganisa:

× Nhlayo yo andzisa:

5 wa mintlawo ya va-10

+ Nhlayo yo hlanganisa:

× Nhlayo yo andzisa:

Ava swihlayelo swa 24 exikarhi ka 4.

— Nhlayo yo susa:

÷ Nhlayo ya ku ava exikarhi ka  
(ku avanyisa):

Ava swihlayelo swa 25 exikarhi ka 5.

— Nhlayo yo susa:

÷ Nhlayo ya ku ava exikarhi ka  
(ku avanyisa):



Khakhuleta:

2 wa mintlawo ya 11 \_\_\_\_\_ 3 wa mintlawo ya 10 \_\_\_\_\_

4 wa mintlawo ya 4 \_\_\_\_\_ 2 wa mintlawo ya 25 \_\_\_\_\_

Avanyisa 20 hi 2 \_\_\_\_\_ Avanyisa 27 hi 3 \_\_\_\_\_

Avanyisa 50 hi 5 \_\_\_\_\_ Avanyisa 28 hi 2 \_\_\_\_\_



kambirhi



Teacher:


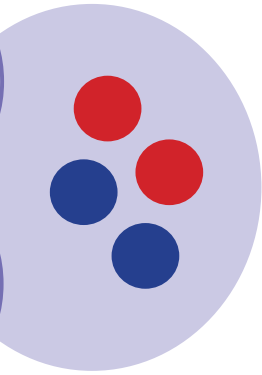

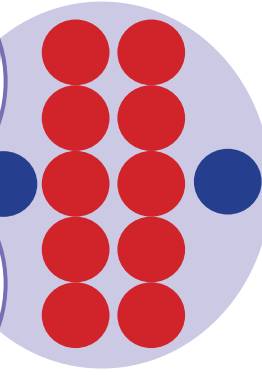

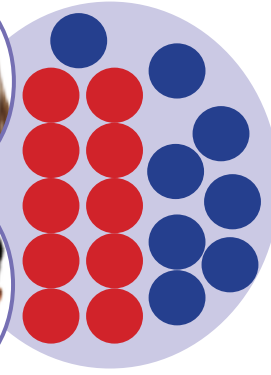

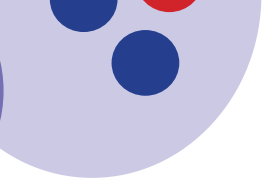

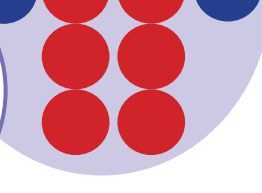

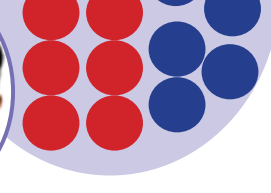
Sign:

Date:

### Ku vumba mintlawwa yin'wana na ku avela

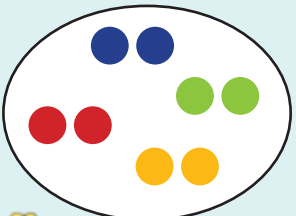
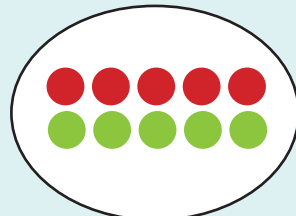
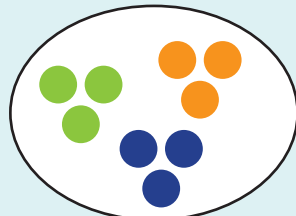
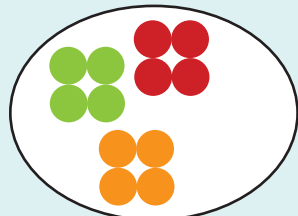
Xana ku na swihlayelo swingani eka xirhendzevutana xin'wana na xin'wana? Swi ave hi ku ringana exikarhi ka vana.









Xana ku na swihlayelo swingani eka xirhendzevutana xin'wana na xin'wana?

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



Tsema swivumbeko ku suka eka Xitsemiwa xa 4 kutani u swi damarheta eka tibuloko leti faneleke. Hlayela swivumbeko.

