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Holobye wa Dyondzo ya
Masungulo



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Xandla xa Holobye wa
Dyondzo ya Masungulo

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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.**

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

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

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

Hi ni ntshembo wa leswaku vana va ta tiphina no tsakela ku tirha micingiriko 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 vadyondzisi va wena eku tirhiseni tibuku leti to tirthela.



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MATEMATIKI HI XITSONGA – Giredi ya 2 Buku ya |

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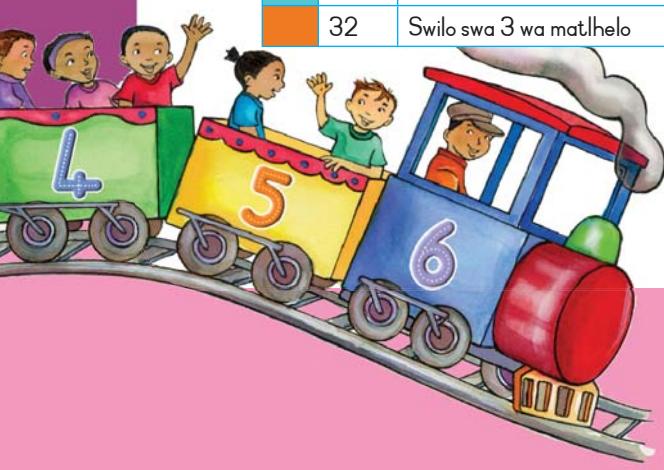


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1 na 2

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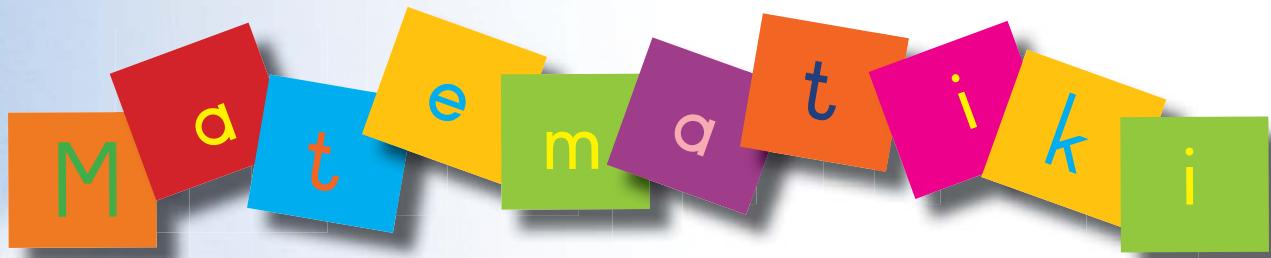
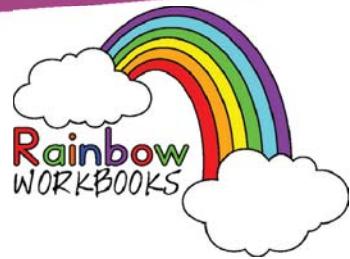


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I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20
I2I	22	23	24	25	26	27	28	29	30
I3I	32	33	34	35	36	37	38	39	40
I4I	42	43	44	45	46	47	48	49	50
I5I	52	53	54	55	56	57	58	59	60
I6I	62	63	64	65	66	67	68	69	70
I7I	72	73	74	75	76	77	78	79	80
I8I	82	83	84	85	86	87	88	89	90
I9I	92	93	94	95	96	97	98	99	100
I0I	I02	I03	I04	I05	I06	I07	I08	I09	I10
III	I12	I13	I14	I15	I16	I17	I18	I19	I20
I2I	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
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I9I	I92	I93	I94	I95	I96	I97	I98	I99	200

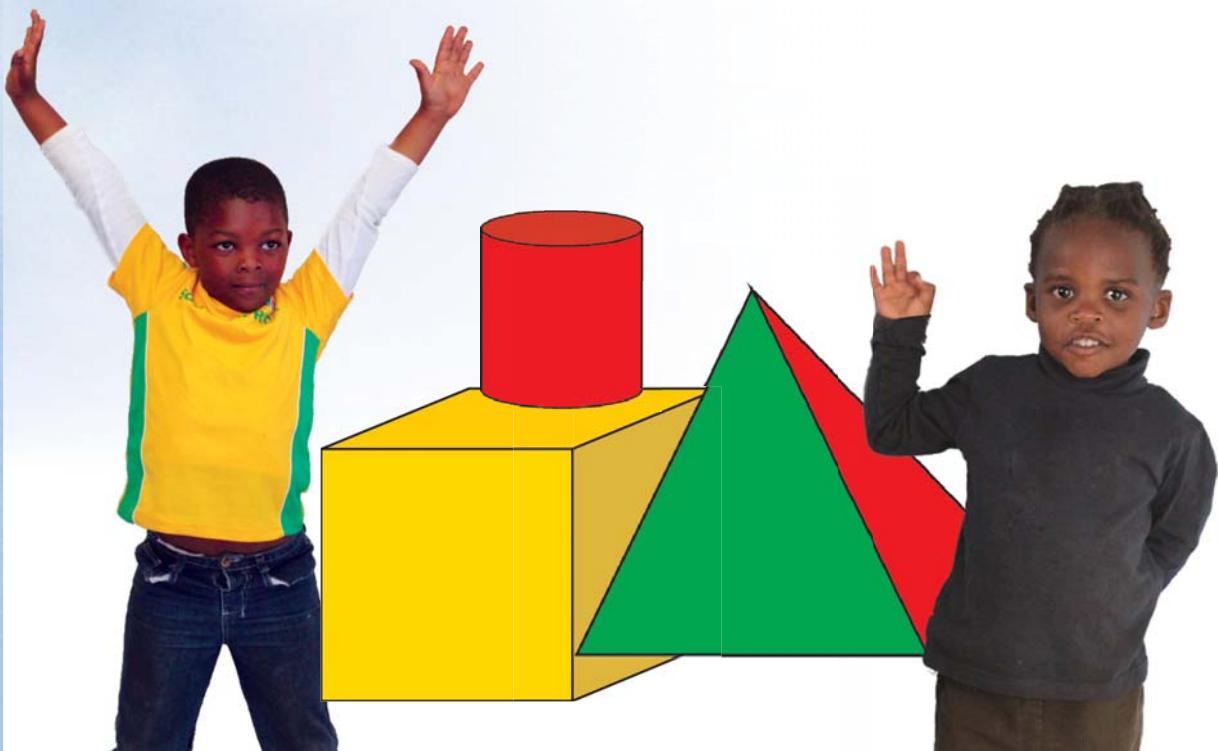


Giredi ya 2



HI XITSONGA

Buku leyi i ya:



XITSONGA

Buku ya

-

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 namuntlhia i _____.



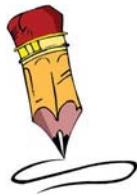
Dirowa xifaniso xa ndyangu wa ka n'wina.



Teacher:

Sign:

Date:



1 2 3 4 5 6 7 8 9

11 12 13 14 15 16 17 18 19 20

2

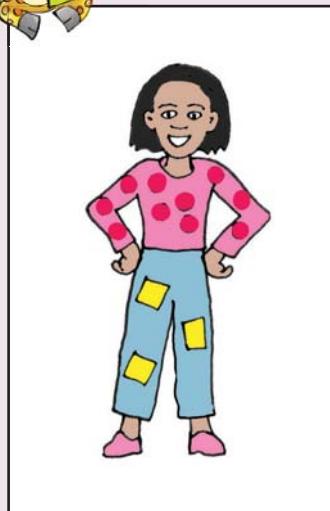
Kotara ya |

Siku:

Ku hlayela



Tata swivandla leswi nga riki na nchumu.

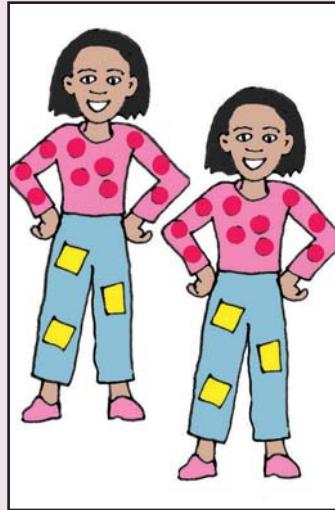
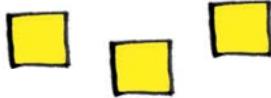
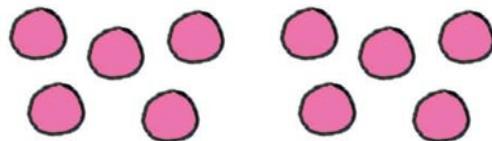


mahlo

mathonsi

mavala

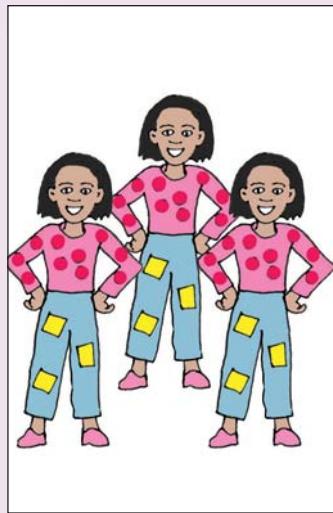
2



mahlo

mathonsi

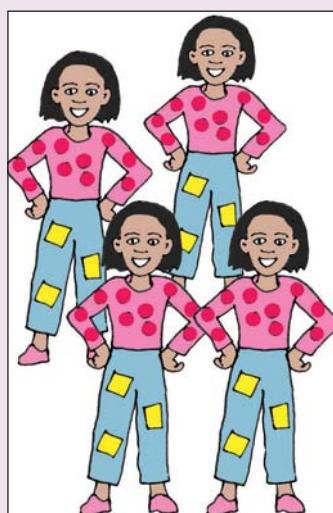
mavala



mahlo

mathonsi

mavala



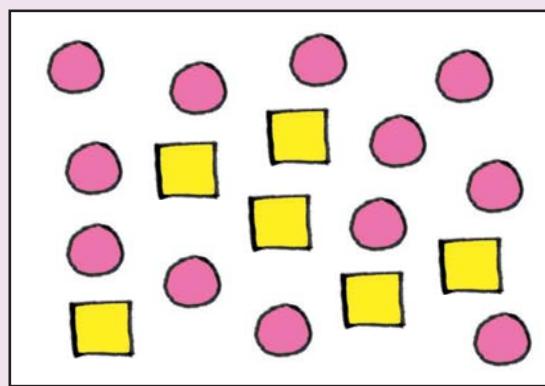
mahlo

mathonsi

mavala



Ava mathonsi na
mavala hi ku ringana.



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	=	<input type="text"/>

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

Sign:

Date:

3

Kotara ya |



Tinomboro

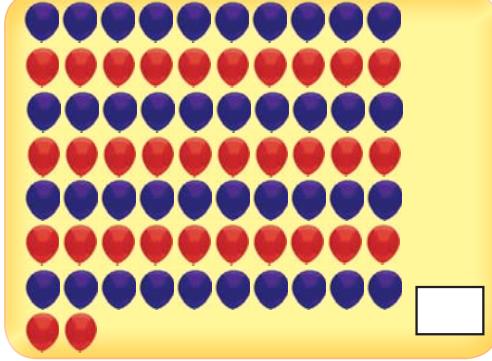
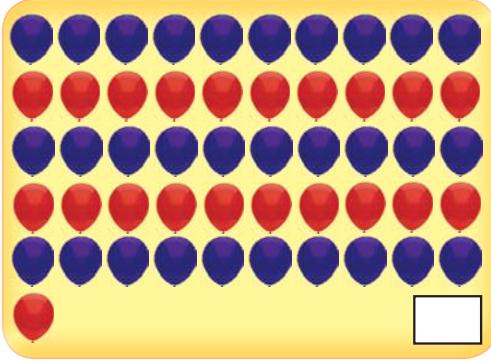
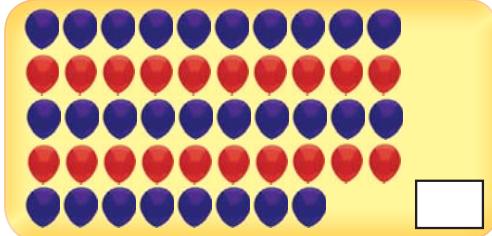
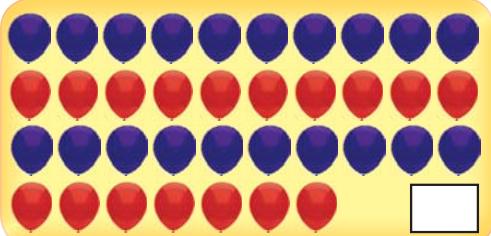
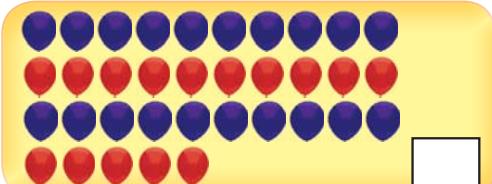
Hlaya misungho ya tinomboro na marito lama nga exitsalelwani.

	73	59
	66	35
42	97	
24	32	

kaye	khumen'we
khumemune	ntsevu
mune	khumenkombo
khumekaye	khume



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:

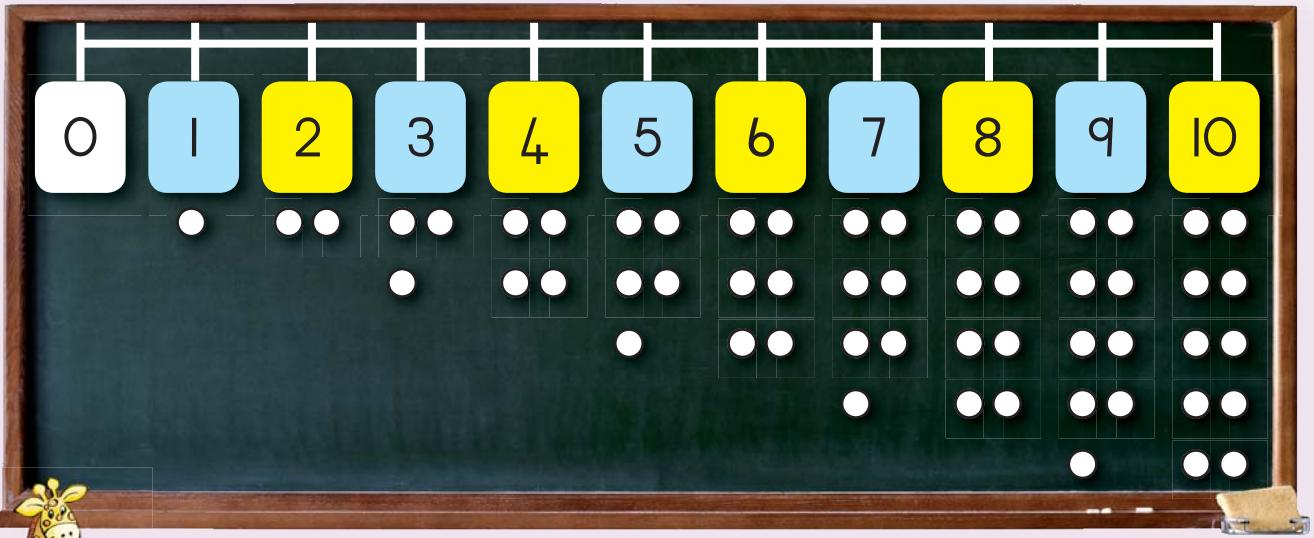
Sign:

Date:

4

Kotara ya |

Tinomboro tin'wana



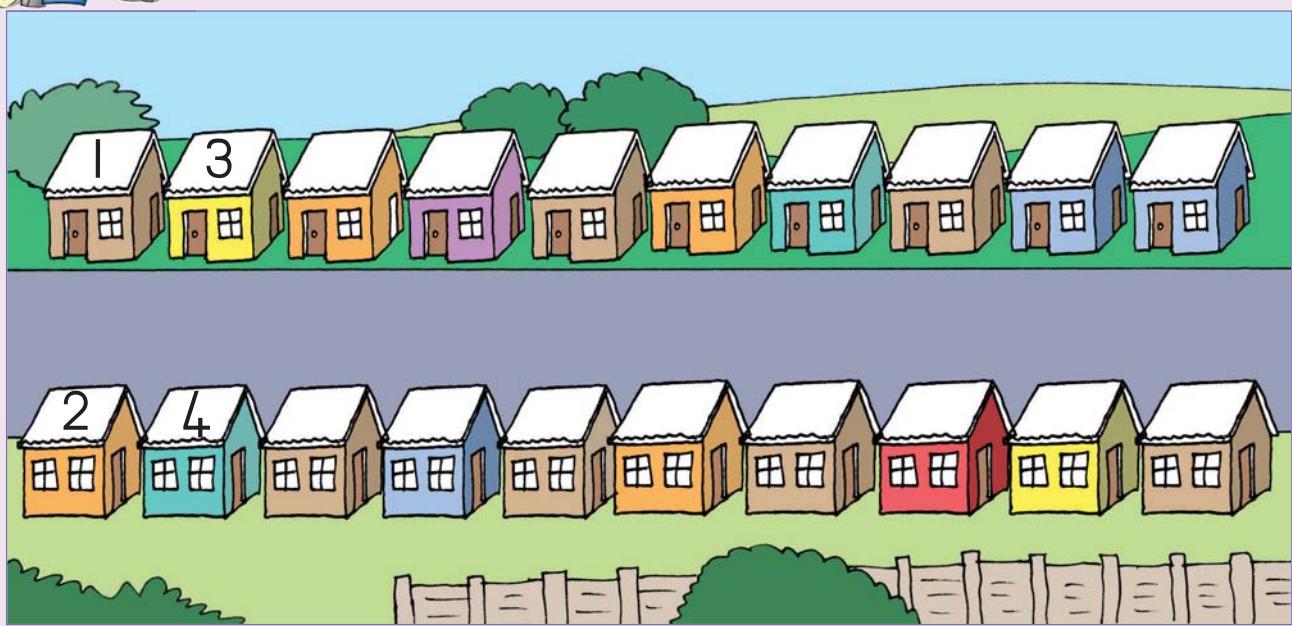
Dirowa \triangle eka tinhlayo-ndzingano na O eka tinhlayo-fadzenga.



I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20

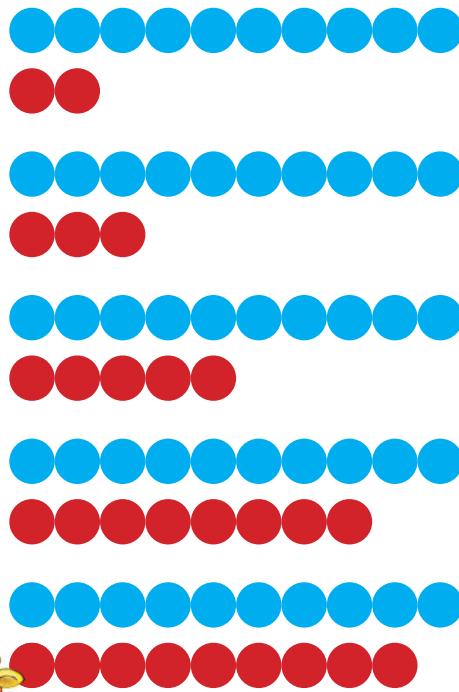


Nambara tindlu leti landzelaka.





Hlayela mihlovo
leyimbirhi ya vuhlalu.



Tsala ntsengo wa:

$$10 \quad 2 = \boxed{12}$$

$$10 \quad 3 = \boxed{}$$

$$10 \quad 5 = \boxed{}$$

$$10 \quad 8 = \boxed{}$$

$$10 \quad 9 = \boxed{}$$

Hi nga wu tsala tanihi:

$$10 + 2 = 12$$

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



Xana nhlamulo i yini?

$$10 + 1 = \boxed{}$$

$$10 + 8 = \boxed{}$$

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

$$10 + 9 = \boxed{}$$

$$10 + 2 = \boxed{}$$

$$10 + 4 = \boxed{}$$

$$10 + 6 = \boxed{}$$

$$10 + 3 = \boxed{}$$

$$10 + 7 = \boxed{}$$



13 5 7 9 11 13 15 17 19

2 4 6 8 10 12 14 16 18 20

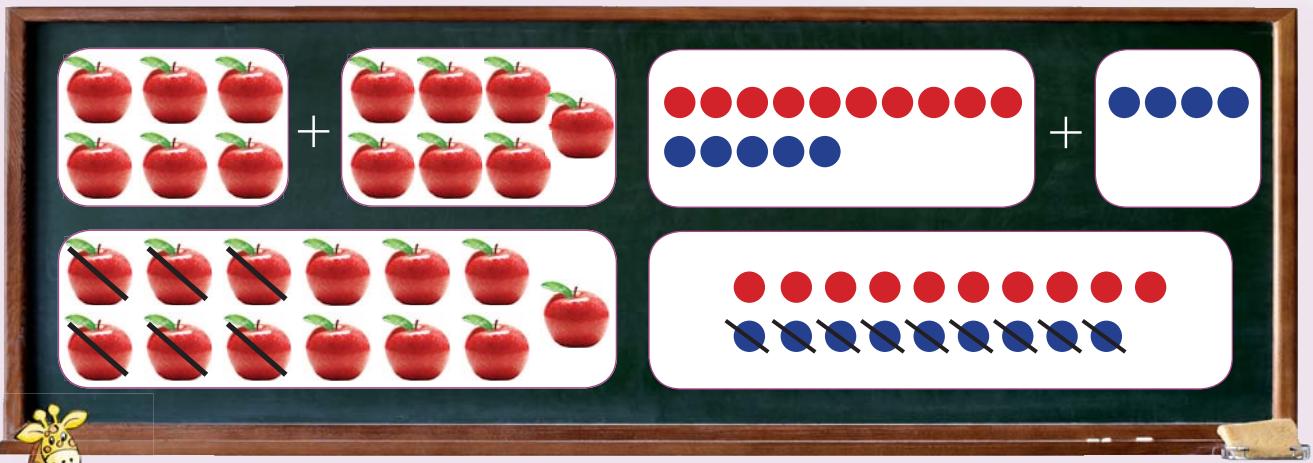


Teacher:

Sign:

Date:

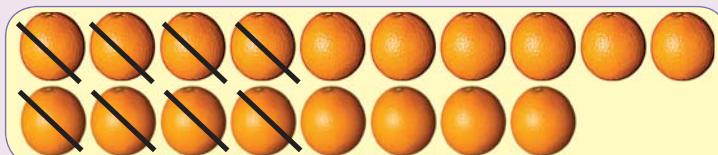
Ku hlanganisa na ku susa



Hlanganisa u tlhela u susa.



$$9 + 8 = \boxed{17}$$



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



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



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



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



Khakhuleta.

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

$$8 + 9 = \boxed{}$$

$$11 + 3 = \boxed{}$$

$$12 - 5 = \boxed{}$$

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

$$3 + 8 = \boxed{}$$

$$9 - 5 = \boxed{}$$

$$16 - 9 = \boxed{}$$

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

$$8 + 4 = \boxed{}$$

$$8 - 4 = \boxed{}$$

$$6 - 4 = \boxed{}$$



Hlanganisa.

$$\begin{array}{c} \text{Apples} \\ \hline \text{2} \end{array} + \begin{array}{c} \text{Apples} \\ \hline \text{2} \end{array} + \begin{array}{c} \text{Apples} \\ \hline \text{2} \end{array} + \begin{array}{c} \text{Apples} \\ \hline \text{2} \end{array} = \begin{array}{c} \text{Apples} \\ \hline \text{8} \end{array}$$

$$\begin{array}{c} \text{Pears} \\ \hline \end{array} + \begin{array}{c} \text{Pears} \\ \hline \end{array} + \begin{array}{c} \text{Pears} \\ \hline \end{array} = \begin{array}{c} \text{Pears} \\ \hline \end{array}$$

$$\begin{array}{c} \text{Strawberries} \\ \hline \end{array} + \begin{array}{c} \text{Strawberries} \\ \hline \end{array} + \begin{array}{c} \text{Strawberries} \\ \hline \end{array} + \begin{array}{c} \text{Strawberries} \\ \hline \end{array} = \begin{array}{c} \text{Strawberries} \\ \hline \end{array}$$

$$\begin{array}{c} \text{Pineapples} \\ \hline \end{array} + \begin{array}{c} \text{Pineapples} \\ \hline \end{array} = \begin{array}{c} \text{Pineapples} \\ \hline \end{array}$$

$$\begin{array}{c} \text{Oranges} \\ \hline \end{array} + \begin{array}{c} \text{Oranges} \\ \hline \end{array} = \begin{array}{c} \text{Oranges} \\ \hline \end{array}$$



Khakhuleta.

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

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

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

$4 + 4 = \boxed{}$

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

$4 + 4 + 4 + 4 = \boxed{}$

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

$5 + 5 = \boxed{}$

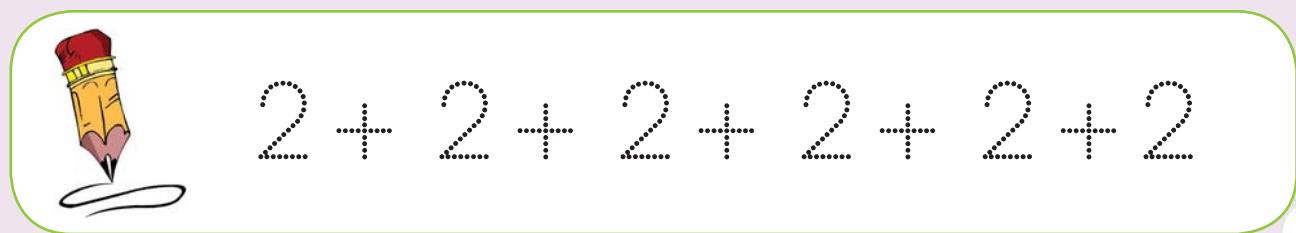
$1 + 1 + 1 = \boxed{}$



Teacher:

Sign:

Date:



6

Kotara ya |

Ku avelana na mali



Ava mihandzu leyi nga laha hansi.

	<input type="text"/> 4	<input type="text"/> 4	
	<input type="text"/> 	<input type="text"/> 	
	<input type="text"/> 	<input type="text"/> 	
	<input type="text"/> 	<input type="text"/> 	<input type="text"/>



Hetisa.



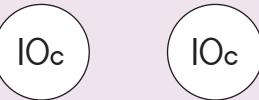
5 wa tisente



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



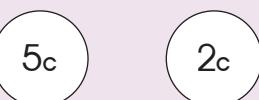
1c



2c



=



5c



2c



2c



1c



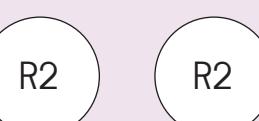
2c



2c



=



R2



R2



R1



R1



R1



R2



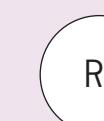
=



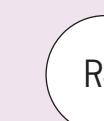
R5



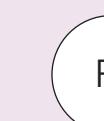
R2



R1



R5



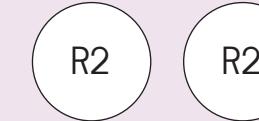
R1



R2



=



R2



R2



R5



R5



R2



R5



Teacher:

Sign:

Date:

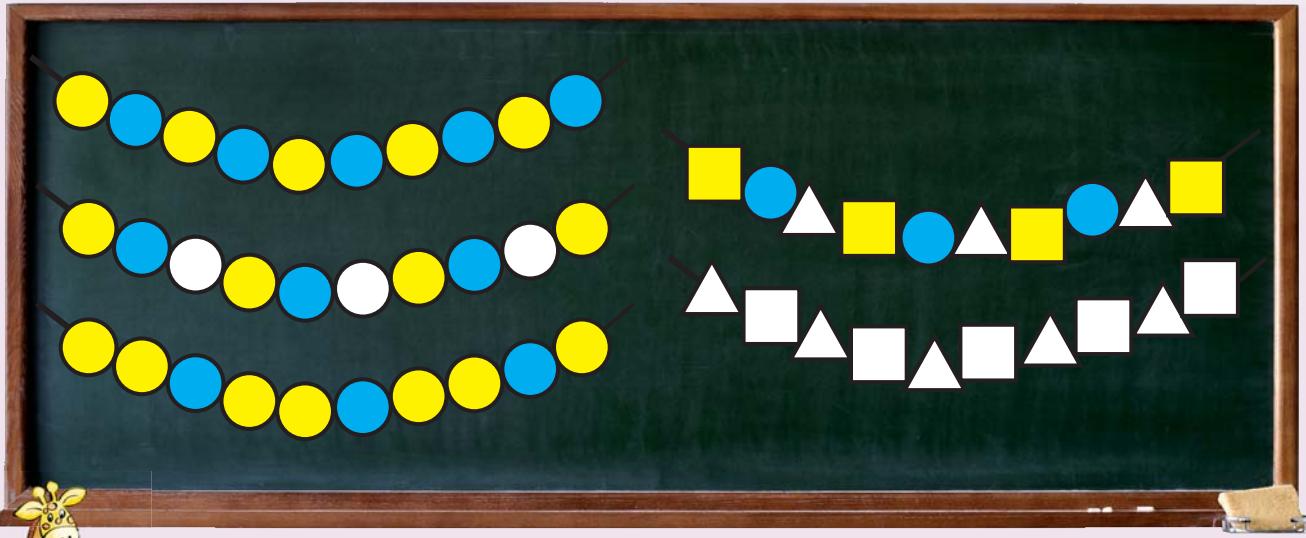


RI 1c R5 5c R10

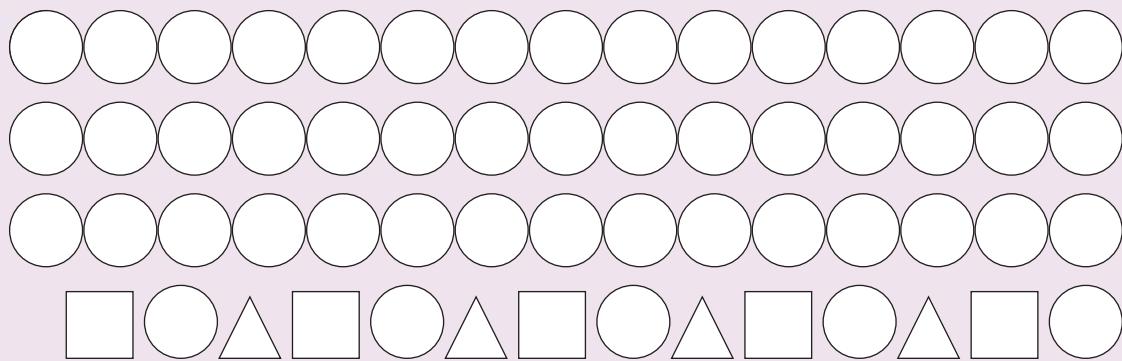
7

Kotara ya |

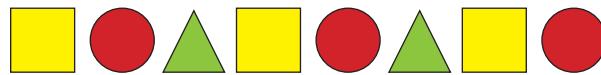
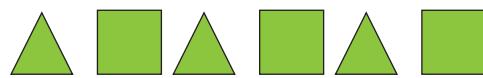
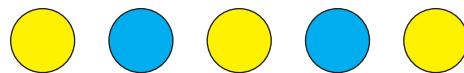
Tipatironi



Kopunula tipatironi leti nga exitsaleweni kutani u ti tsala eswivandleni leswi nga laha hansi.

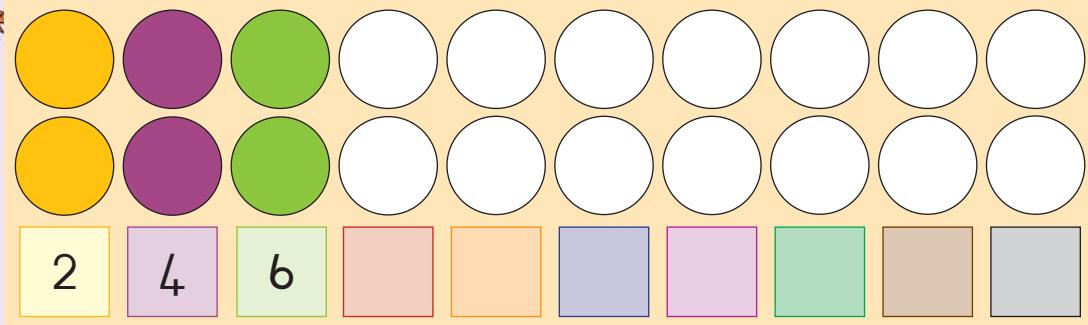


Engetela patironi.

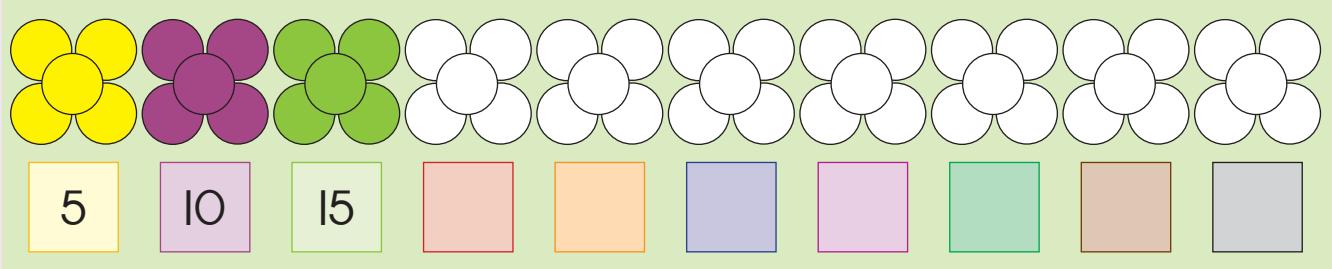




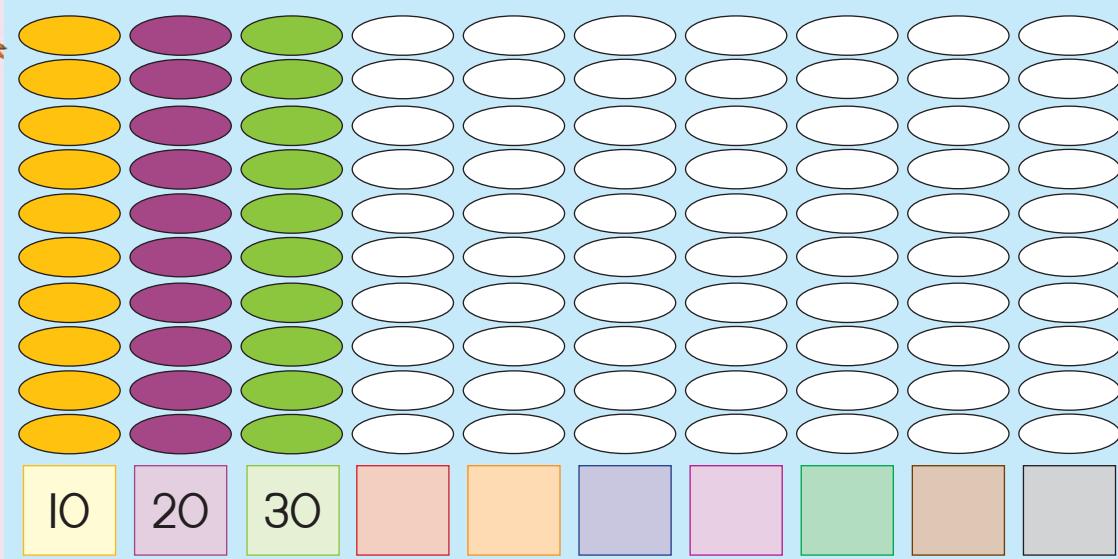
Khalara vuhlalu loko u ri karhi u hlayela hi vumbirhi.



Khalara swiluva loko u ri karhi u hlayela hi vuntlhanu.



Khalara vuhlalu loko u ri karhi u hlayela hi vukhume.



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

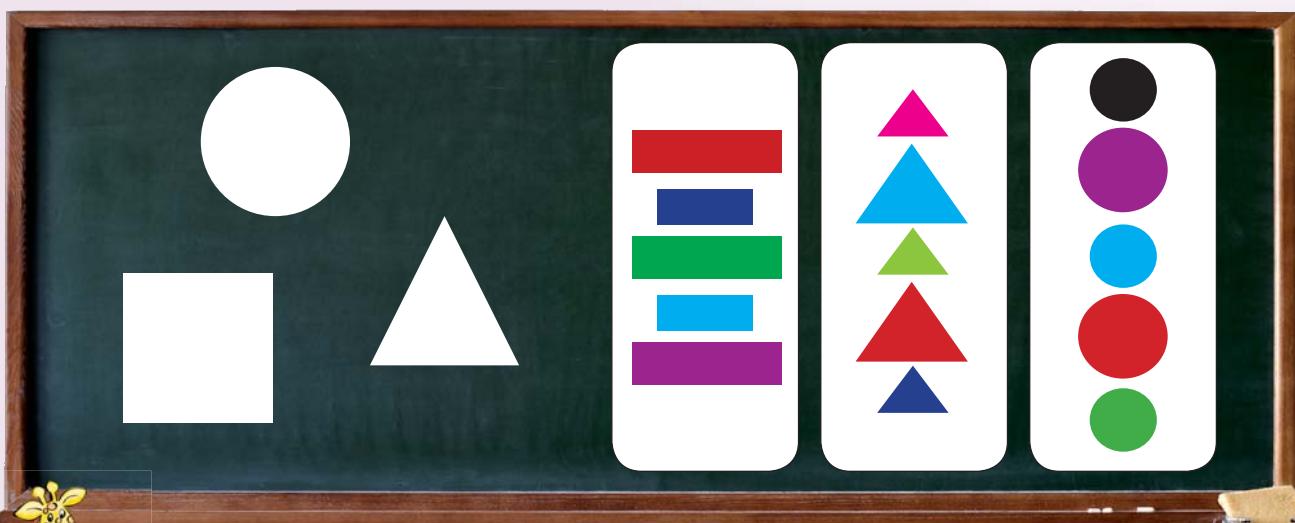


Teacher:

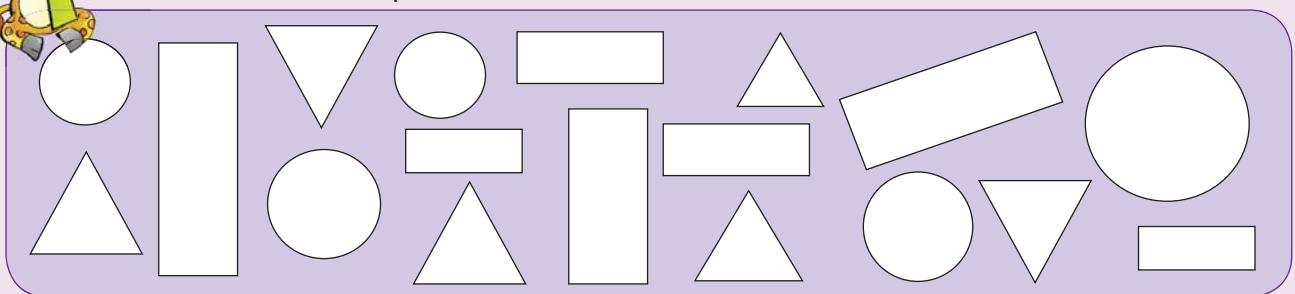
Sign:

Date:

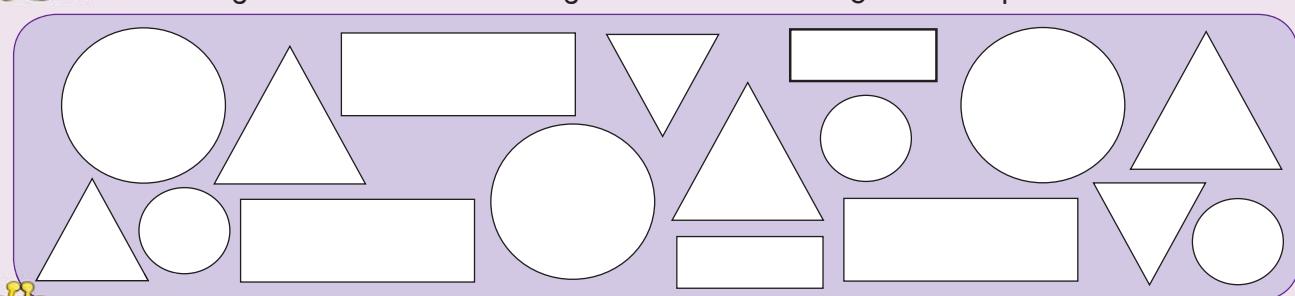
Swivumbeko



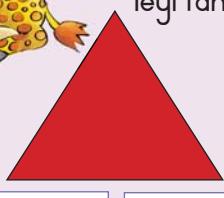
Khalara tiyinhlamune hi muhlowo wa wasi, swirhendzevutana hi wo tshwuka kasi tinhlanharhu hi xitshopana.



