

MATHEMATICS IN XITSONGA
GRADE 2 – BOOK 1
TERMS 1 & 2
ISBN 978-1-4315- 0003-1

THIS BOOK MAY NOT BE SOLD.

13th Edition

ISBN 978-1-4315-0003-1



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

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

Lemuka matimu ya hina.	Hi nga vu yeleli swihoxo swa nkarhi lowu nga hundza.	Vumbiwa ra hina ri hi pfuna ku anakanya no aka vumundzu ku byo antswa bya vanhu hink wavo.
------------------------	--	--

Hina, vanhu va Afrika-Dzonga,
Hi lemuka ku kala vululami ka nkarhi lowu hundzeke evuton'wini bya hina;
Hi ximaxa lava va xanisekeke hikwalaho ko hisekela vululami na ntshunxeko etikweni rerhu;
Hi hloniphala lava va tirheke ku aka no hluvukisa tiko ra hina; naswona
Hi tsheomba leswaku Afrika-Dzonga i ra hinkwavo lava tshamaka eka rona, hi hlanganile hi ku hambana-hambana ka hina.
Kutani, hi ku tirhisa vayimeri va hina lava hi tihlawuleleke bona hi ntshunxekile, hi amukela Vumbiwa leru tanihi nawu lowu kulukumba wa Riphabiliki ku endlela—
Ku lulamisa ku hambanisiwa ka nkarhi lowu hundzeke no vumba rixaka leru simekiweke ehenhla ka masungulo ya swipimelo swa xidemokhirasi, vululami exikarhi ka vanhu na timfanelo ta ximunhu ta masungulo;
Ku simeka masungulo ya rixaka ra xidemokhirasi leru vekaka swilo erivaleni laha eka rona mfumo wu simekiweke ehenhla ka ku navela ka vanhu naswona vaatiko hinkwavo wa sirheleriwile hi ku ringana hi nau;

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

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

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

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

MATEMATIKI HI XITSONGA – Giredi ya 2 Buku ya 1

ISBN 978-1-4315-0003-1

Leyi pfuxetiweke hi xiCAPS

Giredi ya 2

Vito:

Tlilasi:

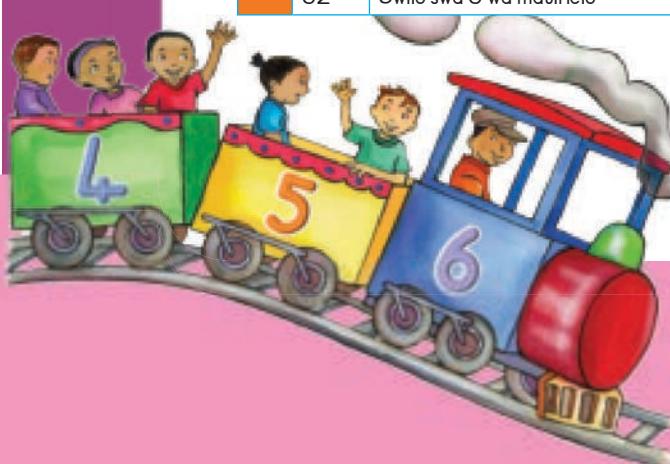
MATEMATIKI HI XITSONGA

basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

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Manana Angie Motshekga,
Holobye wa Dyondzo ya
Masungulo



Dkd. Reginah Mhaule,
Xandla xa Holobye wa
Dyondzo ya Masungulo

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

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

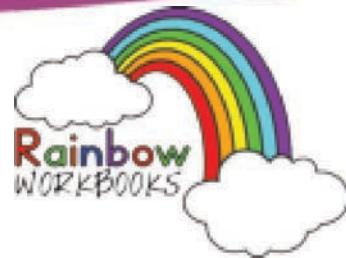
Hi tshemba leswaku tibuku leti ti ta pfuna vadyondzisi eka migingiriko ya vona yo dyondzisa ya masiku hinkwawo no tiyisisa leswaku vadyondzi va vona va kota ku heta kharikhulamu. Hi tiyisise leswaku hi letela mudyondzisi eka nghingiriko wun'wana na wun'wana hi ku katsa mifungho leyi kombisaka leswi mudyondzi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

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

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

Giredi ya

2



M a t e m a t i k i

HI XITSONGA

Buku leyi i ya:



Buku ya

I

XITSONGA

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.



1 2 3 4 5 6 7 8 9



Teacher:

Sign:

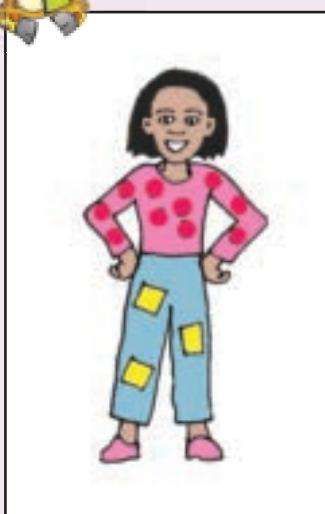
Date:

11 12 13 14 15 16 17 18 19 20

Ku hlayela



Tata swivandla leswi nga riki na nchumu.



mahlo

mathonsi

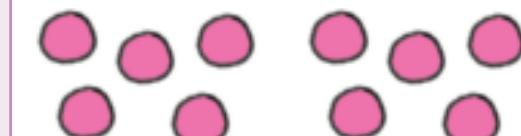
mavala



mahlo

mathonsi

mavala



2



mahlo

mathonsi

mavala



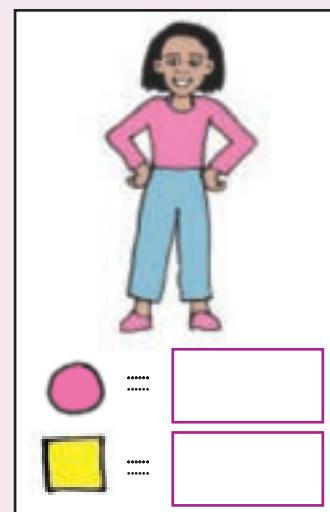
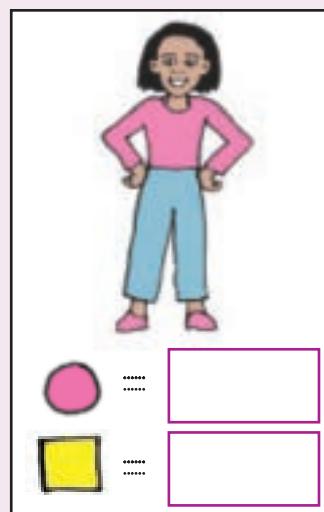
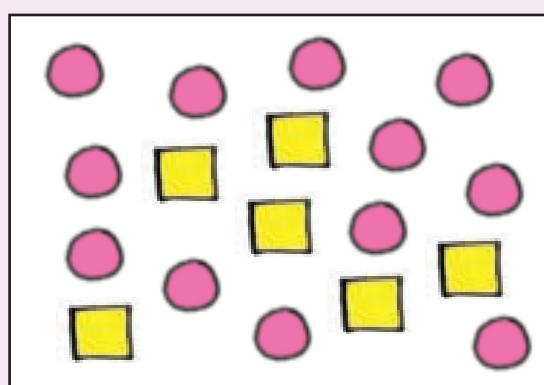
mahlo

mathonsi

mavala



Ava mathonsi na
mavala hi ku ringana.



Teacher:

Sign:

Date:



Siku:

Tinomboro

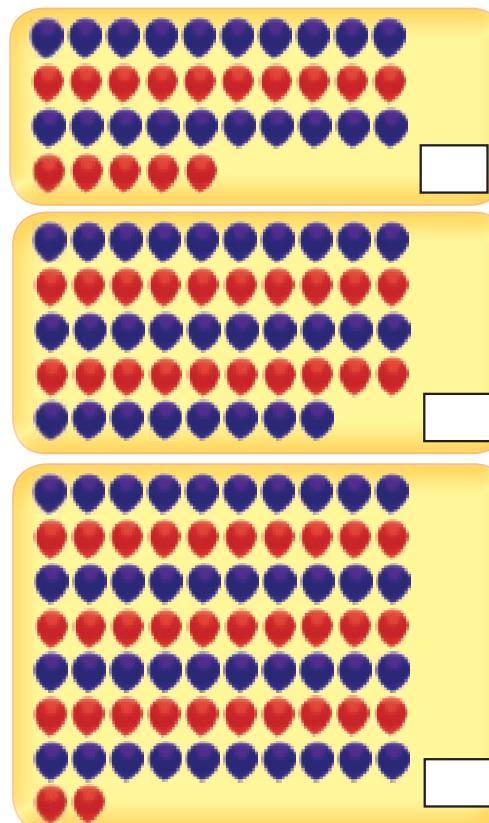
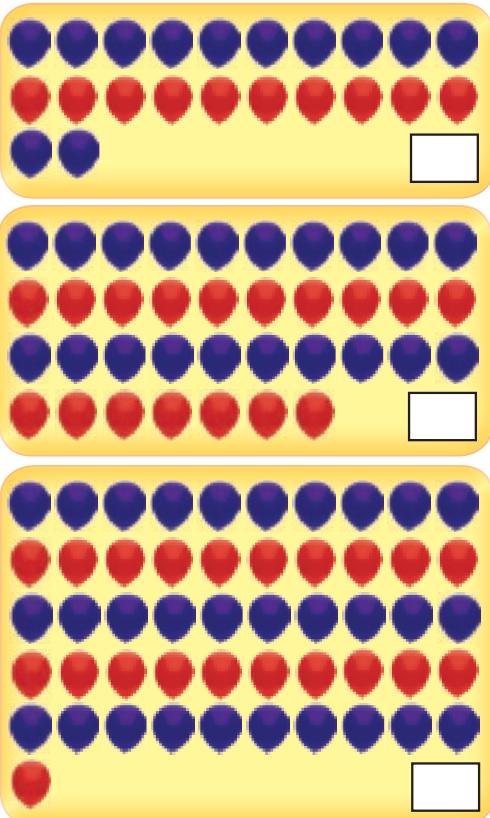
Hlaya mifungho ya tinomboro na marito lama nga exitsalelwani.