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



Ava swivumbeko exikarhi ka vana. Tirhisa swivumbeko ku suka eka Xitsemiwa xa 4.  
(Xiyenge xa phepha ro tirhela ra 60)

tijinhlanharhu




swikwere













Ava mihandzu exikarhi ka vana. Yi dirowe.



malamula




maapula













John na Belinda va avelane 12 wa swiwitsi hi ku ringana.  
Xana un'we u amukele swingani?



Teacher:

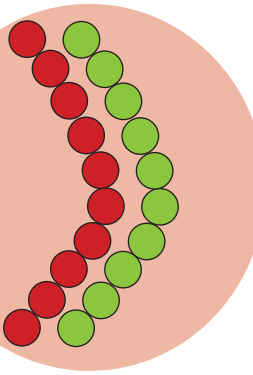

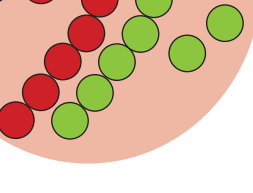

Sign:

Date:

Ku vumba mintlawa na ku avela nakambe

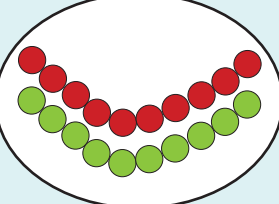
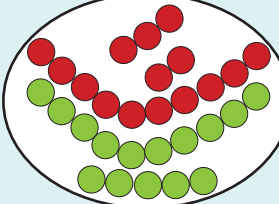
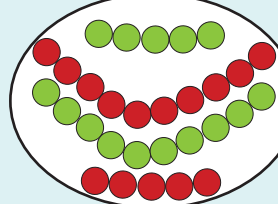
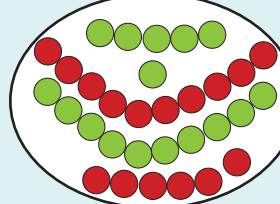
Xana ku na vuhlalu byingani eka xirhendzevutana xin'wana na xin'wana?  
Byi ave exikarhi ka vana.





Xana ku na vuhlalu byingani eka xirhendzevutana xin'wana na xin'wana?

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



Tsema vuhlalu ku suka eka Xitsemiwa xa 4 (Xiyenge xa phepha ro tirhela ra 61) kutani u byi damarheta laha. Hlayela vuhlalu.

Vuhlalu byo tshwuka  <input type="text"/>	Vuhlalu bya wasi  <input type="text"/>
Vuhlalu bya xitshopana  <input type="text"/>	Vuhlalu bya rihlaza  <input type="text"/>



Dirowa ntsengo wo ringana wa vuhlalu bya n'wana un'wana na un'wana.



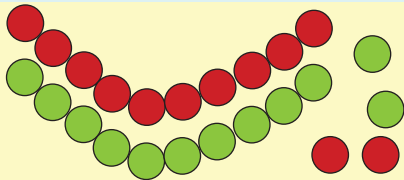




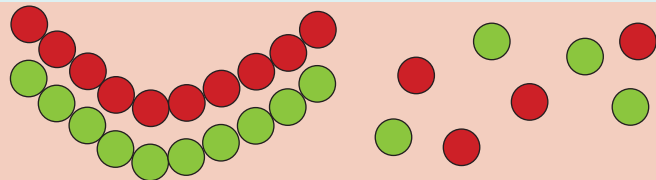




Ava vuhlalu exikarhi ka vana. Byi dirowe.















Busi na Zaheda va avelane 32 wa tikhirayoni hi ku ringana. Xana un'we u amukele tikhirayoni tingani?



Teacher:

Sign:

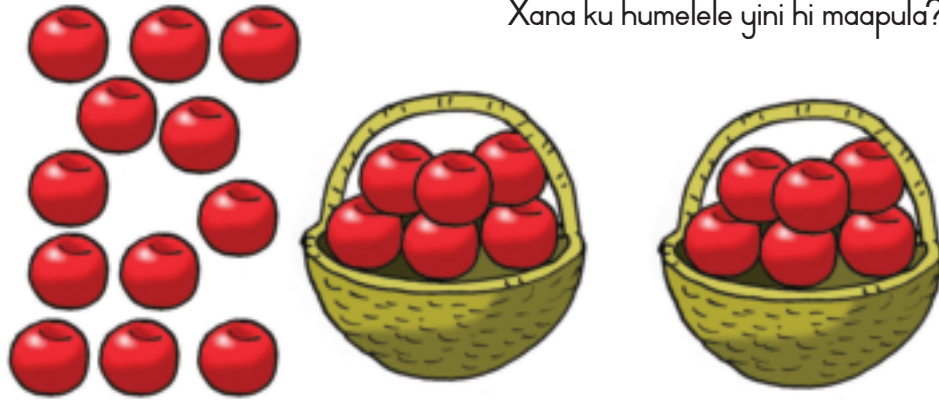
Date:



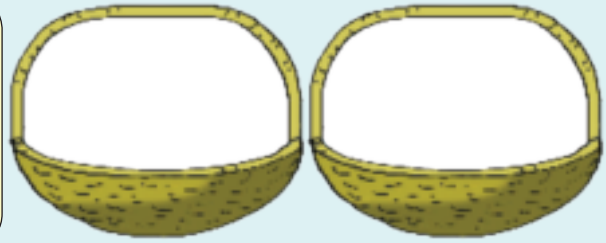
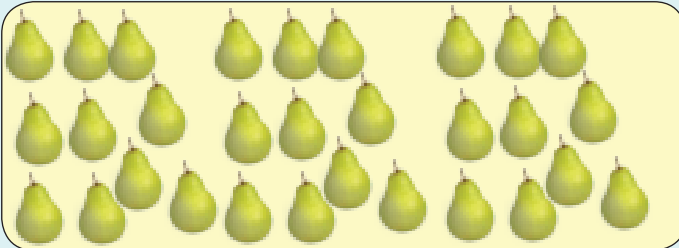
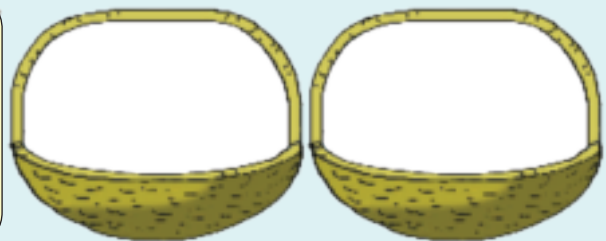
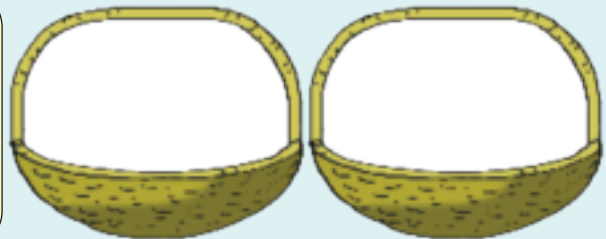
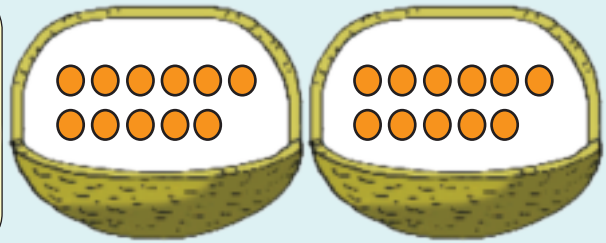
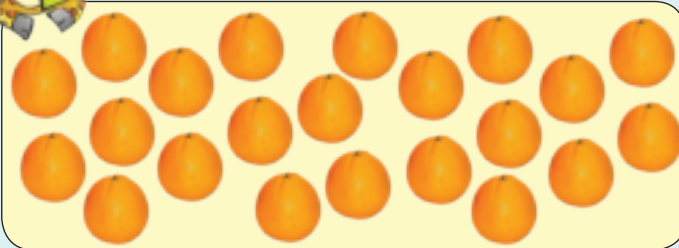
Siku: \_\_\_\_\_

Tihafu: 1 – 20

Xana ku humelele yini hi maapula?

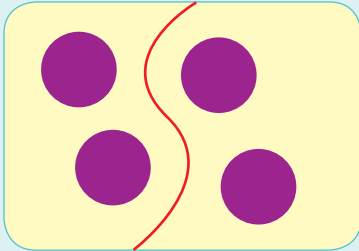


Ava mihandzu leyi nga eximatsini eka tibasikiti leti nga exineneni. Yi dirowe.