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



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



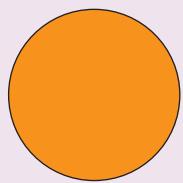
yo thwixi

xirhendzevutana



yo thwixi

xirhendzevutana

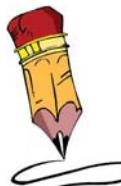
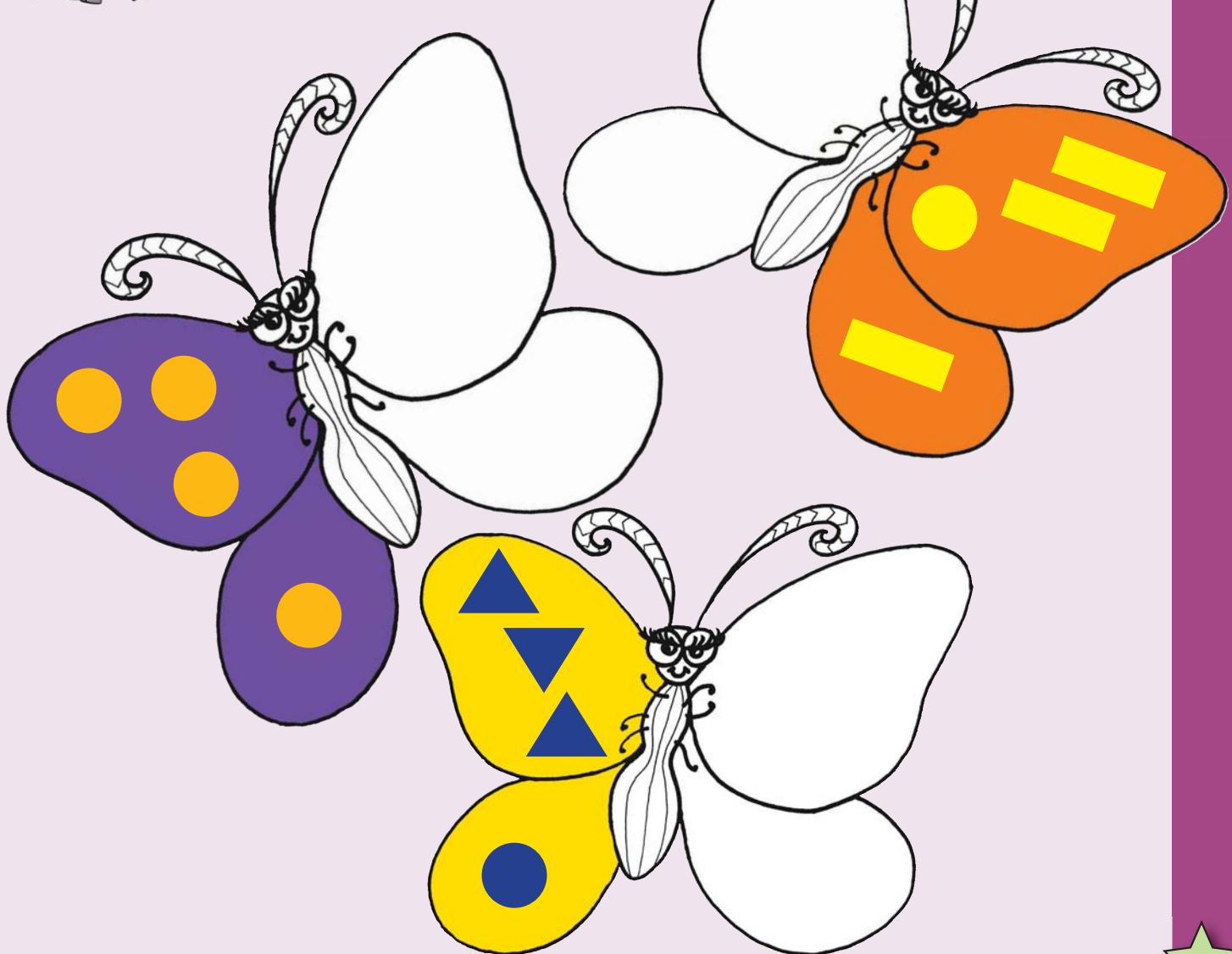


yo thwixi

xirhendzevutana



Dirowa timpapa letin'wana ta maphaphatana.



O O O O O O O O O O
A A A A A A A A A A



Teacher:

Sign:

Date:

Tibolo na mabokisi



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



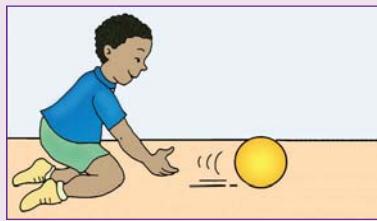
Khalara nhlamulo leyi faneleke.



Bokisi ra

rheta

khunguluka



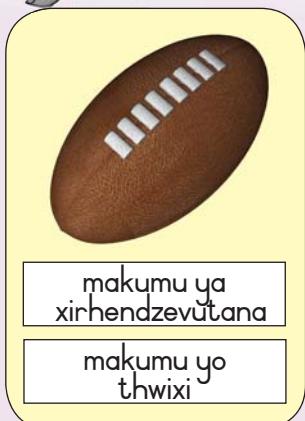
Bolo ya

rheta

khunguluka



Khalara nhlamulo leyi faneleke.



makumu ya
xirhendzevutana
makumu yo
thwixi



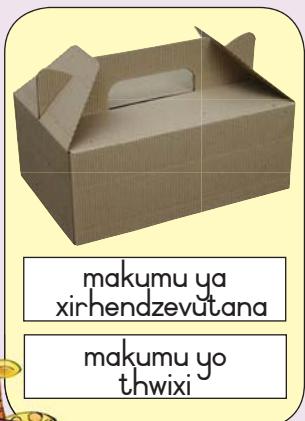
makumu ya
xirhendzevutana
makumu yo
thwixi



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:

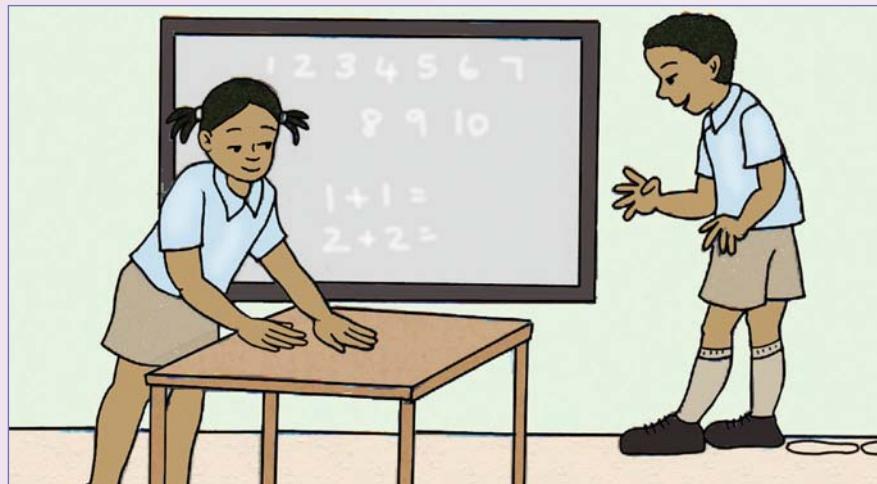
10

Kotara ya |

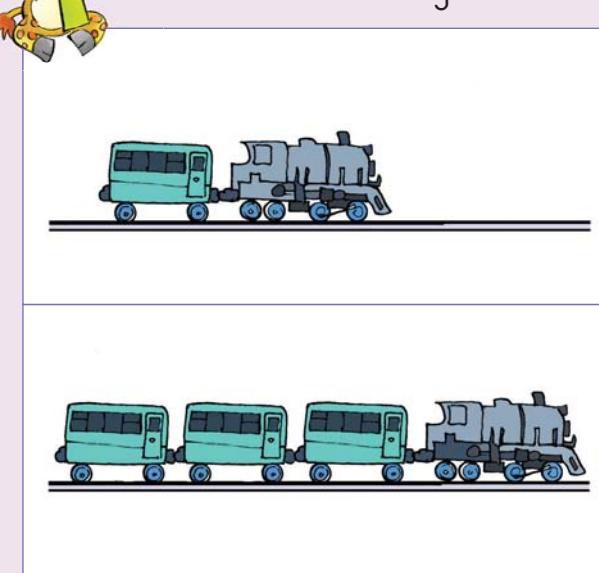


Ku leha

Xana va endla yini?



Xana i xitimela xihi lexi nga koma kumbe lexi nga leha?



koma

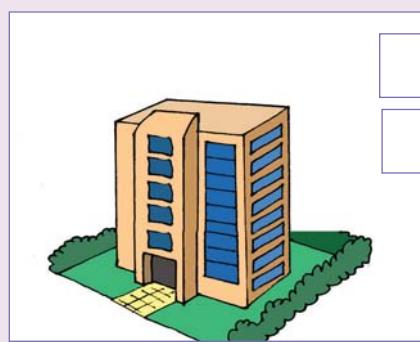
leha

koma

leha



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



leha

koma

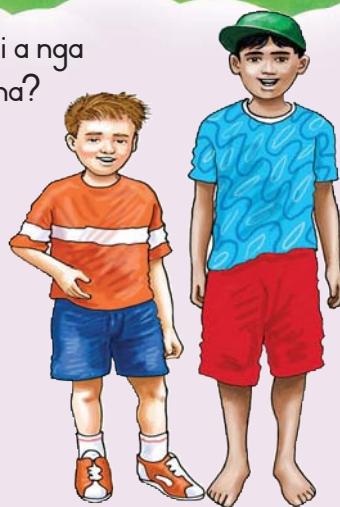


leha

koma



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



koma

leha

koma

leha



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



Sweswi pima vulehi bya rekthengula hi swandla na mikondzo.



Teacher:

Sign:

Date:



11

12

13

14

15

16

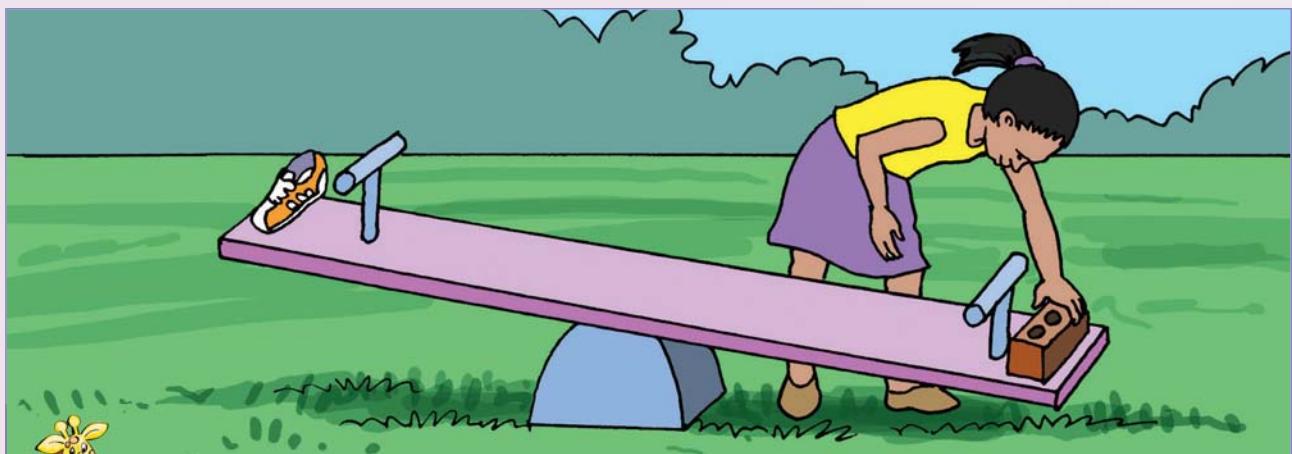
17

18

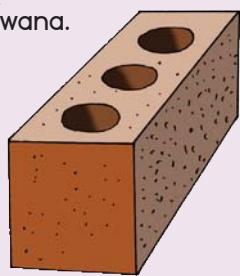
19

20

Ntiko



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



tika

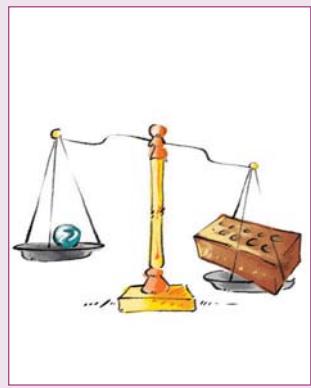
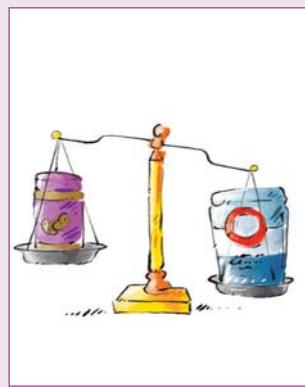
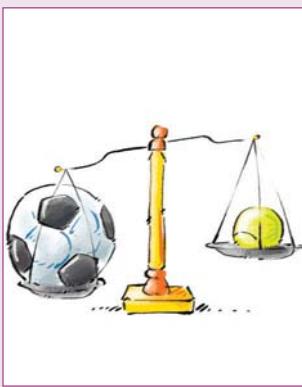
vevuka

tika

vevuka



Bana xirhendzevutana eka nchumu wo tika.





3

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



tika



tika



tika



tika



ku tika no vevuka



Teacher:

Sign:

Date:

Bulani hi xifaniso.

Vundzeni

Siku:



Khalara nhlamulo leyi faneleke.



xi tele

ku hava nchumu

hafu

xi tele

ku hava nchumu

hafu



xi tele

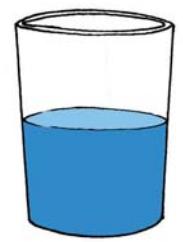
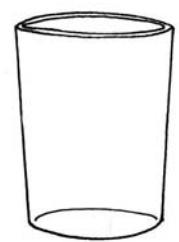
ku hava nchumu

hafu

xi tele

ku hava nchumu

hafu



xi tele

ku hava nchumu

hafu

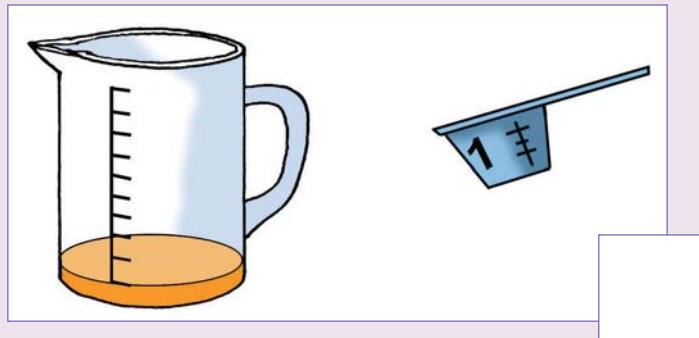
xi tele

ku hava nchumu

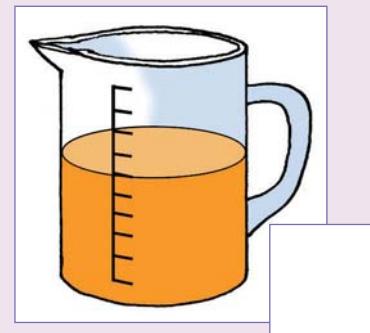
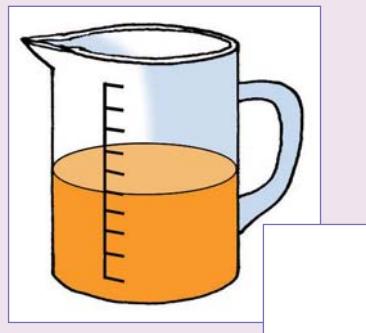
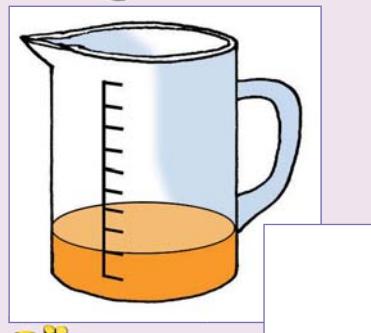
hafu



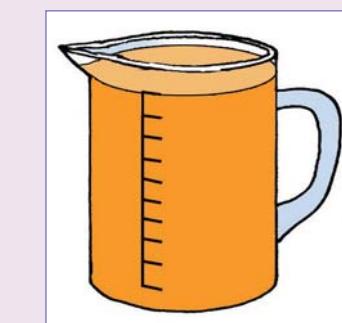
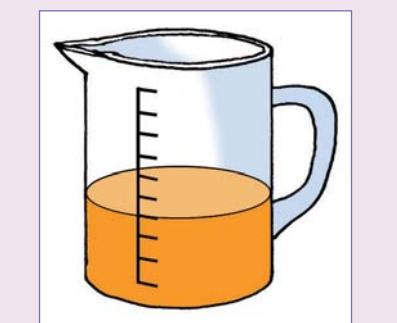
Mpimo wun'we wu tatisa eka xifungho xo sungula xa jeke.
Xana i mipimo yingani leyi nga tatisaka jeke leyi?



Xana i mipimo yingani leyi cheriweke eka tijeke leti?



Jeke leyi nga eximatsini yi tata hi l 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

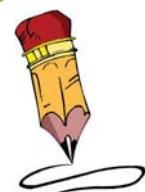
leyitsongo



Teacher:

Sign:

Date:

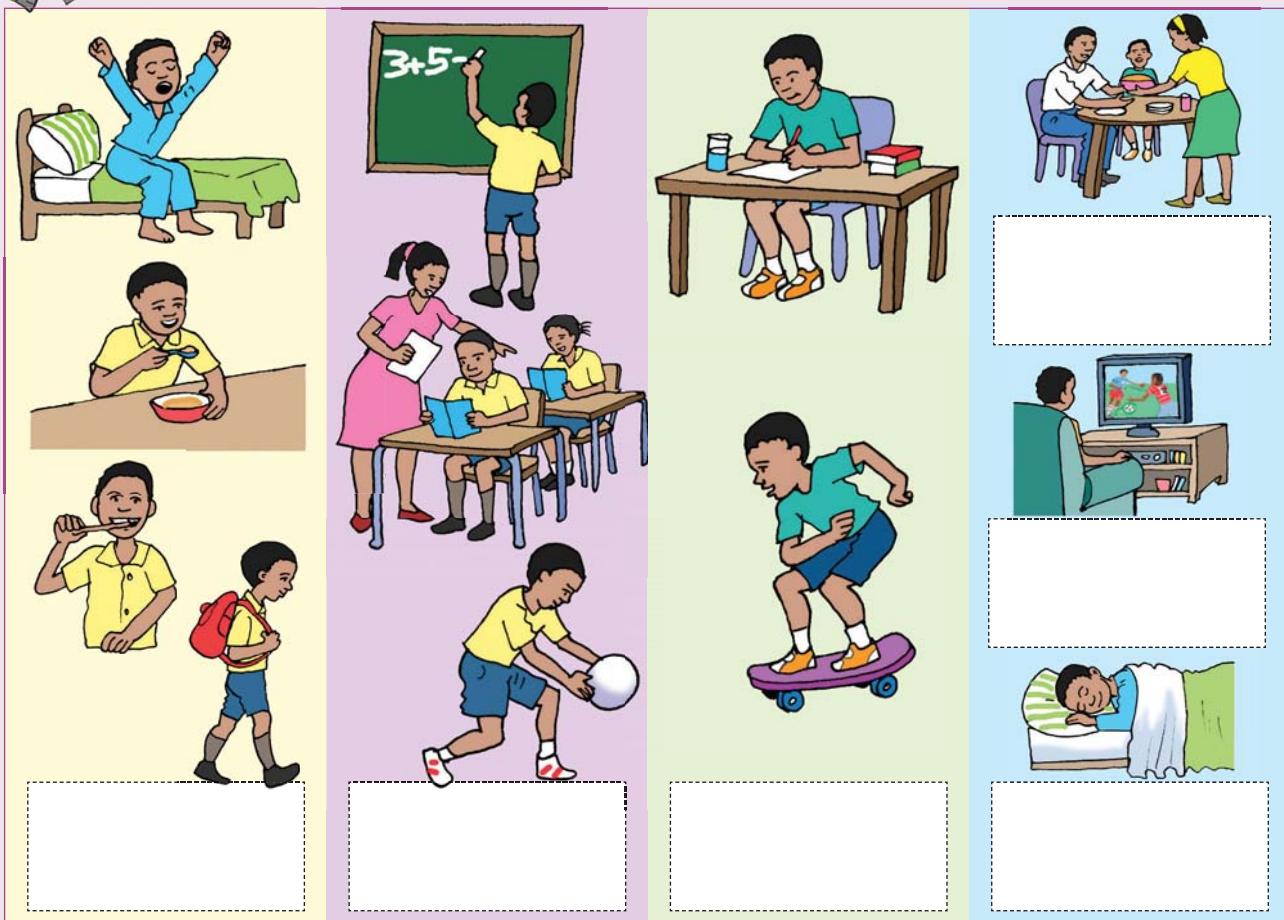


ku tala no va hava nchumu.



Nkarhi

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



Hetisa swivilwa.

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

T O L O T O L O T O L O T O L O



Teacher:

Sign:

Date:

14

Kotara ya |

Khalendara ya masiku ya ku velekiwa

14 Nyenyenyani



Landzelerisa tin'hweti.





Sunguti

Nyenyenyanī

Nyenyankulu

Dzivamisoko

Mudyaxihi

Khotavuxika

Mawuwani

Mhawuri

Ndzati

Nhlangula

Hukuri

N'wendzamhala



Siku ra mina ra
ku velekiwa rihi

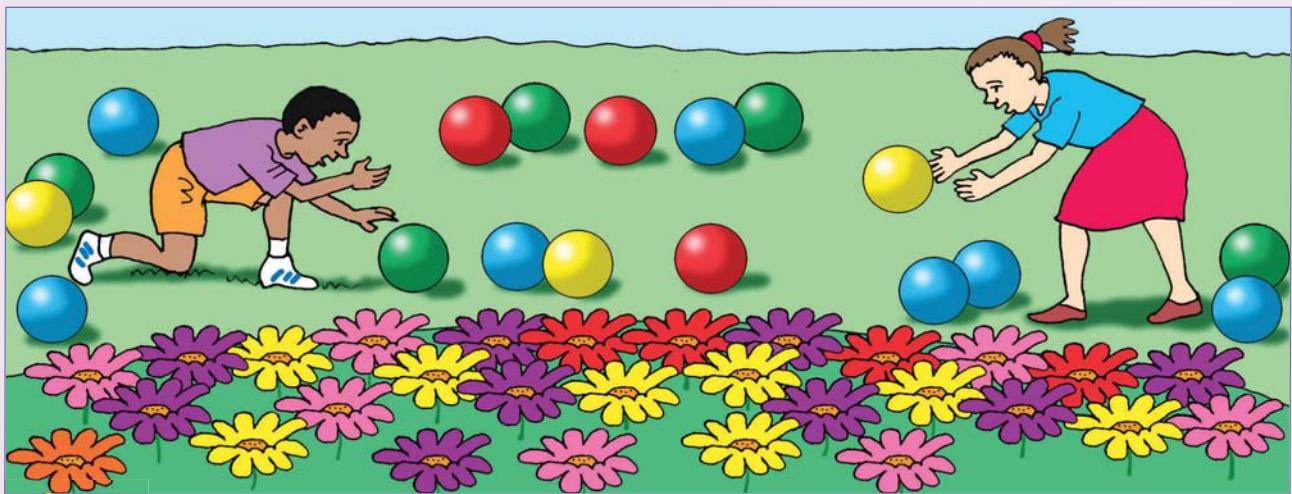


Teacher:

Sign:

Date:

Ku hlengeleta no hlawula



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

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



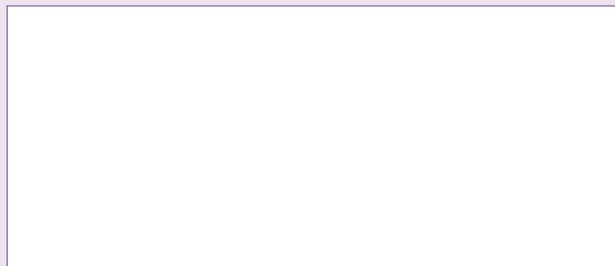
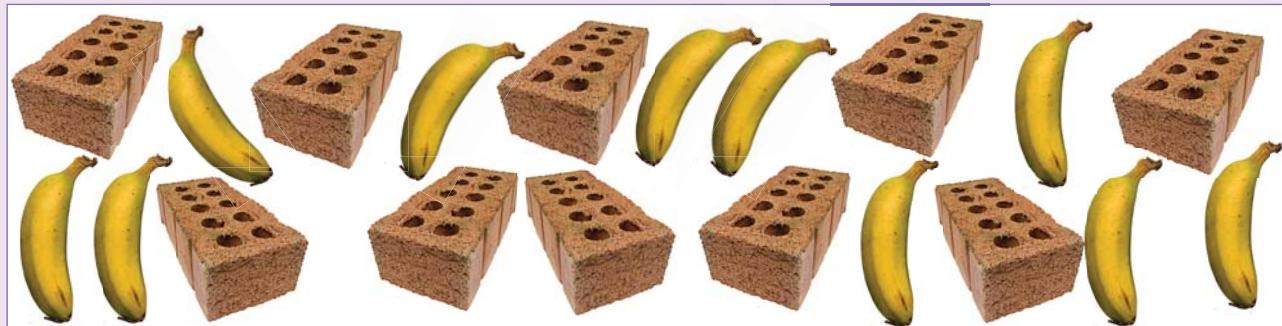
swiluva swa pinki



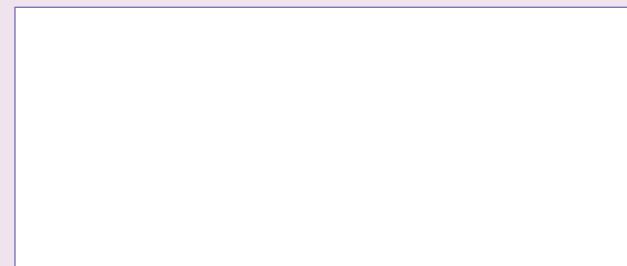
swiluva swa xilamula



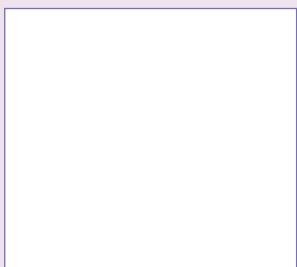
Hlawula swilo. Dirowa swifaniso swa wena.



swilo swo vevuka



swilo swo tika



tibolo letitsongo



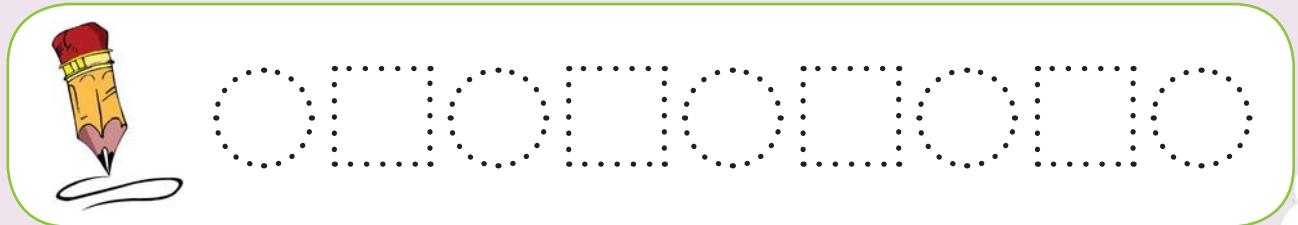
tibolo letikulu



mabokisi lamatsongo



mabokisi lamakulu



Teacher:

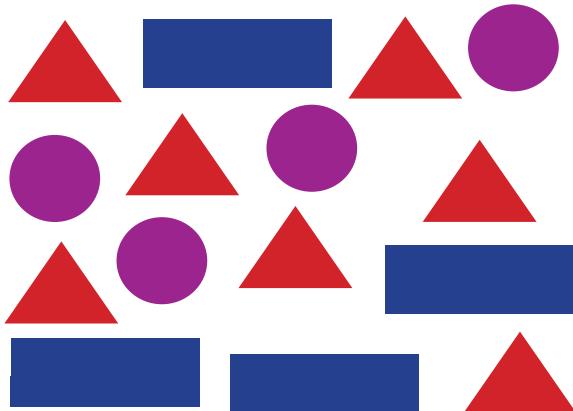
Sign:

Date:

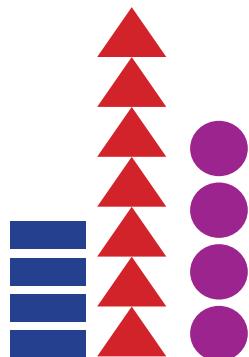
16

Kotara ya |

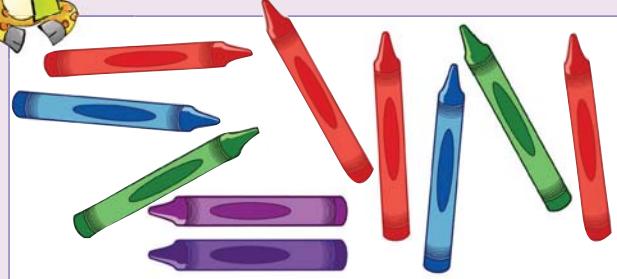
Ku hlaya no hlamusela



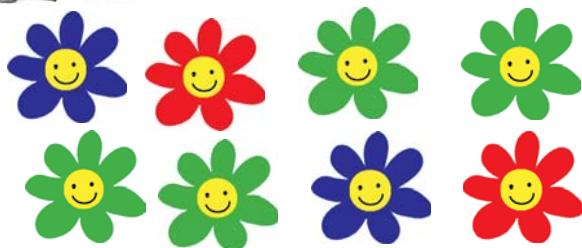
Xifaniso xa mina



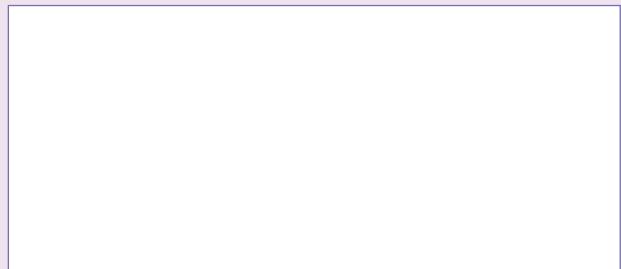
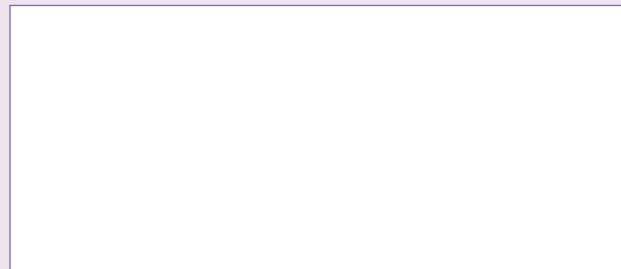
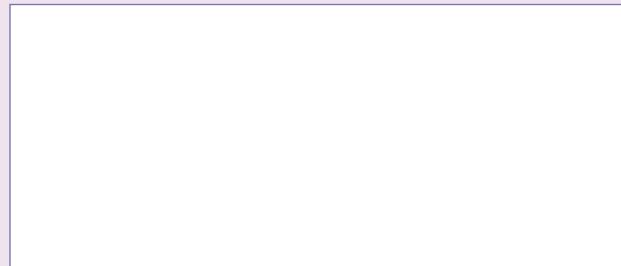
Hlawula tikhirayoni. Ti dirowe.



Hlawula swiluva. Swi dirowe.



Hlawula mapapa na mikwangulatilo. Swi dirowe.



Emahlweni, endzhaku na le xikarhi



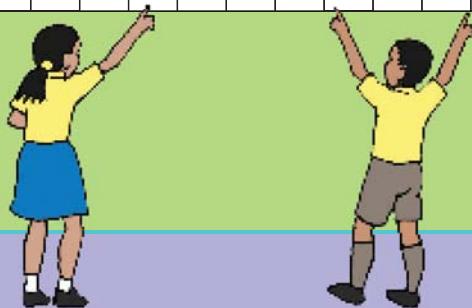
Hlamusela tinomboro hi ku tirhisa marito ya emahlweni ka, exikarhi ka na endzhaku ka.

Siku:

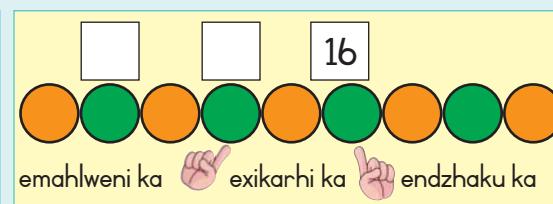
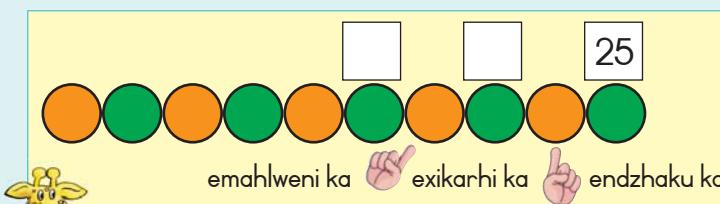
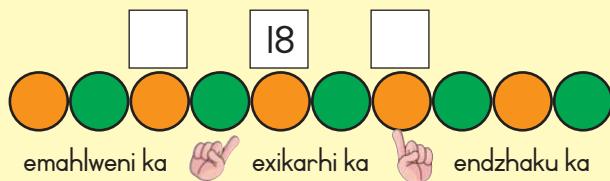
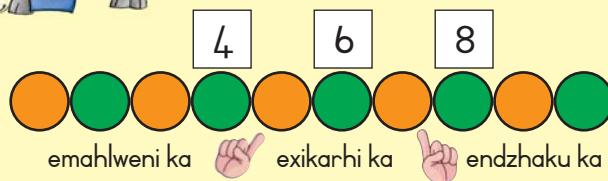
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Xikombiso: Bolo

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



Tsala tinomboro leti faneleke eswikwereni.



Tata tinomboro leti siyiweke.

	2			5	
	12			15	
13			16		

10			13	
	17			20
20				25



Xana i nomboro yihi leyi nga emahlweni ka **8**? _____

Xana i nomboro yihi leyi nga endzhaku ka **16**? _____

Xana i tinomboro tiki 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:



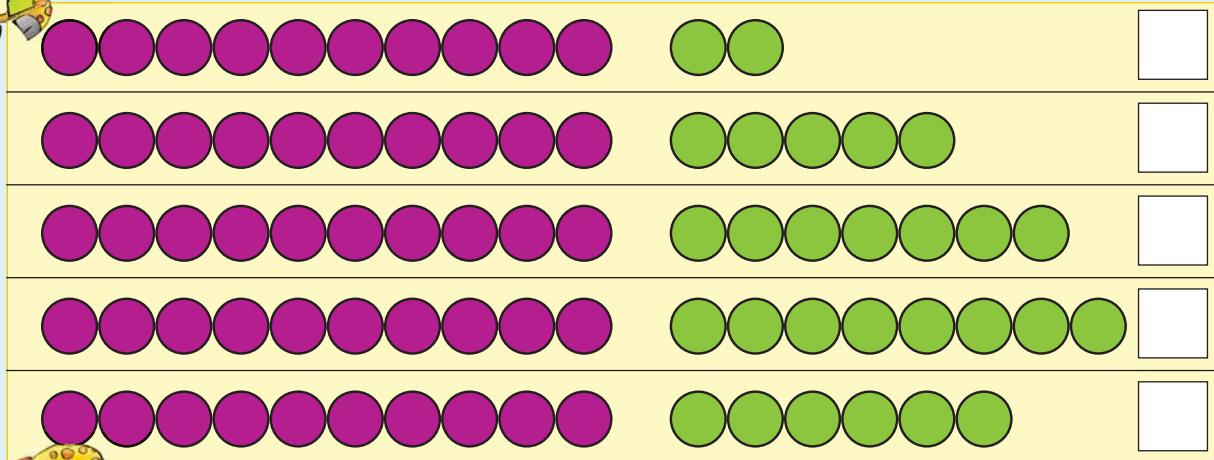
Siku:

Tinomboro ta I – 30

Xana ku na tibuku tingani?
Xana ku na mabodhlela ya pende mangani?



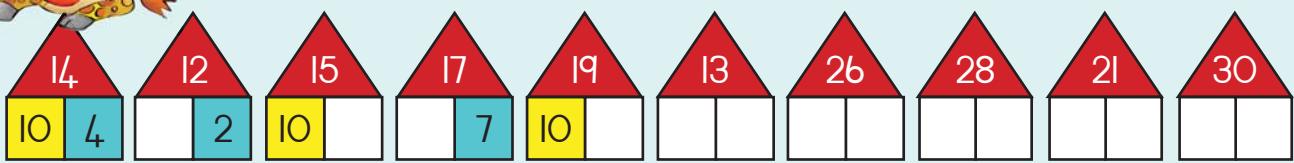
Xana ku na vuhlalu byingani?



Xana ku na tibuku tingani?



Tata tinomboro leti siyiweke.



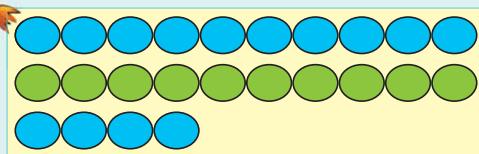


Languta xikombiso xo sungula kutani u hetisa leswi landzelaka.

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



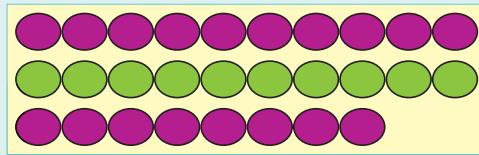
Xana ku na vuhlalu byingani?



Nhlayo

Hi nga swi tsala tanihi

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



Nhlayo

Hi nga swi tsala tanihi

$$20 + \boxed{ } = 28$$



Tsala hi marito.

- 10 _____
12 _____
14 _____
16 _____
18 _____
20 _____
22 _____
24 _____

- 11 _____
13 _____
15 _____
17 _____
19 _____
21 _____
23 _____
25 _____



Languta xikombiso xo sungula kutani u hetisa leswi landzelaka.

25	=	2	vukhume	+	5	vun'we
13	=		vukhume	+		vun'we
26	=		vukhume	+		vun'we

22	=	2	vukhume	+	2	vun'we
21	=		vukhume	+		vun'we
19	=		vukhume	+		vun'we



Teacher:

Sign:

Date:

|q

Kotara ya |

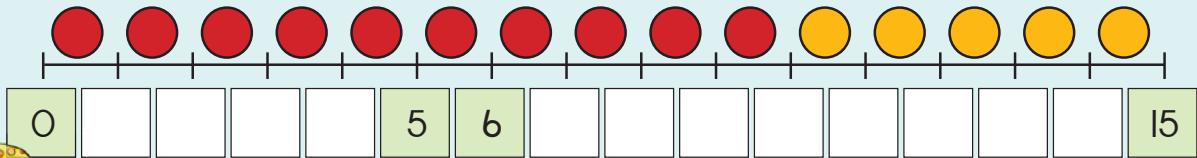
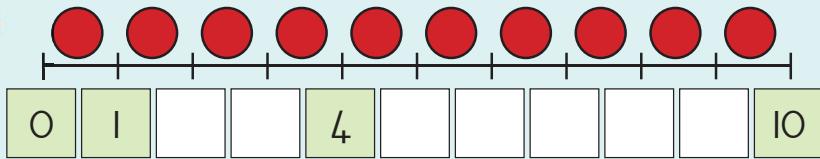


Siku:

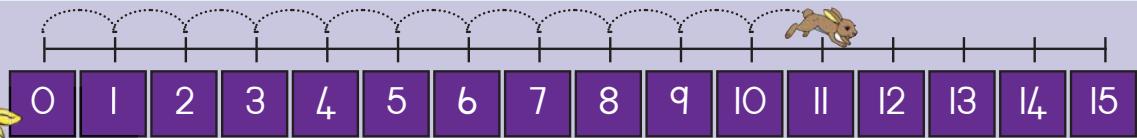
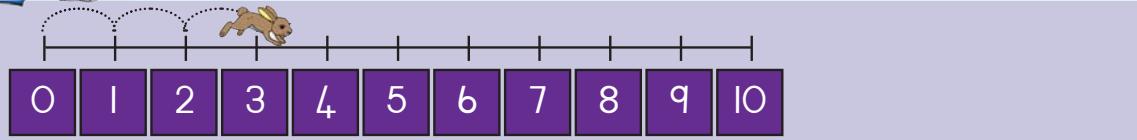
Mindzhati ya mitsengo



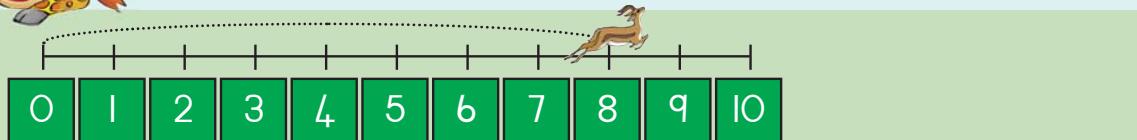
Tsala tinomboro leti siyiweke.