1	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	
I	22	
2	18	
5	II	
0	20	
IO	15	
3	13	
q	16	



37 38 39 40 41 42 43 44

89 90 91 92 93 94 95 96



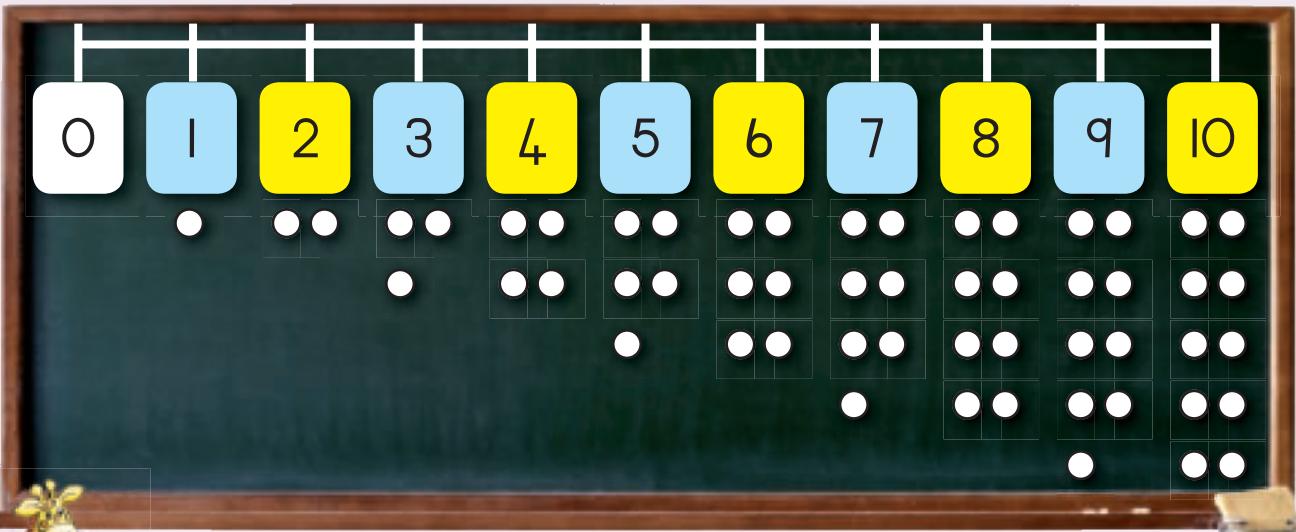
Teacher:

Sign:

Date:

II 12 13 14 15 16 17 18 19 20

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

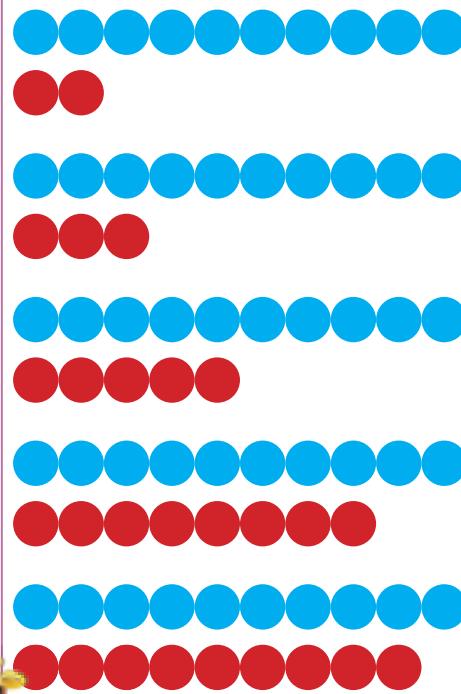


Nambara tindlu leti landzelaka.





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 tanihu:

$$10 + 2 = 12$$

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



Xana nhlamlalo 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



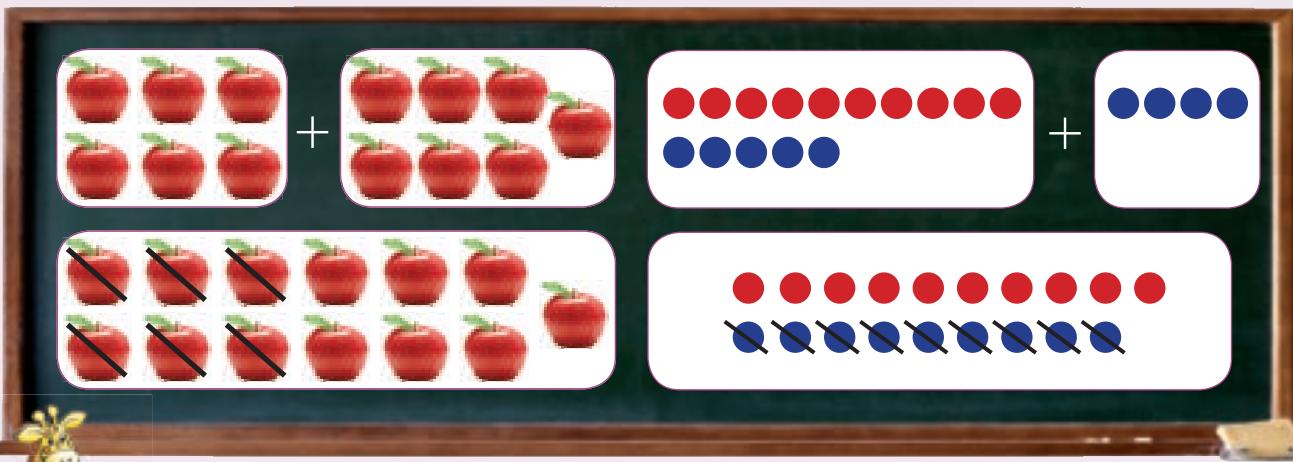
Teacher:

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Date:

11 12 13 14 15 16 17 18 19 20

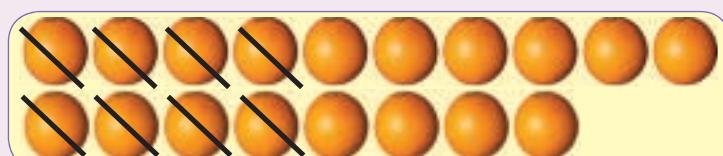
Ku hlanganisa na ku susa



Hlanganisa u tlhela u susa.



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



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



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



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



Khakhuleta.



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

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

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

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

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

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

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

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

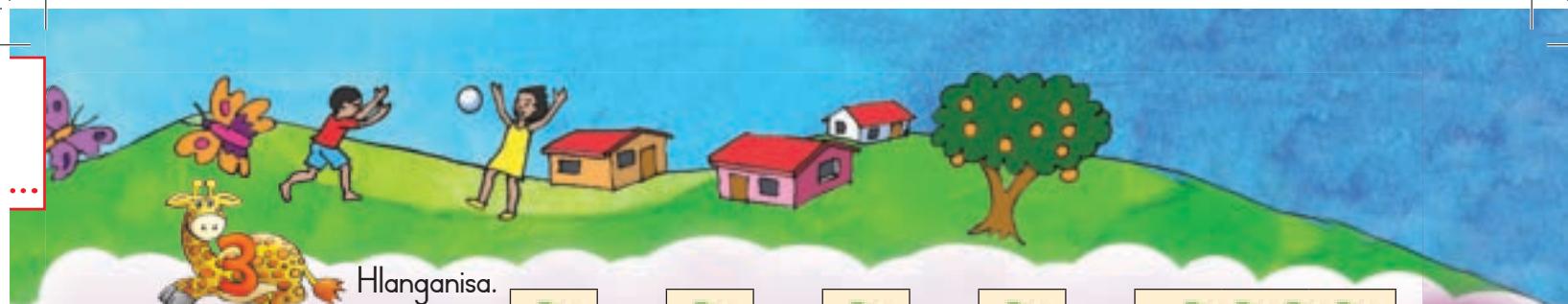
$$16 - 9 = \boxed{}$$

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

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

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

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



Hlanganisa.

$$\begin{array}{c} \text{apple} \\ \text{apple} \end{array} + \begin{array}{c} \text{apple} \\ \text{apple} \end{array} + \begin{array}{c} \text{apple} \\ \text{apple} \end{array} + \begin{array}{c} \text{apple} \\ \text{apple} \end{array} = \begin{array}{c} \text{apple} \\ \text{apple} \end{array}$$

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

	+		+		=			
	+		+		=			
	+		+		=			
	+		+		=			
	+		+		+		=	
	+		+		=			
	+		=					
	+		=					



Khakhuleta.

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

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

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

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

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

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

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

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

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



2 + 2 + 2 + 2 + 2 + 2



Teacher:

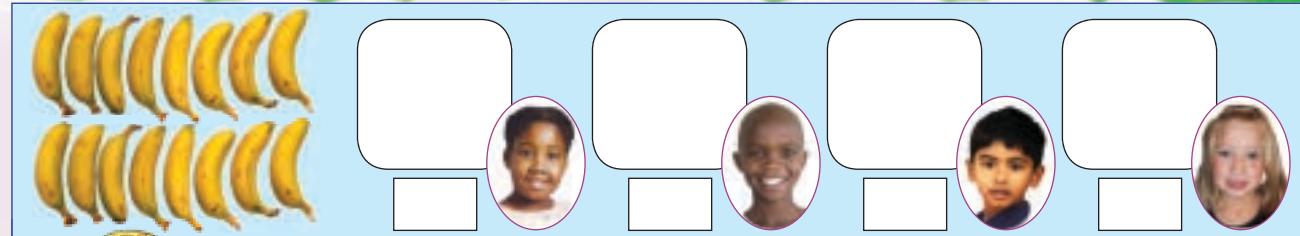
Sign:

Date:

Ku avelana na mali



Ava mihandzu leyi nga laha hansi.



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.