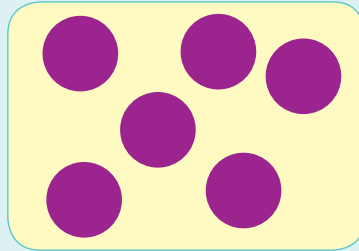




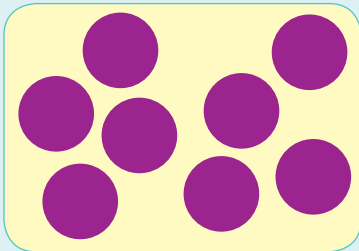
Dirowa layini ku kombisa hafu.



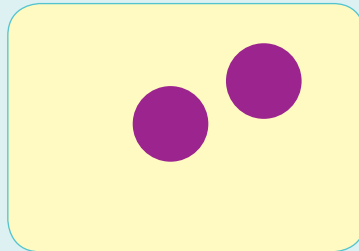
Hafu ya 4 i



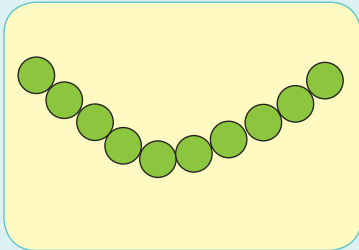
Hafu ya 6 i



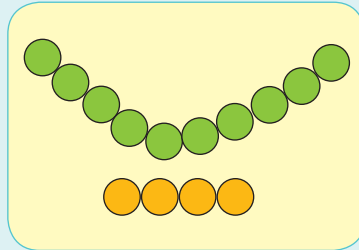
Hafu ya 8 i



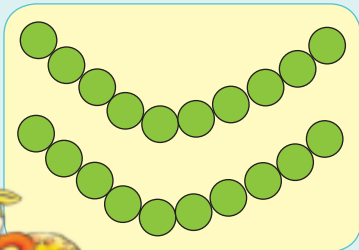
Hafu ya 2



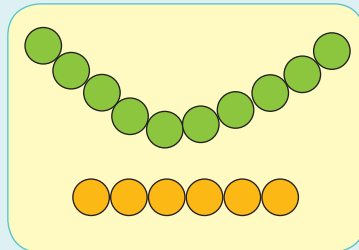
Hafu ya 10 i



Hafu ya 14 i



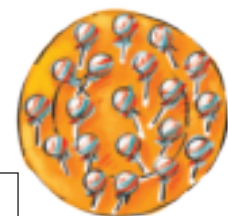
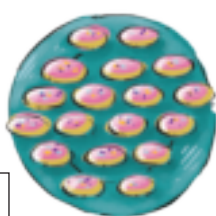
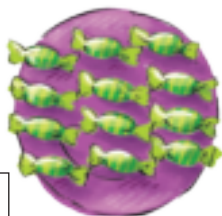
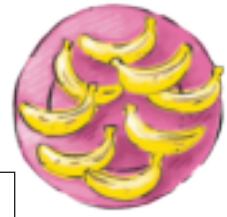
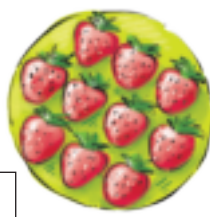
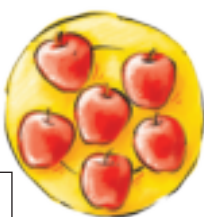
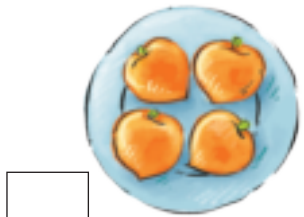
Hafu ya 20 i



Hafu ya 16 i



Xana hafu ya ndyelo yin'wana na yin'wana ya swakudya i yini?