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

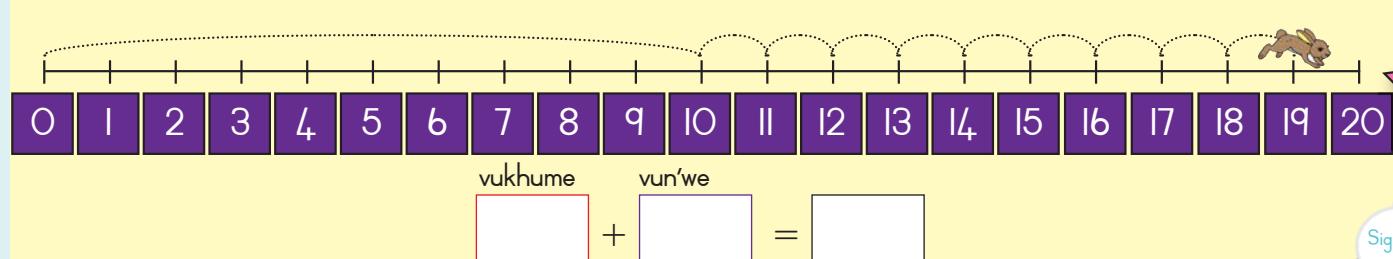
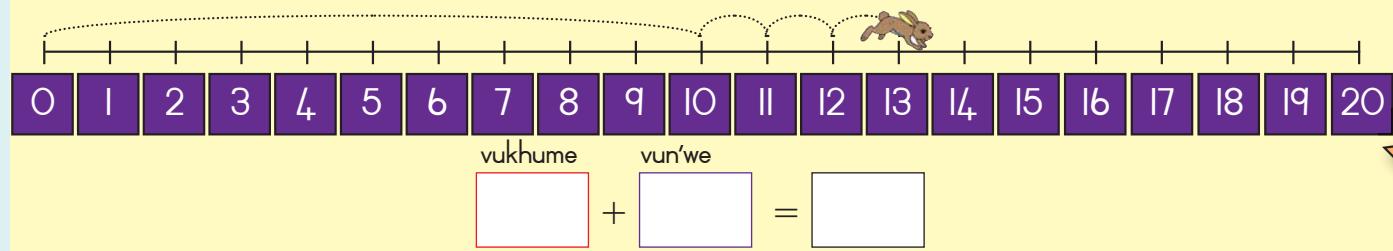
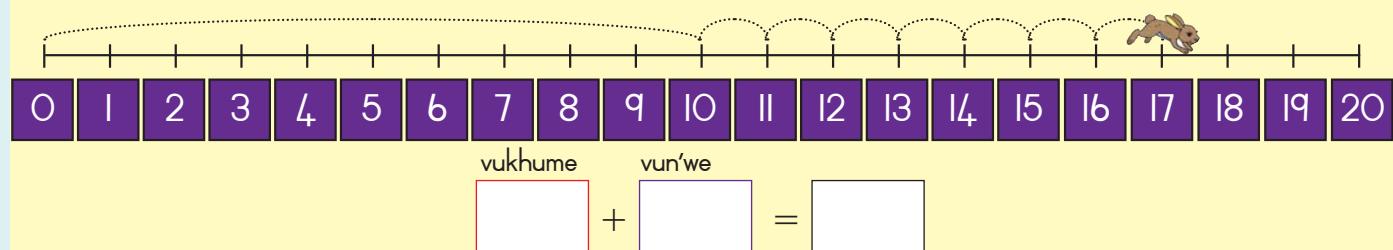
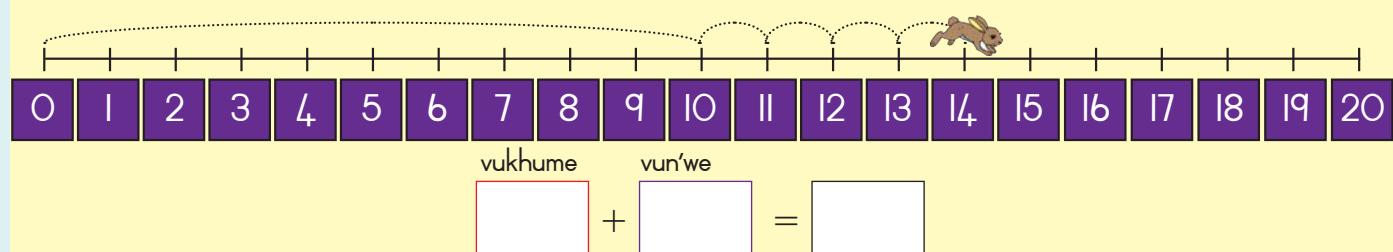
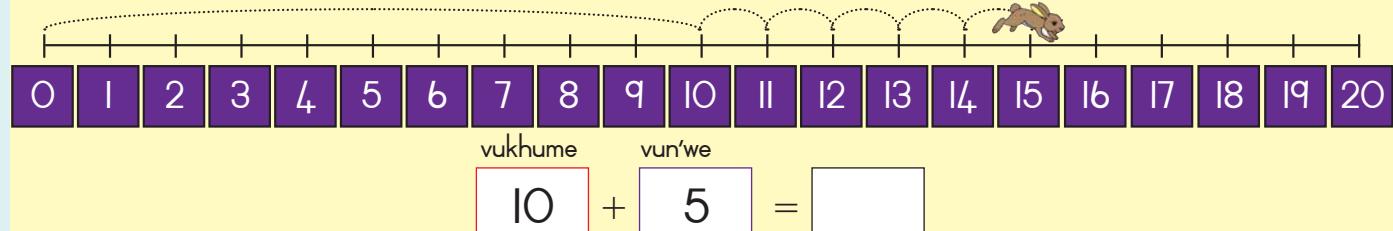


Xana mhala yi tlule ku fika kwihi? Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.





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



Teacher:

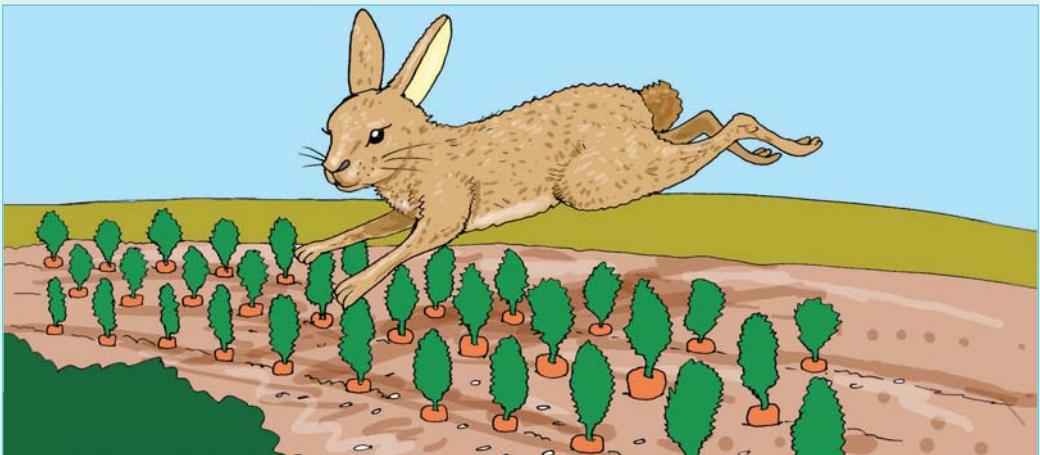
Sign:

Date:

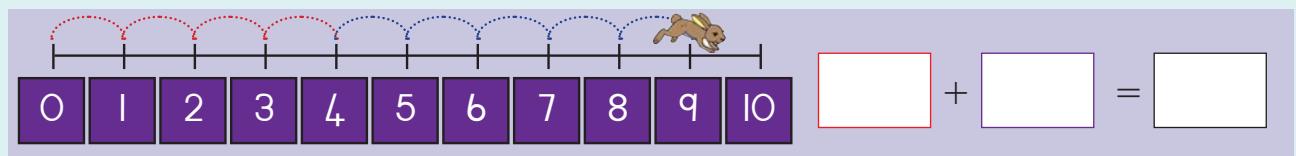
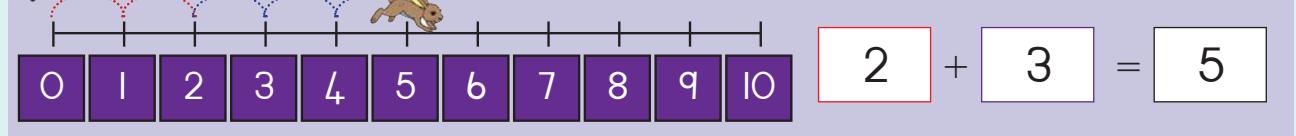


Siku:

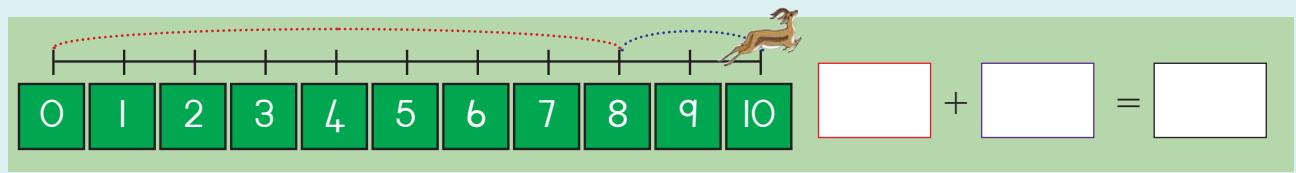
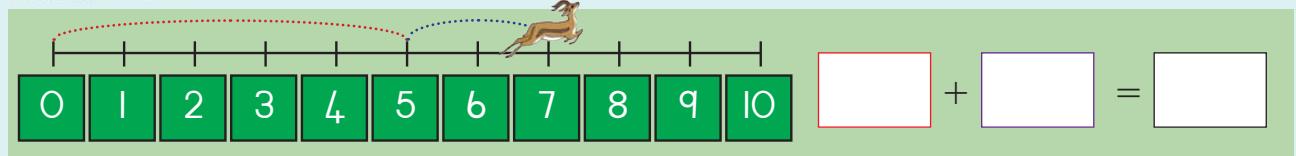
Mindzhati ya mitsengo yin'wana



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

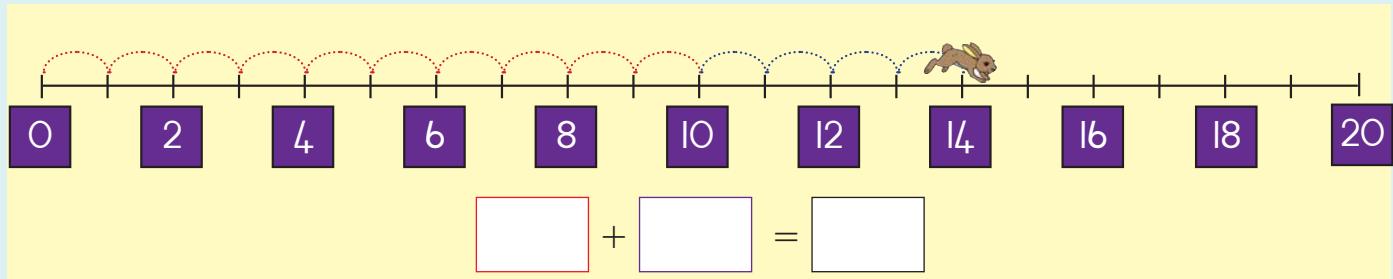
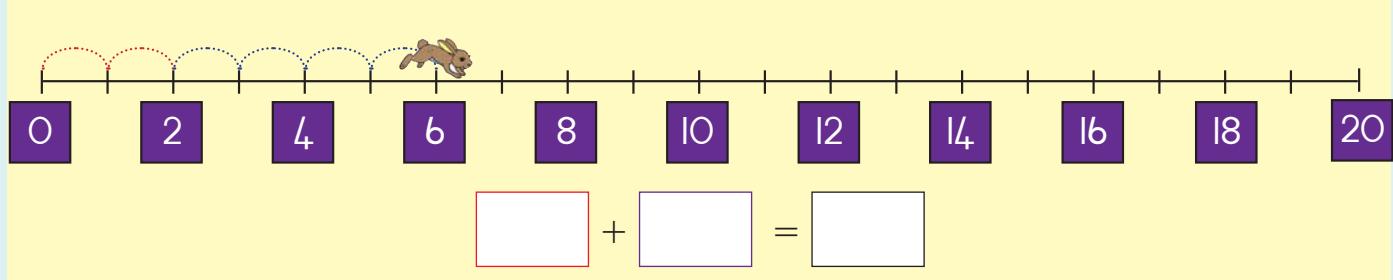


Pfuna mhala ku tsala nhlayo.
Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.

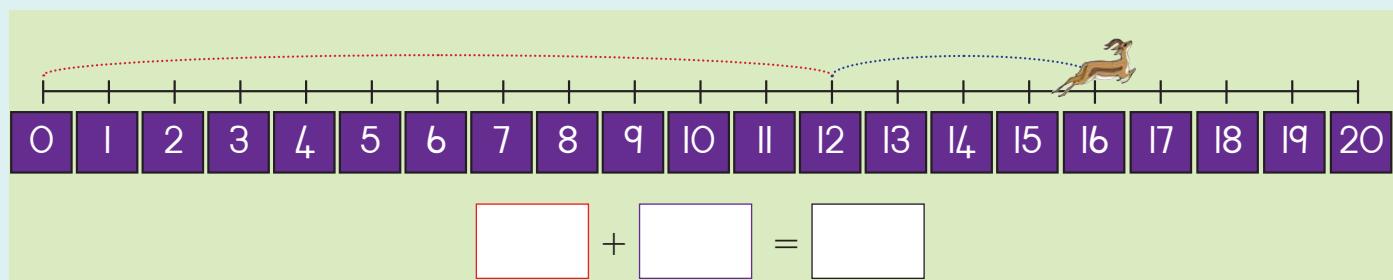
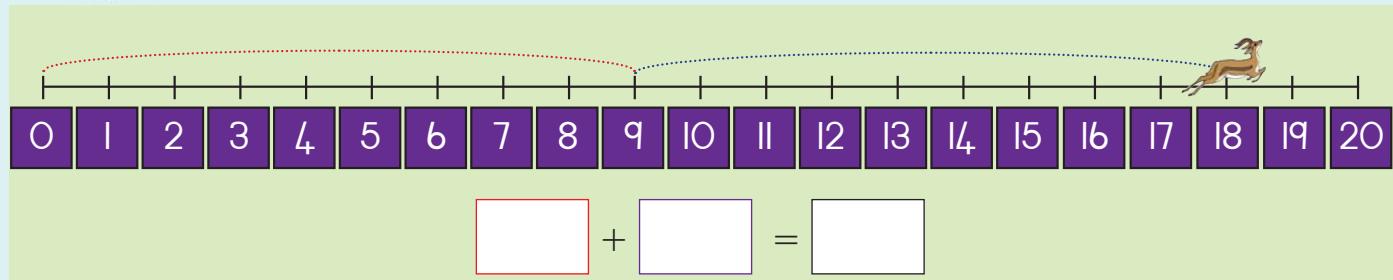




Pfuna mpfundla ku tsala nhlayo.



Pfuna mhala ku tsala nhlayo.



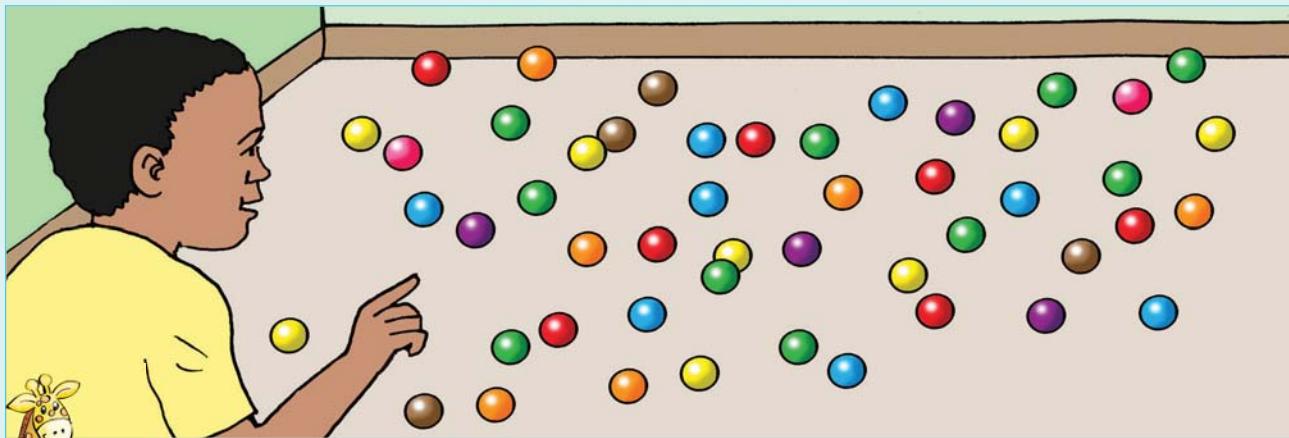
Teacher:

Sign:

Date:



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?



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

tshwuka	+	
xitshopana	+	

rihlaza	=	
pinki	=	

xilamula	+	
xivunguvungu	+	

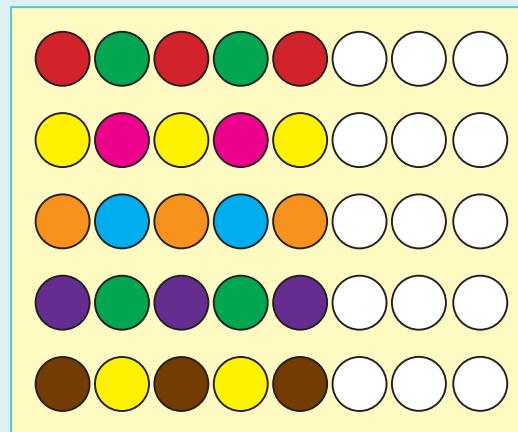
wasi	=	
rihlaza	=	

ribungu	+	
xitshopana	+	

xitshopana	=	
	=	



Hetisa patironi.





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

$$\begin{array}{c} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \\ 8 \end{array} + \begin{array}{c} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \\ 7 \end{array} = \boxed{15}$$

$$\begin{array}{c} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \\ 8 \end{array} + \begin{array}{c} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \\ 2 \end{array} + \begin{array}{c} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \\ 5 \end{array} = \boxed{}$$

$$\begin{array}{c} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \\ 9 \end{array} + \begin{array}{c} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \\ 6 \end{array} = \boxed{}$$

$$\begin{array}{c} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \textcolor{red}{\bullet} \\ 9 \end{array} + \begin{array}{c} \textcolor{blue}{\bullet} \\ \boxed{} \end{array} + \begin{array}{c} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \\ \boxed{} \end{array} = \boxed{}$$



Pananisa xifaniso na ntsengo lowu faneleke kutani u tata nhlamulo.

	$7 - 5 = \boxed{}$
	$9 - 4 = \boxed{}$
	$8 - 3 = \boxed{}$
	$5 - 4 = \boxed{}$
	$6 - 2 = \boxed{}$



Tsala ntsengo wa:

$$\begin{array}{c} \textcolor{yellow}{\bullet} \textcolor{yellow}{\bullet} \textcolor{yellow}{\bullet} \textcolor{yellow}{\bullet} \textcolor{yellow}{\bullet} \textcolor{yellow}{\bullet} \textcolor{yellow}{\bullet} \\ \boxed{q} \end{array} - \begin{array}{c} \textcolor{white}{\bullet} \textcolor{white}{\bullet} \\ \boxed{6} \end{array} = \boxed{3}$$

$$\begin{array}{c} \textcolor{magenta}{\bullet} \textcolor{magenta}{\bullet} \textcolor{magenta}{\bullet} \textcolor{magenta}{\bullet} \textcolor{magenta}{\bullet} \textcolor{magenta}{\bullet} \\ \boxed{} \end{array} - \begin{array}{c} \textcolor{white}{\bullet} \textcolor{white}{\bullet} \\ \boxed{} \end{array} = \boxed{}$$

$$\begin{array}{c} \textcolor{green}{\bullet} \textcolor{green}{\bullet} \textcolor{green}{\bullet} \textcolor{green}{\bullet} \textcolor{green}{\bullet} \textcolor{green}{\bullet} \textcolor{green}{\bullet} \\ \boxed{} \end{array} - \begin{array}{c} \textcolor{white}{\bullet} \textcolor{white}{\bullet} \\ \boxed{} \end{array} = \boxed{}$$

$$\begin{array}{c} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \textcolor{blue}{\bullet} \\ \boxed{} \end{array} - \begin{array}{c} \textcolor{white}{\bullet} \textcolor{white}{\bullet} \\ \boxed{} \end{array} = \boxed{}$$



Teacher:

Sign:

Date:

Masiku, mavhiki na tin'hweti



Siku:

Musumbhunuku	Sunguti	Nyenyenyan	Nyenankulu
Ravumbirhi	Dzivamisoko	Mudyaxihi	Khotavuxika
Ravunharhu	Mawuwani	Mhawuri	Ndzati
Ravumune	Nhlangula	Hukuri	N'wendzamhala
Ravuntlhanu			
Mugqivela			
Sonto			



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? _____

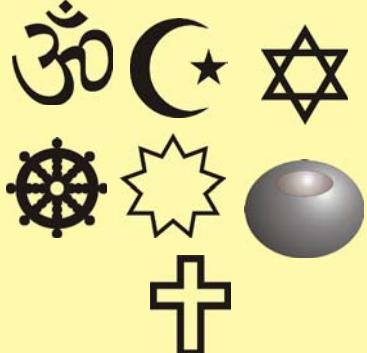
Xana i tin'hweti tihi ti taka exikarhi ka Sunguti na Khotavuxika?

Xana n'hweti yo sungula ya lembe hi yihi? _____

Xana n'hweti yo hetelela ya lembe hi yihi? _____



Vukhongeri
eAfrika-Dzonga



Swiendleko swa matimu

Siku ra Timfanelo ta

Ximunhu

Siku ra Ntshunxeko

Siku ra Vatirhi

Siku ra Vantshwa

Siku ra Rixaka ra

Vavasati

Siku ra Ndzhaka

Siku ra Mbuyelelano

Siku ra mina ra ku
velekiwa



Xitsemiwa xa 2: Tirhiswa switsemiwa kutani u namaketa tiholideyi tinharhu ta swa vukhongeri na tiholideyi ta mani na mani ta Afrika-Dzonga eka tin'hweti ta khalendara.

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



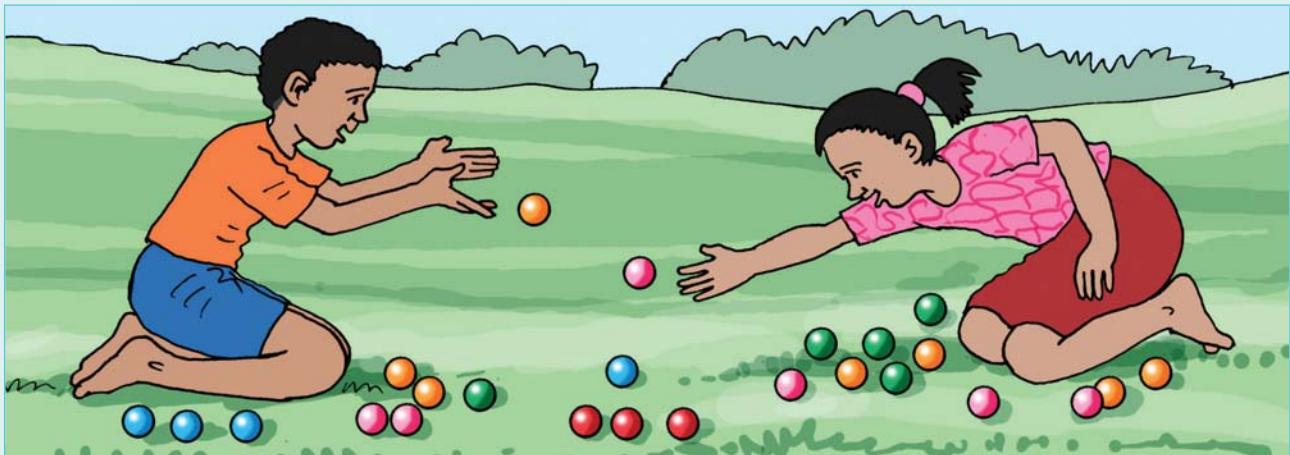
Teacher:
Sign:
Date:

23a

Kotara ya |



Ku hlanganisa



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

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

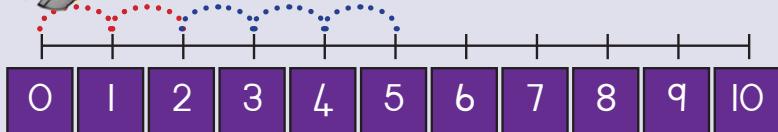


Hlanganisa.

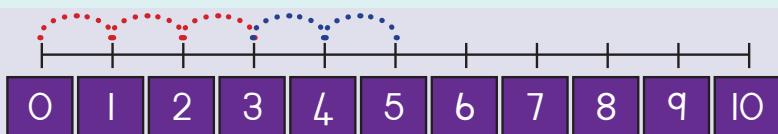
$3 + 2 =$	<input type="text"/>	$4 + 6 =$	<input type="text"/>	$9 + 3 =$	<input type="text"/>
$6 + 5 =$	<input type="text"/>	$7 + 8 =$	<input type="text"/>	$8 + 4 =$	<input type="text"/>
$9 + 5 =$	<input type="text"/>	$8 + 6 =$	<input type="text"/>	$7 + 4 =$	<input type="text"/>
$9 + 9 =$	<input type="text"/>	$7 + 5 =$	<input type="text"/>	$8 + 8 =$	<input type="text"/>
$7 + 6 =$	<input type="text"/>	$9 + 6 =$	<input type="text"/>	$7 + 7 =$	<input type="text"/>



Tsala nhlayo ya:



$$2 + 3 = 5$$



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



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

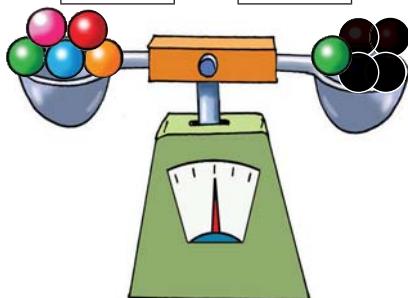


$$\boxed{} + \boxed{} = \boxed{}$$

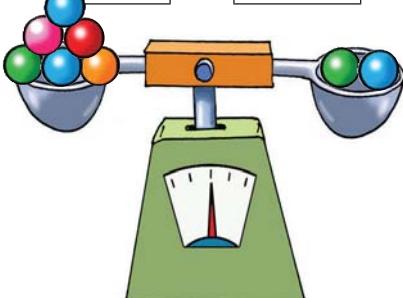


Hlanganisa vuhlalu ku endla leswaku swikalu swi ringana. Hi ku endlele xo sungula.

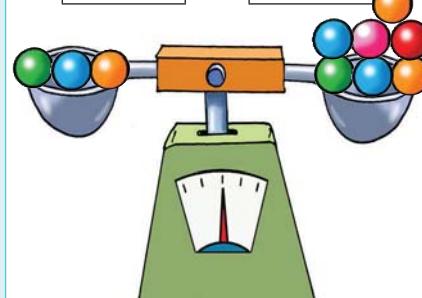
$$5 = 1 + 4$$



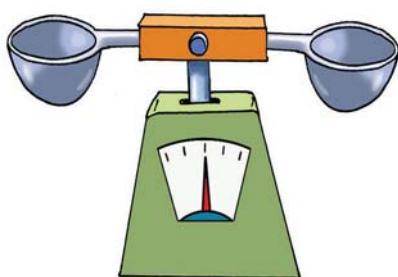
$$6 = 2 + \underline{\quad}$$



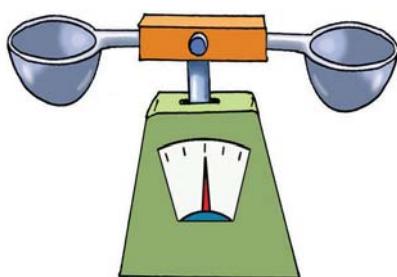
$$3 + \underline{\quad} = \boxed{}$$



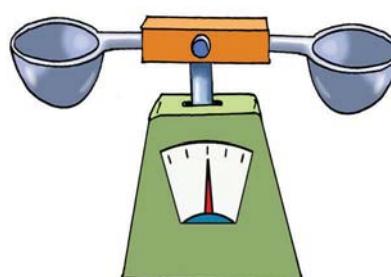
$$2 + 1 = 1 + \underline{\quad}$$



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



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



Teacher:

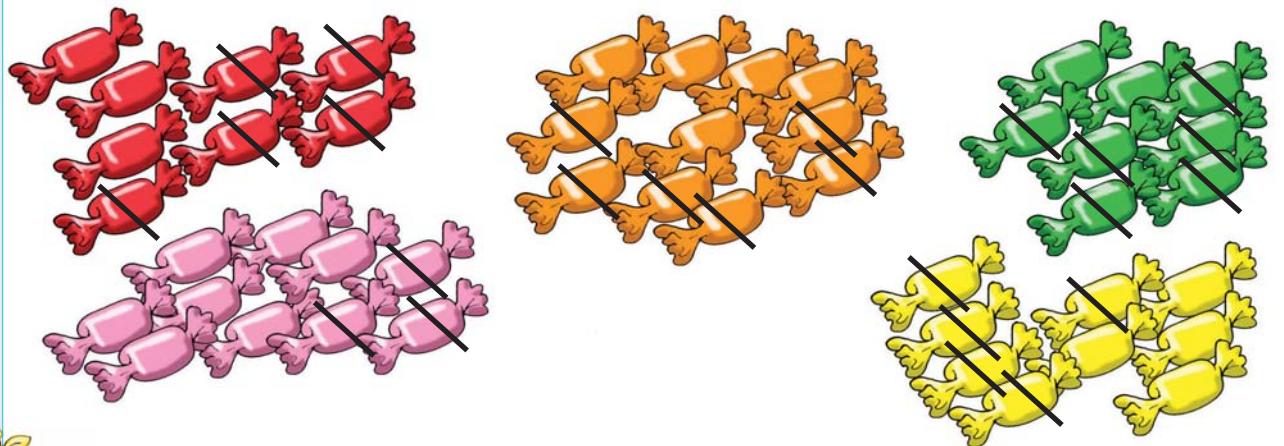
Date:

23b

Kotara ya |



Ku susa



Languta xifaniso kutani u tsala tinhlayo ta ku susa.

swiwitsi swo tshwuka = 8 - 5 = 3

swiwitsi swa rihlaza = - =

swiwitsi swa xitshopana = - =

swiwitsi swa buraweni = - =

swiwitsi swa pinki = - =



Susa.

$5 - 3 = \boxed{}$

$10 - 6 = \boxed{}$

$12 - 3 = \boxed{}$

$11 - 5 = \boxed{}$

$15 - 7 = \boxed{}$

$12 - 4 = \boxed{}$

$14 - 9 = \boxed{}$

$14 - 8 = \boxed{}$

$11 - 4 = \boxed{}$

$18 - 9 = \boxed{}$

$12 - 5 = \boxed{}$

$16 - 8 = \boxed{}$

$13 - 7 = \boxed{}$

$15 - 6 = \boxed{}$

$14 - 7 = \boxed{}$





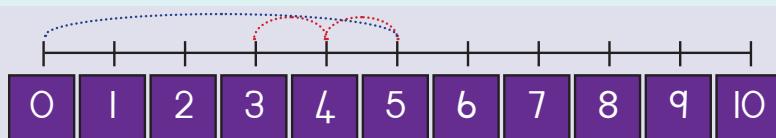
Hetisa.



$$\boxed{q} - \boxed{3}$$

A yi ringani na

$$\boxed{3} - \boxed{q}$$



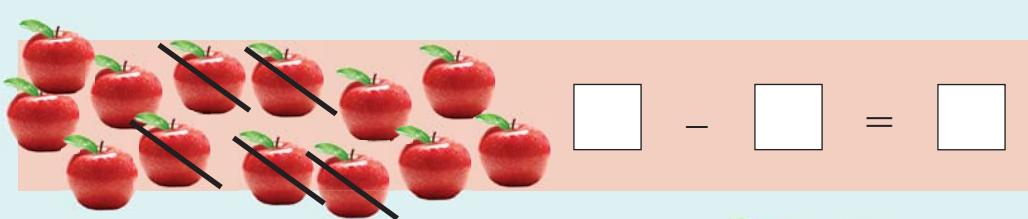
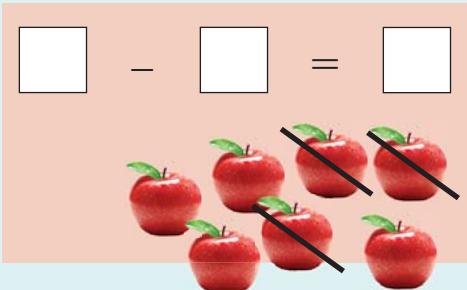
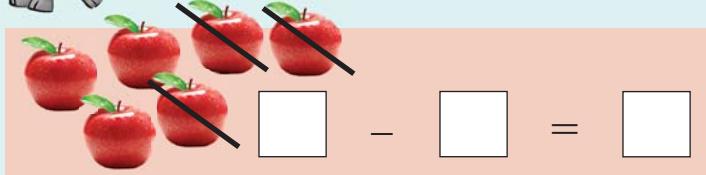
$$\boxed{5} - \boxed{2}$$

A yi ringani na

$$\boxed{2} - \boxed{5}$$



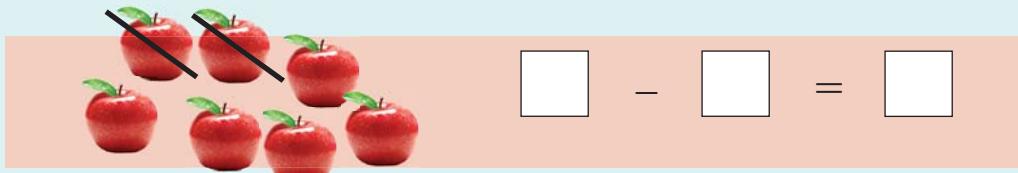
Tsala nhlayo ya:



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



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



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



Teacher:

Sign:

Date:



24

Kotara ya |



Siku:

Ku hlanganisa kun'wana

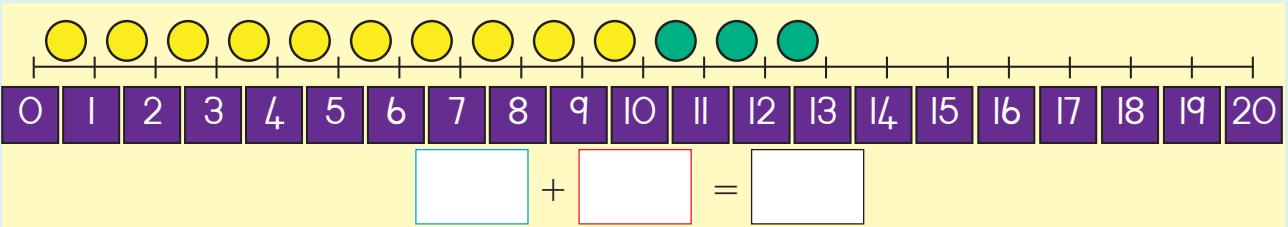
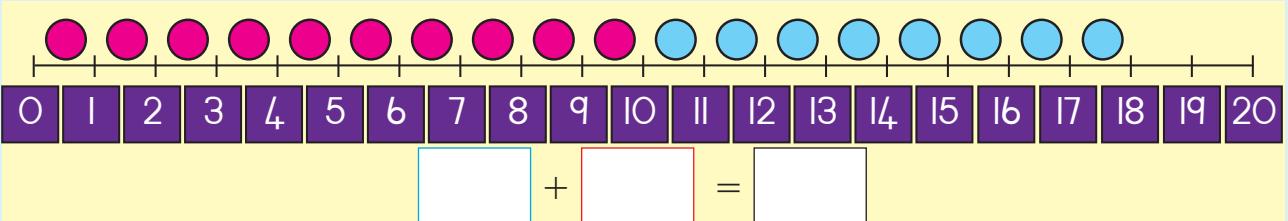
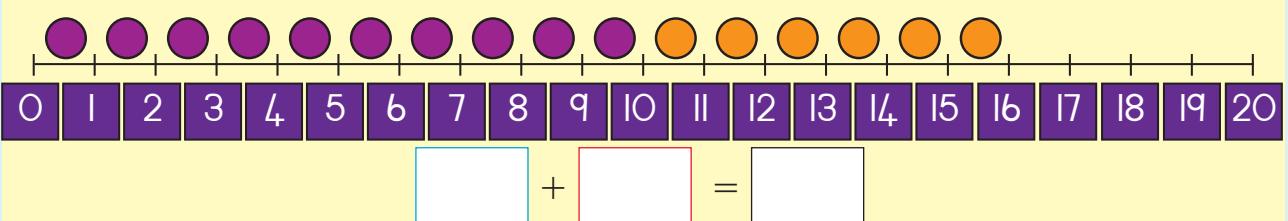
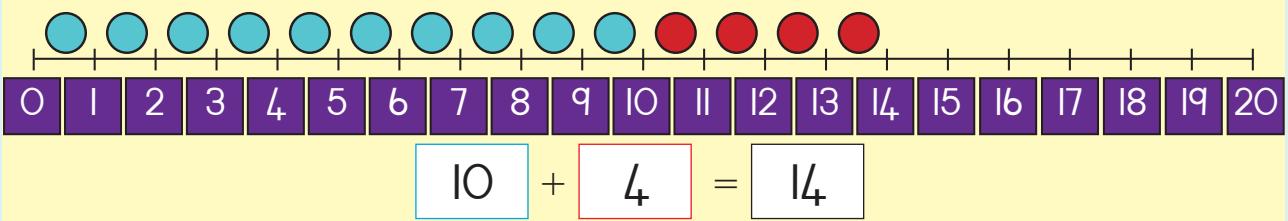
Hlanganisa tinomboro eka buloko yin'wana na yin'wana kutani u tsala ntsengo.

2	8	7	5	3
10	10	10	10	10

--	--	--	--	--



Tirhisa ndzhati wa mitsengo. Tsala hlayo ya ku hlanganisa.
Hi ku endlele yo sungula.





Hlanganisa:

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



Hlanganisa:

$$16 + 13$$

10	$+$	10	$=$	20
6	$+$	3	$=$	9
16	$+$	13	$=$	29

$$14 + 12$$

10	$+$	10	$=$	
4	$+$	2	$=$	
	$+$		$=$	

$$17 + 11$$

10	$+$	10	$=$	
7	$+$	1	$=$	
	$+$		$=$	

$$15 + 13$$

10	$+$	10	$=$	
5	$+$	3	$=$	
	$+$		$=$	

$$16 + 12$$

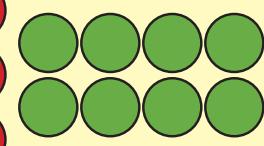
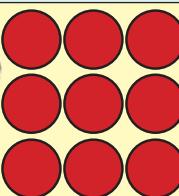
10	$+$	10	$=$	
6	$+$	2	$=$	
	$+$		$=$	

$$18 + 12$$

10	$+$	10	$=$	
8	$+$	2	$=$	
	$+$		$=$	



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



Xana ntsengo i yini?



Teacher:

Sign:

Date:

25

Kotara ya |



Siku:

Mali

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

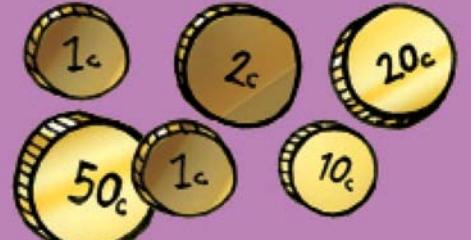
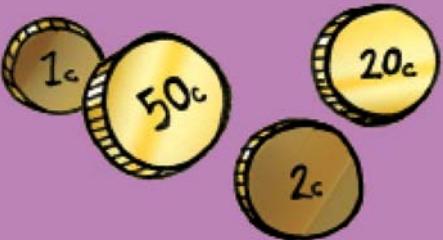
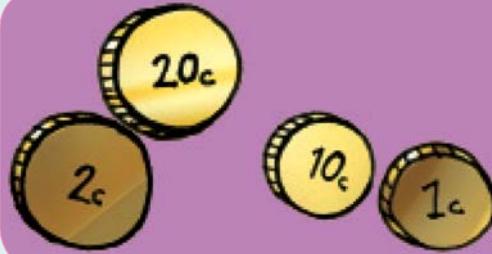
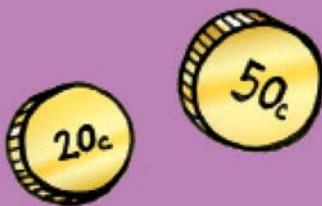
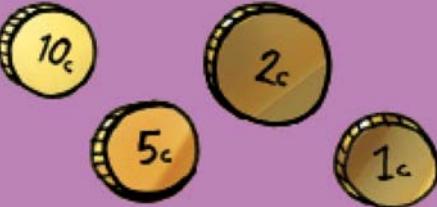


Tsema tikhoyini eka xitsemiwa xa 3 kutani u damarheta mitsengo leyi faneleke laha.