=



=



=



=



=



RI 1c R5 5c R10

Teacher:

Sign:

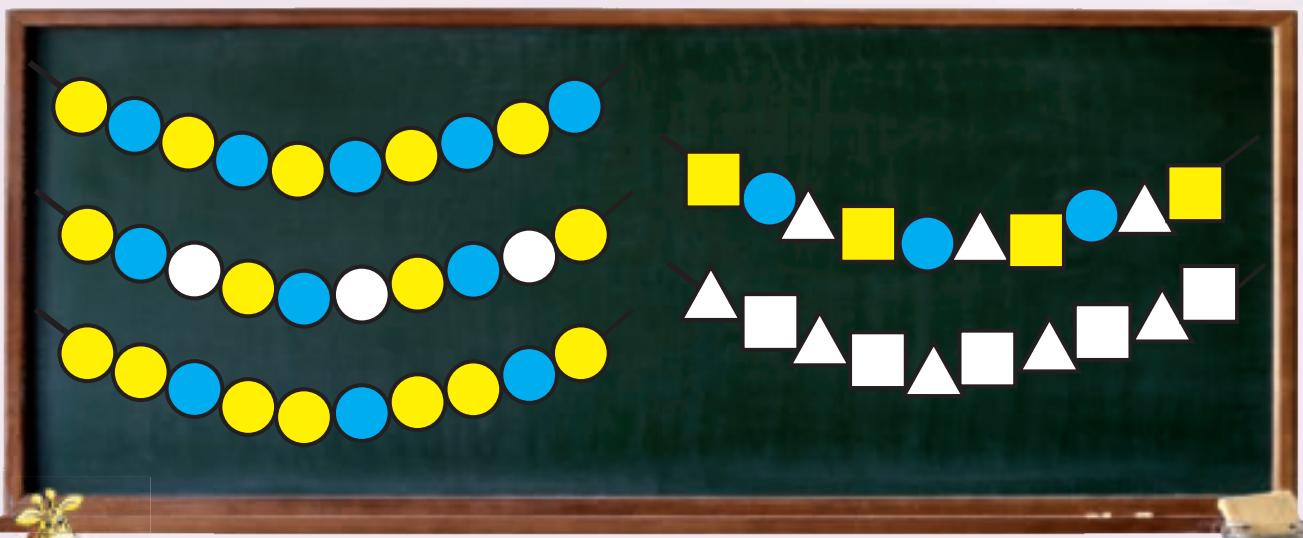
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Kotara ya!

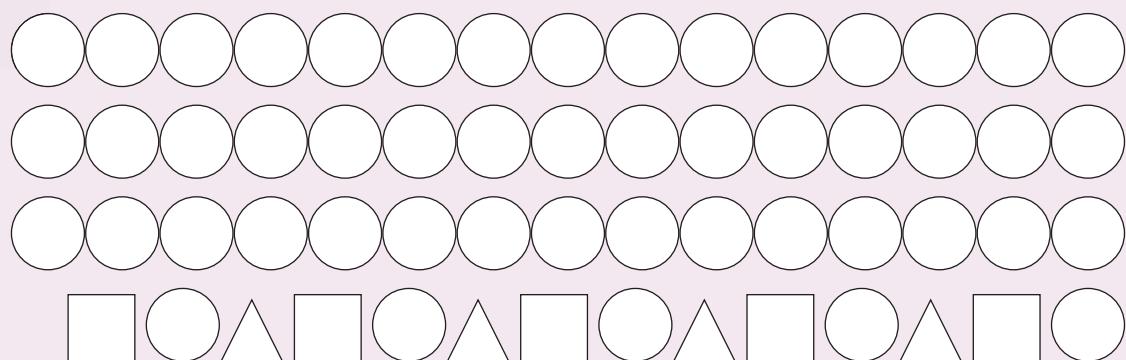
7

Siku:

Tipatironi



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

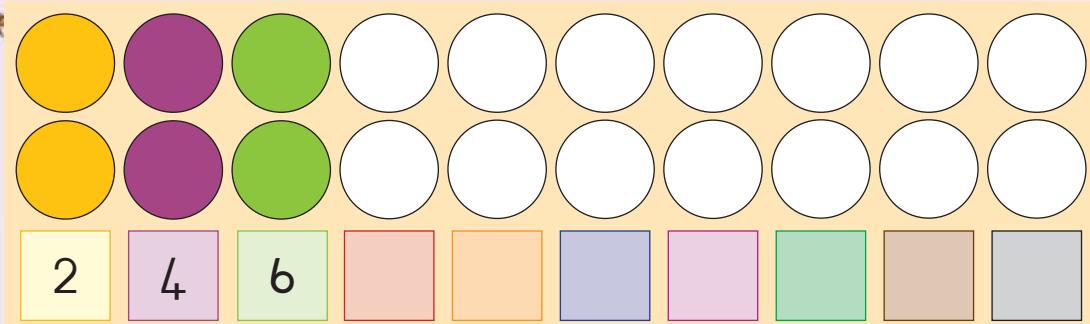


Engetela patironi.

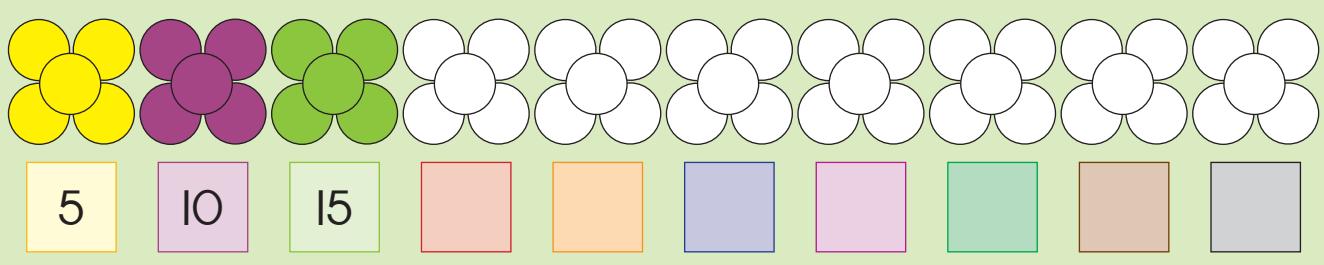




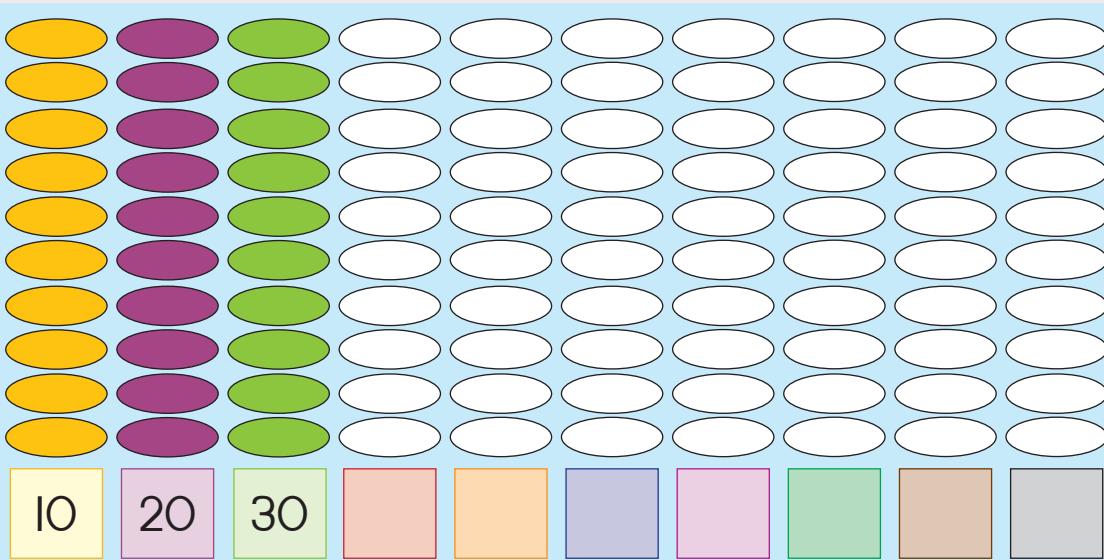
Khalara vuhlalu loko u ri karhi u hlayela hi vumbirhi.



Khalara swiluva loko u ri karhi u hlayela hi vuntlhanu.



Khalara vuhlalu loko u ri karhi u hlayela hi vukhume.



O O A O O I A O O A

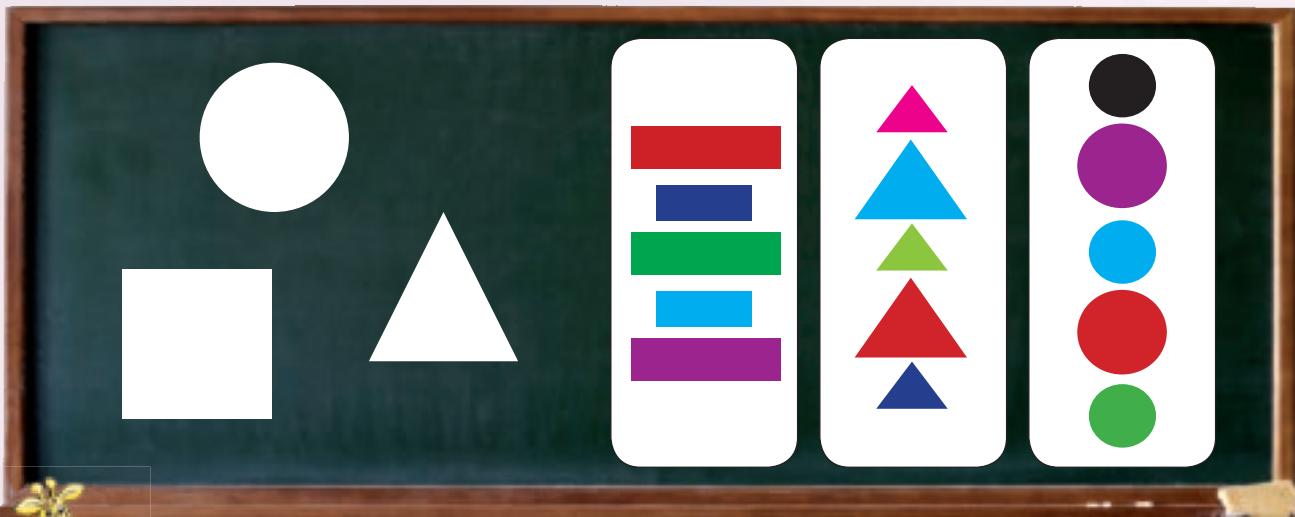


Teacher:

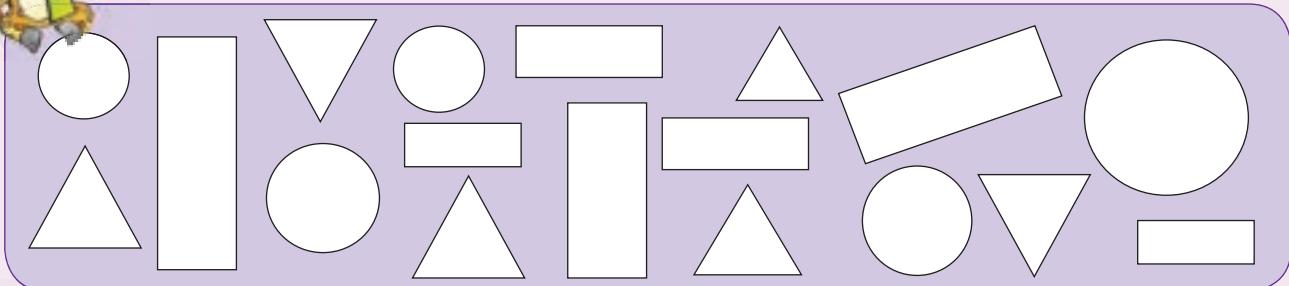
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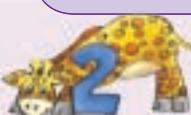
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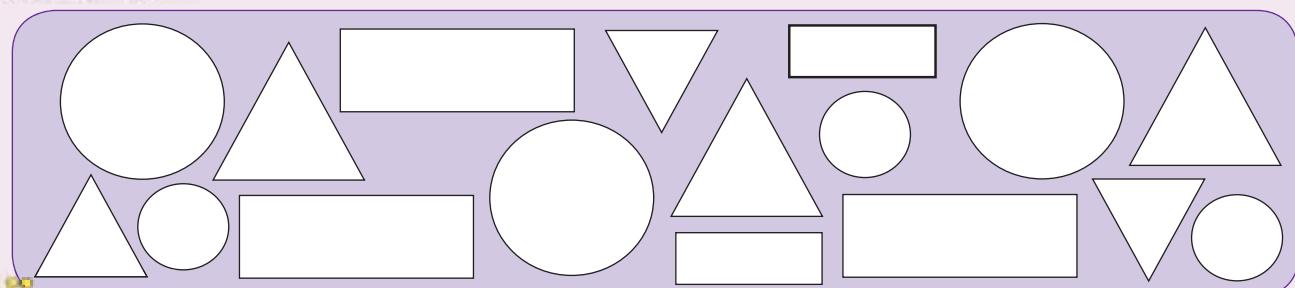
Swivumbeko



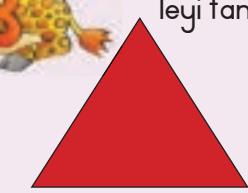
Khalara tiyinhlamune hi muhlowo wa wasi, swirhendzевutana hi wo tshwuka kasi tinhlanharhu hi xitshopana.



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



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



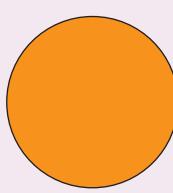
yo thwixi

xirhendzевutana



yo thwixi

xirhendzевutana



yo thwixi

xirhendzевutana



Dirowa timpapa letin'wana ta maphaphatana.



Dirowa timpapa letin'wana ta maphaphatana

Dirowa timpapa letin'wana ta maphaphatana



Teacher:

Sign:

Date:

Kotara ya!

q

Siku:

Tibolo na mabokisi



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



21

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

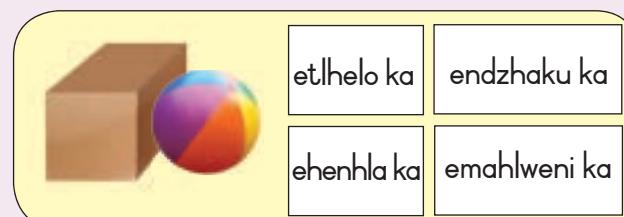


makumu ya
xirhendzevutana

makumu yo
thwixi



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



bolo bokisi



Teacher:

Sign:

Date:

10

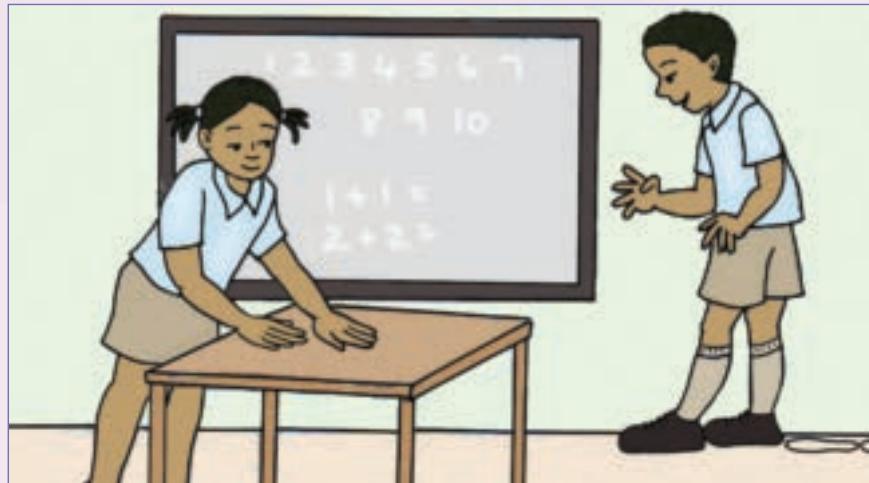
Kotara ya!



Siku:

Ku leha

Xana va endla yini?



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



koma

leha

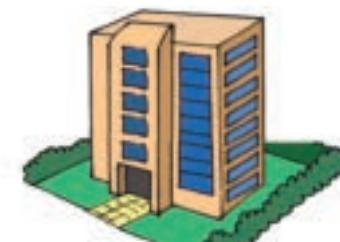


koma

leha

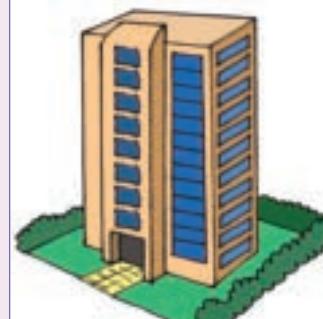


Xana i muako wihi lowu nga leha kumbe lowu nga koma?



leha

koma



leha

koma



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



koma

leha

koma

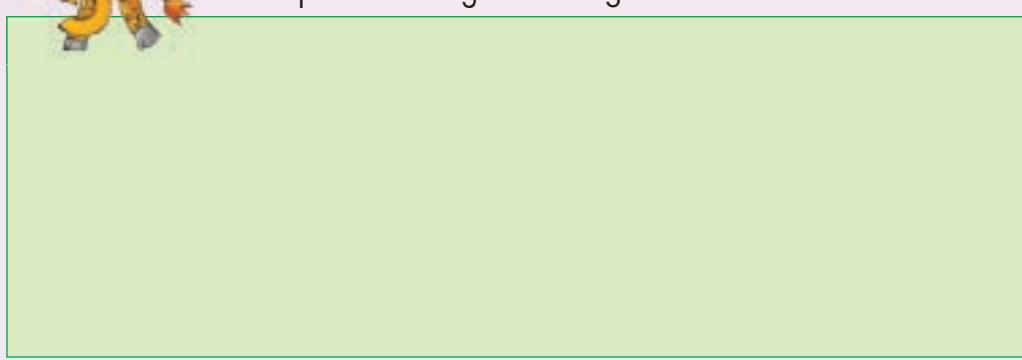
leha



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:

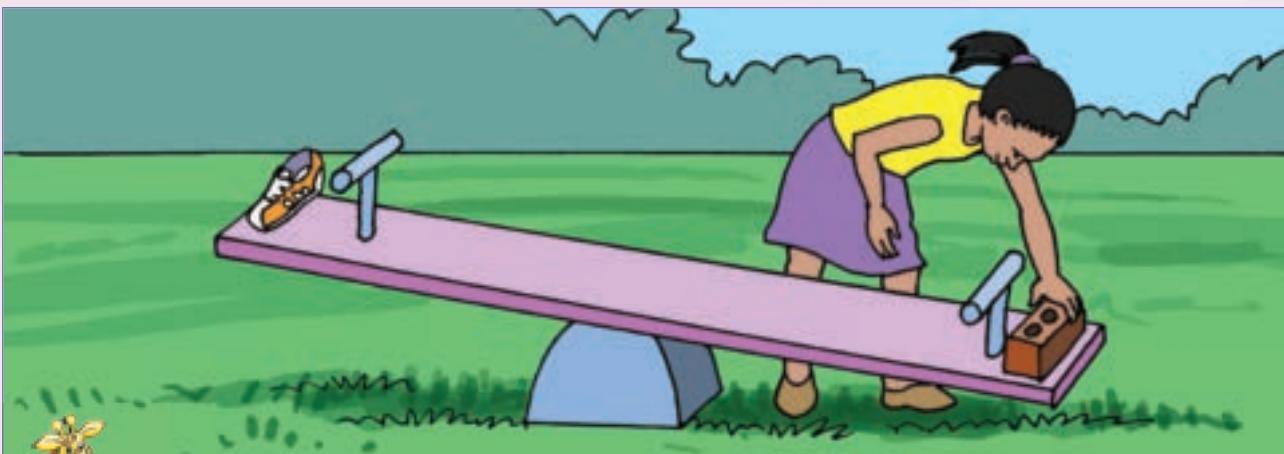
Sign:

Date:



Siku:

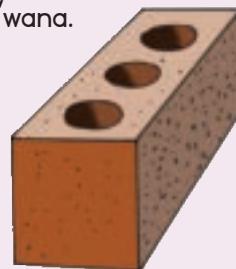
Ntiko



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



tika

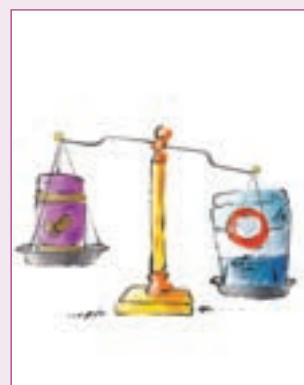
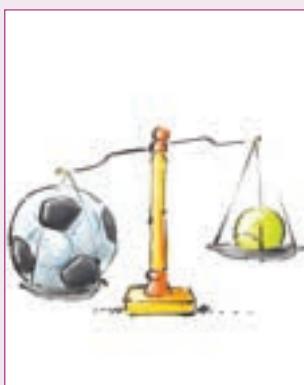


tika

vevuka

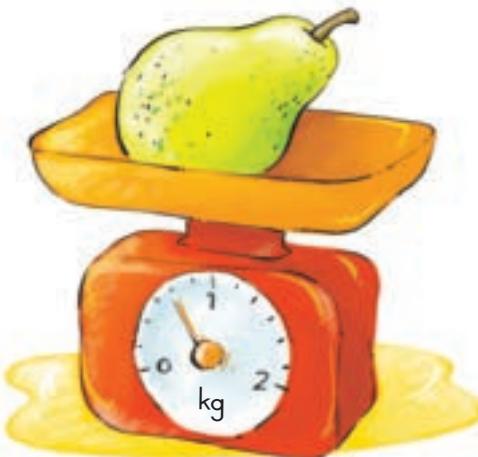


Bana xirhendzevutana eka nchumu wo tika.