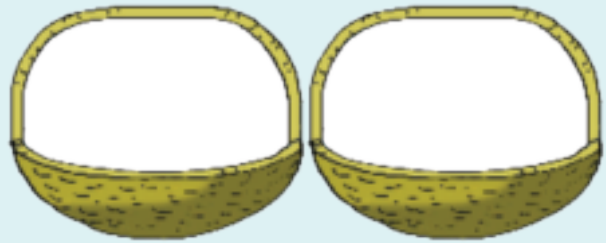
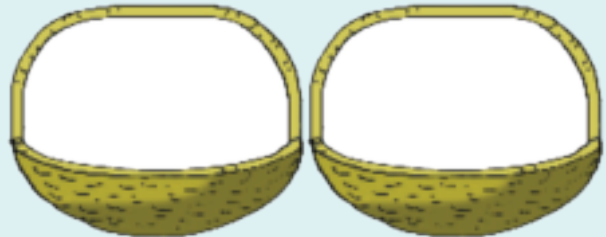
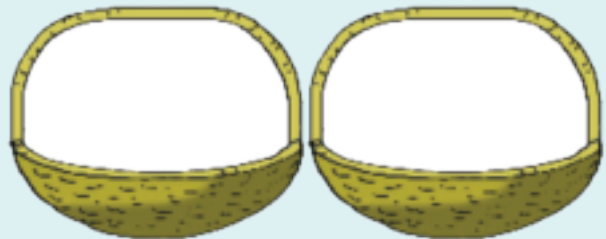
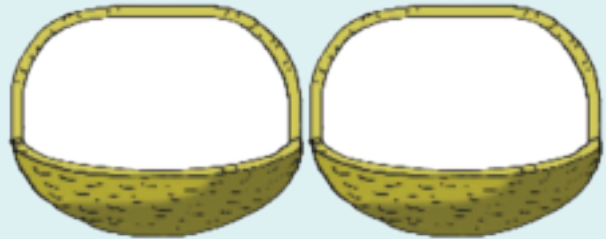
Teacher:  
Sign:  
Date:

Ku avelana 20 – 50

Byela munghana wa wena leswaku vuhlalu byi aviwe njhani exikarhi ka swibye swimbirhi.

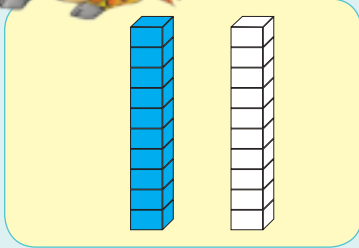


Ava vuhlalu hi ku ringana exikarhi ka tibasikiti timbirhi. Byi dirowe loko u ri karhi u byi chela endzeni ka basikiti.

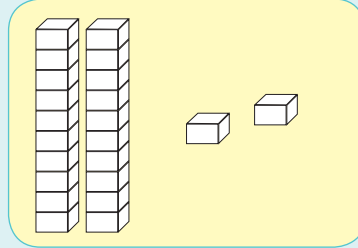







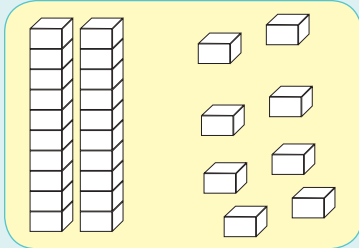
Khalara hafu yin'we hi muhlovo wo hambana.



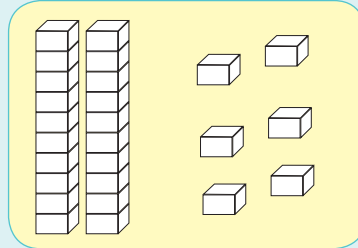
Hafu ya 20 i



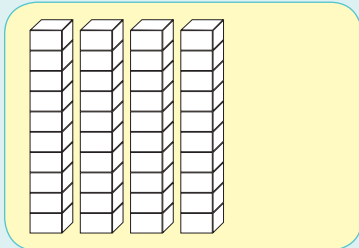
Hafu ya 22 i



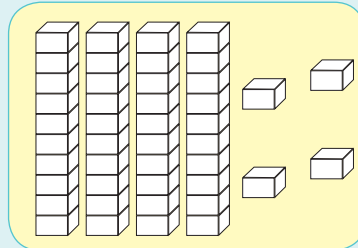
Hafu ya 28 i



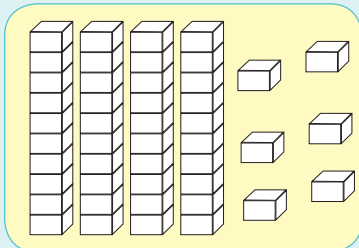
Hafu ya 26 i



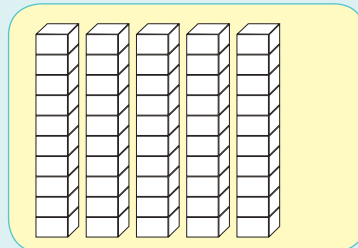
Hafu ya 40 i



Hafu ya 44 i



Hafu ya 46 i



Hafu ya 50 i



Khalara hafu ya dayigiramu yin'wana na yin'wana.