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 swiwi tsyi swa 30c. Xana ndzi sale na mali muni?



Teacher:

Sign:

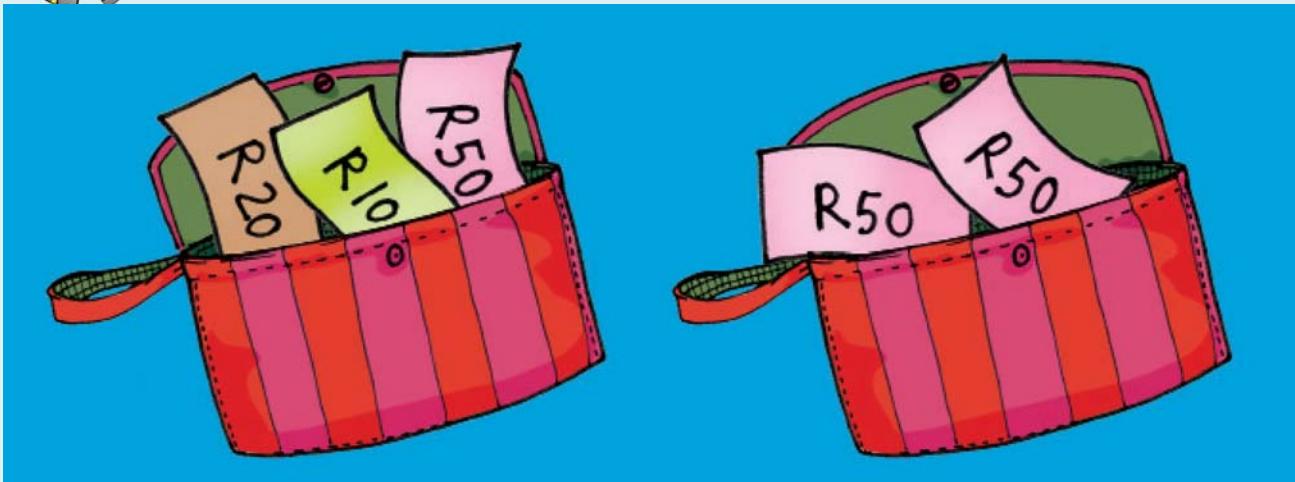
Date:



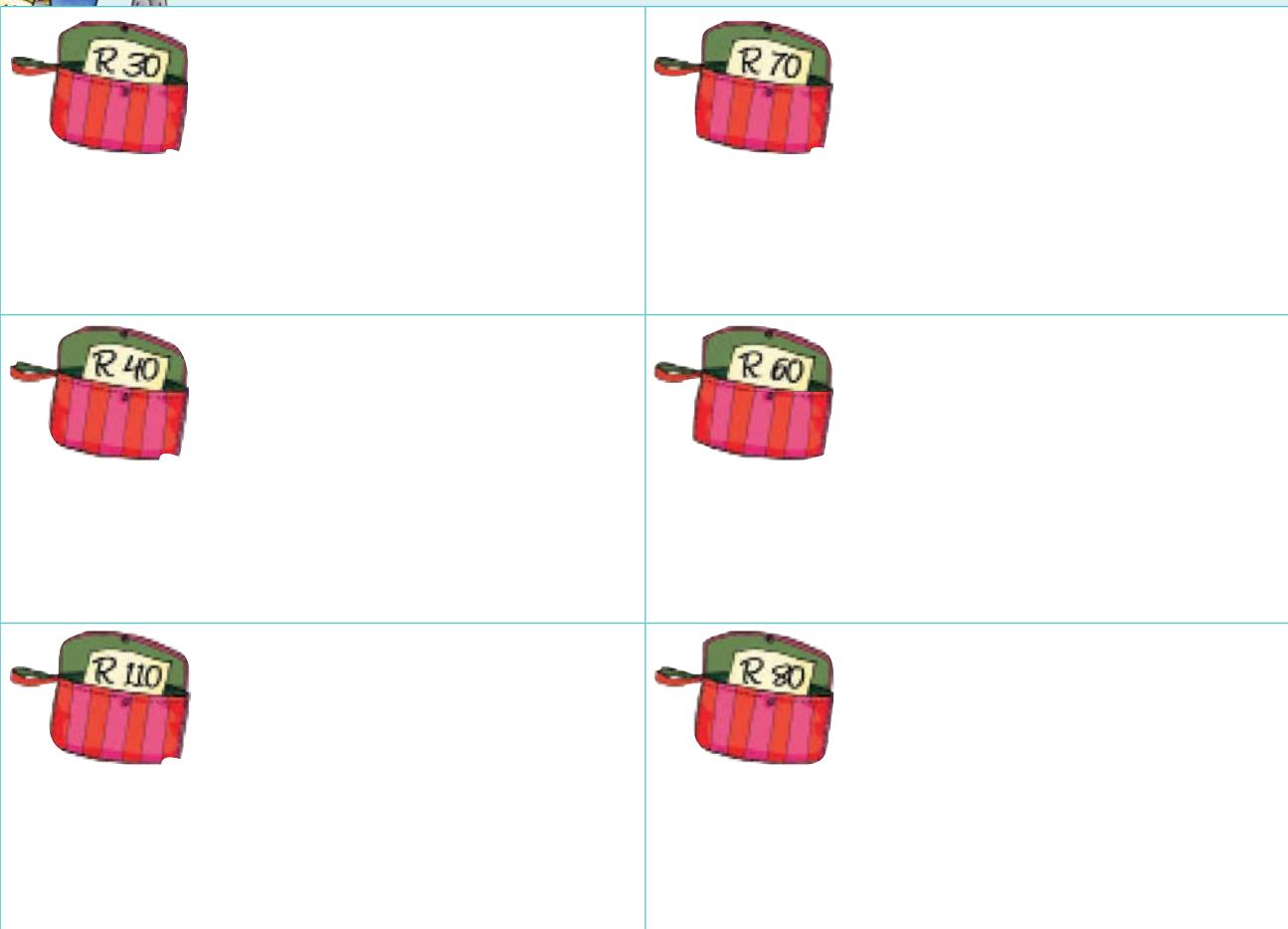
Ku na mali muni exipacini xa mina?

Siku:

Mali ya phepha



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





Xana ku na tirhandi tingani loko tihlanganile hinkwato?

R10

R20

R10

R20

R20

R20

R20

R50

R20

R10

R20

R20

R20

R10

R50

R20

R20

R10

R50



Tinhalayo 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:

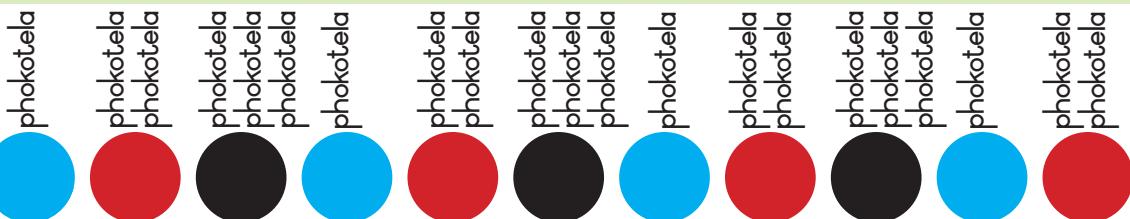
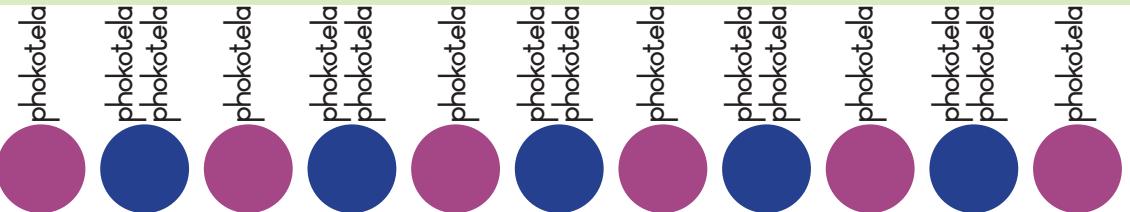
Date:



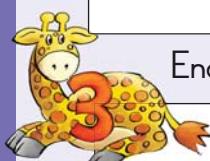
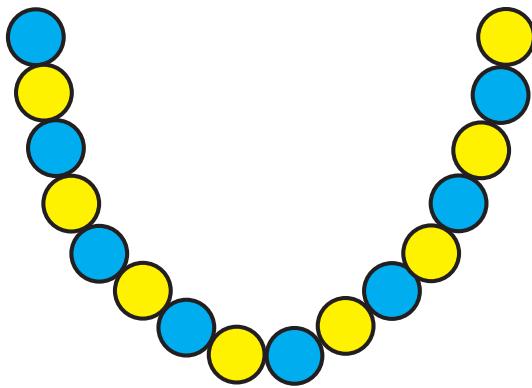
Tipatironi

Siku:

Phokotelela patironi.



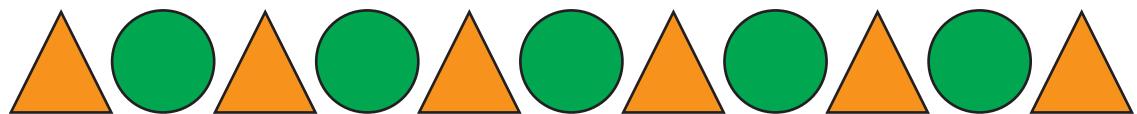
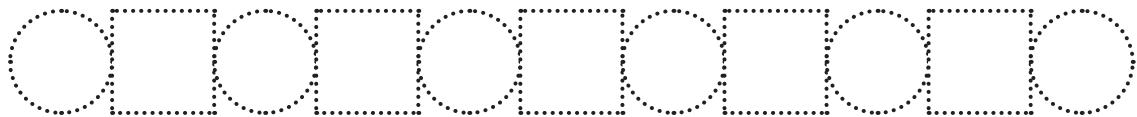
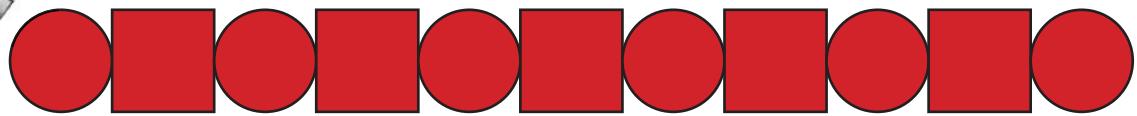
Kopunula patironi. Tirhisa xitsemiwa xa 4.



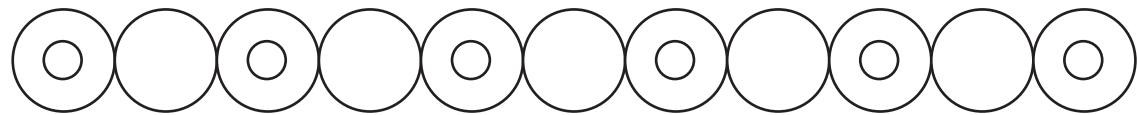
Endla xifaniso xa wena hi vuhlalu lebyi saleke. Tirhisa Xitsemiwa xa 4.



Kopunula tipatironi leti landzelaka.



Kopunula tipatironi.



Teacher:

Sign:

Date:



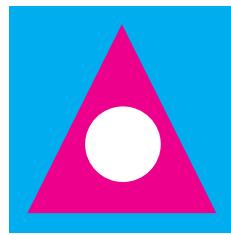
Tipatironi tin'wana



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



yinhlamune



xikwere



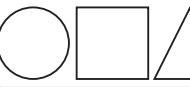
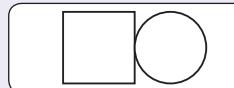
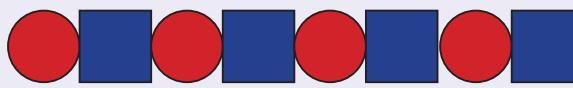
yinhlanhahru



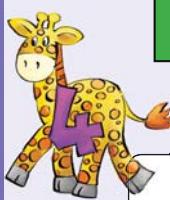
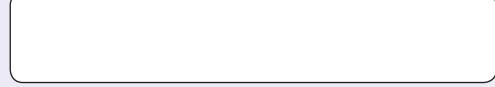
mihlovo



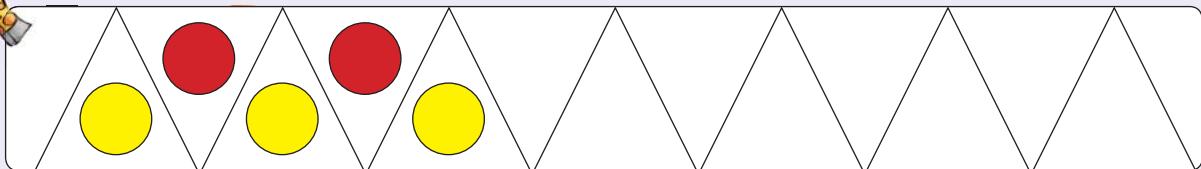
Hlawula u tlhela u khalara patironi leyi landzelaka.



Dirowa patironi leyi landzelaka.

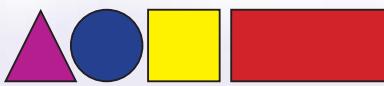


Engetela patironi.

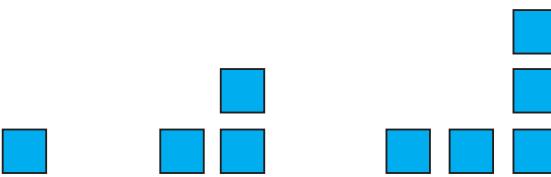




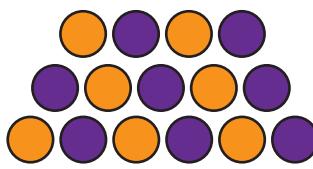
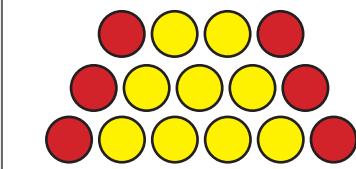
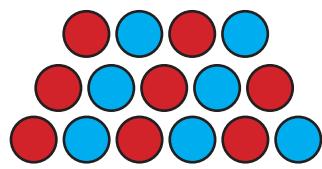
Dirowa tipatironi ta wena hi ku tirhisa



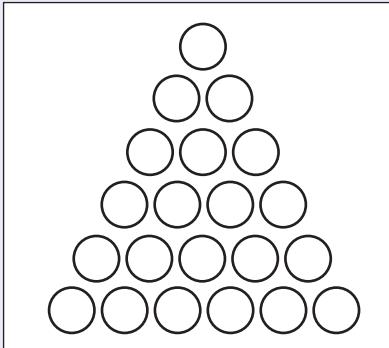
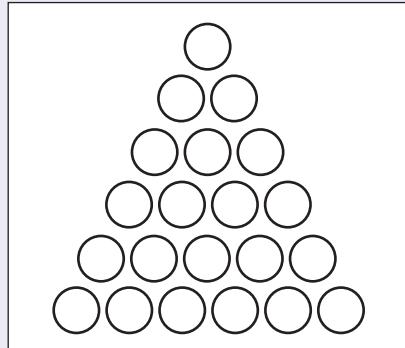
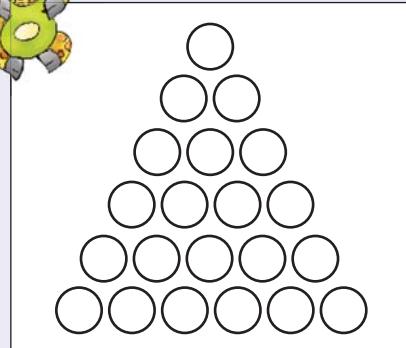
Dirowa patironi leyji landzelaka.



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



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



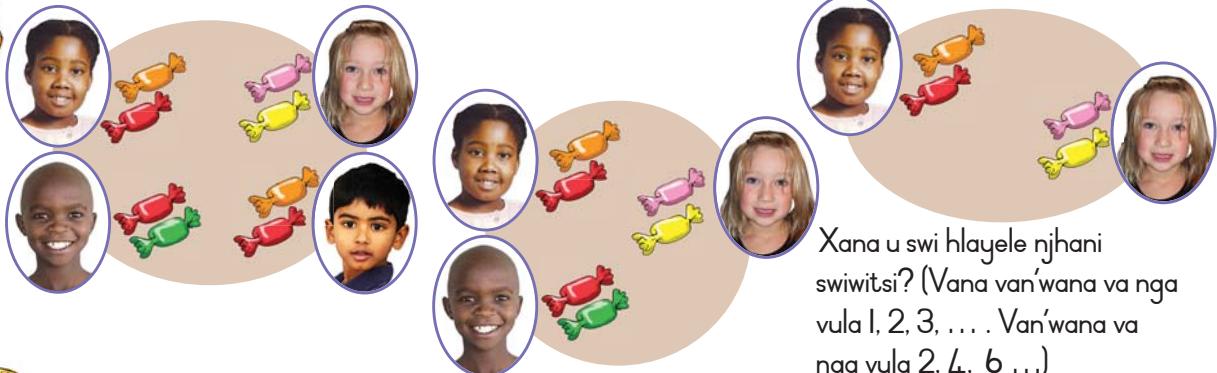
Teacher:

Sign:

Date:

Ku andzisa: $\times 2$ 

Xana ku na swi witsi swingani eta fuleni rin'wana na rin'wana?



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



Hetisa leswi landzelaka.



4 wa mintlawa ya 2

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

$$4 \times 2 = 8$$



5 wa mintlawa ya 2

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

$$5 \times 2 =$$



6 wa mintlawa ya 2

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

$$6 \times 2 =$$



7 wa mintlawa ya 2

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

$$7 \times 2 =$$



8 wa mintlawa ya 2

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

$$8 \times 2 =$$



Endla xifaniso xa leswi landzelaka:

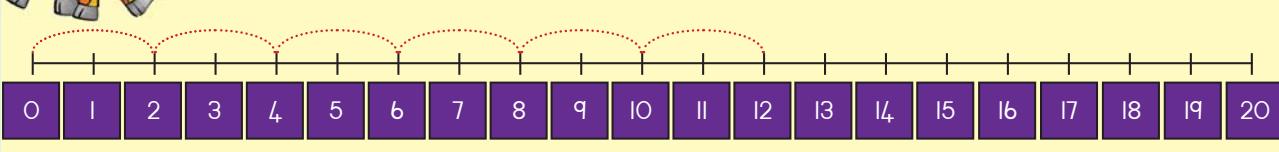
3 wa mintlawa ya 2

4 wa mintlawa ya 2

9 wa mintlawa ya 2



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



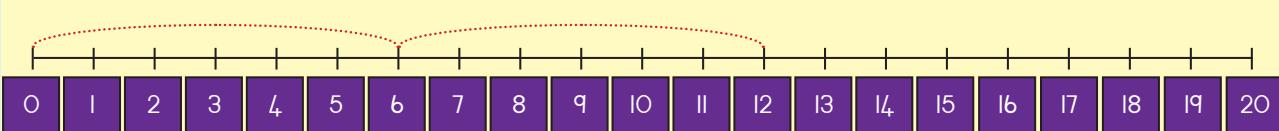
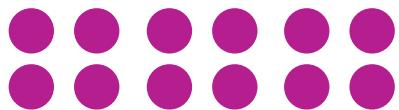
2, 4, 6, 8, ___, ___

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

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

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

Xifaniso



6, ___

$$6 + \boxed{} = \boxed{}$$

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

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

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:

30

Kotara ya |

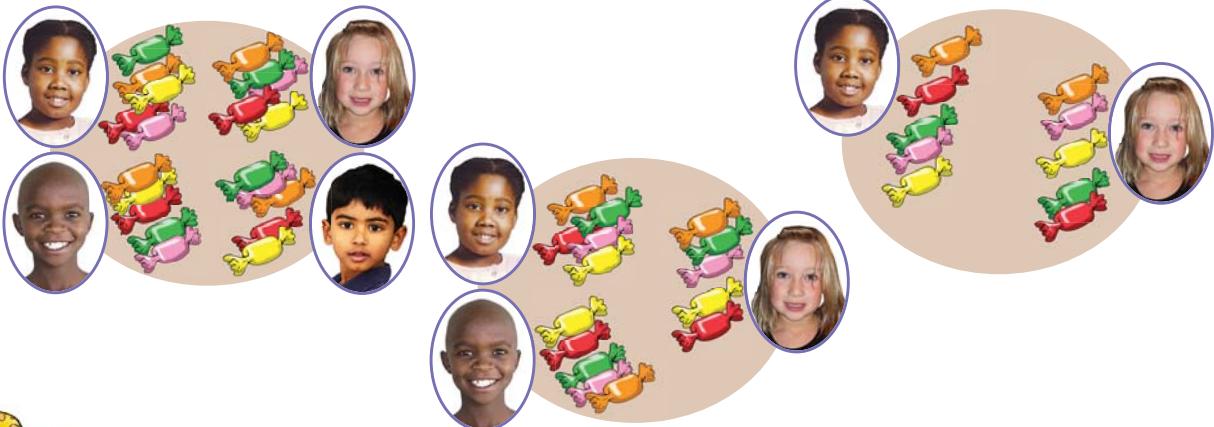


Siku:

Ku andzisa: $\times 5$



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



Hetisa leswi landzelaka: Hi ku endlele yo sungula.



3 wa mintlawa ya 5

$$5 + 5 + 5 = 15$$

$$3 \times 5 = 15$$



2 wa mintlawa ya 5

$$5 + 5 =$$

$$2 \times 5 =$$



4 wa mintlawa ya 5

$$5 + 5 + 5 + 5 =$$

$$4 \times 5 =$$



5 wa mintlawa ya 5

$$5 + 5 + 5 + 5 + 5 =$$

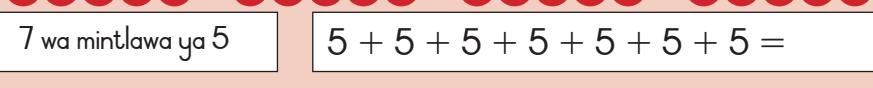
$$5 \times 5 =$$



6 wa mintlawa ya 5

$$5 + 5 + 5 + 5 + 5 + 5 =$$

$$6 \times 5 =$$



7 wa mintlawa ya 5

$$5 + 5 + 5 + 5 + 5 + 5 + 5 =$$

$$7 \times 5 =$$



Endla xifaniso xa leswi landzelaka.

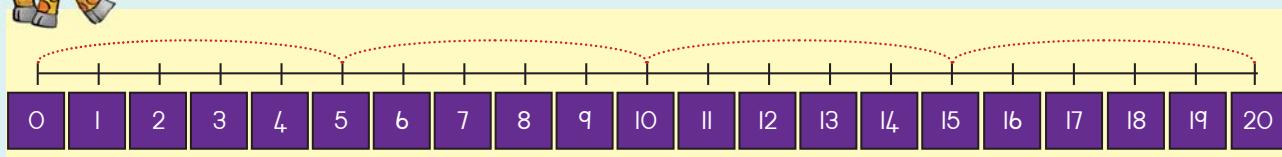
3 wa mintlawa ya 5

4 wa mintlawa ya 5

5 wa mintlawa ya 5



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



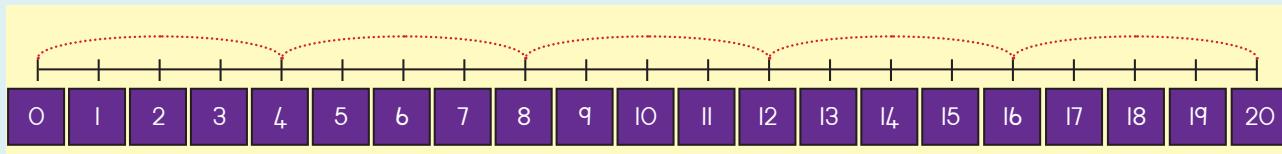
5, 10, 15, ___

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

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

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

Xifaniso



4, 8, 12, ___ , ___

$$4 + 4 + 4 + 4 + 4 = \boxed{}$$

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

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

Xifaniso



5 10 15 20 25 30

35 40 45 50



Teacher:

Sign:

Date:

3I

Kotara ya |

Switori swin'wana swa ku andzisa



Endla xitoria wena hi ku türhisa nhlayo hinkwayo ya tindleve, swandla na mikondzo.

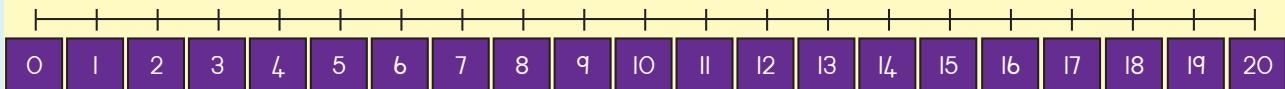


Hi IO wa vanghana. Xana hi na swandla swingani?

Dirowa xifaniso.

Swi kombise hi swihlayelo.

Swi kombise eka ndzhati wa mitsengo.



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

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

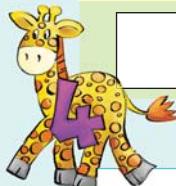
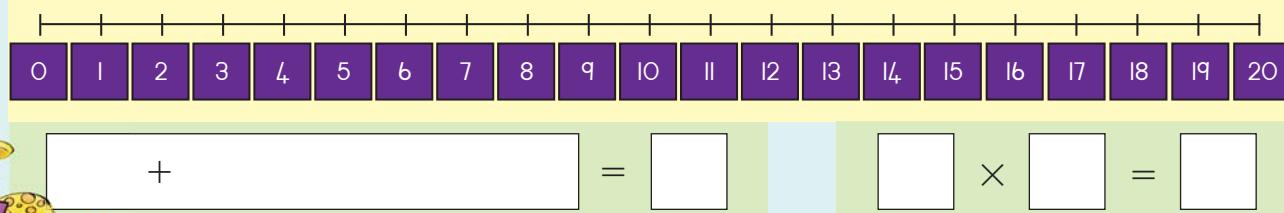


Ndyangu wa ka va Susan wu na 10 wa tiphere ta tintanghu. Xana va na tintanghu tingani?

Dirowa xifaniso.

Ti kombise hi swihlayelo.

Ti kombise eka ndzhati wa mitsengo.



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



Teacher:

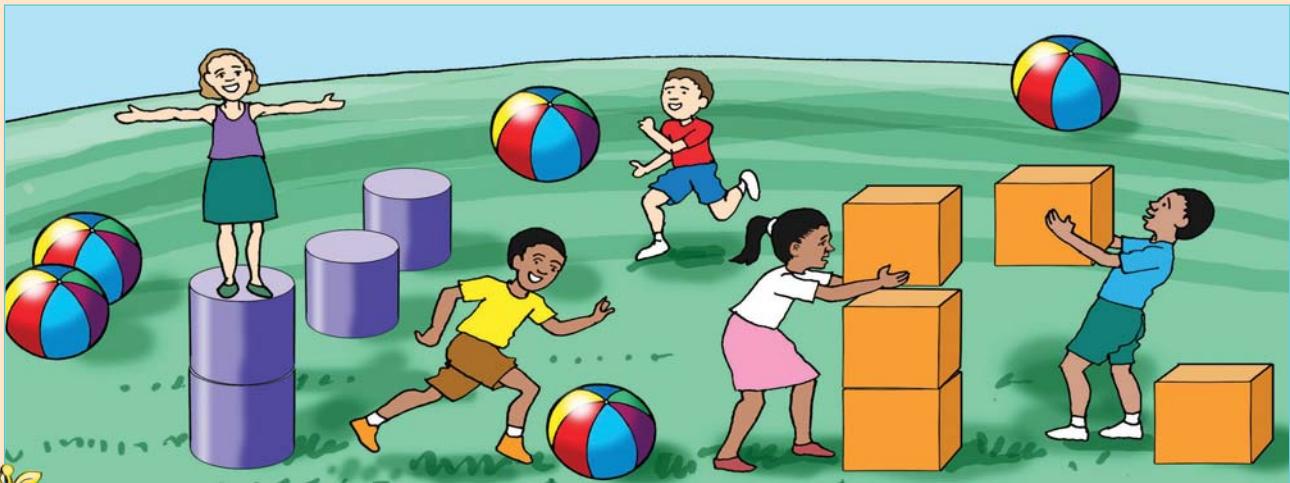
Sign:

Date:

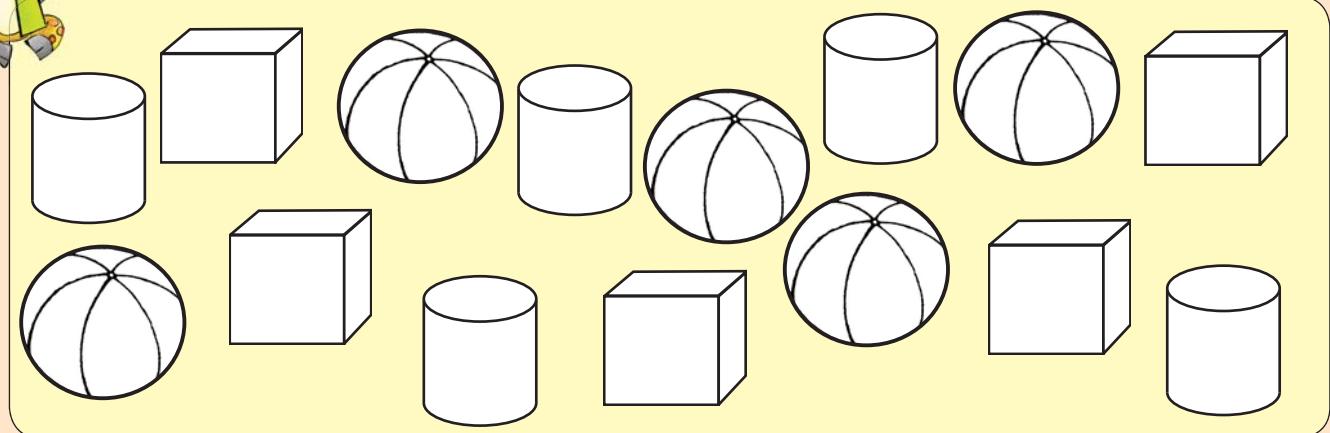


Siku:

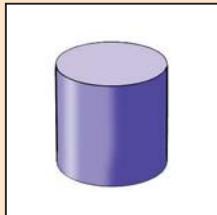
Swilo swa 3 wa matlhelo



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

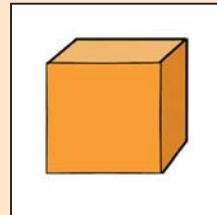


Hlawula rito leri faneleke.



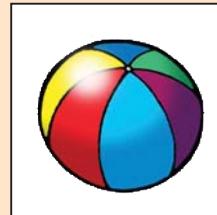
makumu yo thwixi

makumu ya njhikwa



makumu yo thwixi

makumu ya njhikwa



makumu yo thwixi

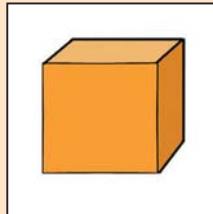
makumu ya njhikwa



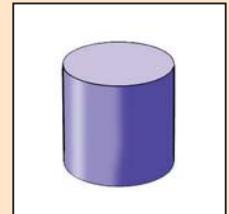
Vula loko nchumu wu ta khunguluka kumbe wu ta rheta.



khunguluka
rheta



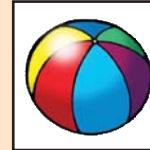
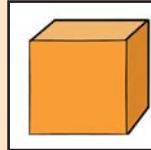
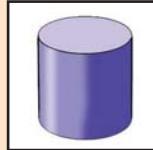
khunguluka
rheta



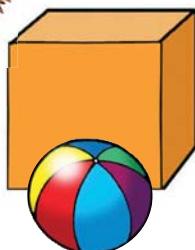
khunguluka
rheta



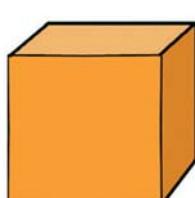
Xana u vona swingani swa swilo leswi exifanisweni: tisilindara, mabokisi na tibolo?



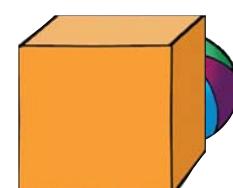
Xana bolo yi le kwihi? Emahlweni ka bokisi? Etlhelo? Endzhaku? Ehenhla?



emahlweni ka _____
etlhelo ka _____



emahlweni ka _____
etlhelo ka _____



emahlweni ka _____
etlhelo ka _____



Teacher:

Sign:
Date:

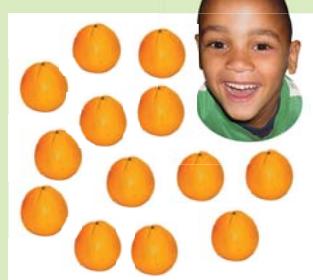
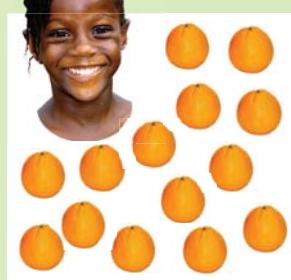


Siku

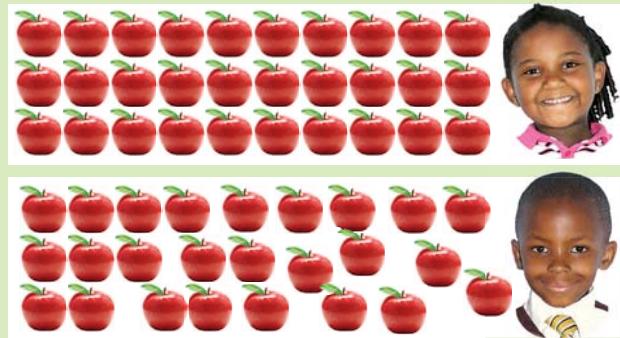
Longoloxa u tlhela u ringanisa tinomboro: I – 40



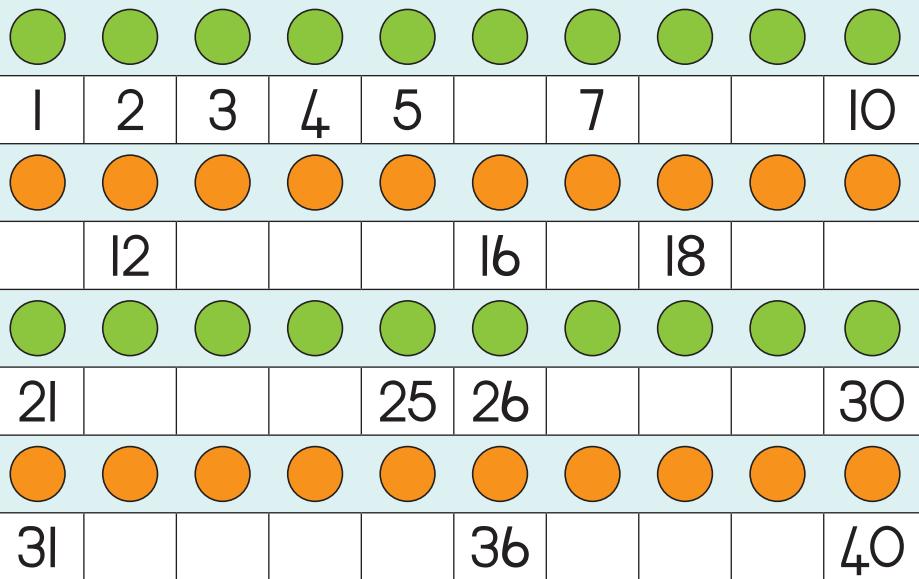
Xana i mani a nga na malamula
yo tala?



Xana i mani a nga na maapula yo tala?



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



Lanquta vuhlalu kutani u hlamula swivutiso.

Hi yihi nomboro leyi nga leyitsongo eka 8?

Hi yihi nomboro leyi nga leyikulu eka 13?

Hi yahi nomboro leyi nga leyitsongo eka 20?

Hi yahi nomboro leyi nga leyitsongo eka 24?





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

I	2	3	4	5	6	7	8	9	10
II	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.

I	2	3	4	5	6	7	8	9	10
II	12	13	14	15	16	17	18	19	20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50



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

Xana i tinhlayo-ndzingano yahi 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 yahi leyi taka xikan'wekan'we endzhaku ka 2I?

Xana i tinhlayo-ndzingano yahi 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:

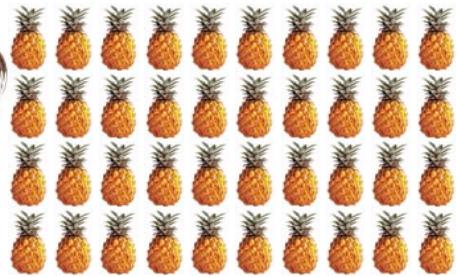
Date:



Ku longoloxa no ringanisa tinomboro: 40 – 50



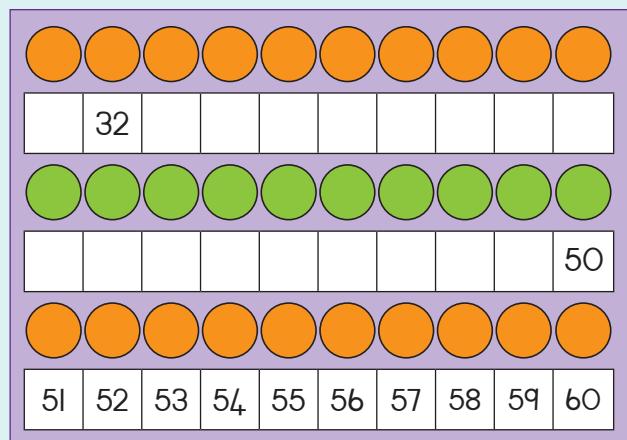
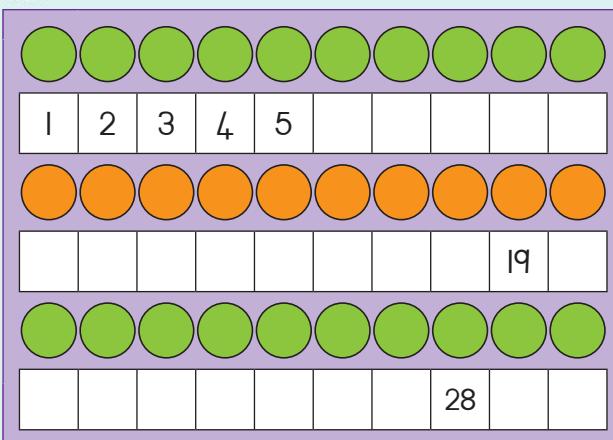
Xana i mani a nga na swihenge swo tala?



kumbe



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



Languta vuhlalu kutani u hlamula swivutiso.

Xana hi yihi nomboro leyi nga leyitsongo eka 3?

1

Xana hi yihi nomboro leyi nga leyikulu eka 31?

1

Xana hi yihî nomboro leyî nga leyitsongo eka 38?

ANSWER

Xana hi yihi nomboro leyi nga leyitsongo eka 47?

1



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?



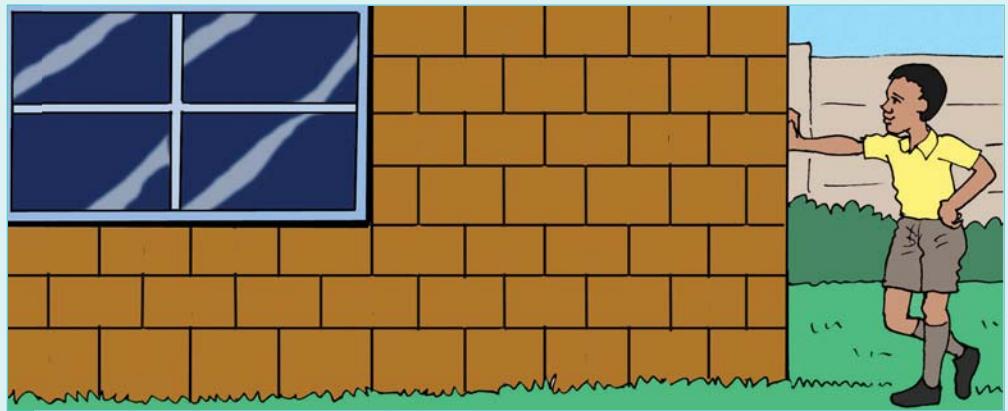
Teacher:

Sign:

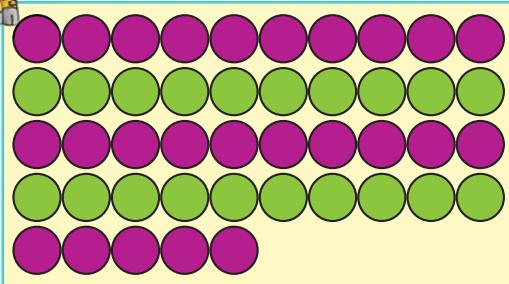
Date:



Tinomboro ta 40 – 50



Xana ku na vuhlalu byingani?