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



tika



tika

vevuka



tika



tika

vevuka



ku tika no vevuka



Teacher:

Sign:

Date:

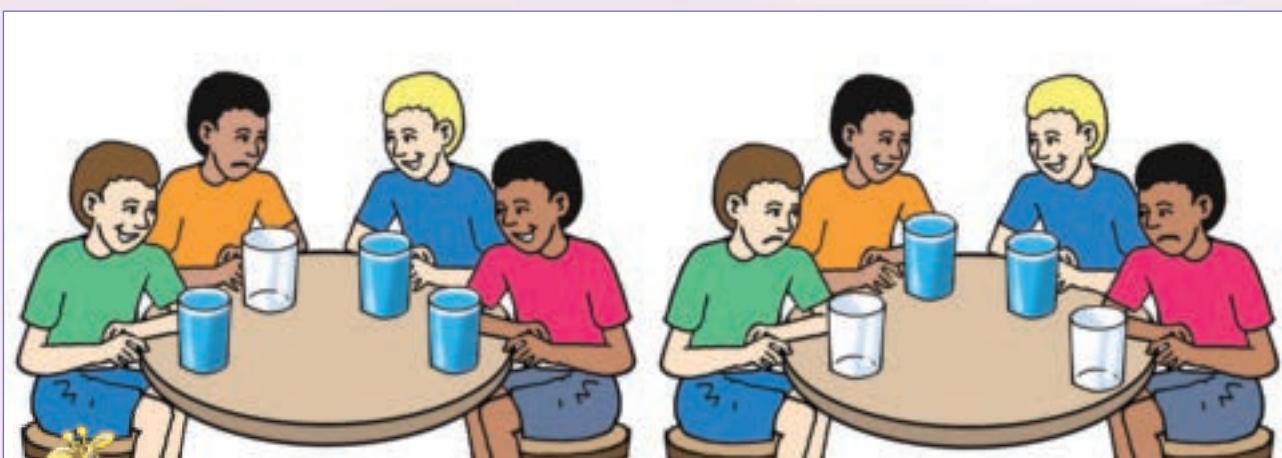


Siku:

.....

Bulani hi xifaniso.

Vundzeni



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

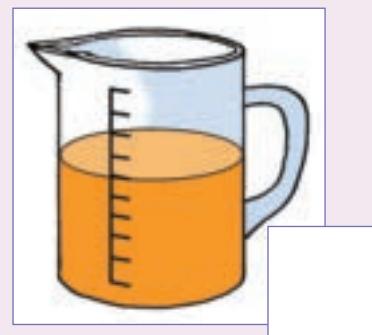
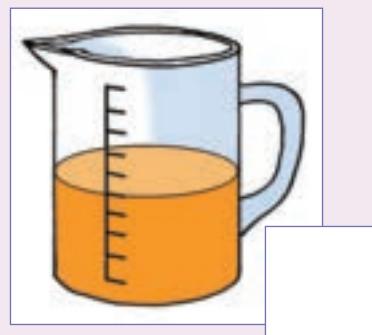
hafu



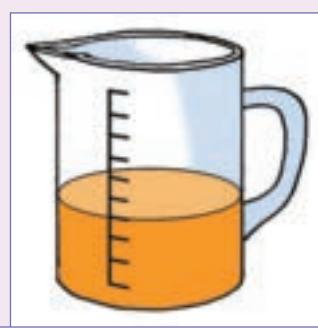
Mpimo wun'we wu tatisa eka xifungho xo sungula xa jeke.
Xana i mipimo yingani leyi nga tatisaka jeke leyi?



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



ku tala no va hava ndhumu



Teacher:

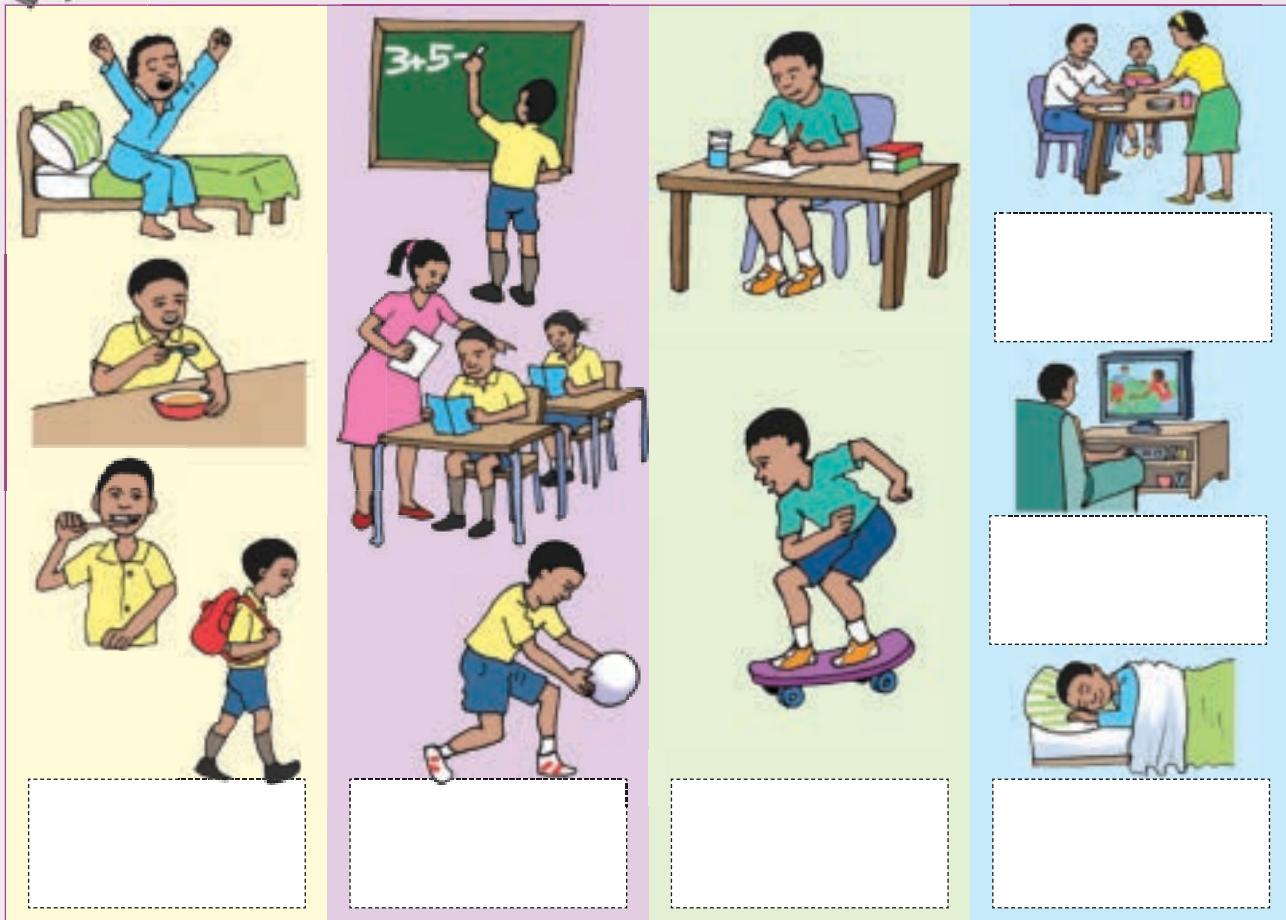
Sign:

Date:

Nkarhi



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



Hetisa swivulwa.

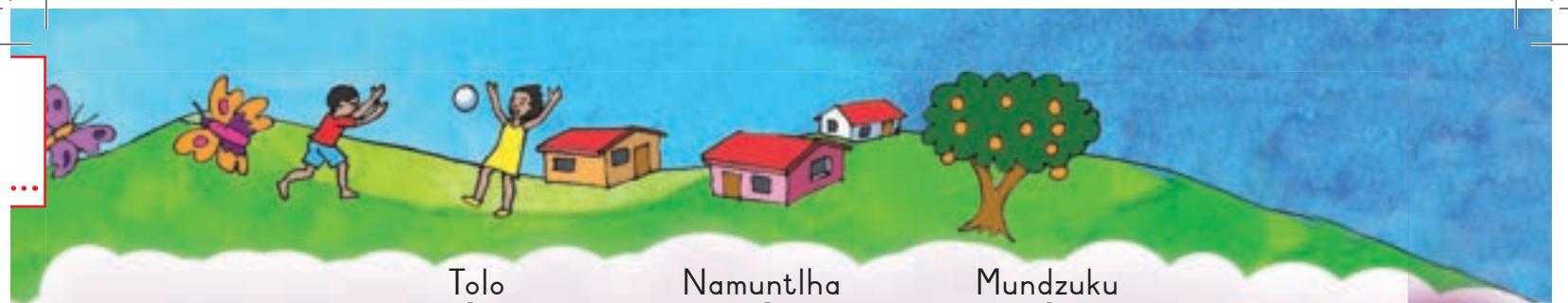
Ndzi _____ nimixo swinene.

Ndzi _____ nimixo.

Ndzi _____ nindzhenga.

Ndzi _____ siku rin'wana na rin'wana.

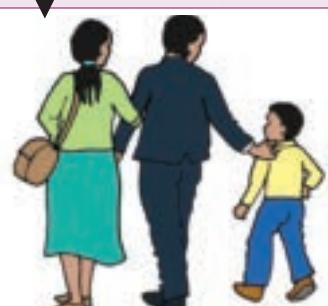
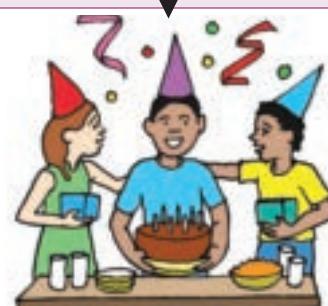
Ndzi _____ nivusiku masiku hinkwawo.