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

Siku

Switwiwa



Hlawulela mihandzu. Endla xifaniso xa wena xo kombisa. Tsala ntsengo ebokisini.

Hi ku hlawulela ndzi veka mihandzu leji fanaka swin'we.

Dorowa girafu ya swifaniso swa mihandzu leji hlawuleriweke.


Languta mihandzu kutani u hlamula swivutiso.


Mihandzu yo tala leji hi nga na yona hi yjhi?

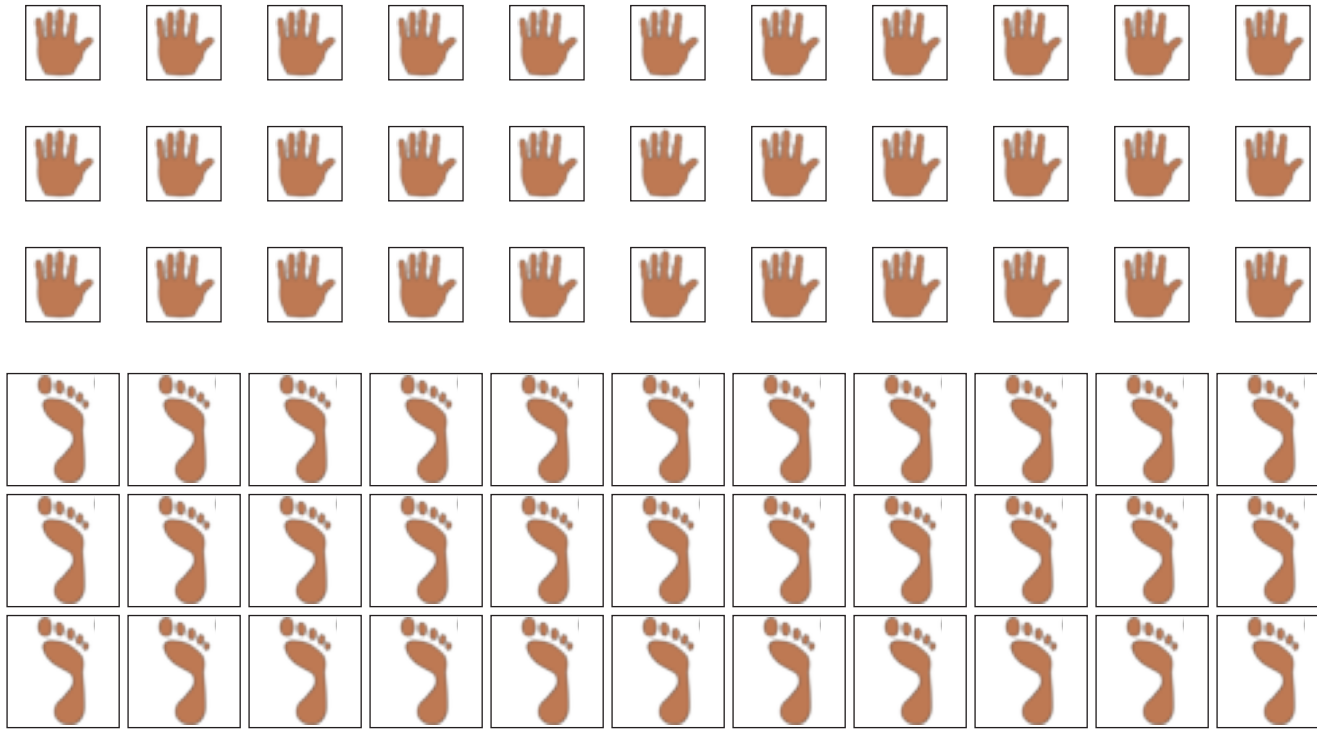
Mihandzu leji nga talangiki leji hi nga na yona hi yjhi?