Nhlayo:

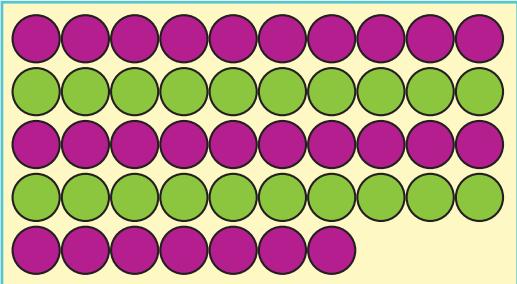
45

$$40 + 5 = 45$$

Nhlayo:

Hinga yi tsala tanihi:

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



Nhlayo:

Hinga yi tsala tanihi:



Hetisa leswi landzelaka.

20	21	22							
30				34					
		42							



Hetisa leswi landzelaka.

$$20 + 4 = 24$$

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



Tsala marito ya:

41 _____

42 _____

43 _____

44 _____

45 _____

46 _____

47 _____

48 _____

49 _____

50 _____



Languta xikombiso xo sungula kutani u hetisa leswi landzelaka.

$$\begin{array}{rcl} 45 & = & 4 \text{ vukhume} + 5 \text{ vun'we} \\ 43 & = & 4 \text{ vukhume} + 3 \text{ vun'we} \\ 42 & = & 4 \text{ vukhume} + 2 \text{ vun'we} \end{array}$$

$$\begin{array}{rcl} 44 & = & 4 \text{ vukhume} + 4 \text{ vun'we} \\ 41 & = & 4 \text{ vukhume} + 1 \text{ vun'we} \\ 48 & = & 4 \text{ vukhume} + 8 \text{ vun'we} \end{array}$$



Tsala nomboro leyi faneleke eka kholomu leyi faneleke.

	Vukhume	Vun'we
27		
34		
46		
41		
39		



Teacher:

Sign:

Date:

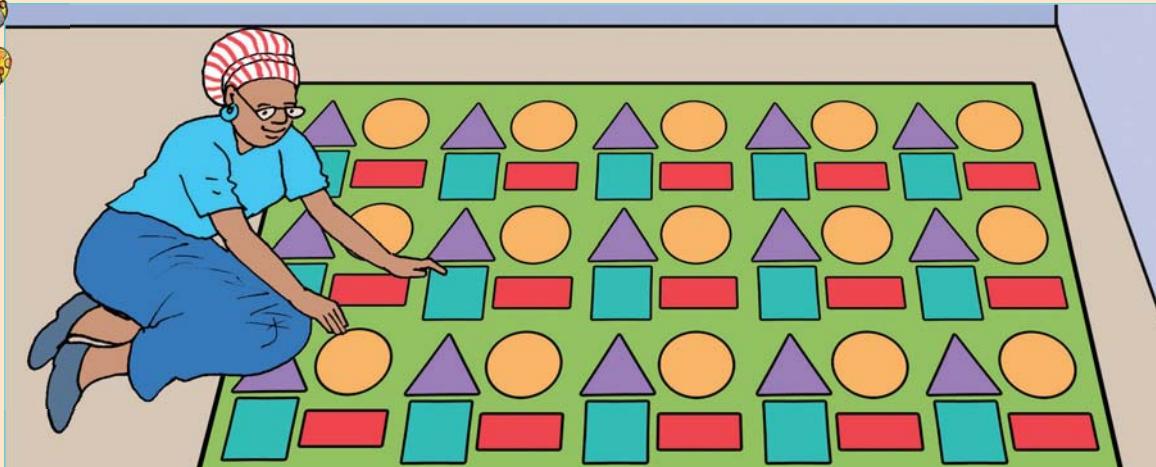


Swikwere, tiyinhlamune, tiyinhlanhharhu na swirhendzevutana

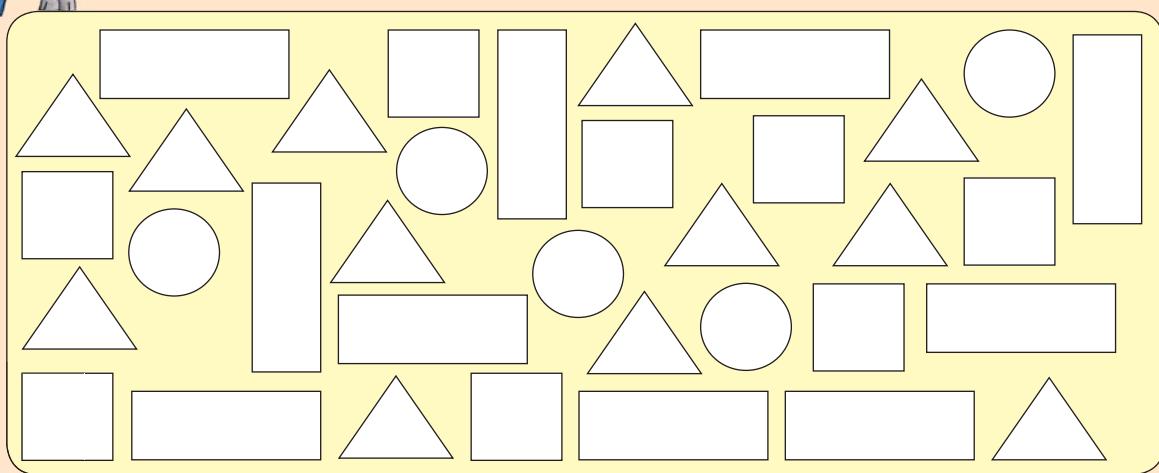
Siku:



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



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

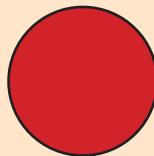


Hlawula u tlhela u khalara nhlamulo leyi faneleke.



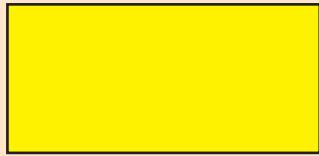
makumu yo thwixi

makumu ya
xirhendzevutana



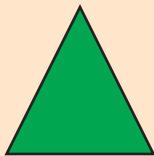
makumu yo thwixi

makumu ya
xirhendzevutana



makumu yo thwixi

makumu ya
xirhendzevutana

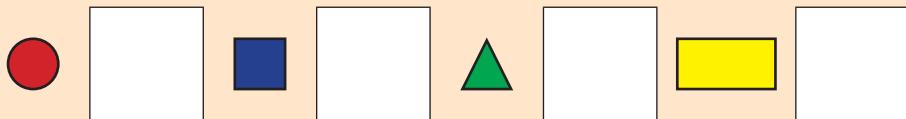
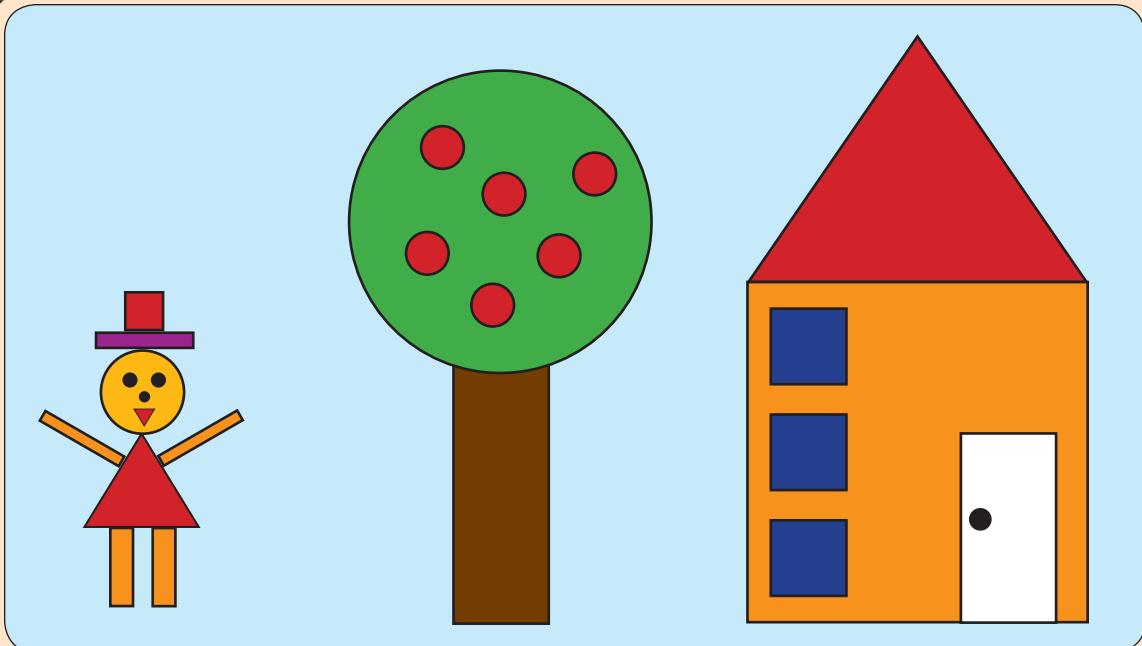


makumu yo thwixi

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:



Ku hlanganisa no susa ku fika eka 20

Siku:

Ku tsundzuka hi xihatla.

$4 + 5 - 1 =$

$13 - 9 + 2 =$

$20 - 7 + 1 =$

$10 + 5 - 4 =$

$10 + 3 + 2 =$

$9 + 3 - 2 =$

$8 - 2 - 1 =$

$13 - 8 + 1 =$

$9 - 4 - 3 =$

$18 - 9 - 4 =$

$7 + 8 + 1 =$

$16 - 7 + 3 =$

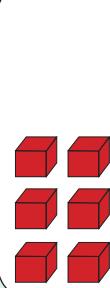
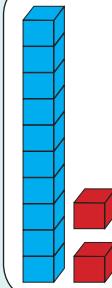
$14 - 6 + 4 =$

$12 - 5 - 2 =$

$19 - 10 + 5 =$



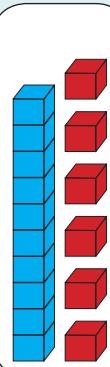
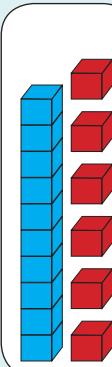
Hlanganisa leswi landzelaka.



$= \boxed{1} \ \boxed{0} \quad \boxed{2} + \boxed{} \quad \boxed{6}$

 $= \boxed{1} \ \boxed{0} + \boxed{8}$

 $= \boxed{1} \ \boxed{8}$

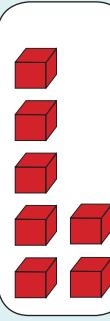
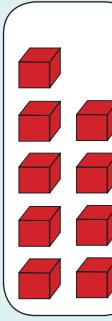


$= \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{}$

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

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

 $= \boxed{}$



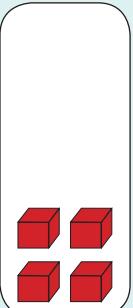
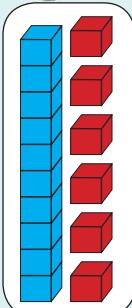
$= \boxed{} + \boxed{}$

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

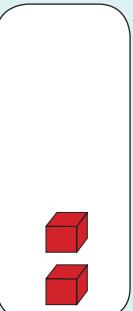
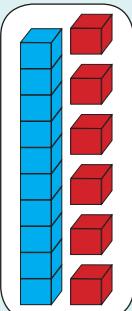
 $= \boxed{}$



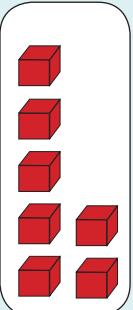
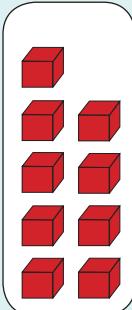
Susa leswi landzelaka.



$$\begin{aligned}
 &= \boxed{1} \quad \boxed{0} \quad \boxed{6} - \boxed{4} \\
 &= \boxed{1} \quad \boxed{0} \quad - \quad \boxed{2} \\
 &= \quad \quad \quad \boxed{8}
 \end{aligned}$$



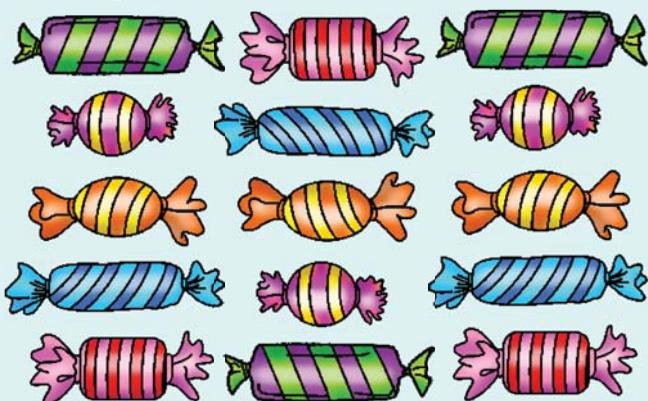
$$\begin{aligned}
 &= \quad \quad \quad \boxed{} - \quad \quad \quad \boxed{} \quad \boxed{} \\
 &= \quad \quad \quad \boxed{} + \quad \boxed{} \\
 &= \quad \quad \quad \boxed{}
 \end{aligned}$$



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



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

Siku:

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



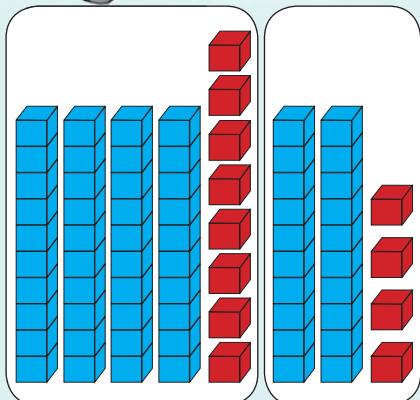
Hlanganisa leswi landzelaka.

		$=$ <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"/>

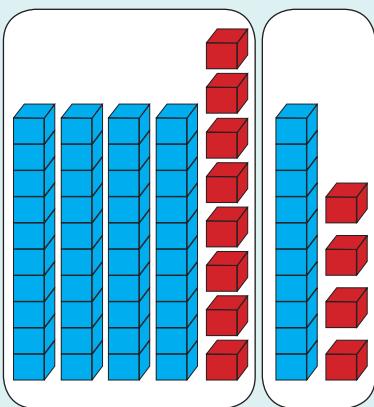
Sweswi ringeta maendlele ya wena.



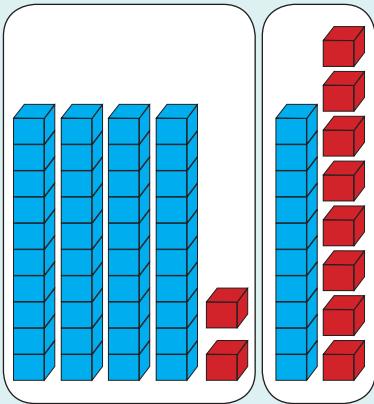
Susa leswi landzelaka.



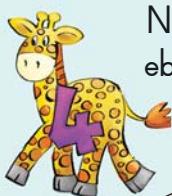
$$\begin{aligned}
 &= \boxed{4} \ 0 \quad \boxed{8} - \boxed{2} \ 0 \quad \boxed{4} \\
 &= \boxed{4} \ 0 \quad - \boxed{2} \ 0 + \boxed{8} - \boxed{4} \\
 &= \boxed{2} \ 0 + \boxed{4} \\
 &= \boxed{2} \ 4
 \end{aligned}$$



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



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



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 hlayiseke?

R20
R5
RIO
R2



Teacher:

Sign:

Date:

3q a

Kotara ya 2



Ku hlanganisa kun'wana

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

1	10	5
10		

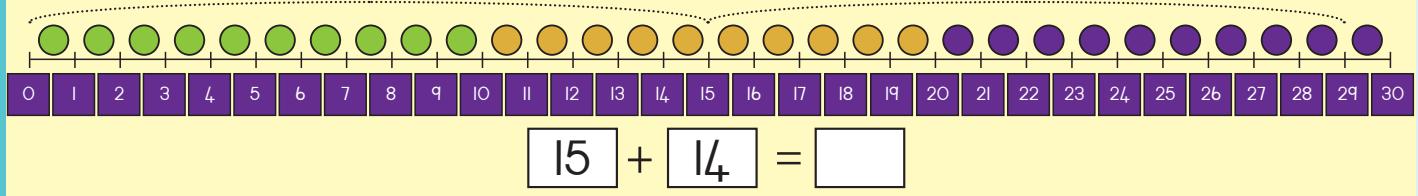
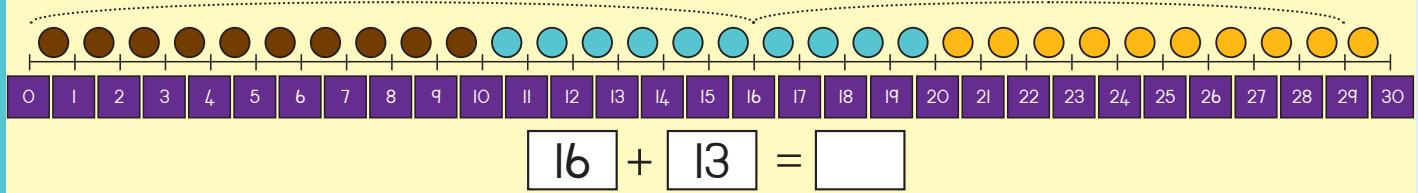
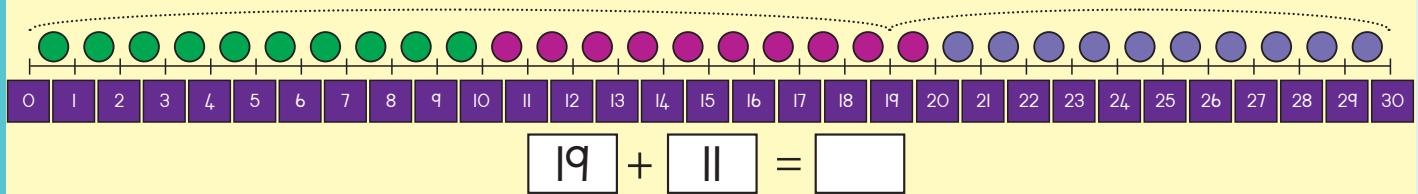
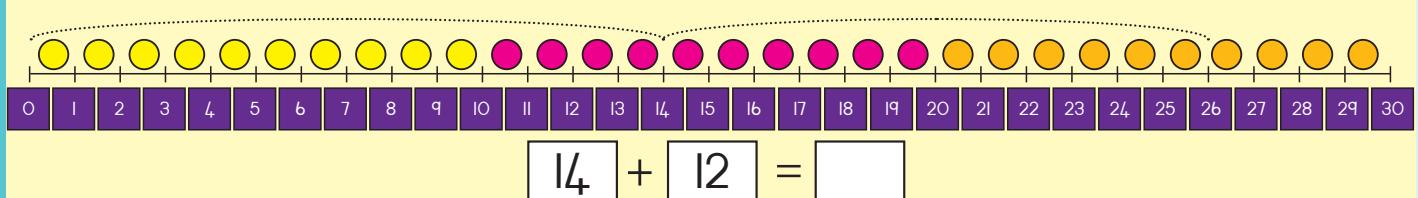
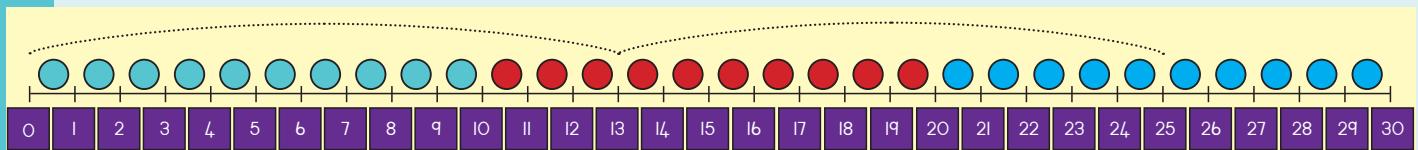
2	10	6
20		

3	20	5
20		

4	20	4
10		



Hlanganisa:





Hlanganisa.

$$12 + 11$$

$$\begin{aligned}
 &= \boxed{1} \ \boxed{0} \quad \boxed{2} + \boxed{1} \ \boxed{0} \quad \boxed{1} \\
 &= \boxed{1} \ \boxed{0} + \boxed{1} \ \boxed{0} + \boxed{2} + \boxed{1} \\
 &= \boxed{2} \ \boxed{0} + \boxed{3} \\
 &= \boxed{2} \ \boxed{3}
 \end{aligned}$$

$$13 + 15$$

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

$$26 + 12$$

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

$$23 + 22$$

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

$$24 + 13$$

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

$$35 + 12$$

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



Betty u xavile swiwitsi swa R36 kasi Sipho u xavile swa R13. Xana va tirhisile mali muni eka swiwitsi?



Teacher:

Sign:

Date:

3qb

Kotara ya 2



Ku hlanganisa kun'wana (ku yisa emahlweni)

Tsala ntsengo.

$$12 + 10 = \boxed{\quad}$$



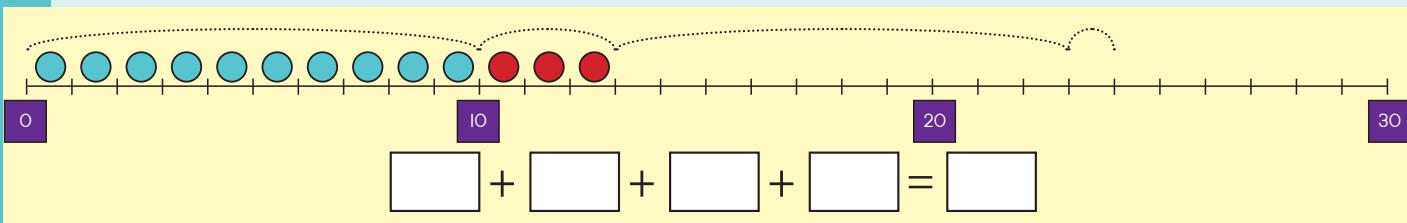
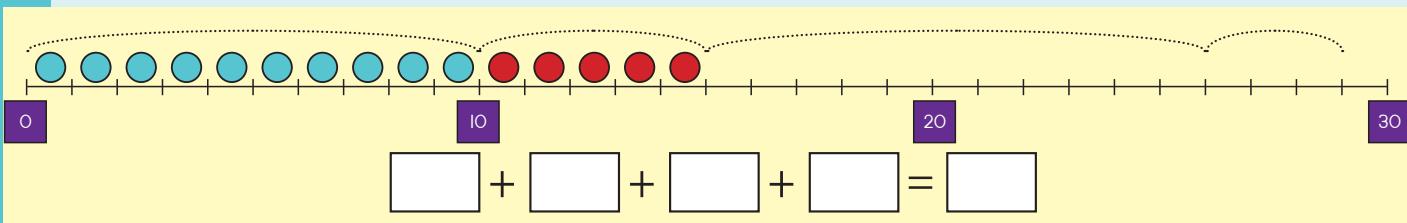
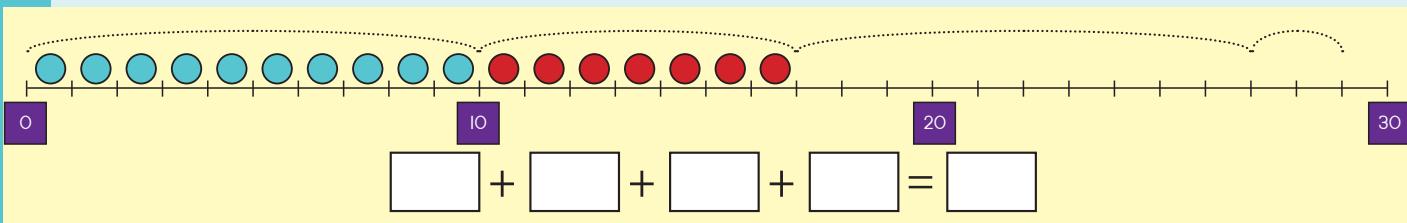
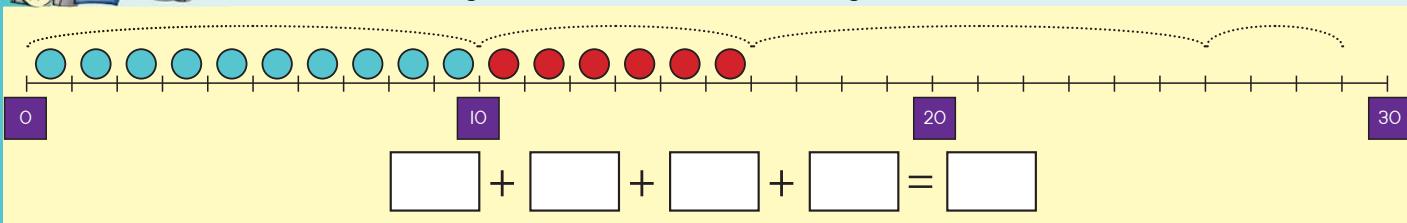
$$15 + 10 = \boxed{\quad}$$



$$19 + 10 = \boxed{\quad}$$



Dirowa vuhlalu lebyjin'wana kutani u hetisa tinhlayo.





Hetisa.

$$28 + \boxed{1} = \boxed{2} \boxed{8} + \boxed{10} + \boxed{1} = \boxed{38} + \boxed{1} = \boxed{39}$$

$$34 + \boxed{1}2 = \boxed{3} \boxed{4} + \boxed{10} + \boxed{2} = \boxed{} + \boxed{} = \boxed{}$$

$$23 + \boxed{1}3 = \boxed{2} \boxed{3} + \boxed{10} + \boxed{3} = \boxed{} + \boxed{} = \boxed{}$$

$$35 + \boxed{1}2 = \boxed{3} \boxed{5} + \boxed{10} + \boxed{2} = \boxed{} + \boxed{} = \boxed{}$$

$$26 + \boxed{1} = \boxed{2} \boxed{6} + \boxed{10} + \boxed{1} = \boxed{} + \boxed{} = \boxed{}$$



Hlanganisa:

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

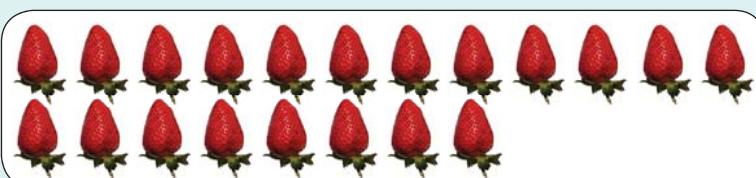


Ntsengo wa 27 na 16 i

Dirowa xifaniso ku kombisa nhlamulo ya wena.



Endla nhlayo ya wena ya marito hi
ku tirhisa swifaniso.





Teacher:

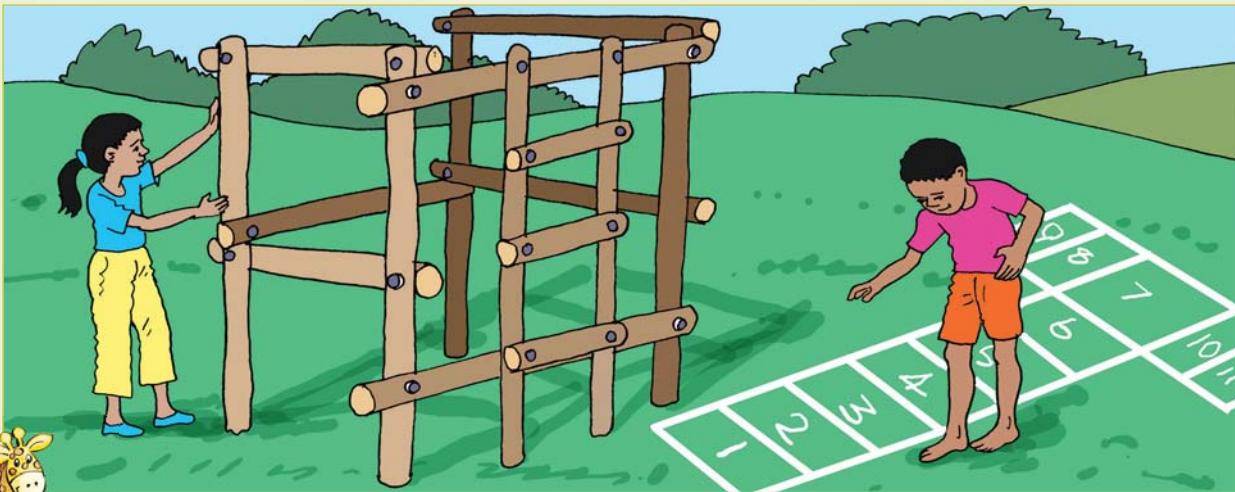
Sign:

Date:

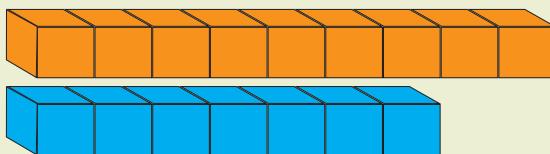


Siku:

Ku leha

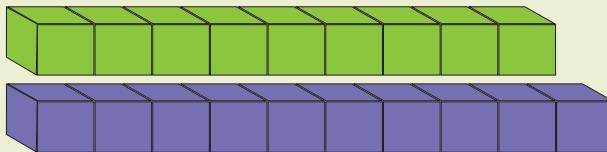


Khalara nhlamulo leyi faneleke ku kombisa loko tinxaxa leti na tikholumu swi lehile kumbe swi komile, swi anamile kumbe swi larile. Khalara nhlamulo ya wena hi muhlovo lowu fanaka na wa tibuloko.



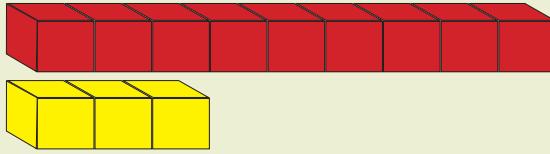
koma

leha



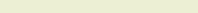
koma

leha



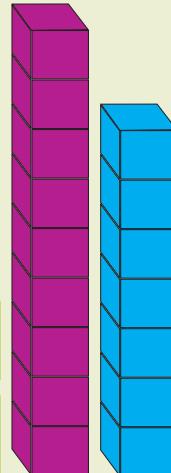
koma

leha



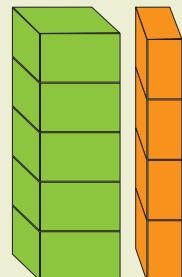
koma

leha



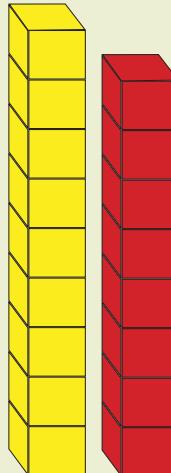
Ku anama

Ku lala



koma

leha





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



koma



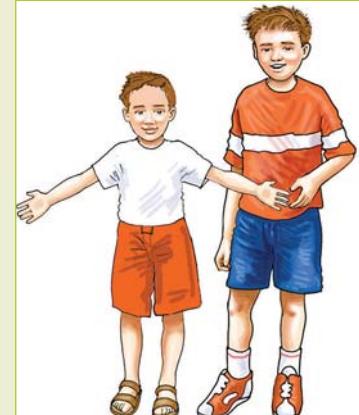
leha



koma



leha



koma



leha

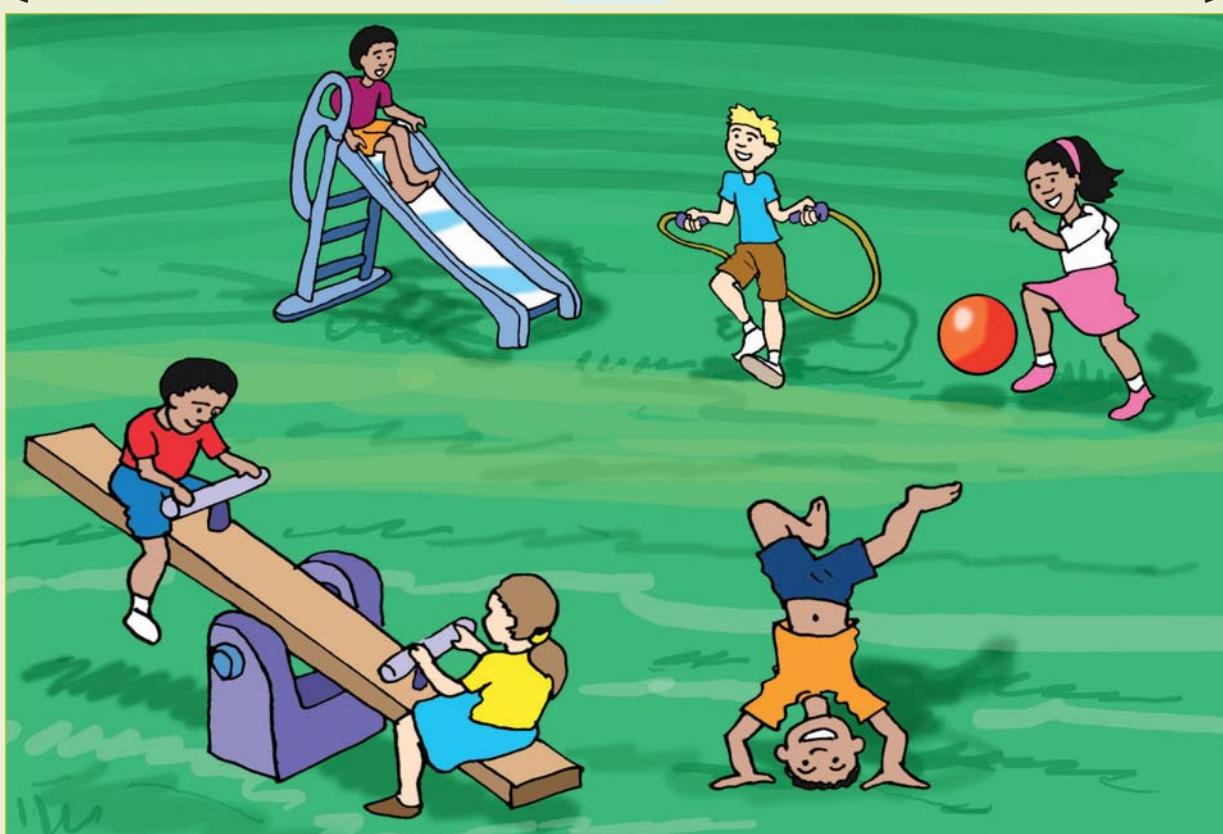


Pima matlhelo ya rivala ra mitlangu hi mikondzo na swandla ku suka eka xitsemiwa xa l.

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:

4

Kotara ya 2



Siku:

Ku susa



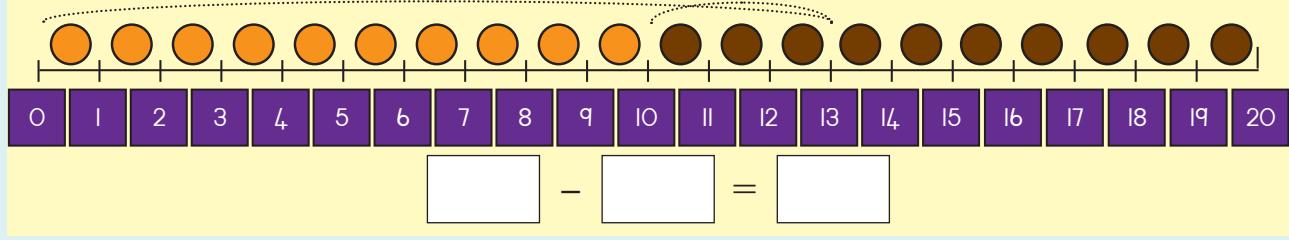
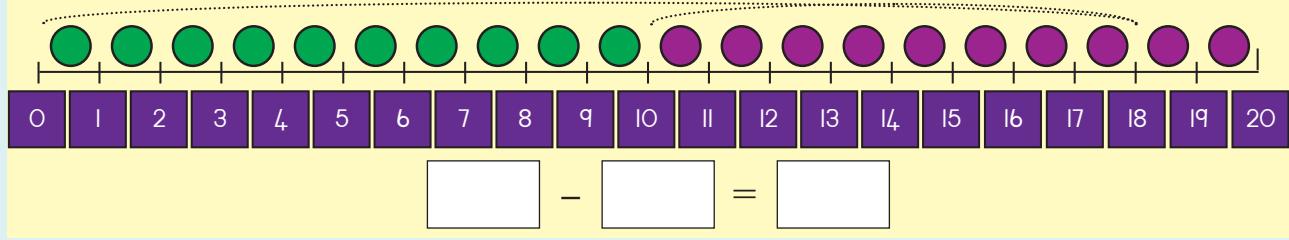
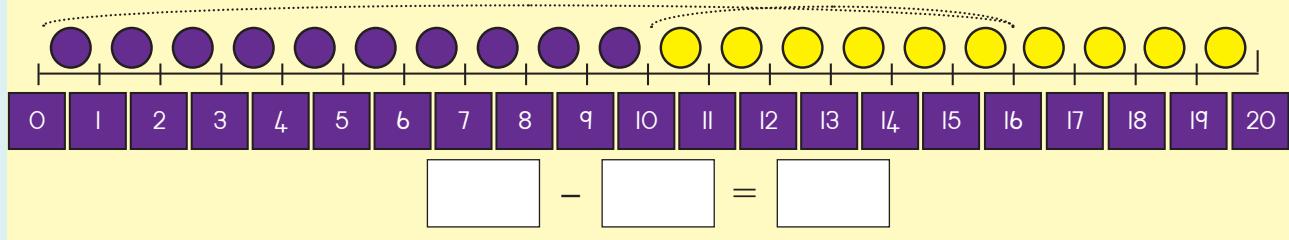
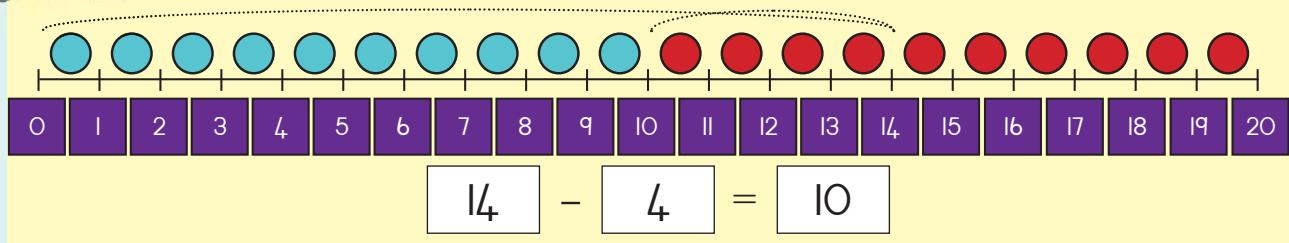
Yelanisa makhadi na tinhlayo to susa.

10	10	10	10	10
2	2	8	8	7

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



Tirhisa ndzhati wa mitsengo. Tsala nhlayo yo susa.





Susa.

$$10 \boxed{3} - \boxed{3} = \boxed{}$$

$$10 \boxed{5} - \boxed{5} = \boxed{}$$

$$10 \boxed{1} - \boxed{1} = \boxed{}$$

$$10 \boxed{4} - \boxed{4} = \boxed{}$$

$$10 \boxed{9} - \boxed{9} = \boxed{}$$

$$10 \boxed{2} - \boxed{2} = \boxed{}$$

$$10 \boxed{7} - \boxed{7} = \boxed{}$$

$$10 \boxed{6} - \boxed{6} = \boxed{}$$

$$10 \boxed{8} - \boxed{8} = \boxed{}$$

$$10 \boxed{9} - \boxed{5} = \boxed{}$$



Susa.