Tolo

Namuntlha

Mundzuku



Hlamula swivutiso leswi landzelaka.

Xana n'wana u endla yini namuntlha? _____

Xana n'wana u endlile yini tolo? _____

Xana n'wana u ta endla yini mundzuku? _____



Dirowa xifaniso xa wena.

Tolo

Namuntlha

Mundzuku



Tolo

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



Teacher:

Sign:

Date:

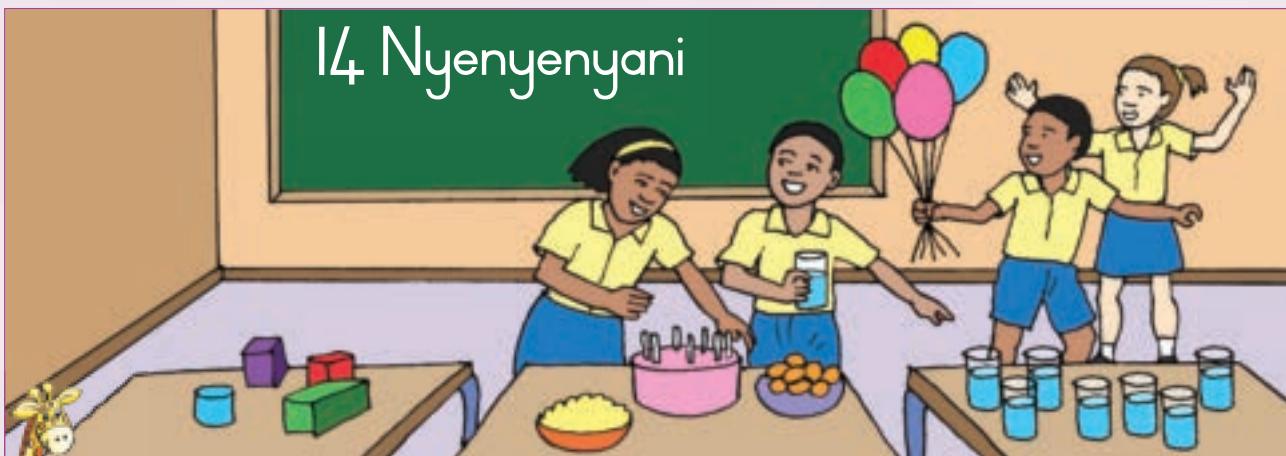
14

Kotara ya!

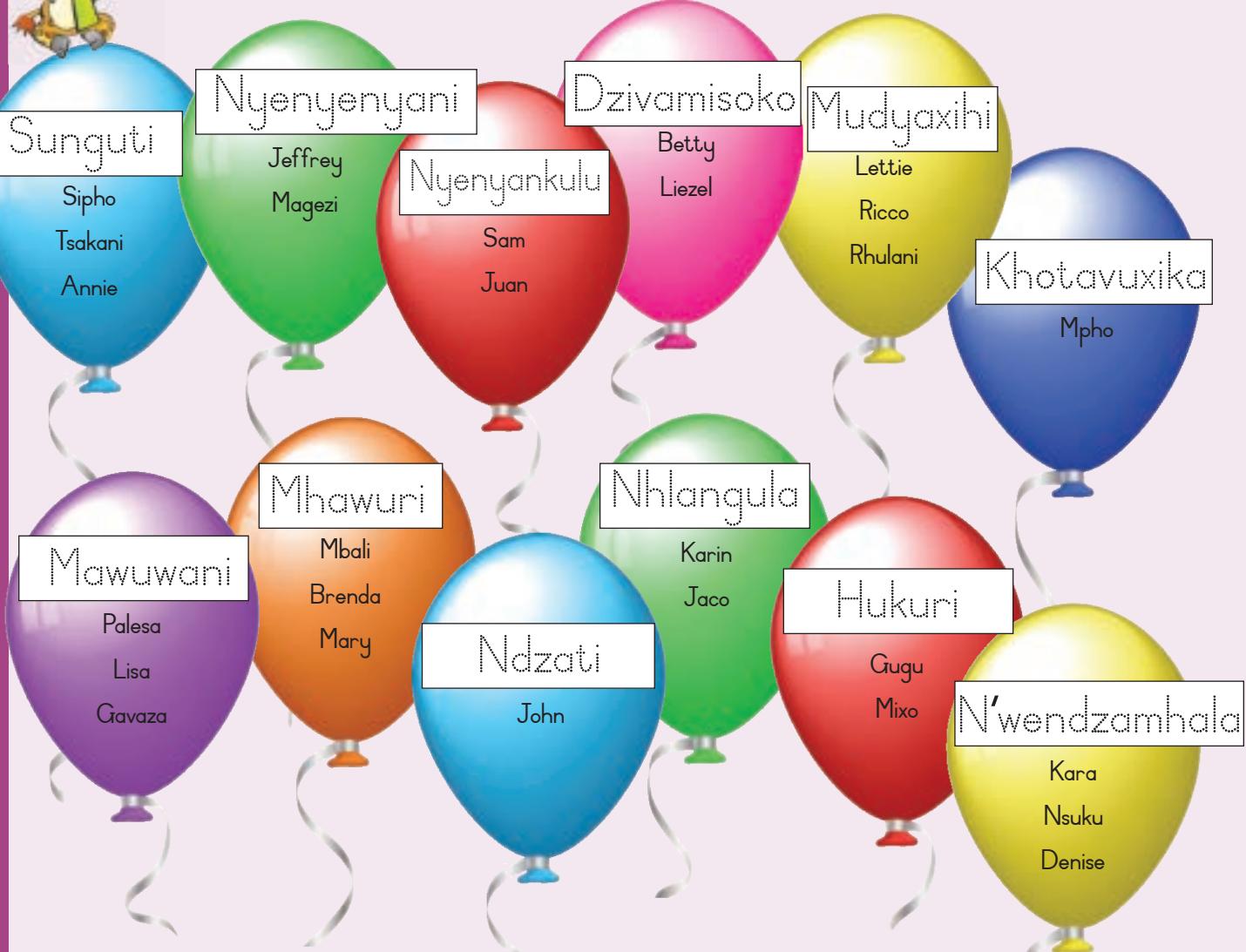
Siku:

Khalendara ya masiku ya ku velekiwa

14 Nyenyenyani



Landzelerisa tin'hweti.





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

Sunguti

Nyenyenyanī

Nyenyankulu

Dzivamisoko

Mudyaxihi

Khotavuxika

Mawuwani

Mhawuri

Ndzati

Nhlangula

Hukuri

N'wendzamhala



Siku ra mina ra
ku velekiwa rihi



Teacher:

Sign:

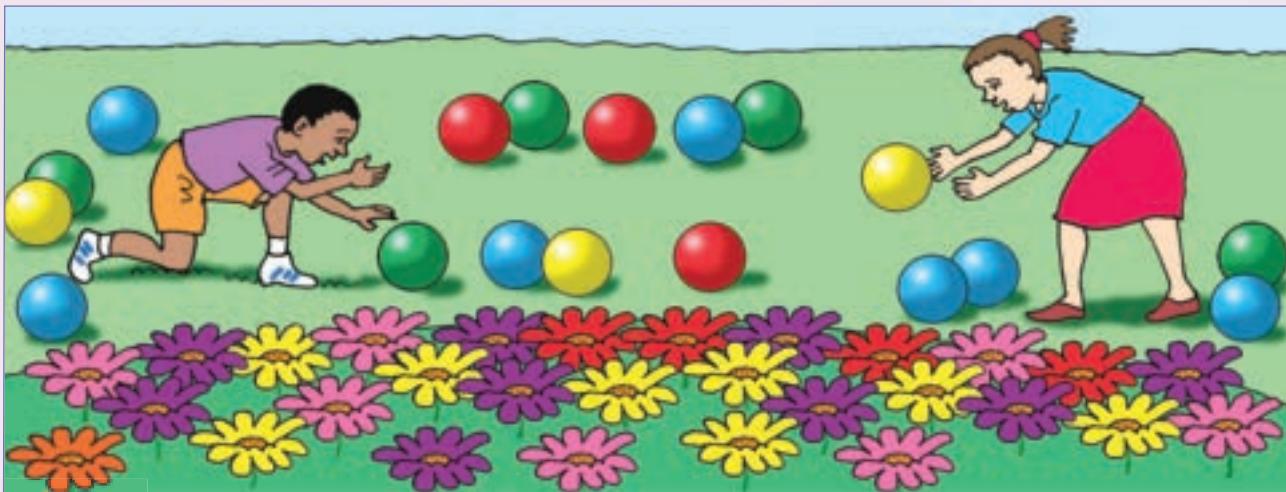
Date:

Siku:

15

Kotara ya |

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



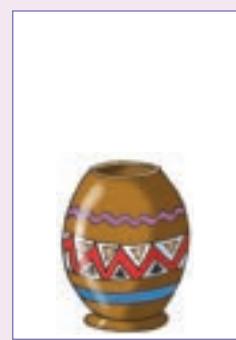
swiluva swo tshwuka



swiluva swa xivunguvungu



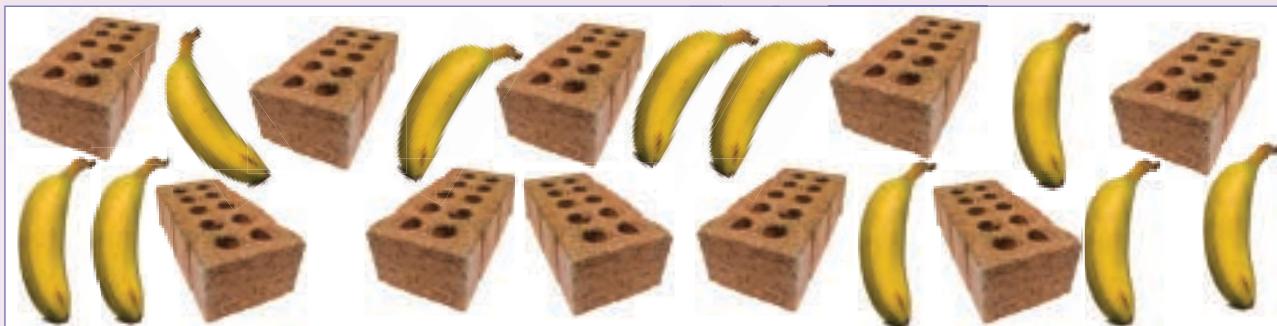
swiluva swa pinki



swiluva swa xilamula

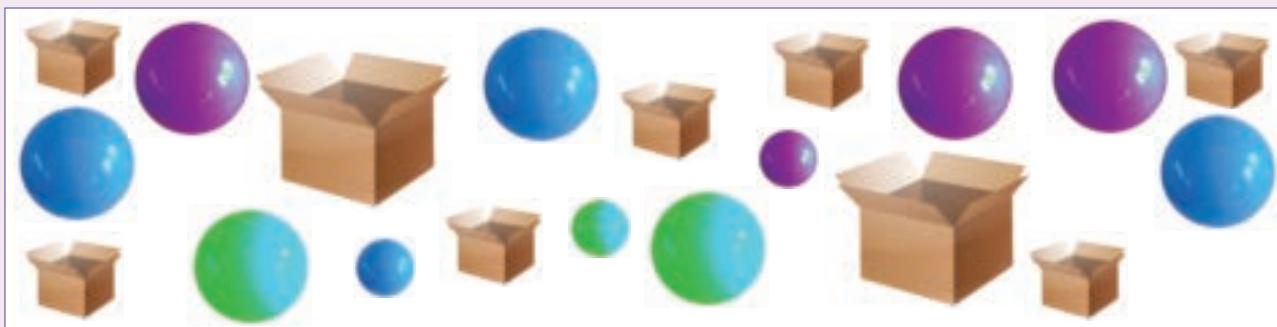


Hlawula swilo. Dirowa swifaniso swa wena.



swilo swo vevuka

swilo swo tika

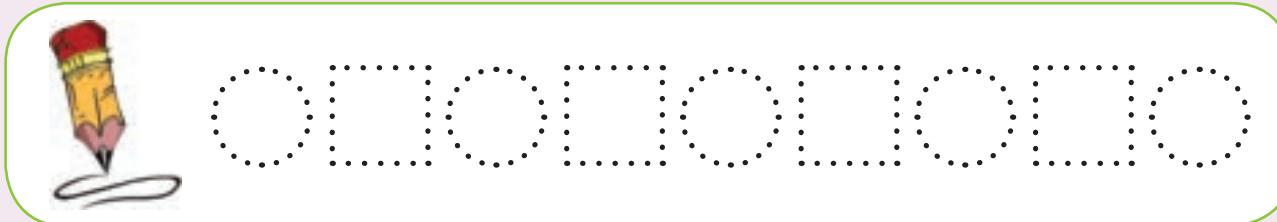


tibolo letitsongo

tibolo letikulu

mabokisi lamatsongo

mabokisi lamakulu

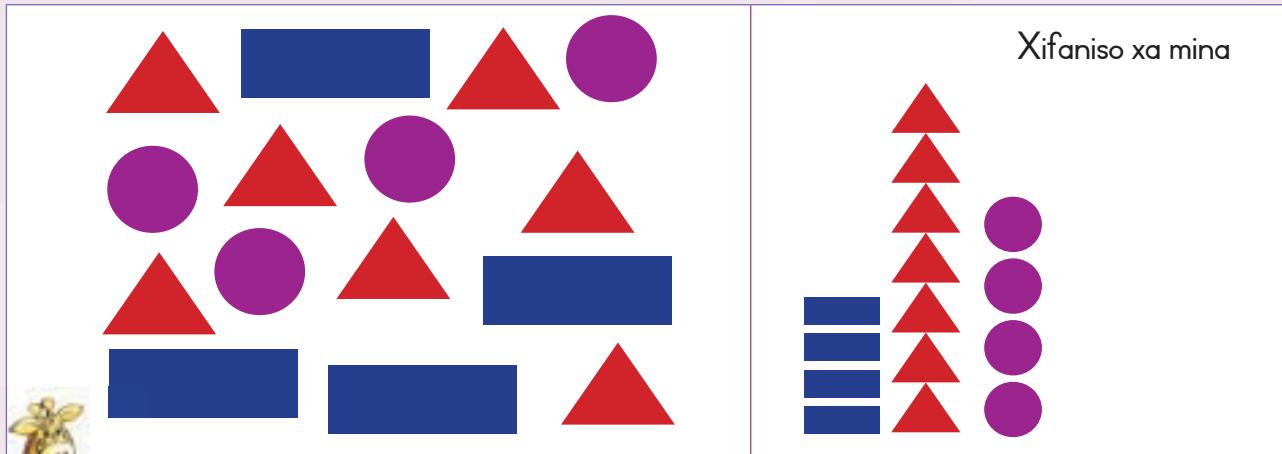


Teacher:

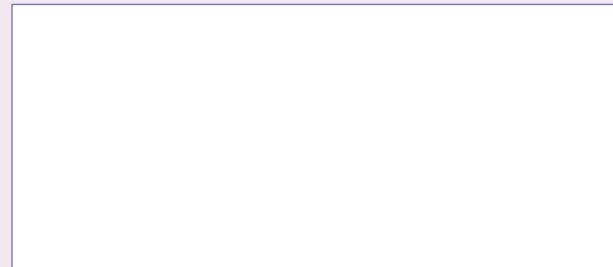
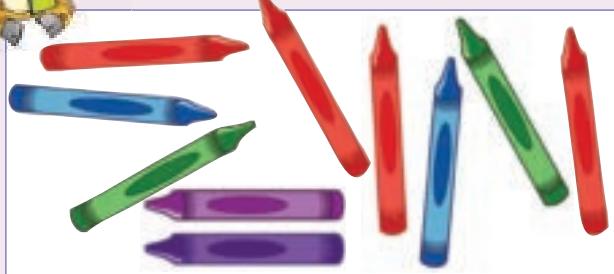
Sign:

Date:

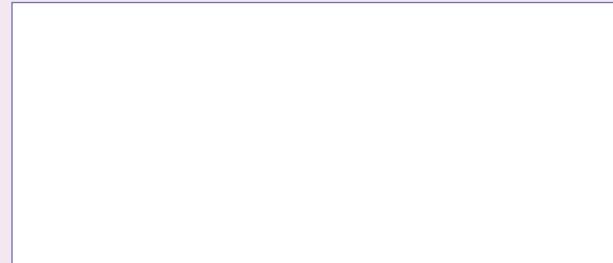
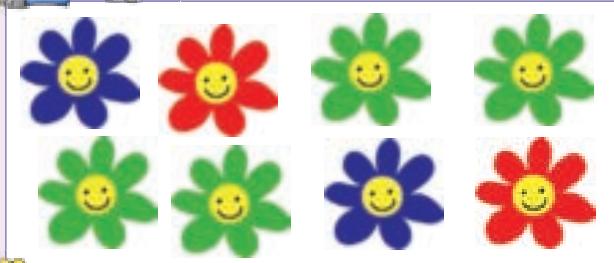
Ku hlaya no hlamusela



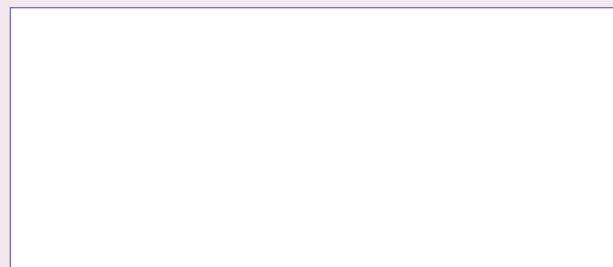
Hlawula tikhirayoni. Ti dirowe.



Hlawula swiluva. Swi dirowe.

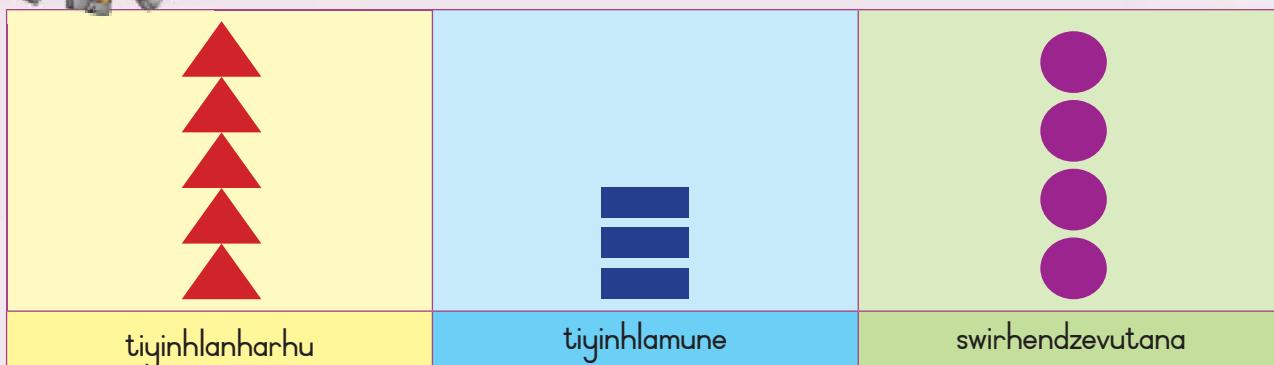


Hlawula mapapa na mikwangulatilo. Swi dirowe.





Hlamula swivutiso.



Xana ku na tiyinhlanhharhu tingani?

Xana ku na tiyinhlamune tingani?

Xana ku na swirhendzevutana swingani?

Xana ku na tiyinhlanhharhu kumbe tiyinhlamune to tala?

Xana ku na swirhendzevutana kumbe tiyinhlanhharhu to tala?

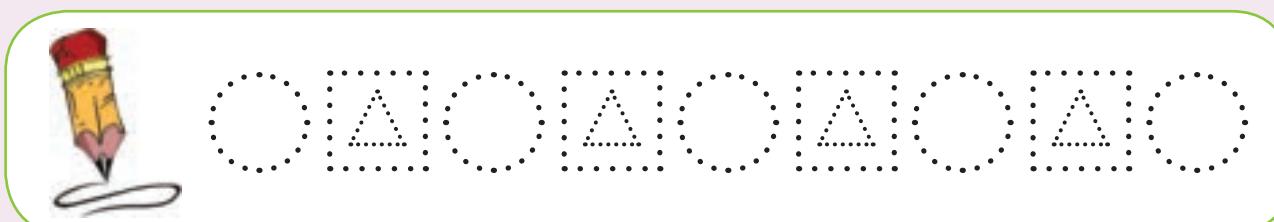
Xana ku na swirhendzevutana kumbe tiyinhlamune to tala?