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

# Xitsemiwa xa I

Maphepha yo tihela ya 10 na 40



Phepha ro tihela ra 13

nimixo  
swinene

ninhlekanhi

nindzhenga

nivusiku

nivusiku  
swenene

nimixo na  
ninhlekanhi



# Xitsemiwa xa 2

## Phepha ro tirhela ra 22

Swindleko swa matimu na swo hlawuleka

Siku ra  
Timfanelo ta  
Ximunhu

Siku ra  
Mbuyelelano

Siku ra Vtirhi

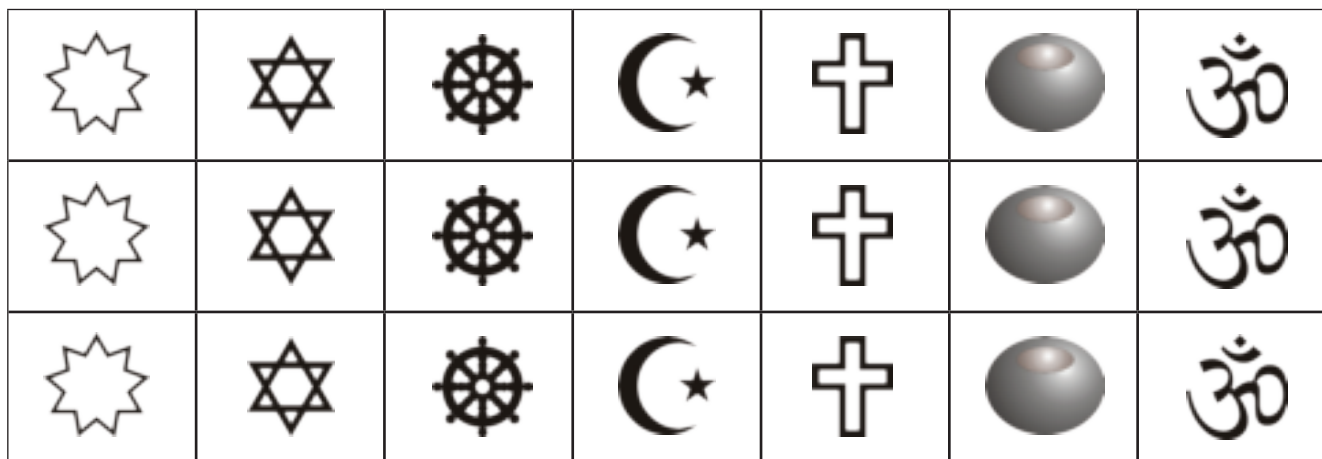
Siku ra  
Vantshwa

Siku ra  
Ndzhaka

Siku ra Rixaka  