$16 - 13$		
10	10	20
$\boxed{6}$	$-$	$\boxed{3}$
16	$-$	$\boxed{3}$

$14 - 12$		
10	10	$\boxed{}$
$\boxed{4}$	$-$	$\boxed{2}$
14	$-$	$\boxed{}$

$27 - 11$		
20	10	$\boxed{}$
$\boxed{7}$	$-$	$\boxed{1}$
$\boxed{}$	$-$	$\boxed{}$

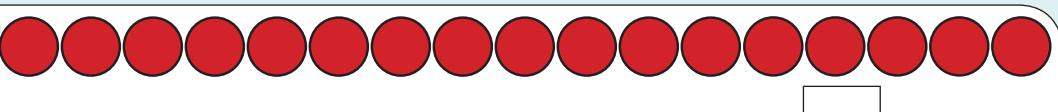
$35 - 13$		
30	10	$\boxed{}$
$\boxed{5}$	$-$	$\boxed{3}$
$\boxed{}$	$-$	$\boxed{}$

$26 - 12$		
20	10	$\boxed{}$
$\boxed{6}$	$-$	$\boxed{2}$
$\boxed{}$	$-$	$\boxed{}$

$48 - 11$		
40	10	$\boxed{}$
$\boxed{8}$	$-$	$\boxed{1}$
$\boxed{}$	$-$	$\boxed{}$



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:

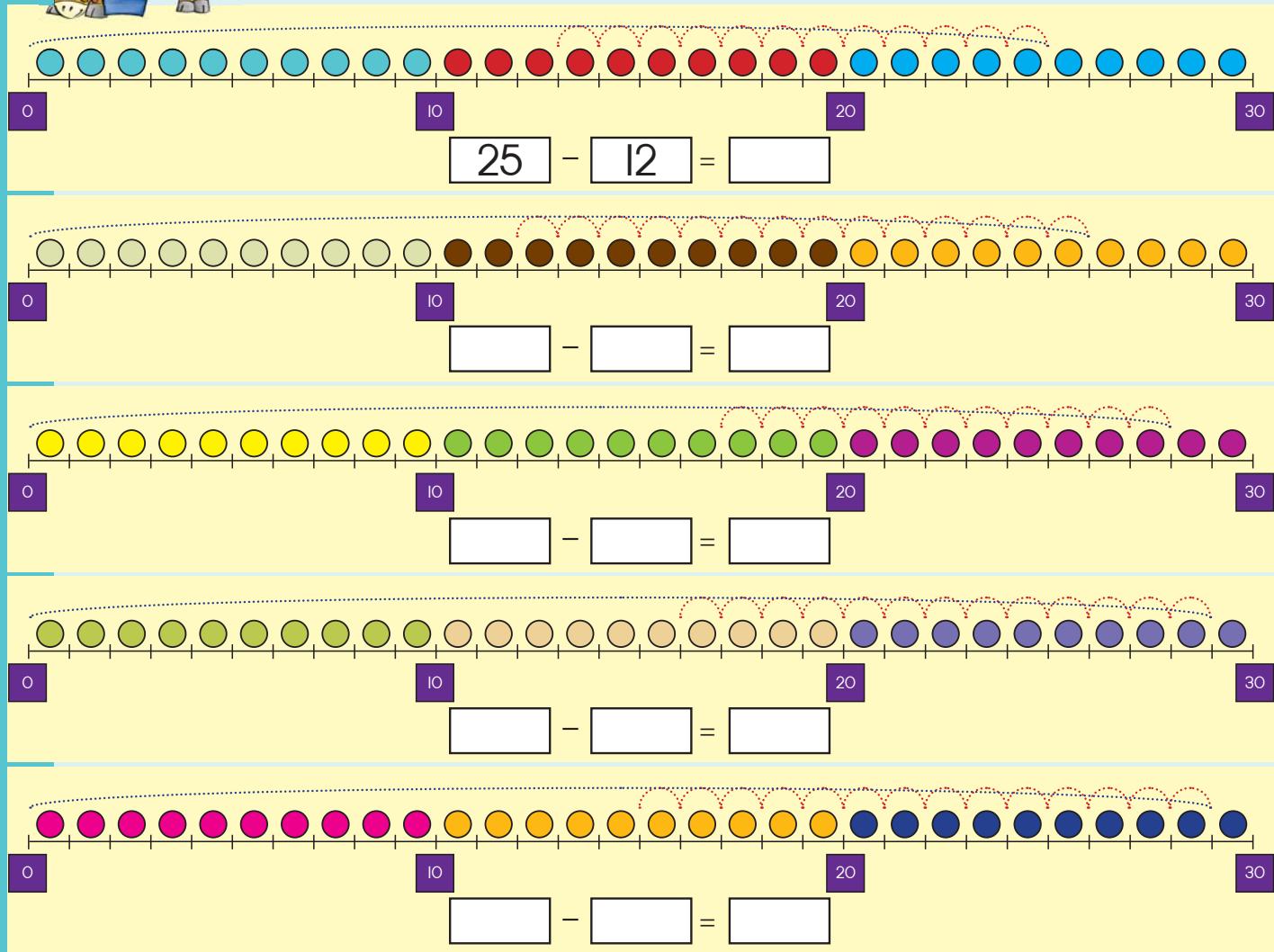
Ku susa kun'wana

Susa tinomboro ta le hansi eka tinomboro ta le henhla.

10	20	30	40
7	2	8	9
10	10	10	10
5	1	5	4
2			



Tirhisa ndzhati wa mitsengo. Tsala tinhlayo to susa.





$$45 - 23$$

$$\begin{aligned}
 &= \boxed{4} \ \boxed{0} \quad \boxed{5} \ - \ \boxed{2} \ \boxed{0} \quad \boxed{3} \\
 &= \boxed{4} \ \boxed{0} \ - \ \boxed{2} \ \boxed{0} \ + \ \boxed{5} \ - \ \boxed{3} \\
 &= \boxed{2} \ \boxed{0} \ + \ \boxed{2} \\
 &= \boxed{2} \ \boxed{2}
 \end{aligned}$$

$$38 - 16$$

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

$$29 - 14$$

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

$$48 - 11$$

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

$$35 - 23$$

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

$$38 - 15$$

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



Teacher:

Sign:

Date:

42b

Kotara ya 2



Siku:

Ku susa kun'wana nakambe

Susa kutani u tsala nhlamulo ya wena ebokisini leri nga riki na nchumu.

$$22 - 10 = \boxed{}$$



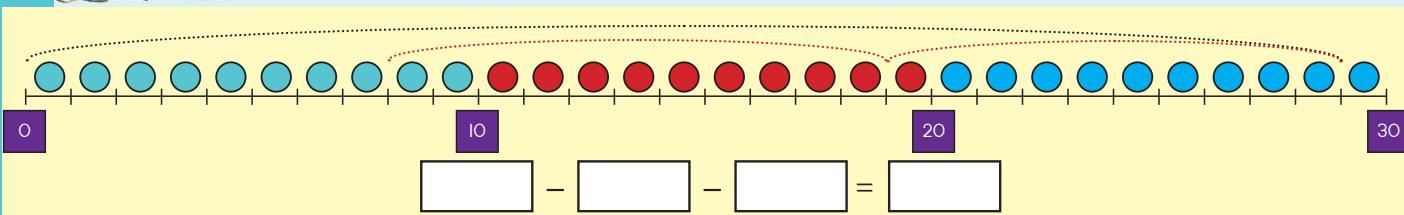
$$25 - 10 = \boxed{}$$



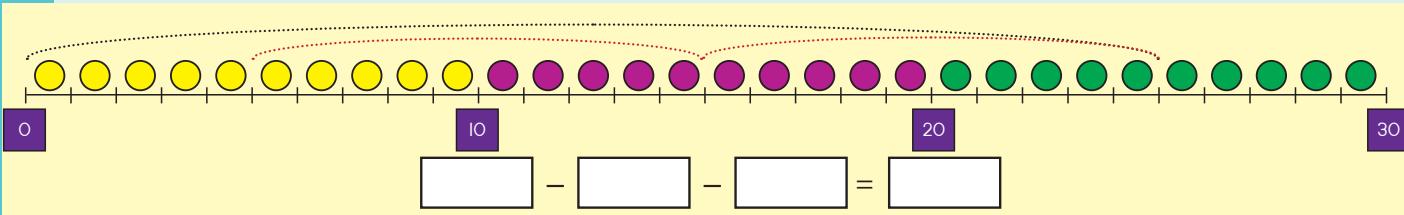
$$29 - 10 = \boxed{}$$



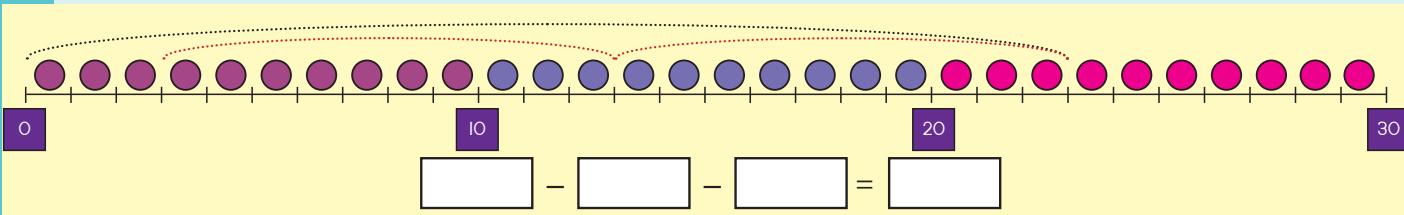
Hetisa tinhlayo to susa.



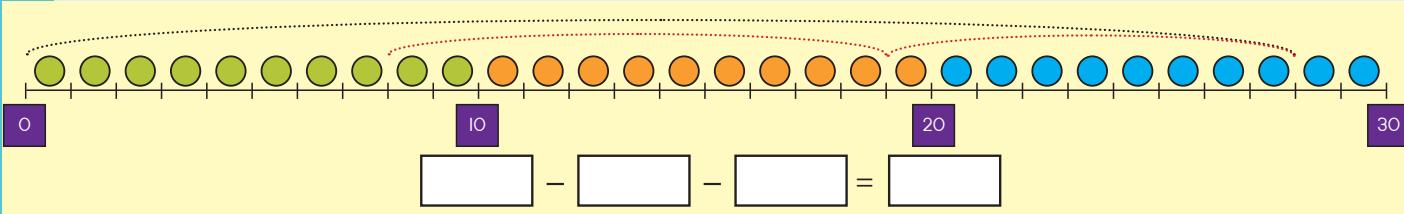
$$\boxed{} - \boxed{} - \boxed{} = \boxed{}$$



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



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



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



Hetisa.

$$46 - 13 = \boxed{}$$

$$49 - 23 = \boxed{}$$

$$38 - 14 = \boxed{}$$

$$27 - 16 = \boxed{}$$

$$25 - 11 = \boxed{}$$

$$46 - 32 = \boxed{}$$



Susa.

$$21 - 10 = \boxed{}$$

$$43 - 10 = \boxed{}$$

$$16 - 10 = \boxed{}$$

$$28 - 10 = \boxed{}$$

$$27 - 10 = \boxed{}$$

$$22 - 10 = \boxed{}$$

$$34 - 10 = \boxed{}$$

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

$$45 - 10 = \boxed{}$$

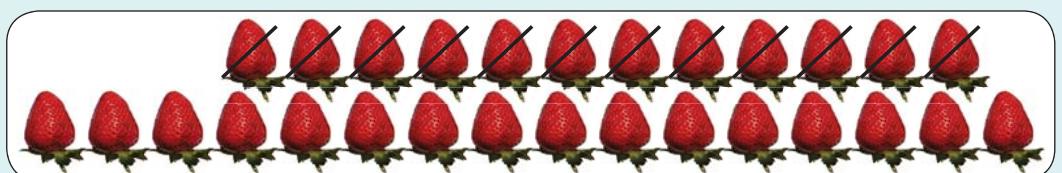


Ku hambana exikarhi ka 35 na 20 i ? Dirowa xifaniso ku kombisa nhlamulo ya wena.

$$35 - 20 = \boxed{}$$



Endla ntsengo wa wena wa marito hi
ku tirhisa swifaniso.



Teacher:

Sign:

Date:

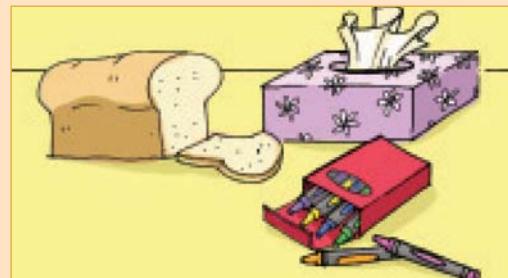


Siku:

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?



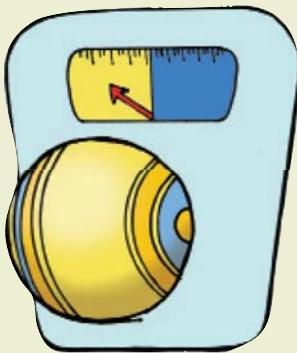
Damarheta kumbe u dirowa swifaniso swa:

Swilo swo tika

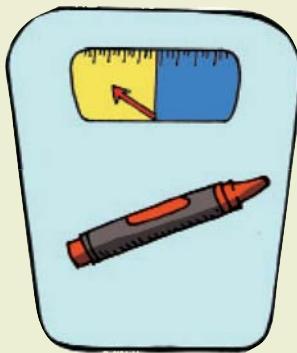
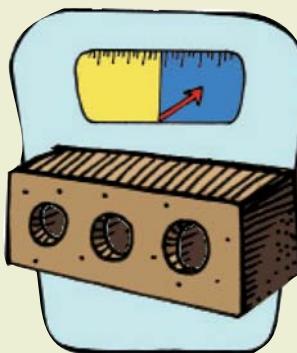
Swilo swo vevuka



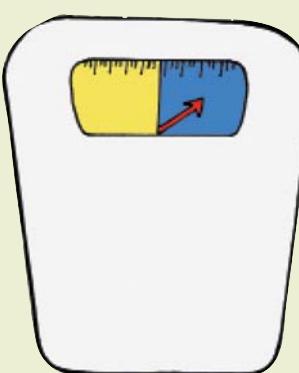
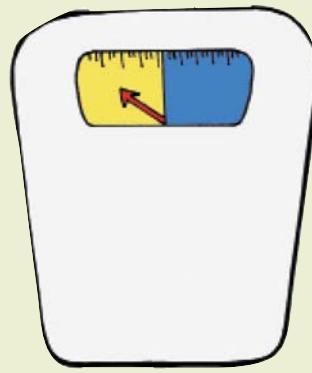
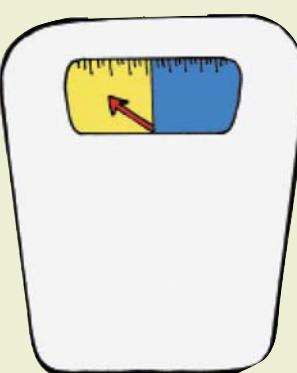
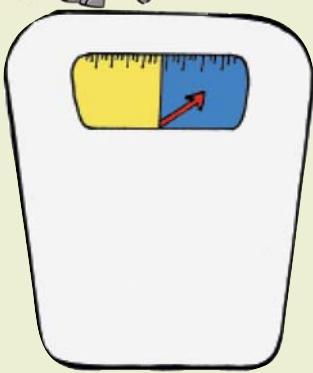
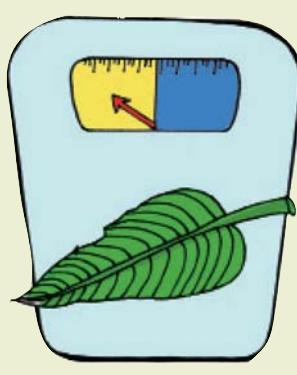
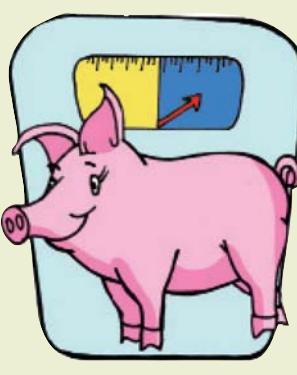
Loko nseve wo tshwuka wu langute eka tlhelo ra xitshopana, swi vula leswaku nchumu wa vevuka kasi loko wu langute eka tlhelo ra wasi, swi vula leswaku nchumu wolowo wa tika.



vevuka



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



Teacher:

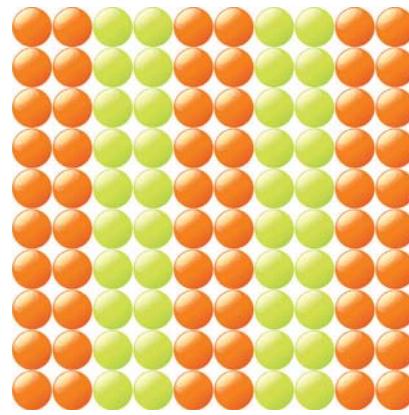
Sign:

Date:



Tipatironi ta tinomboro: Vumbirhi

A hi hlayeleni hi vumbirhi.



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

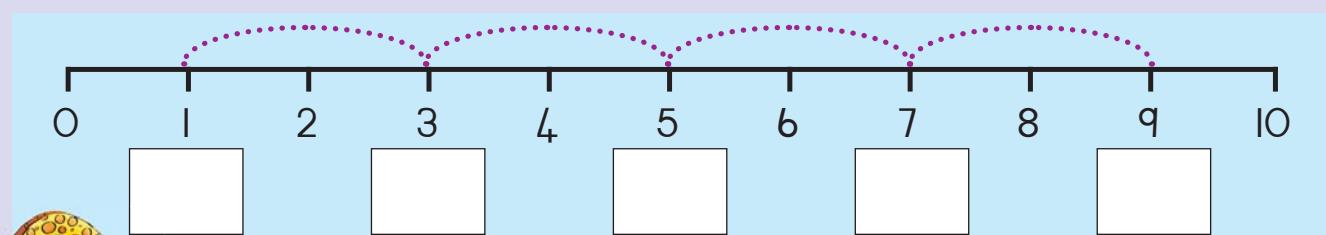
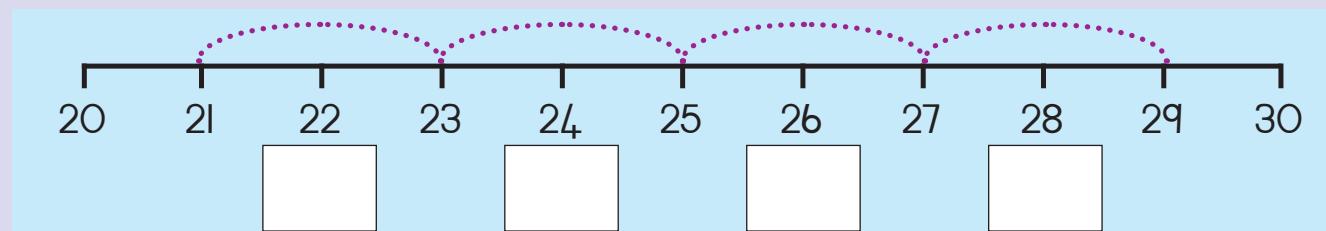
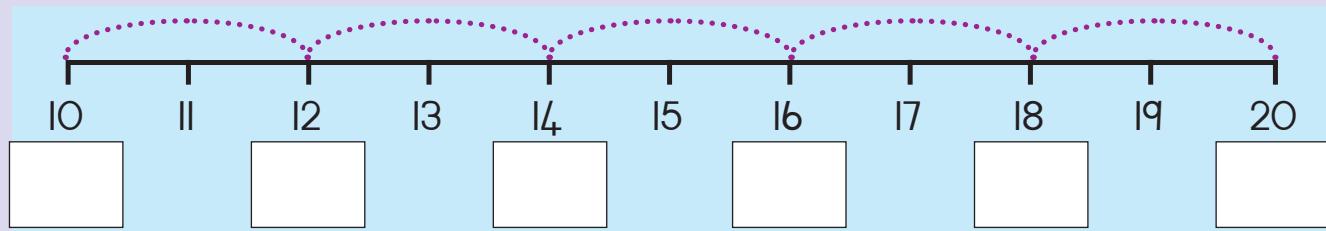
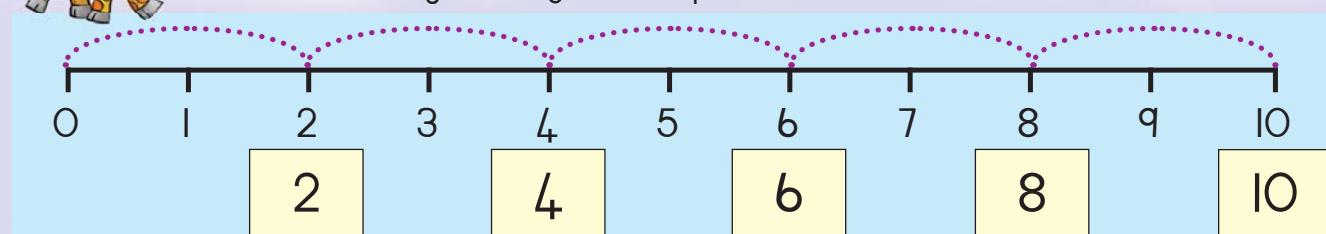


Hi sungule patironi. Yi hetise.

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



Tirhisa mindzhati ya mitsengo ku tsala patironi.



Hetisa leswi landzelaka.

2, 4, 6, __, __, __

62, 64, 66, __, __, __

44, 46, 48, __, __, __

1, 3, 5, __, __, __

13, 15, 17, __, __, __

55, 57, 59, __, __, __

10, 8, 6, __, __, __

98, 96, 94, __, __, __

26, 24, 22, __, __, __

11, 9, 7, __, __, __

29, 27, 25, __, __, __

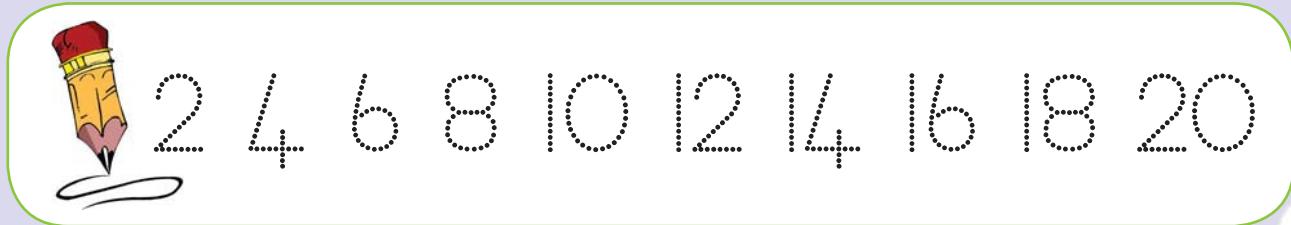
95, 93, 91, __, __, __



Teacher:

Sign:

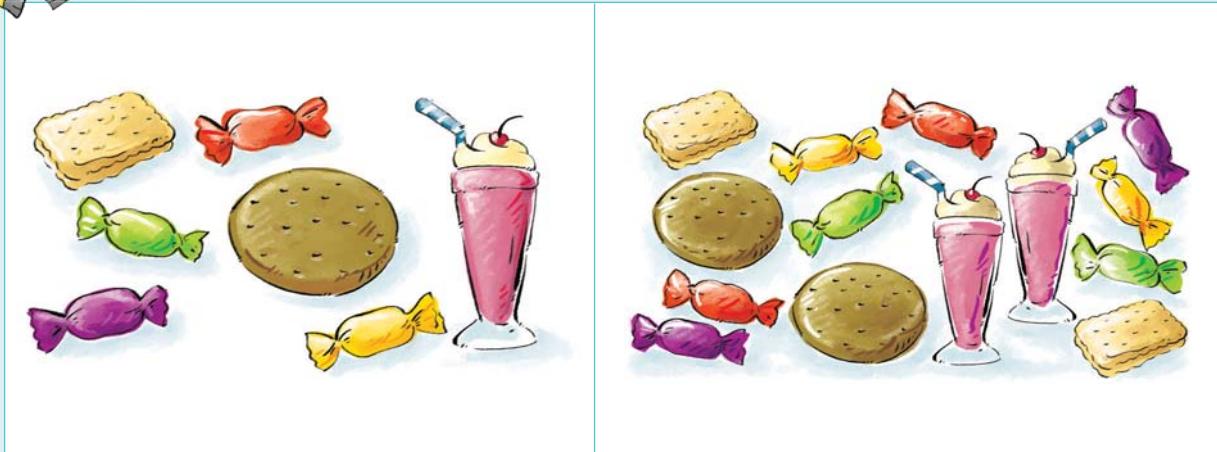
Date:





Ku andzisa kambirhi

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

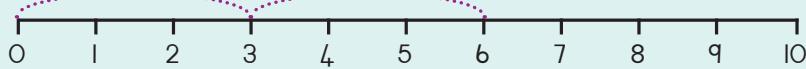


Hlanganisa mathonsi kutani u tsala ntsengo wa man'wana na man'wana.

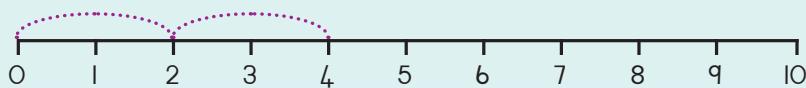
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input type="text"/> = <input type="text"/>
		<input type="text"/> + <input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



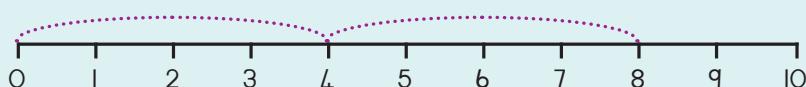
Tirhisa mindzhati ya mitsengo ku tsala ntsengo.



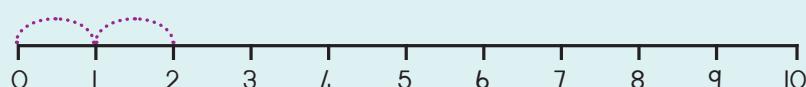
$$\boxed{} + \boxed{} = \boxed{}$$



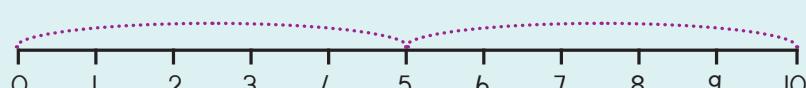
$$\boxed{} + \boxed{} = \boxed{}$$



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



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



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



Andzisa kambirhi leswi landzelaka.

1 kambirhi

$$\boxed{1} + \boxed{1} = \boxed{2}$$

$$\boxed{2} \times \boxed{1} = \boxed{2}$$

2 kambirhi

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

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

3 kambirhi

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

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

4 kambirhi

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

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

5 kambirhi

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

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



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



Teacher:

Sign:

Date:

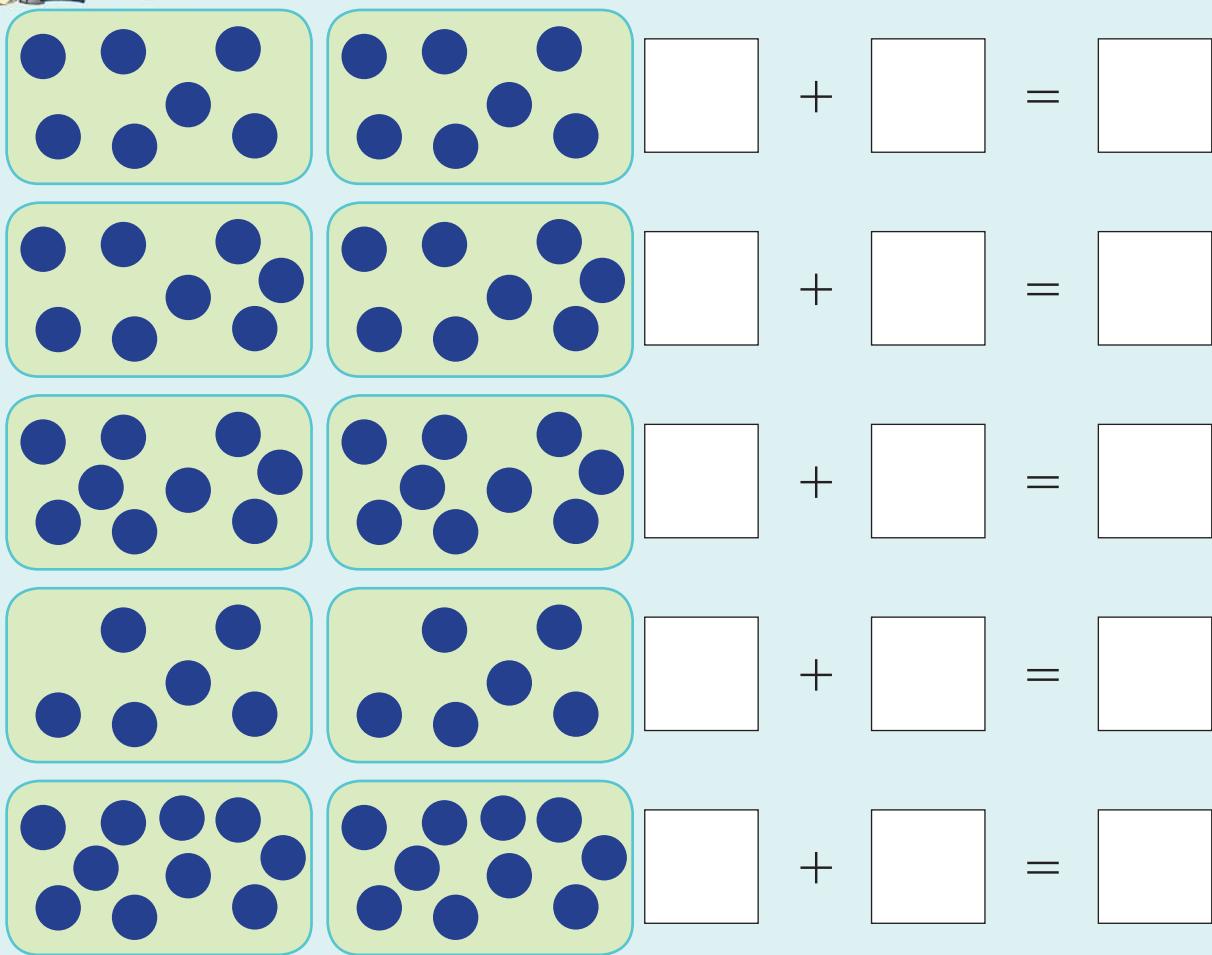


Andzisa kambirhi nakambe

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

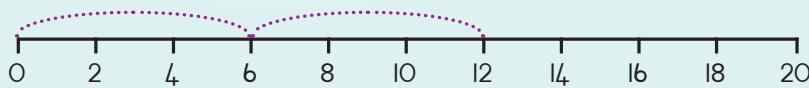


Hlanganisa mathonsi kutani u tsala ntsengo wa man'wana na man'wana.

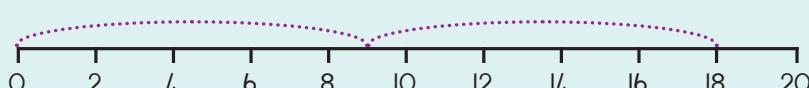




Tirhisa mindzhati ya mitsengo ku tsala nhlayo.



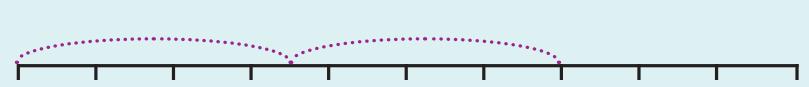
$\boxed{} + \boxed{} = \boxed{}$



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



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



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



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



Andzisa kambirhi leswi landzelaka.

Ku andzisa 6 kambirhi

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

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

Ku andzisa 7 kambirhi

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

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

Ku andzisa 8 kambirhi

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

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

Ku andzisa 9 kambirhi

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

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

Ku andzisa 10 kambirhi

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

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



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



Teacher:

Sign:

Date:

47

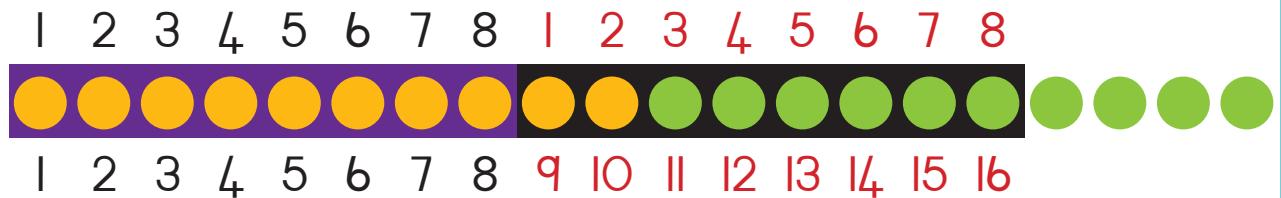
Kotara ya 2



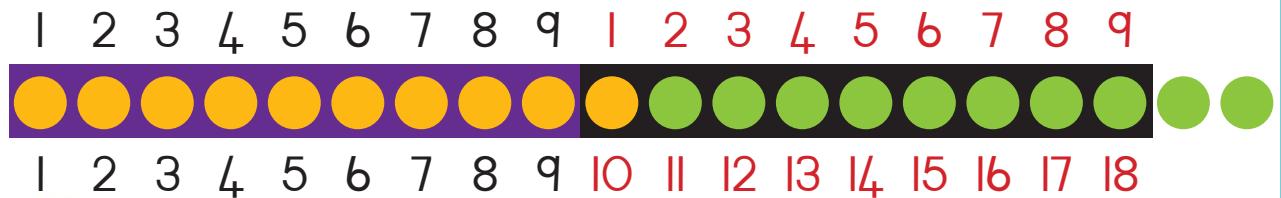
Siku:

Andzisa kambirhi

Ku andzisa 8 kambirhi



Ku andzisa 9 kambirhi



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

Ku andzisa 5 kambirhi



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

Ku andzisa 6 kambirhi



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

Ku andzisa 7 kambirhi



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

Ku andzisa 8 kambirhi



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

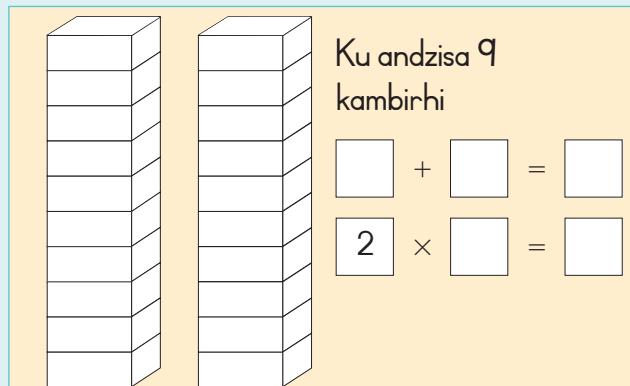
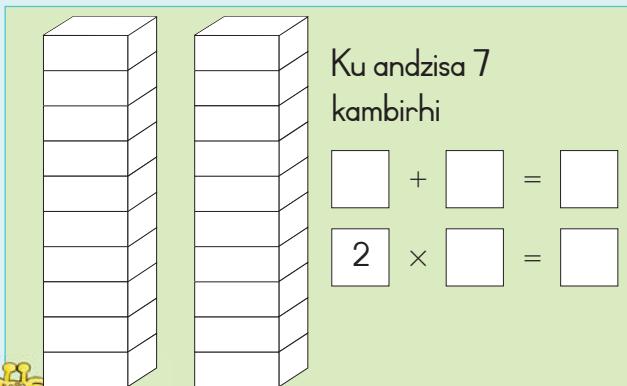
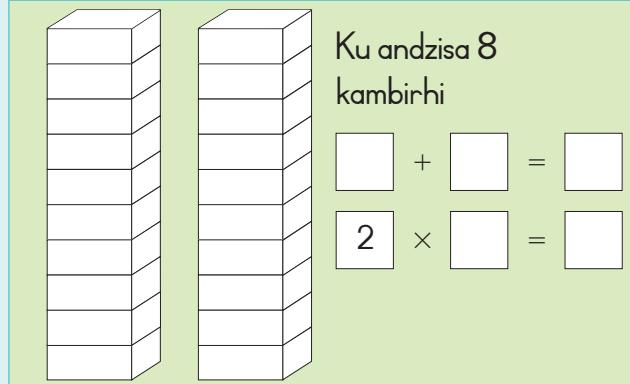
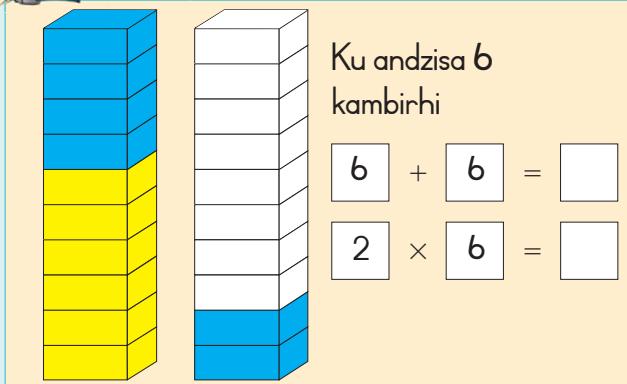
Ku andzisa 9 kambirhi



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



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



Andzisa kambirhi leswi landzelaka.

Ku andzisa 7 kambirhi

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

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

Ku andzisa 9 kambirhi

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

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

Ku andzisa 6 kambirhi

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

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

Ku andzisa 8 kambirhi

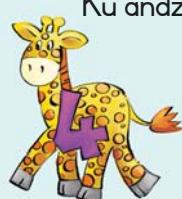
$$\boxed{} + \boxed{} = \boxed{}$$

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

Ku andzisa 10 kambirhi

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

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



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



Teacher:

Sign:

Date:



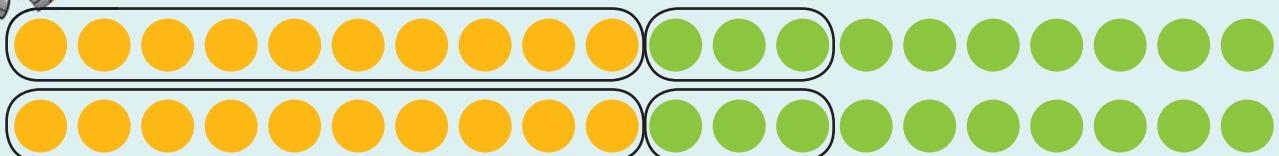
Ku andzisa kambirhi kun'wana

Ku andzisa 12 kambirhi



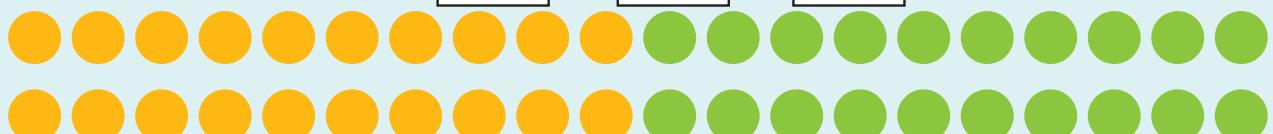
Tirhisa vuhlalu ku andzisa tinomboro kambirhi. Hi ku endlele yo sungula.

Ku andzisa 13 kambirhi



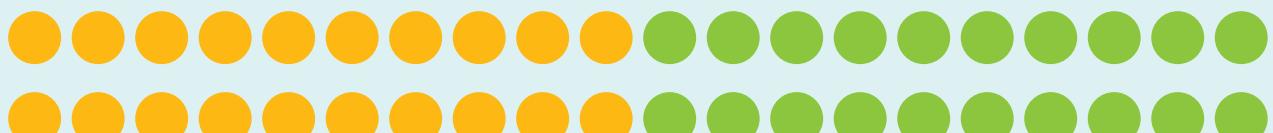
Ku andzisa 15 kambirhi

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



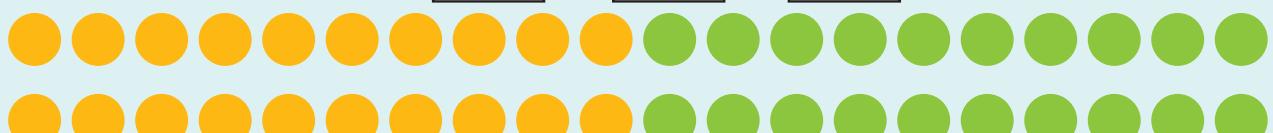
Ku andzisa 14 kambirhi

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



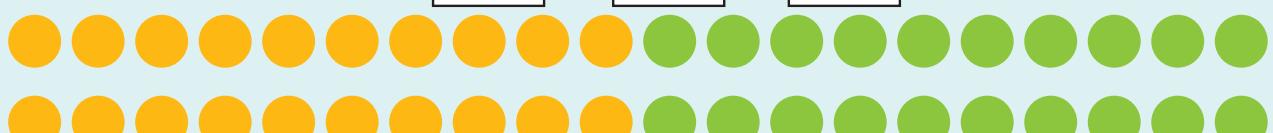
Ku andzisa 11 kambirhi

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



Ku andzisa 16 kambirhi

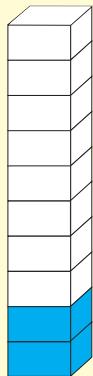
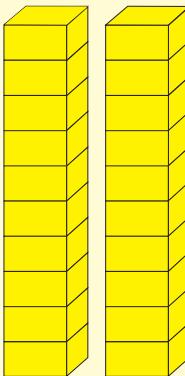
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



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



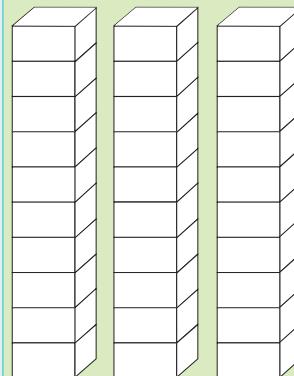
Ku andzisa tinomboro kambirhi. Khalara tibuloko ku kombisa nhlamulo ya wena.



Ku andzisa I2
kambirhi

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

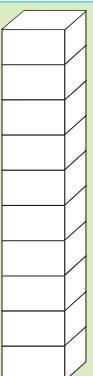
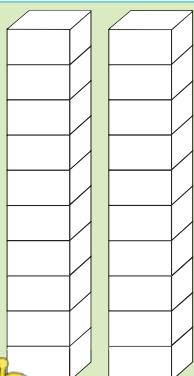
$$2 \times \boxed{II} = \boxed{\quad}$$



Ku andzisa I3
kambirhi

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

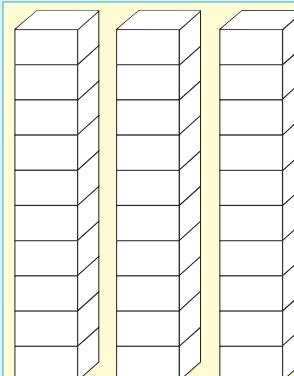
$$2 \times \boxed{\quad} = \boxed{\quad}$$



Ku andzisa I4
kambirhi

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

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



Ku andzisa I5
kambirhi

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

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



Andzisa kambirhi leswi landzelaka.

Ku andzisa II kambirhi

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

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

Ku andzisa I3 kambirhi

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

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

Ku andzisa I6 kambirhi

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

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

Ku andzisa I7 kambirhi

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

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

Ku andzisa I9 kambirhi

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

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



Ndzi peletile I4 wa marito hi ndlela leyi faneleke. Muhluri u kumile nhlayo leyi hi kambirhi.



Teacher:

Sign:

Date:

49

Kotara ya 2

Siku:

Swibye swo chela na vundzeni



Bula hi swibye swo chela leswi nga emadesiken.



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 khalara leswi nga endzeni ka swona ku kombisa:

Xi hava nchumu

Xi tele

Xi hava nchumu

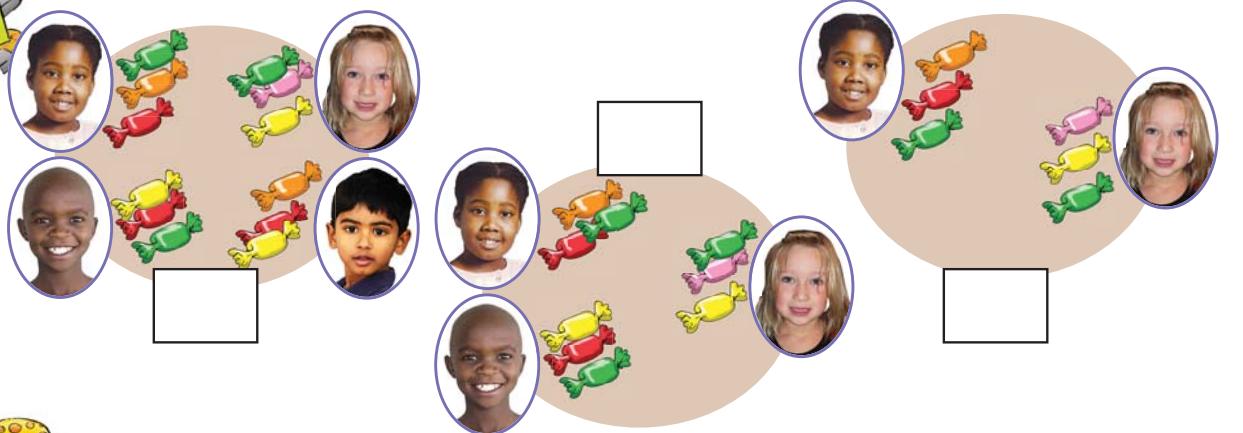
Xi tele



Teacher:
Sign:
Date:

Ku andzisa: $\times 3$ 

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



Hetisa leswi landzelaka:



$$2 \text{ wa mintlawa ya } 3 \quad \boxed{3} + \boxed{3} =$$

$$2 \times 3 = \boxed{}$$



$$5 \text{ wa mintlawa ya } 3 \quad \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} =$$

$$5 \times 3 = \boxed{}$$



$$4 \text{ wa mintlawa ya } 3 \quad \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} =$$

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



$$6 \text{ wa mintlawa ya } 6 \quad \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} =$$

$$6 \times 3 = \boxed{}$$



$$7 \text{ wa mintlawa ya } 3 \quad \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} =$$

$$7 \times 3 = \boxed{}$$



Endla xifaniso xa leswi landzelaka.

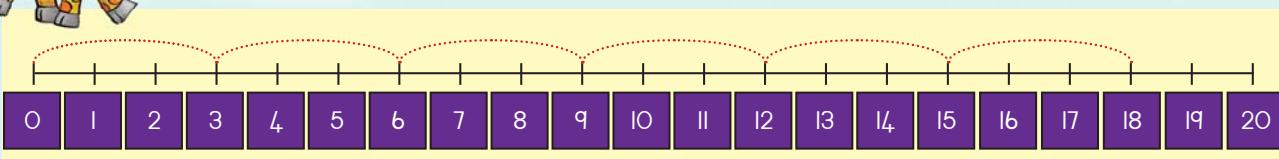
3 wa mintlawa ya 3

4 wa mintlawa ya 3

5 wa mintlawa ya 3



Dirowa xifaniso xa leswi landzelaka.



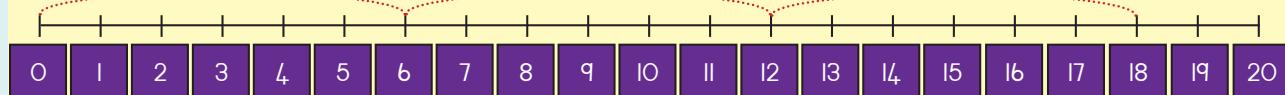
3, 6, 9, 12, ___, ___

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

$$6 \text{ wa mintlawa ya } \boxed{\quad} = \boxed{\quad}$$

$$6 \times 3 = \boxed{\quad}$$

Xifaniso



6, ___, ___

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

$$3 \text{ wa mintlawa ya } \boxed{\quad} = \boxed{\quad}$$

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

Xifaniso



Poto ro sweka ri na milenge minharhu.

Xana 7 wa mapoto yo sweka ya na milenge
yingani?



Teacher:

Sign:

Date:

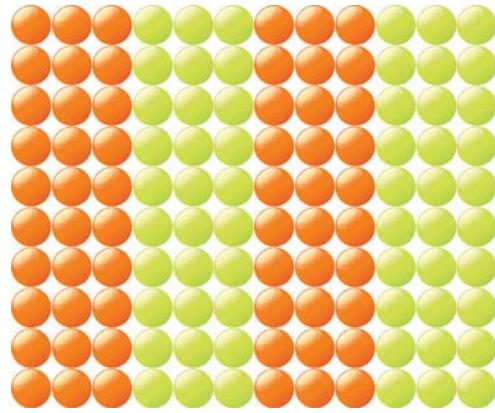


3 6 9 12 15 18
21 24 27 30 33



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.

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



Tirhisa ndzhati wa mitsengo ku tsala patironi.

0 1 2 3 4 5 6 7 8 9 10

3

6

9

21 22 24 25 27 28 30

31 32 34 35 37 38 40

61 62 64 65 67 68 70



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 10 wa tithirayisekele ekhireche.
Xana ku na mavhilwa mangani ya tithirayisekele?

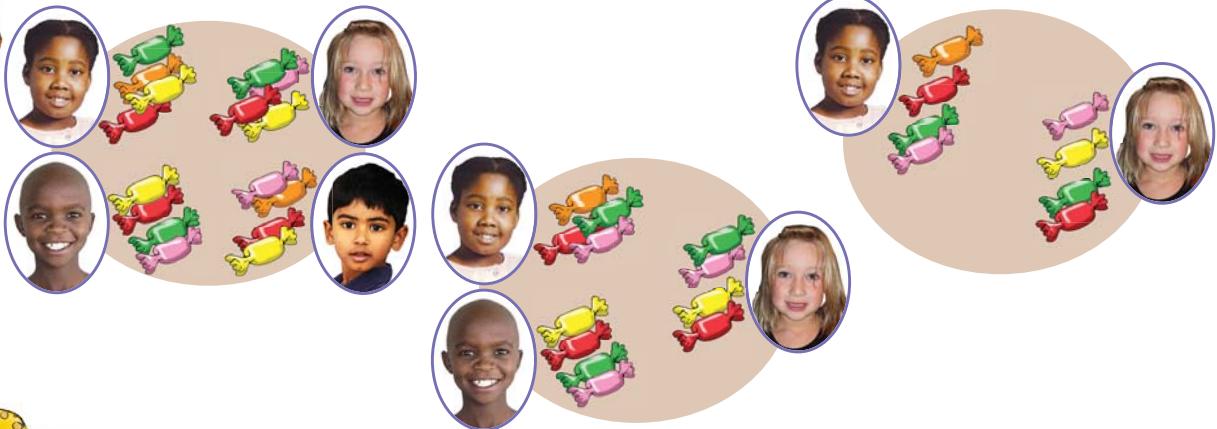
Teacher:

Sign:

Date:

Ku andzisa: $\times 4$ 

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



Hetisa leswi landzelaka.



$$3 \text{ wa mintlawa ya } 4 \quad \boxed{4} + \boxed{4} + \boxed{4} =$$

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



$$2 \text{ wa mintlawa ya } 4 \quad \boxed{4} + \boxed{4} =$$

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



$$4 \text{ wa mintlawa ya } 4 \quad \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} =$$

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



$$6 \text{ wa mintlawa ya } 4 \quad \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} =$$

$$6 \times \boxed{4} = \boxed{}$$



$$7 \text{ wa mintlawa ya } 4 \quad \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} =$$

$$7 \times \boxed{4} = \boxed{}$$



Dirowa xifaniso xa leswi landzelaka:

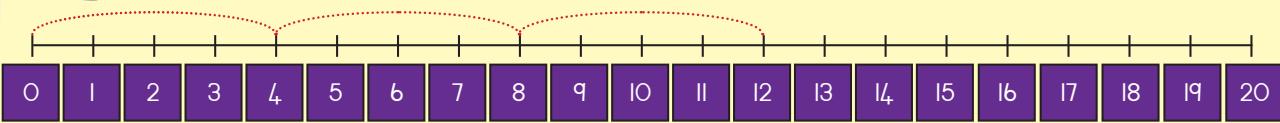
3 wa mintlawa ya 4

4 wa mintlawa ya 4

5 wa mintlawa ya 4



Dirowa xifaniso xa leswi landzelaka.



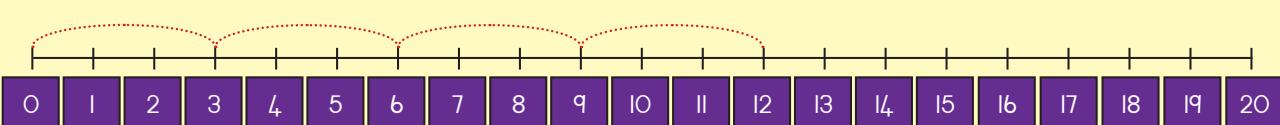
4, 8, ___

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

$$3 \text{ wa mintlawa ya } 4 = \boxed{\quad}$$

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

Xifaniso



3, 6, 9, ___

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

$$4 \text{ wa mintlawa ya } \boxed{\quad} = \boxed{\quad}$$

$$4 \times \boxed{\quad} = \boxed{\quad}$$

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:

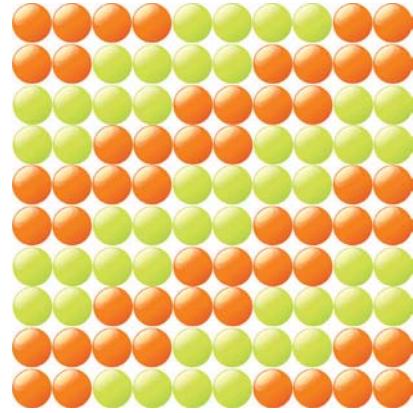
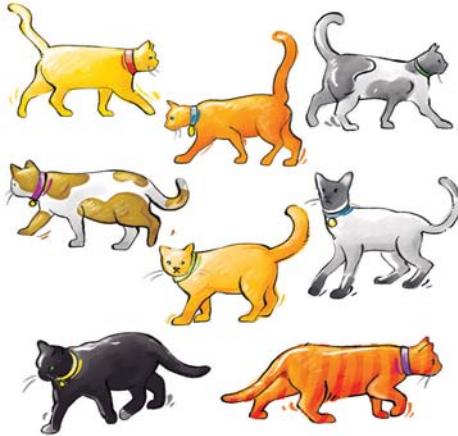
Sign:

Date:



Tipatironi ta tinomboro: Vumune

A hi hlayeleni hi vumune.



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

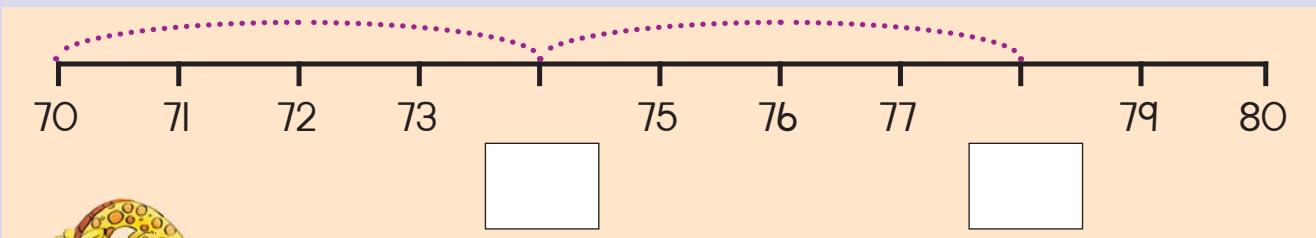
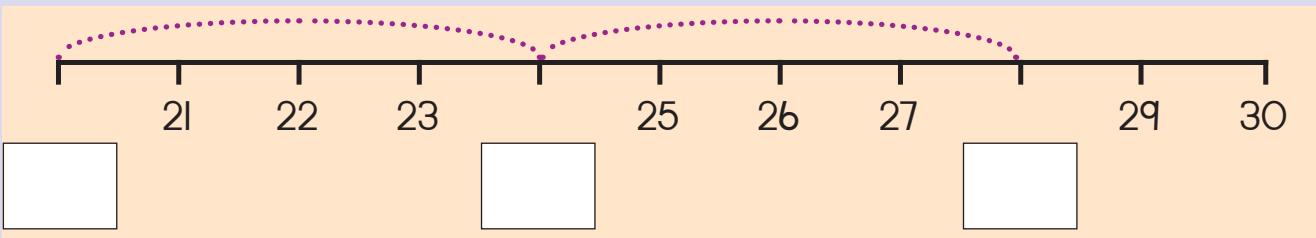
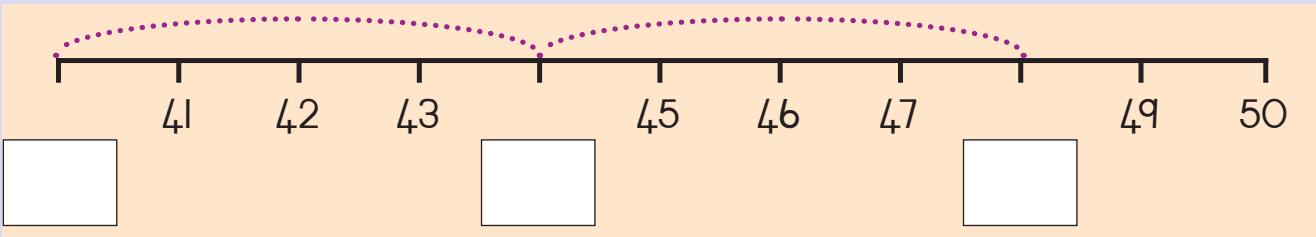
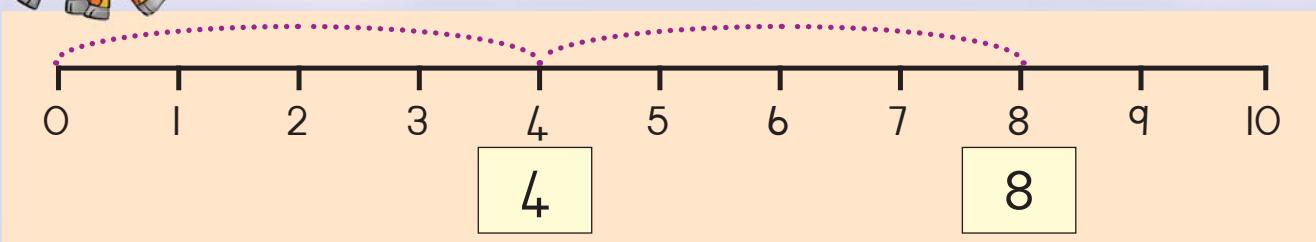


Hi sungule patironi. Yi hetise.

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



Tirhisa mindzhati ya mitsengo ku tsala patironi.



Hetisa leswi landzelaka.

$$4, 8, 12, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

$$28, 32, 36, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

$$12, 16, 20, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

$$1, 5, 9, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

$$42, 46, 50, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

$$20, 16, 12, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

$$48, 44, 40, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

$$60, 56, 52, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

$$70, 66, 62, \underline{\quad}, \underline{\quad}, \underline{\quad}$$



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

Teacher:

Sign:

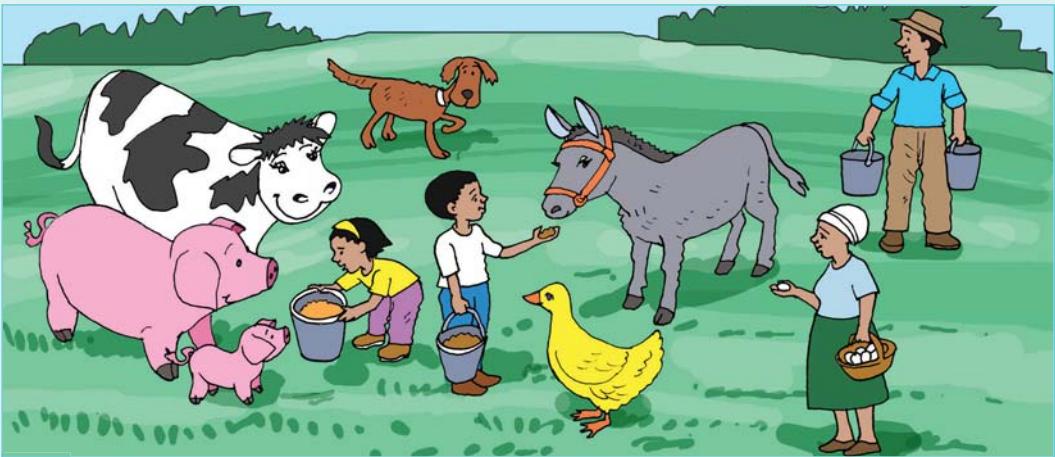
Date:



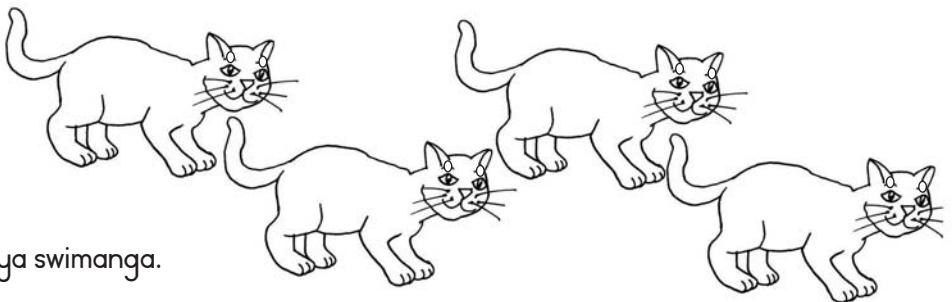
Siku:

Switori swo andzisa swin'wana

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

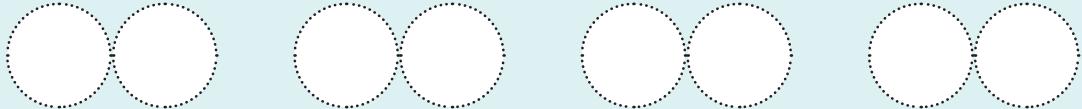


Ximanga xi na 2 wa mahlo. Xana 4 wa swimanga swi na mahlo mangani?

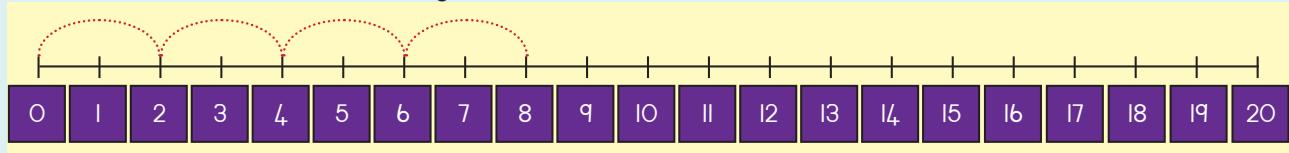


Khalara mahlo ya swimanga.

Ya kombise hi swihlayelo.



Ya kombise eka ndzhati wa mitsengo.



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

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

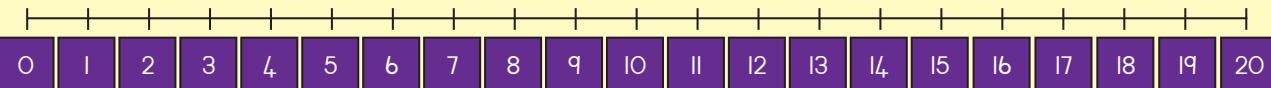


Swikanyakanya swa thirayisekele swi na 3 wa mavhilwa.
Xana 5 wa swikanyakanya swi na mavhilwa mangani?

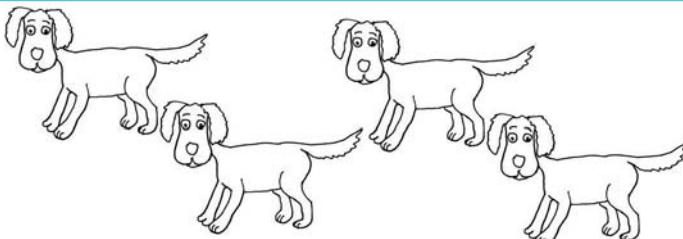


Khalara mavhilwa ya swikanyakanya.

Ya kombise hi swihlayelo.



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

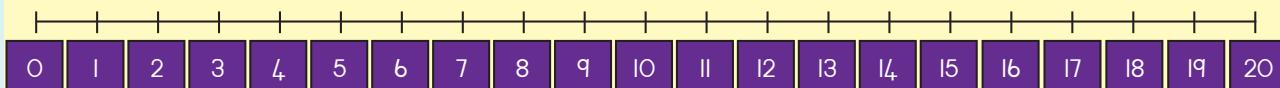


Khalara milenge ya timbyana.

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.

Tiwawa



Rimhondzo ro koma ra wachi ri hi kombisa tiawara.

Laha ni kombisa 7 wa tiawara.

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



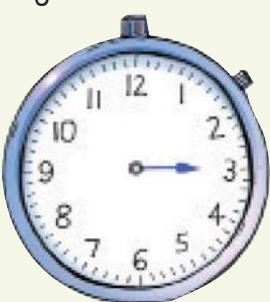
Xana rimhondzo ro koma ri hi kombisa yini?



awa



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara

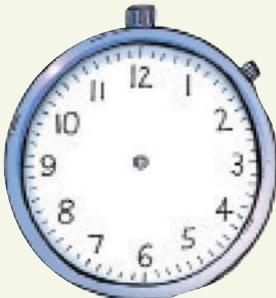


wa tiawara

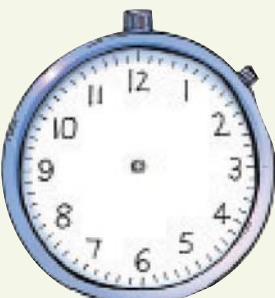


Dirowa rimhondzo ro koma.

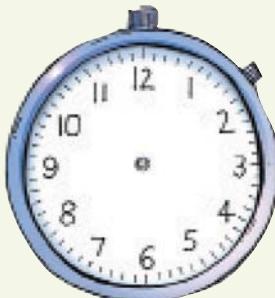
4 wa tiawara



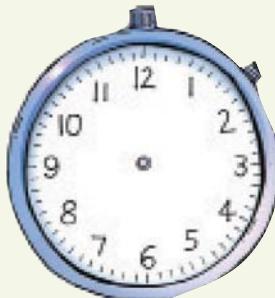
1 awara



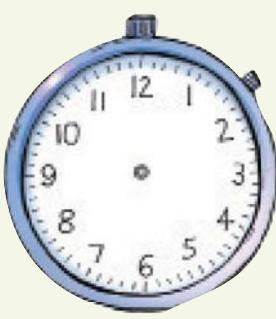
11 wa tiawara



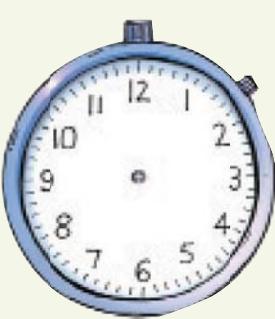
7 wa tiawara



9 wa tiawara



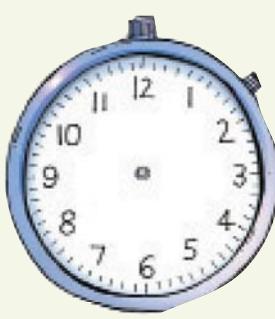
10 wa tiawara



2 wa tiawara



5 wa tiawara



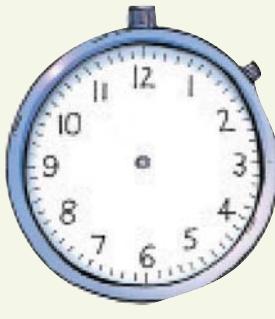
3 wa tiawara



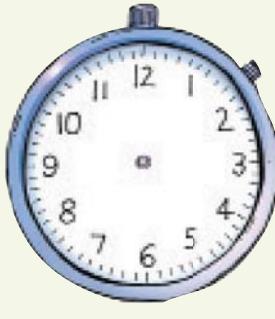
6 wa tiawara



8 wa tiawara



12 wa tiawara



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



Ku endla ntirhokaya



Ku etlala



Ku buracha meno



Teacher:

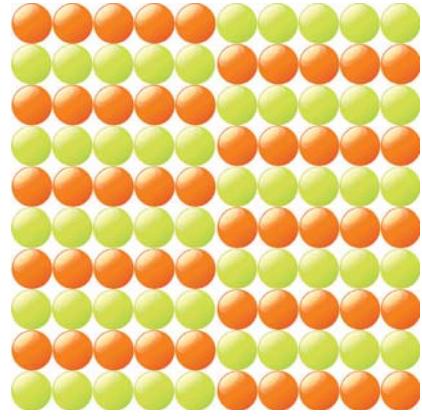
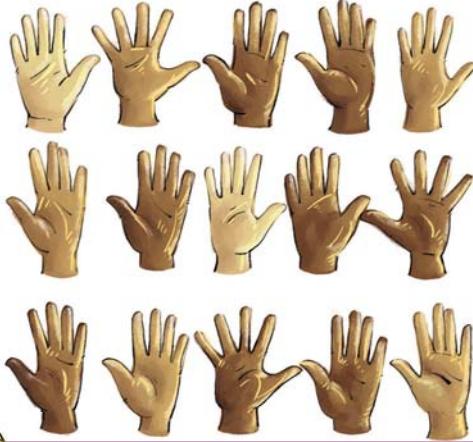
Sign:

Date:



Tipatironi ta tinomboro: Vuntlhanu

A hi hlayeleni hi vutlhanu.



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

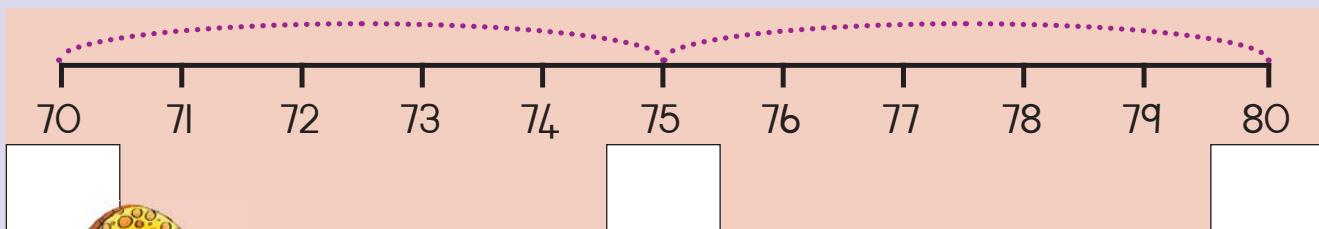
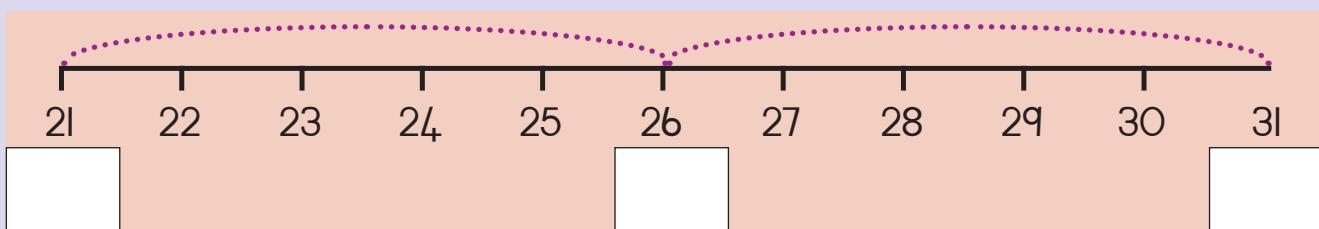
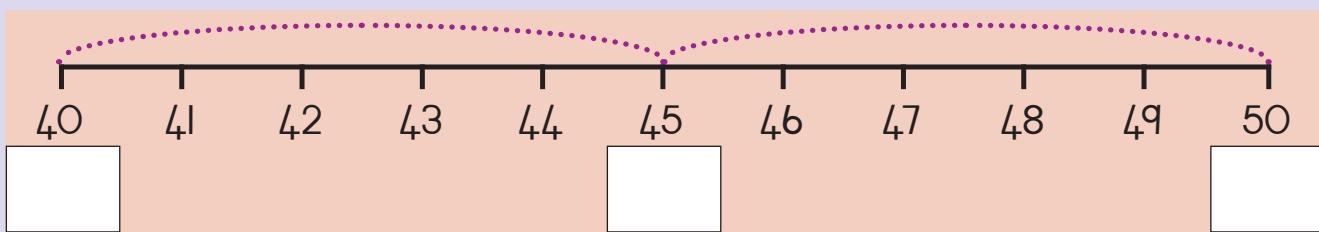
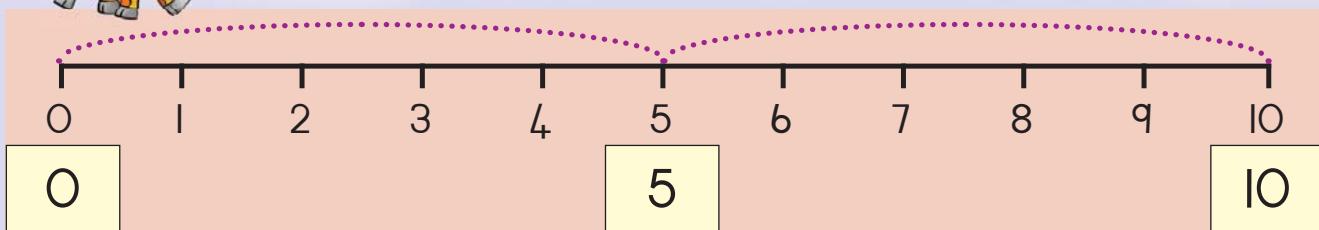


Hi sungule patironi. Yi hetise.

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	100



Tirhisia mindzhati ya mitsengo ku tsala patironi.



Hetisa leswi landzelaka.

5, 10, 15, ___, ___, ___

20, 25, 30, ___, ___, ___

30, 35, 40, , ,

I, II, III, _____, _____, _____

23, 28, 33, ___, ___, ___

25, 20, 15, , ,

$$50, 45, 40, \underline{\quad}, \underline{\quad}, \underline{\quad}$$

60, 55, 50, ___, ___, ___

54, 49, 44, , ,



5 10 15 20 25 30 35 40 45 50

二

Sign:

Date:

57a

Kotara ya 2

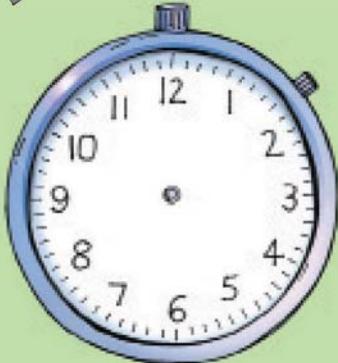


Siku:

Timinete



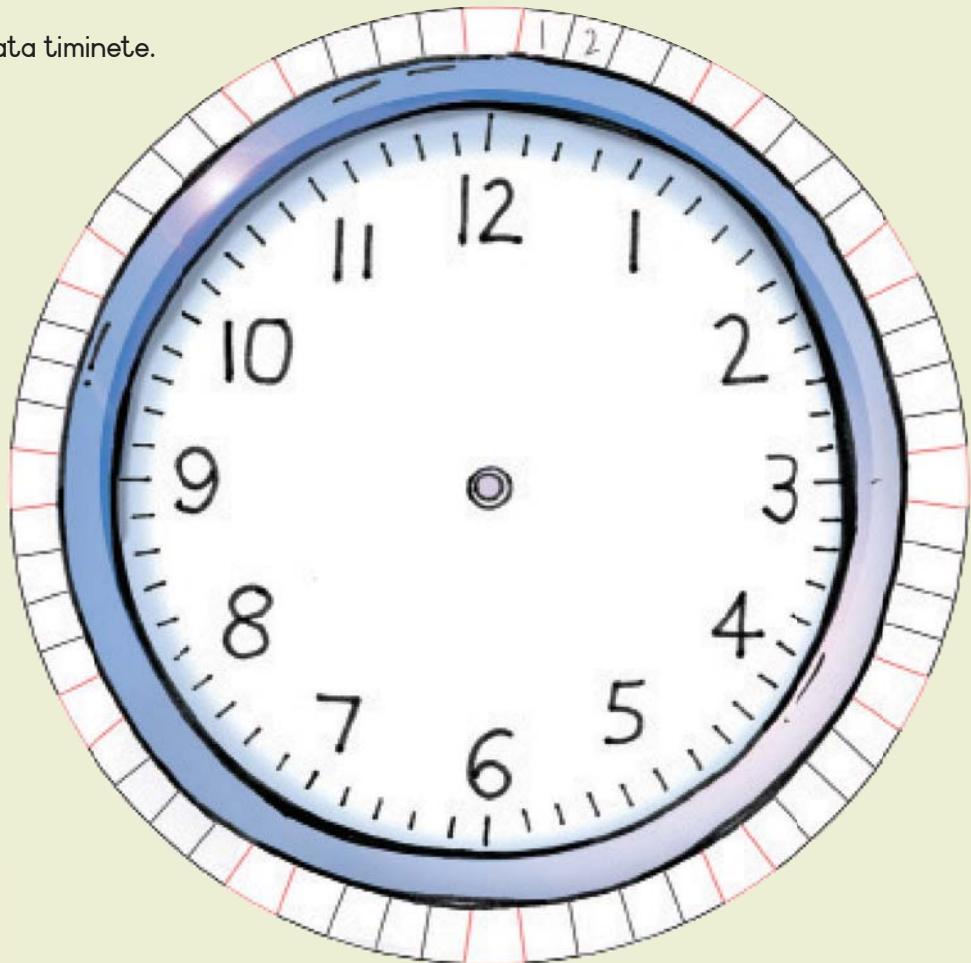
Xana hi yi tirhisa njhani mintila yo koma ya ntima enghoheni ya wachi?



Ehleketa 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 pfunu.



1 minete

5 wa timinete

30 wa timinete

60 wa timinete



Teacher:

Sign:

Date:

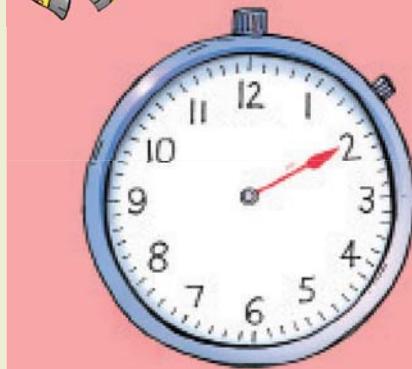


Siku:



Bulani hi wachi.

Swin'wana hi timinete



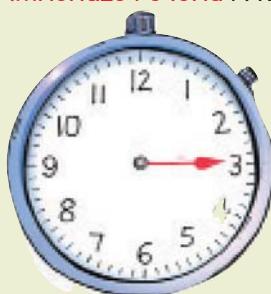
Rimhondzo ro leha ra wachi ri hi kombisa timinete.
Laha ri kombisa **10** wa timinete.

Rimhondzo ewachini ra rhendzeleka
rhendzeleka.

Rimhondzo ewachini ri rhendzeleka ku hi
hlamusela nkarhi.



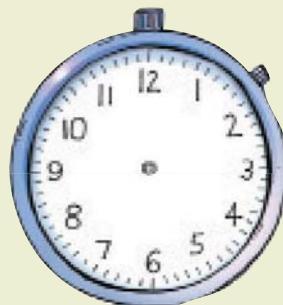
Xana rimhondzo ro leha ri kombisa yini?

 wa timinete wa timinete wa timinete wa timinete wa timinete wa timinete

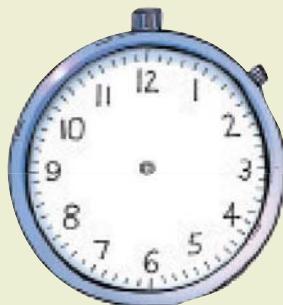


Dirowa rimhondzo
ro leha.

55 wa timinete



35 wa timinete



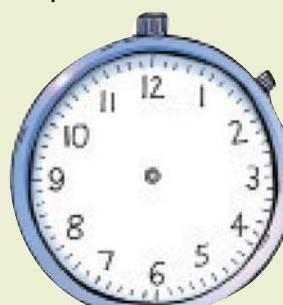
60 wa timinete



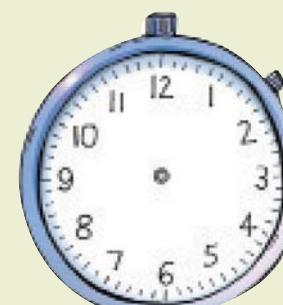
10 wa timinete



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



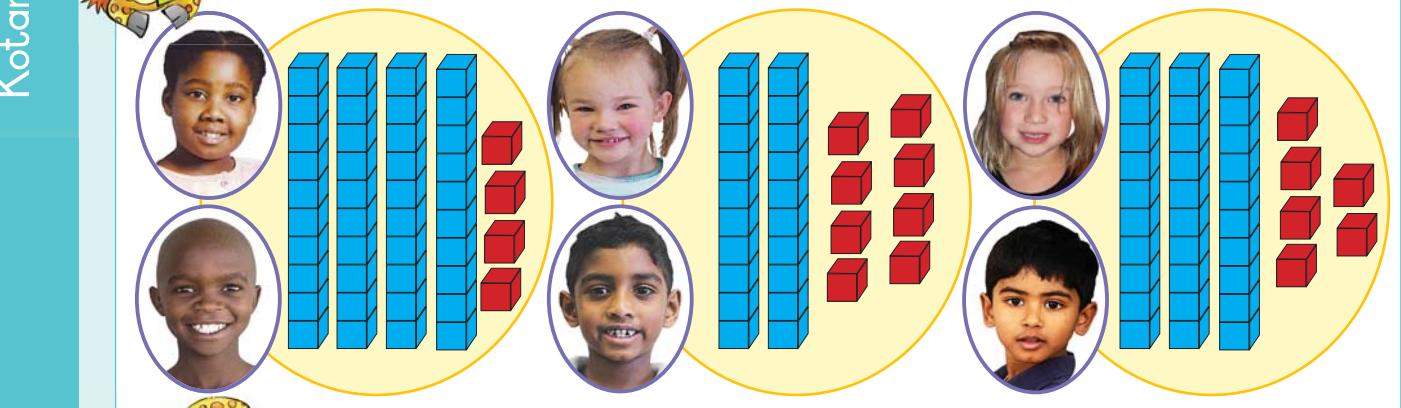
Ku dya



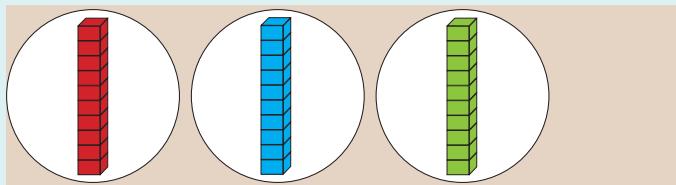
Teacher:

Sign:

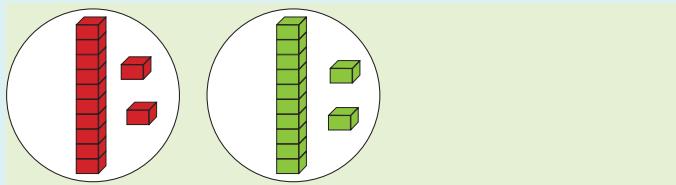
Date:



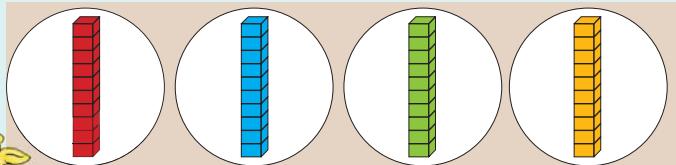
Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana?
Tsala ntsengo eka xirhendzevutana xa wasi.