ra Vavasati

Siku ra  
Ntshunxeko

Mifungho ya vukhonger



Xibahayi

Xiyuda

Xibuda

Islam

Xikriste

Xintu

Xihindu



# Cut-out 3

Worksheets 25 and 26

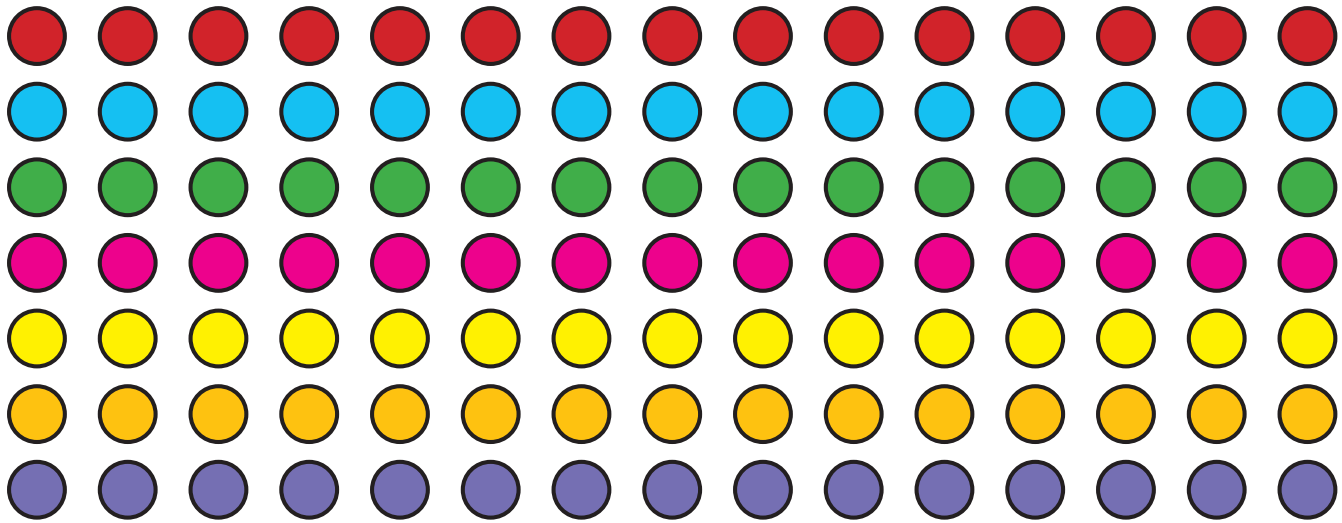


R50	R50	R50	R50	R50
R10	R10	R10	R10	R10
R20	R20	R20	R20	R20
R100	R100	R100	R100	R100
R50	R50	R50	R50	R50
R10	R10	R10	R10	R10
R20	R20	R20	R20	R20
R100	R100	R100	R100	R100

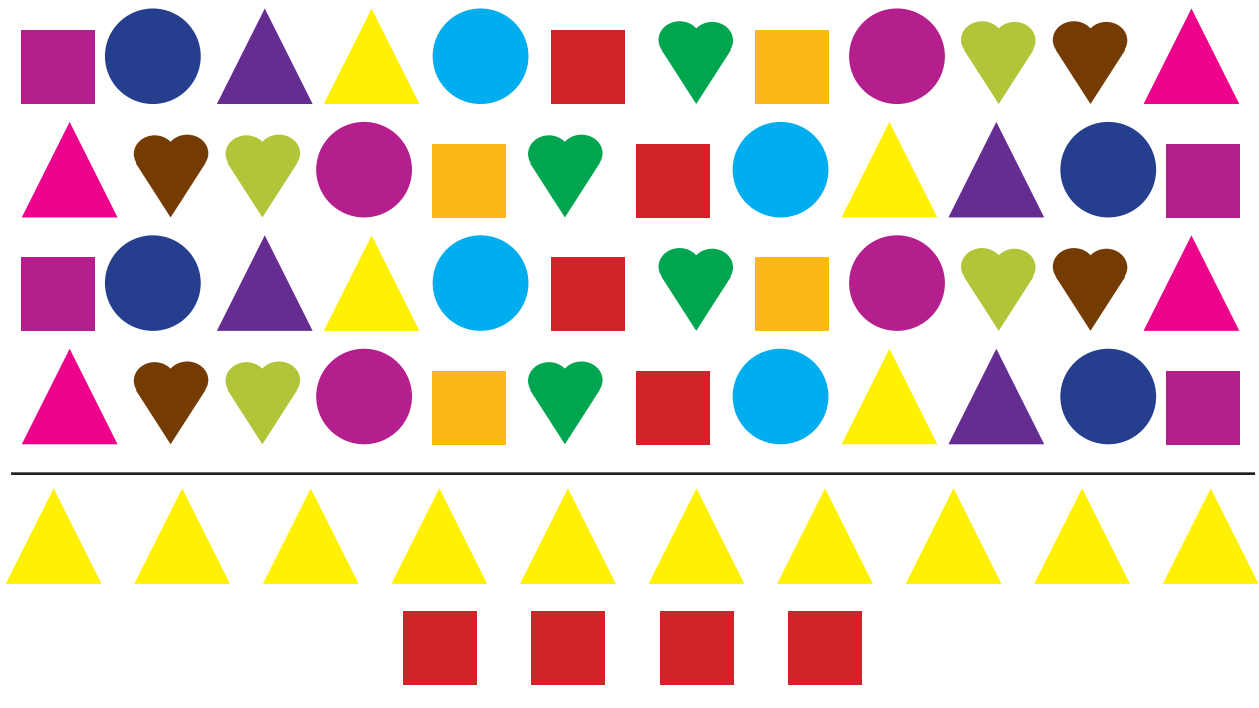


# Cut-out 4

## Worksheet 27



## Worksheet 60



## Worksheet 61