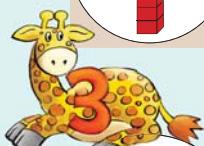
$$\square \times \square = \square$$



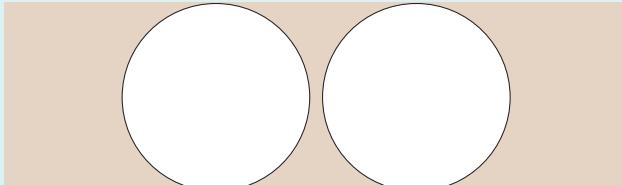
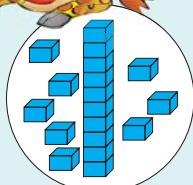
$$\square \times \square = \square$$



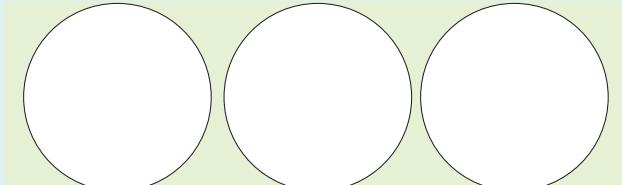
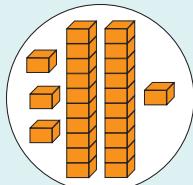
$$\square \times \square = \square$$



Ava tibuloko hi ku ringana exikarhi ka swirhendzevutana.



$$\square \text{ ti aviwa exikarhi } \square = \square$$



$$\square \text{ ti aviwa exikarhi } \square = \square$$



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

3 wa mintlawa ya 2

2 wa mintlawa ya 14



Nhlayo yo hlanganisa:



Nhlayo yo andzisa:



Nhlayo yo hlanganisa:



Nhlayo yo andzisa:

Ava swihlayelo swa 12 exikarhi ka 4.

Ava swihlayelo swa 36 exikarhi ka 3.



Nhlayo yo susa:



Nhlayo ya ku ava exikarhi ka
(ku avanyisa):



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:

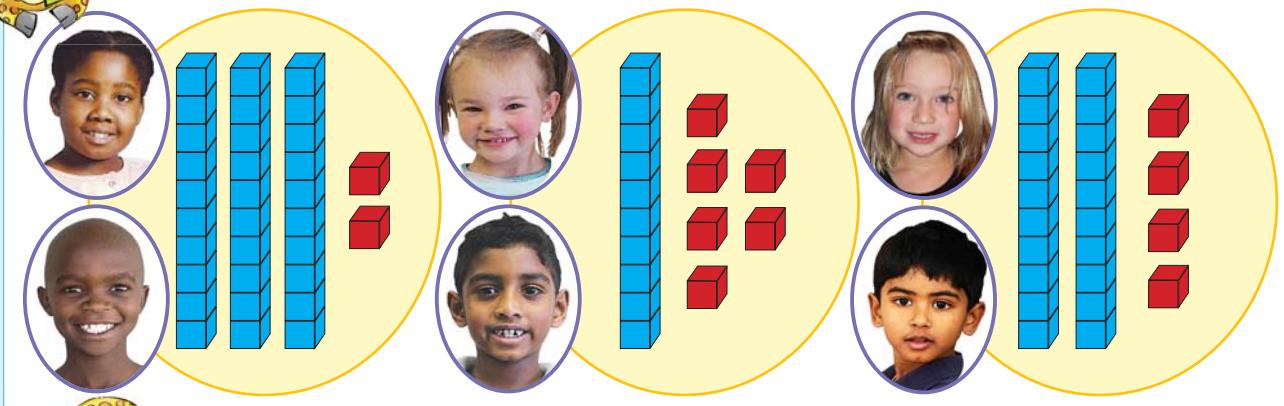
5q

Kotara ya 2

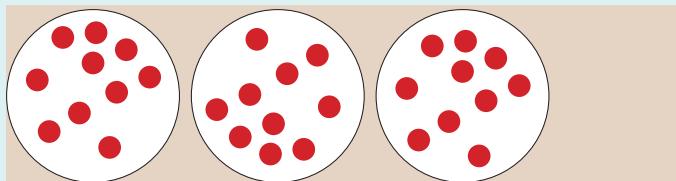


Ku vumba mitlawa yin'wana na ku avela

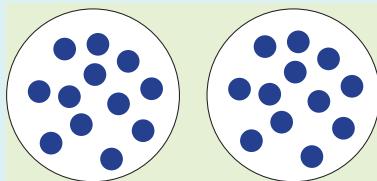
Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana? Ti ave hi ku ringana exikarhi ka vana.



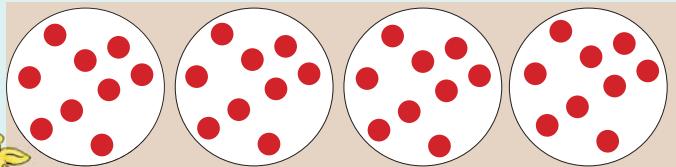
Xana ku na swihlayelo swingani eka xirhendzevutana xin'wana na xin'wana?
Tsala ntsengo eka xirhendzevutana xa wasi.



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



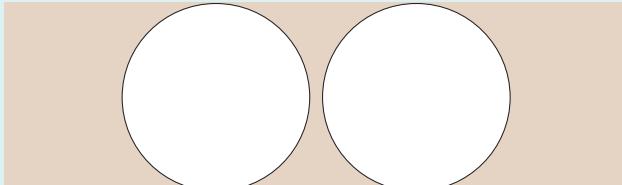
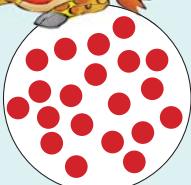
$$\square \times \square = \square$$



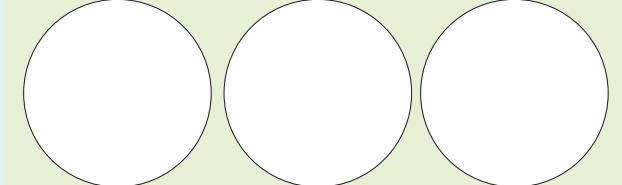
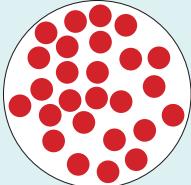
$$\square \times \square = \square$$



Avanyisa swihlayelo endzeni ka swirhendzevutana.



$$\square \text{ yi aviva } \square \text{ exikarhi ka } \square = \square$$



$$\square \text{ yi aviva } \square \text{ exikarhi ka } \square = \square$$



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

3 wa mintlawa ya va-12

Nhlayo yo hlanganisa:

Nhlayo yo andzisa:

Ava swihlayelo swa 24 exikarhi ka 4.

Nhlayo yo susa:

Nhlayo ya ku ava exikarhi ka
(ku avanyisa):

5 wa mintlawa ya va-10

Nhlayo yo hlanganisa:

Nhlayo yo andzisa:

Ava swihlayelo swa 25 exikarhi ka 5.

Nhlayo yo susa:

Nhlayo ya ku ava exikarhi ka
(ku avanyisa):



Khakhuleta:

2 wa mintlawa ya 11 _____ 3 wa mintlawa ya 10 _____

4 wa mintlawa ya 4 _____ 2 wa mintlawa ya 25 _____

Avanyisa 20 hi 2 _____ Avanyisa 27 hi 3 _____

Avanyisa 50 hi 5 _____ Avanyisa 28 hi 2 _____



Teacher:

Sign:

Date:

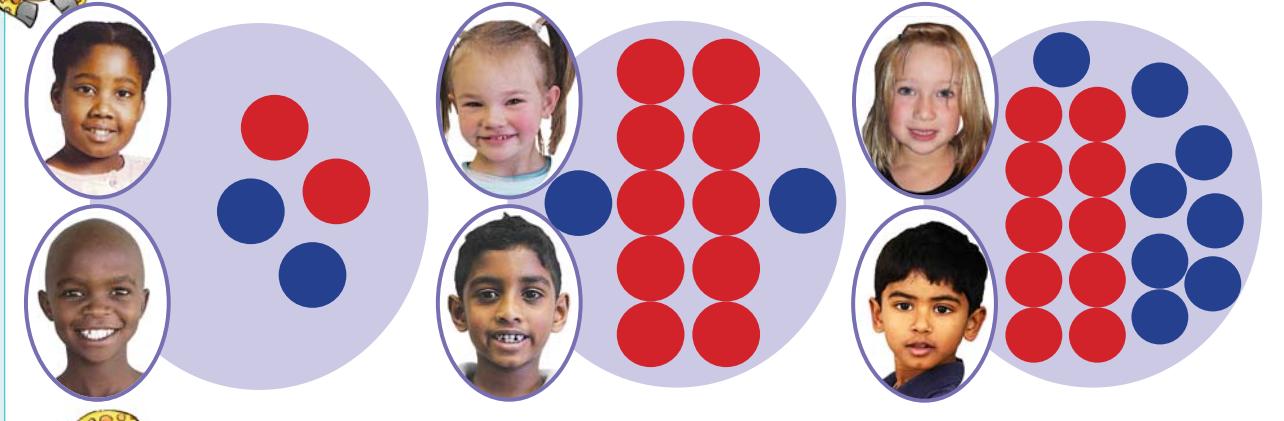


kambirhi

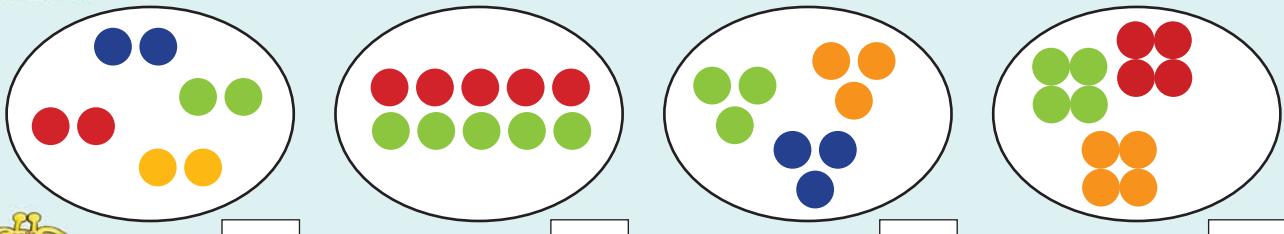


Ku vumba mintlawa yin'wana na ku avela

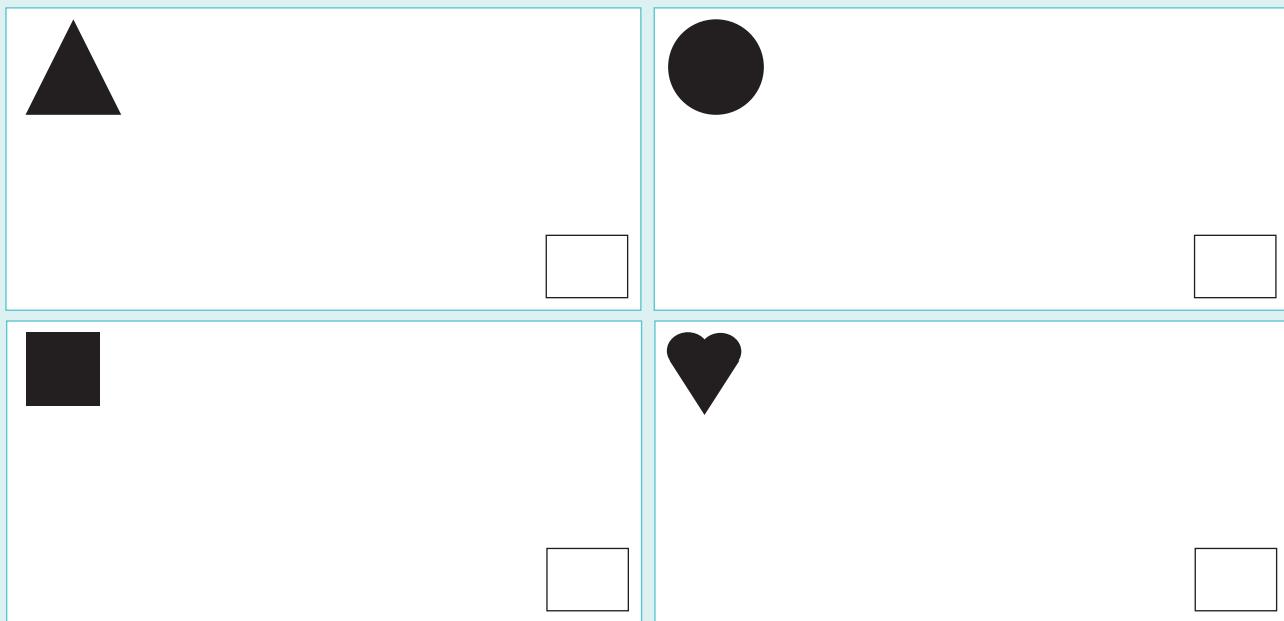
Xana ku na swihlayelo swingani eka xirhendzevutana xin'wana na xin'wana? Swi ave hi ku ringana exikarhi ka vana.



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



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





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

tiyinhlanhharhu



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 amukale swingani?



Teacher:

Sign:

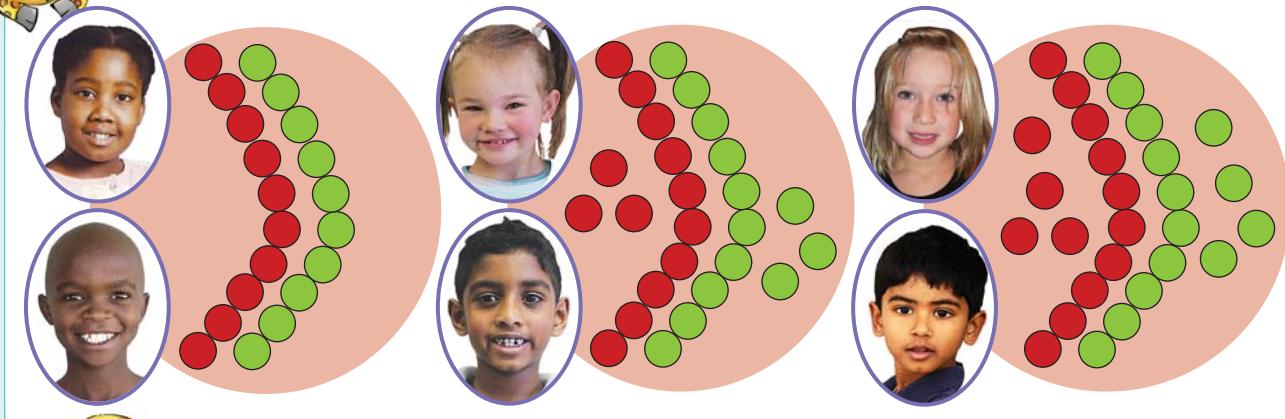
Date:



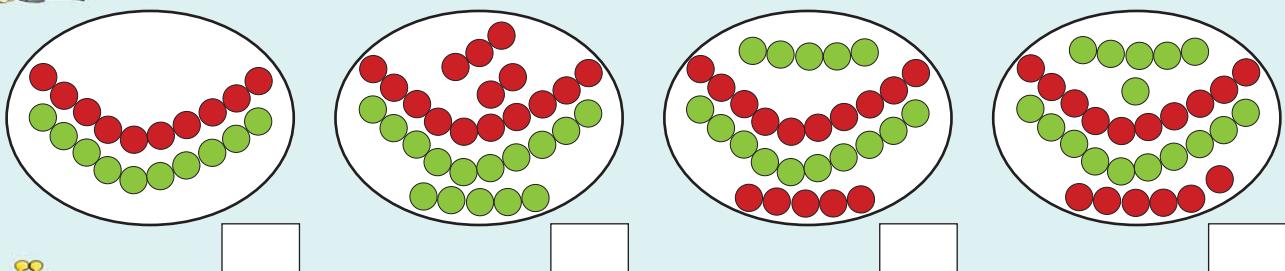
Ku vumba mintlawa na ku avela nakambe

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

Siku:



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



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

Vuhlalu bya wasi

Vuhlalu bya xitshopana

Vuhlalu bya rihlaza



4

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



Ava vuhlalu exikarhi ka vana. Byji dirowe.



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

Teacher: _____
Sign: _____
Date: _____



11

12

13

14

15

16

17

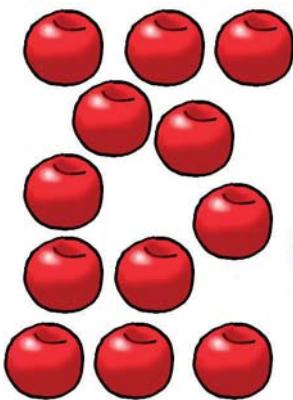
18

19

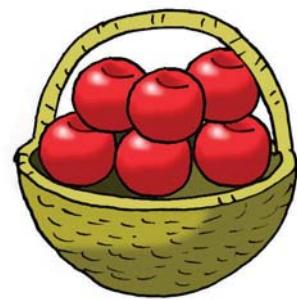
20



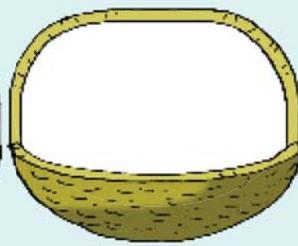
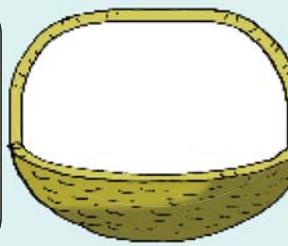
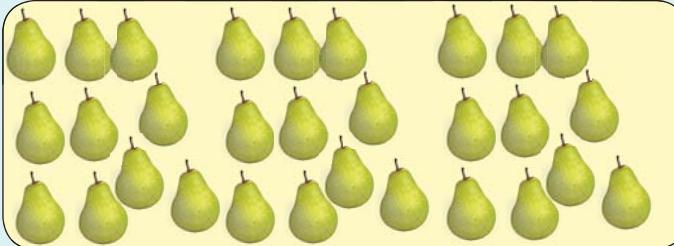
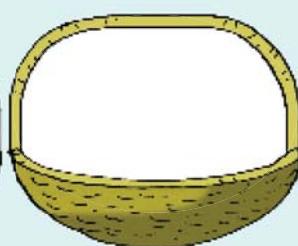
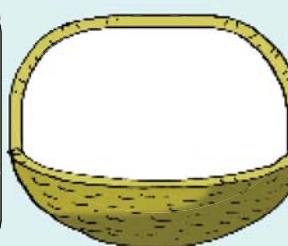
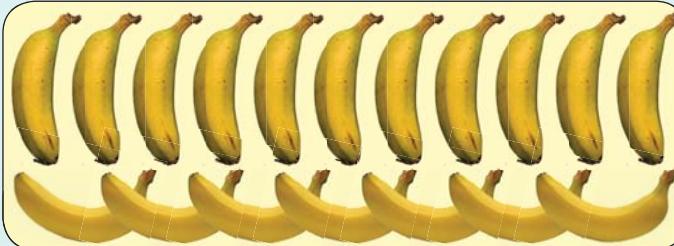
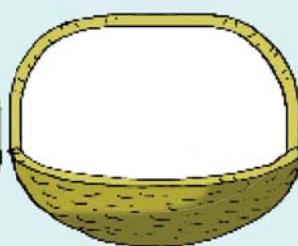
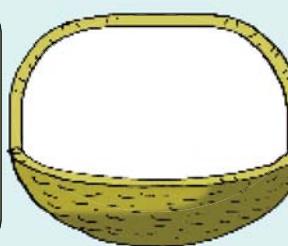
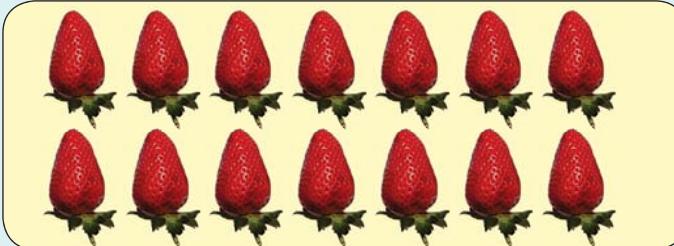
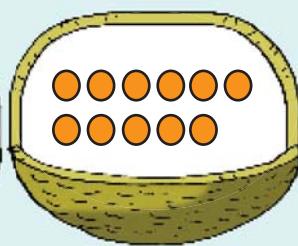
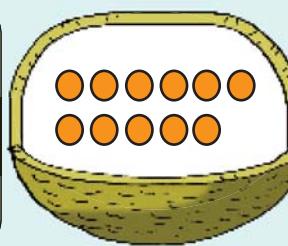
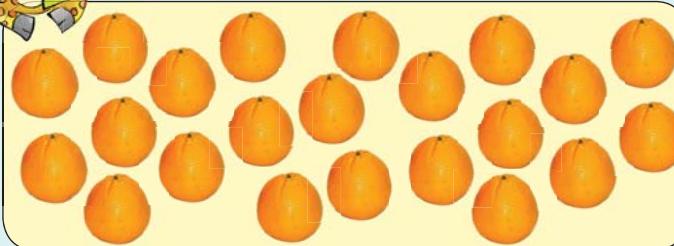
Tihafu: 1 – 20



Xana ku humelele yini hi maapula?

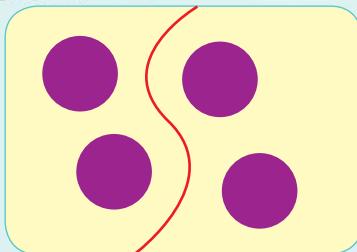


Ava mihandzu leyi nga eximatsini eka tibasikititi leti nga exineneni. Yi dirowe.

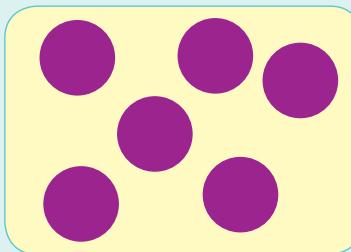




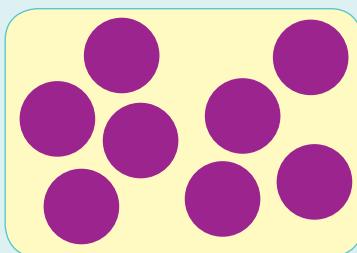
Dirowa layini ku kombisa hafu.



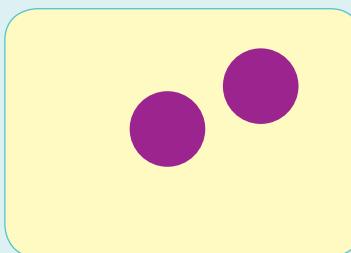
Hafu ya 4 i



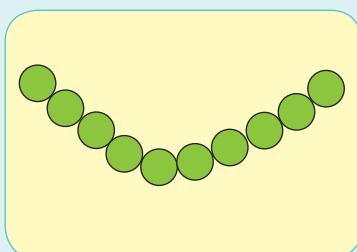
Hafu ya 6 i



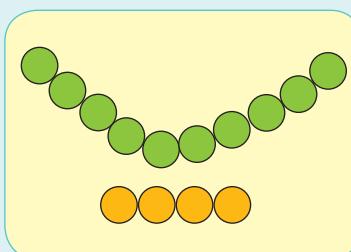
Hafu ya 8 i



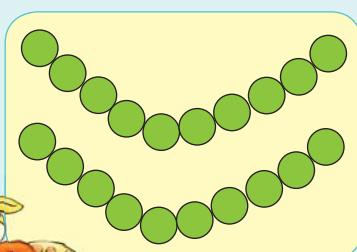
Hafu ya 2



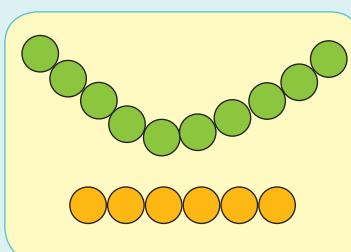
Hafu ya 10 i



Hafu ya 14 i



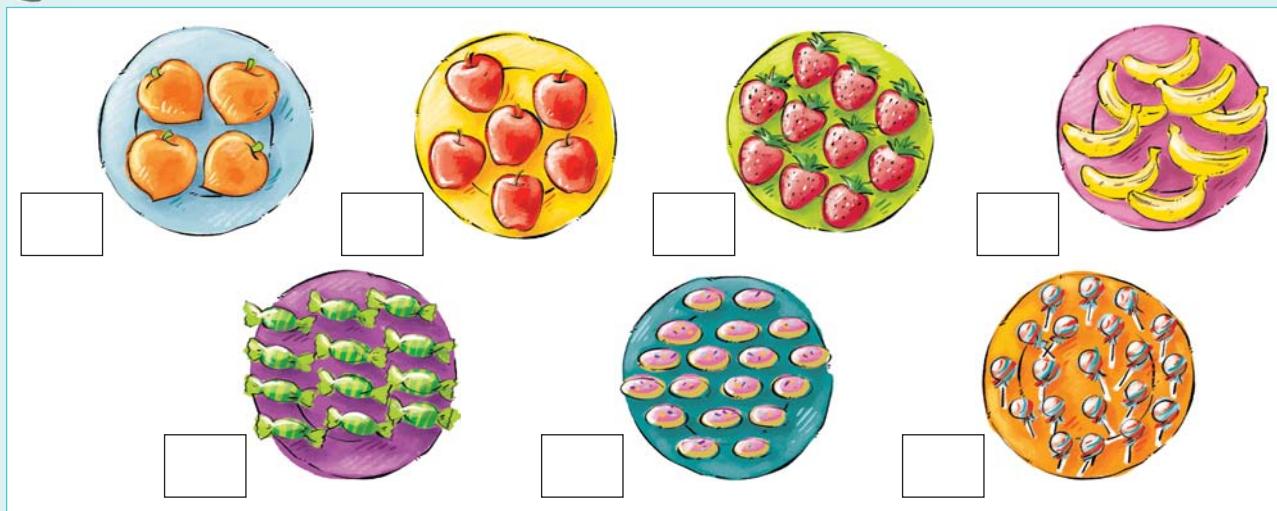
Hafu ya 20 i



Hafu ya 16 i

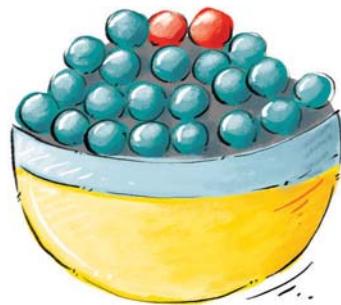
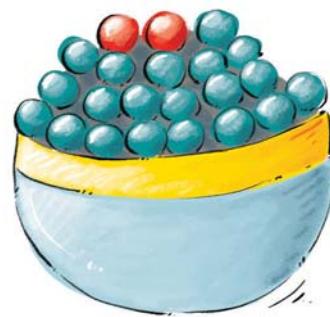
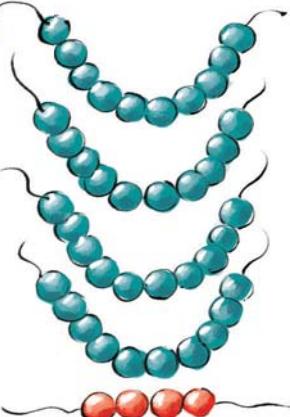


Xana hafu ya ndyelo yin'wana na yin'wana ya swakudya i yini?





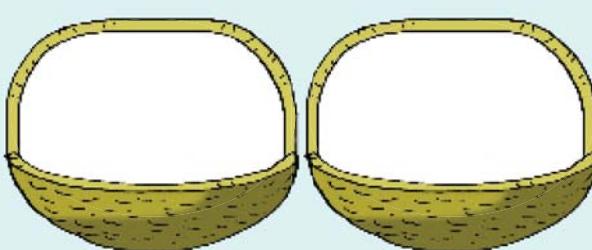
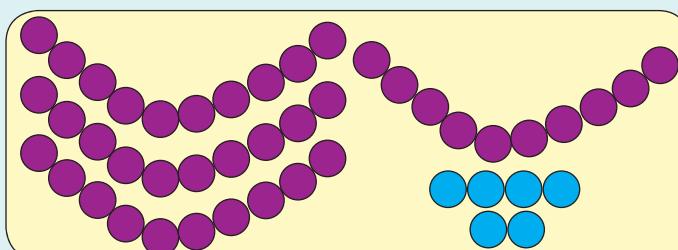
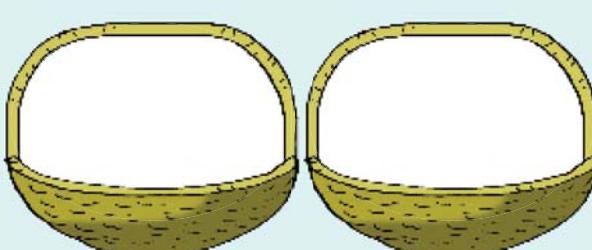
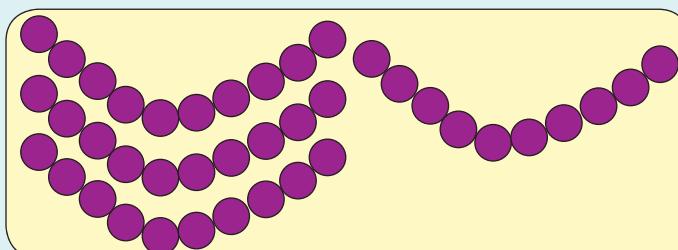
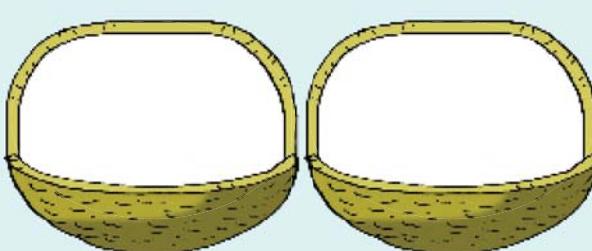
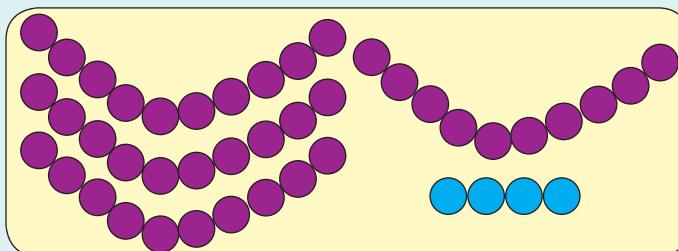
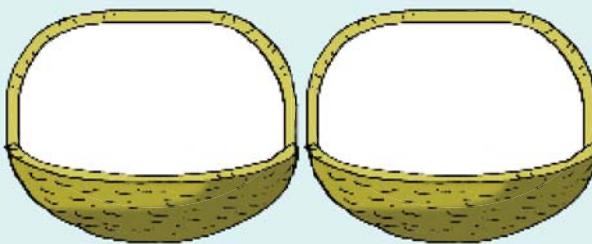
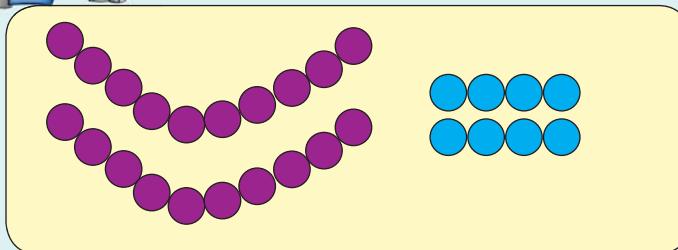
Ku avelana 20 – 50



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

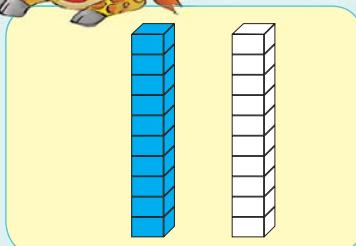


Ava vuhlalu hi ku ringana exikarhi ka tibasikitit timbirhi. Byi dirowe loko u ri
karhi u byi chela endzeni ka basikitit.

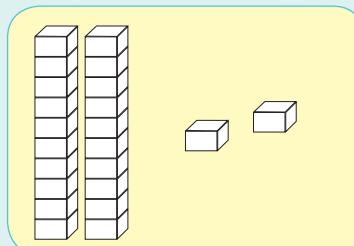




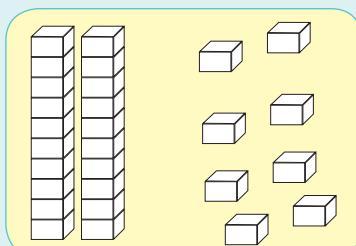
Khalara hafu yin'we hi muhlovo wo hambana.



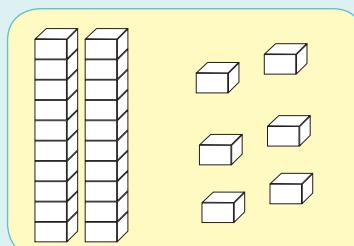
Hafu ya 20 i 10



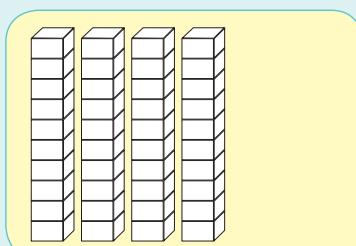
Hafu ya 22 i



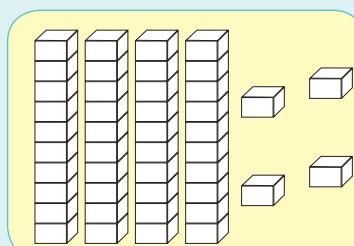
Hafu ya 28 i



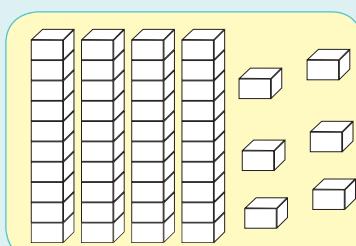
Hafu ya 26 i



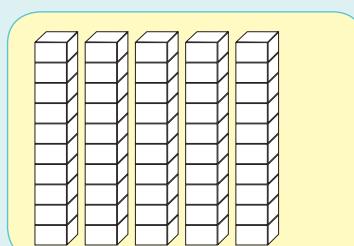
Hafu ya 40 i



Hafu ya 44 i



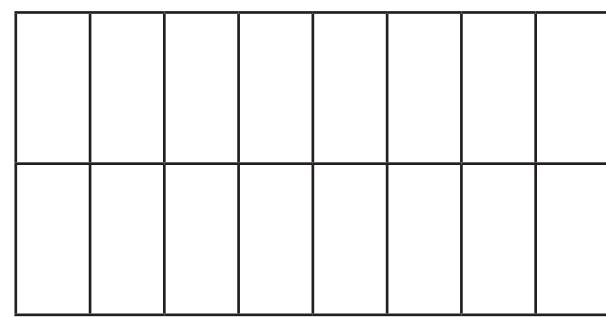
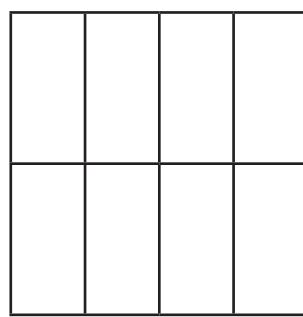
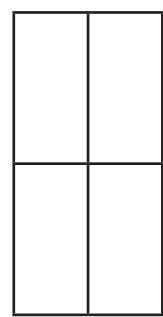
Hafu ya 46 i



Hafu ya 50 i



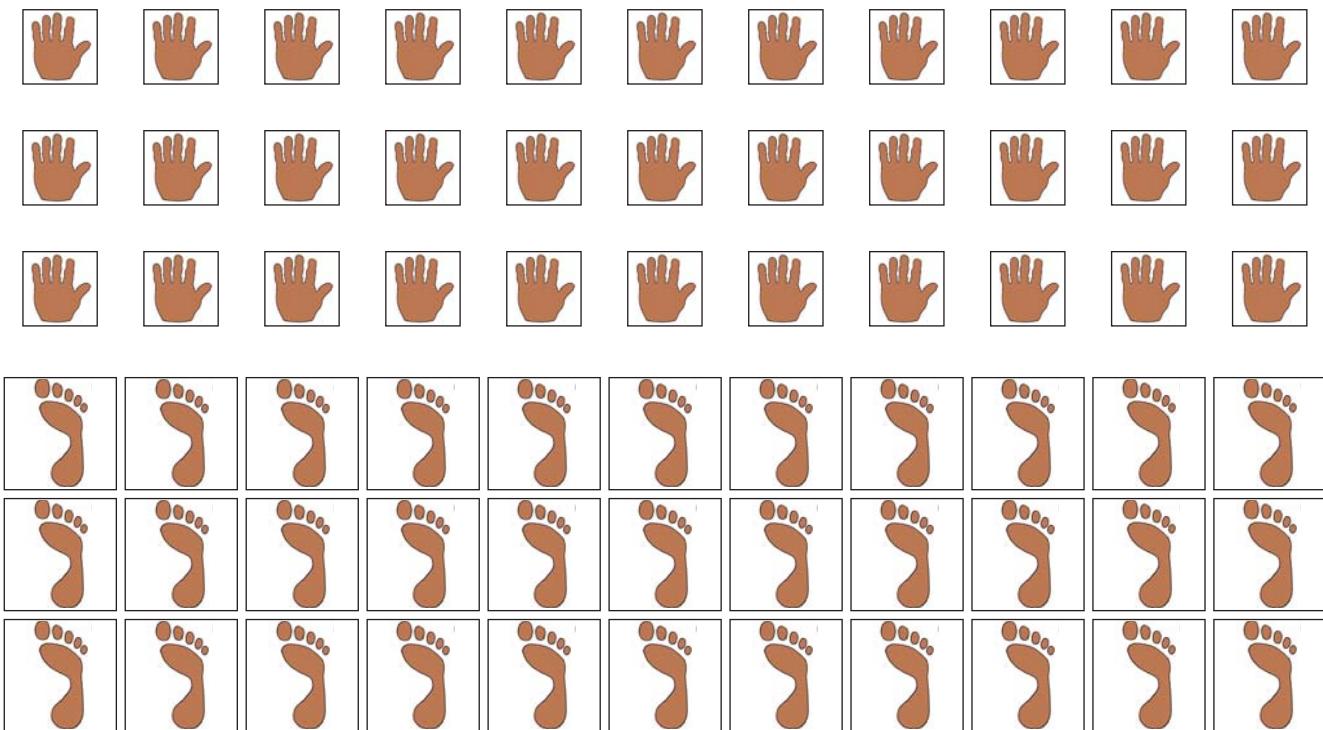
Khalara hafu ya dayigiramu yin'wana na yin'wana.



Teacher:
Sign:
Date:

Xitsemiwa xa l

Maphepha yo tirhela ya 10 na 40



Phepha ro tirhela ra 13

nimixo
swinene

ninhlekanhi

nindzhenga

nivusiku

nivusiku
swenene

nimixo na
ninhlekanhi

Xitsemiwa xa 2

Phepha ro tirhela ra 22

Swiendleko swa matimu na swo hlawuleka

Siku ra
Timfanelo ta
Ximunhu

Siku ra
Mbuyelelano

Siku ra Vatirhi

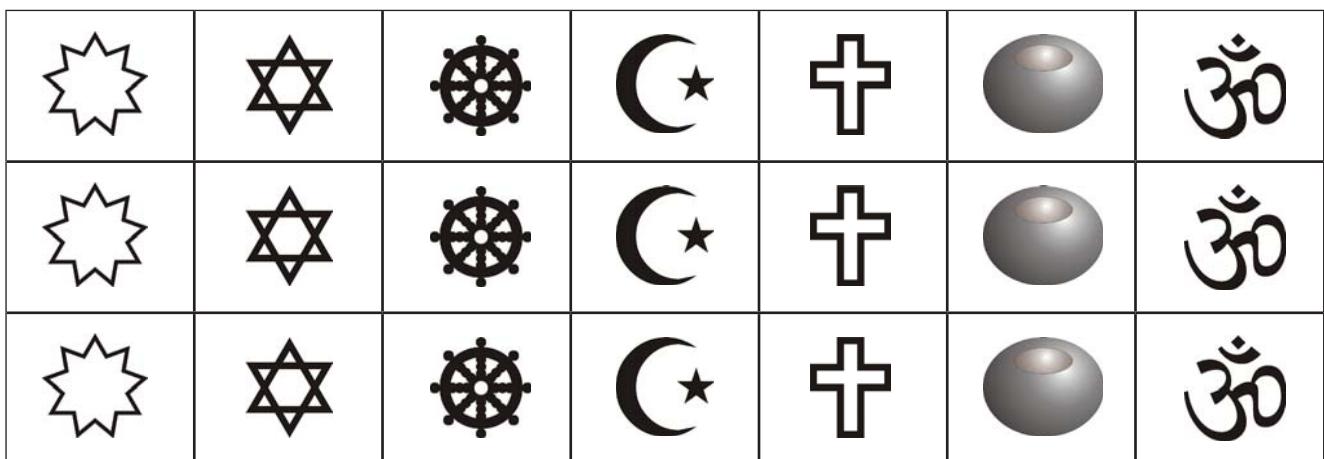
Siku ra
Vantshwa

Siku ra
Ndzhaka

Siku ra Rixaka
ra Vavasati

Siku ra
Ntshunxeko

Mifungho ya vukhongeri



Xibahayi

Xiyuda

Xibuda

Islam

Xikriste

Xintu

Xihindu