Xana ku na tjeke to va hava nchumu tingani?

Xana ku na tjeke leti nga tala hafu tingani?

Xana ku na mabodhlela lama nga tala mangani?



Teacher:

Sign:

Date:

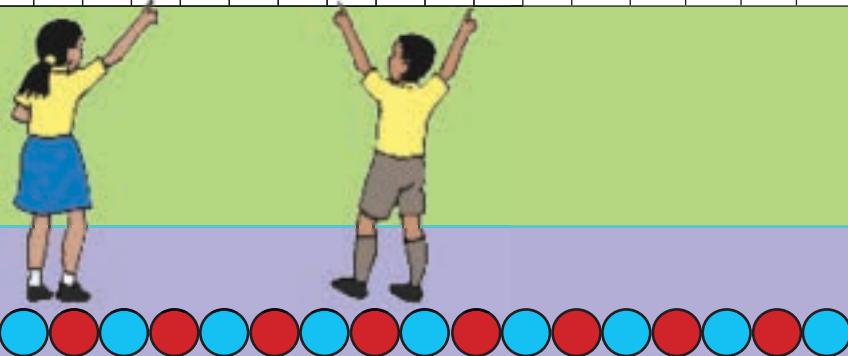


Emahlweni, endzhaku na le xikarhi

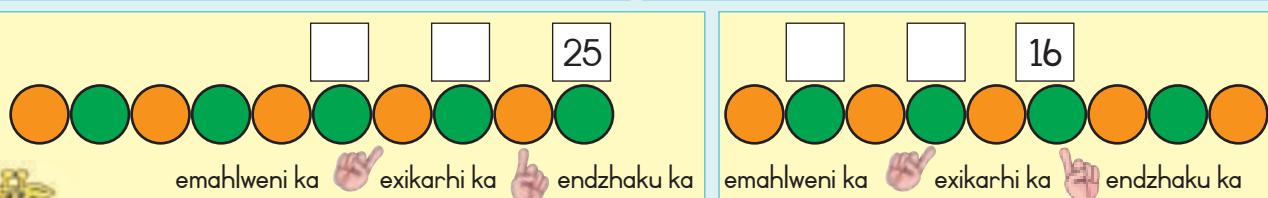
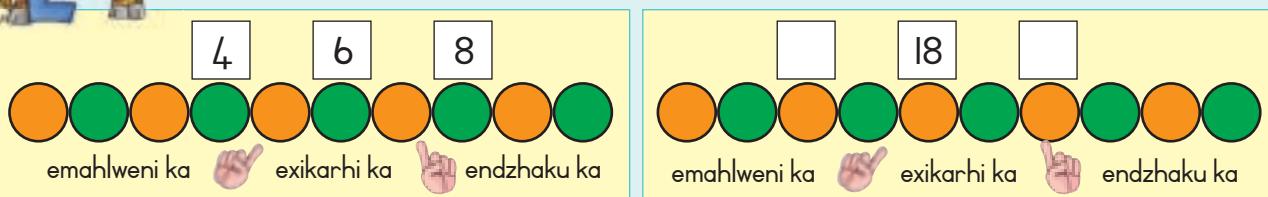
Hlamusela tinomboro hi ku tirhisa marito ya emahlweni ka, exikarhi ka na endzhaku ka.

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

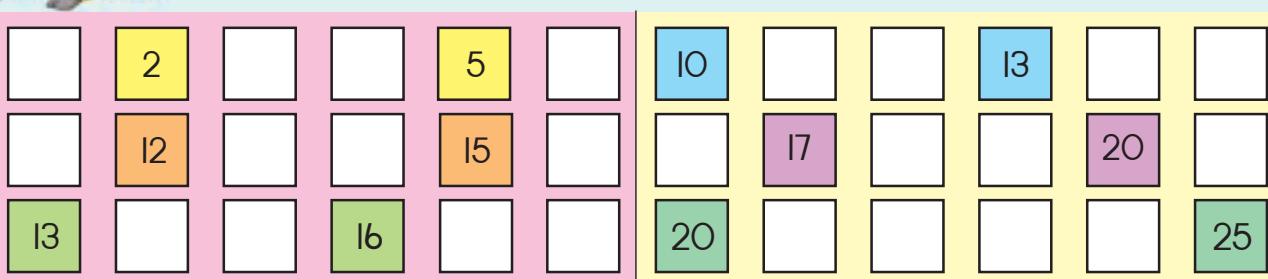
Xikombiso: Bolo
yin'wana na yin'wana yo
tshwuka yi le xikarhi ka
tibolo timbirhi ta wasi.



Tsala tinomboro leti faneleke eswikwereni.



Tata tinomboro leti siyiweke.



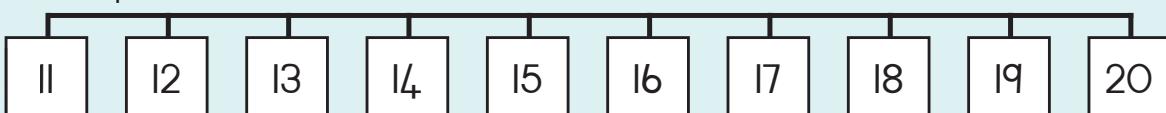
Xana i nomboro yihi leyi nga emahlweni ka **8**? _____

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

Xana i tinomboro tihi 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:



18

Kotara ya |



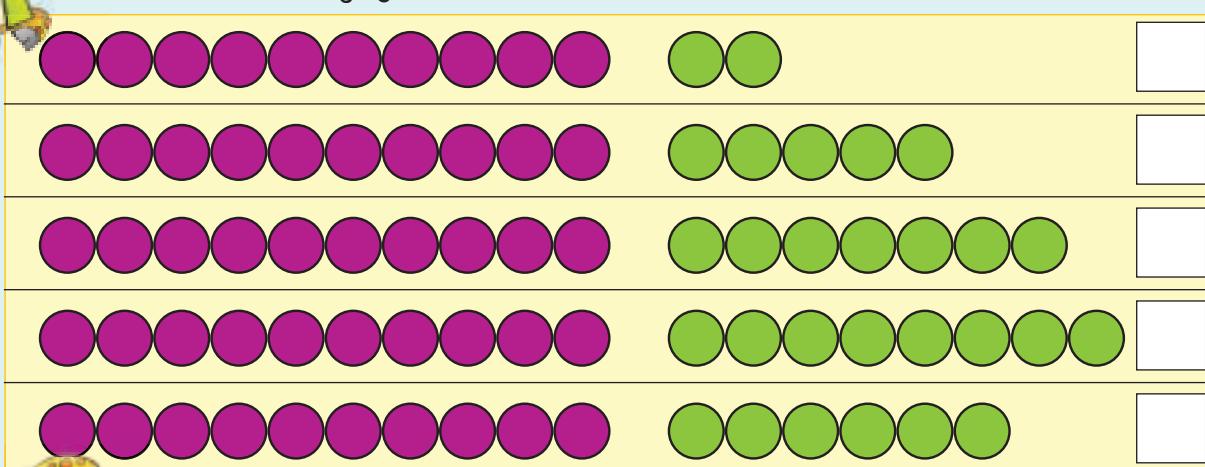
Siku:

Tinomboro ta 1 – 30

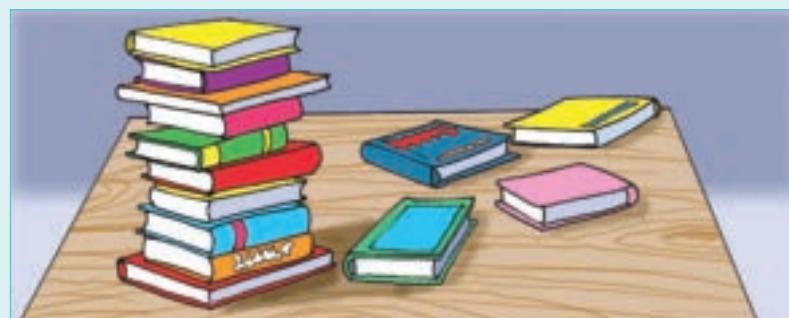
Xana ku na tibuku tingani?
Xana ku na mabodhlela ya pende mangani?



Xana ku na vuhlalu byingani?

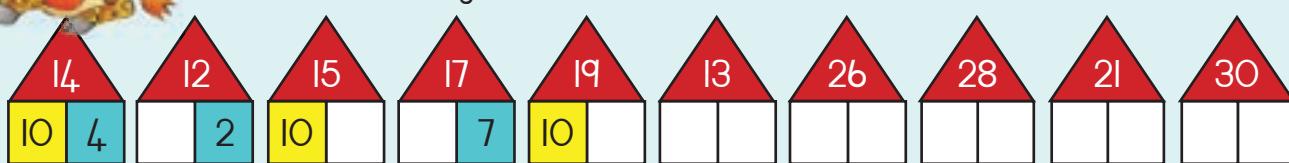


Xana ku na tibuku tingani?





Tata tinomboro leti siyiweke.





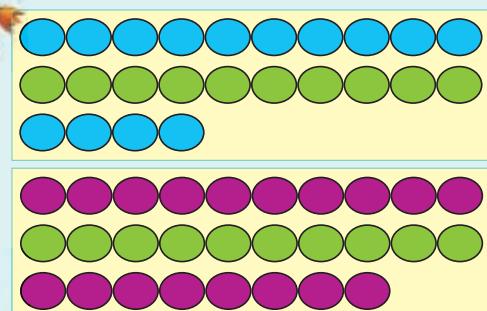
Languta xikombiso xo sungula kutani u hetisa leswi landzelaka.



18	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td></tr></table>	1	vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>8</td></tr></table>	8	vun'we	kumbe	18	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>10</td></tr></table>	10	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>8</td></tr></table>	8
1																
8																
10																
8																
15	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vun'we	kumbe	15	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>	
19	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vun'we	kumbe	19	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>	
22	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vun'we	kumbe	22	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>	
24	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vun'we	kumbe	24	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>	



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	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>2</td></tr></table>	2	vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>5</td></tr></table>	5	vun'we
2								
5								
13	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vun'we
26	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vun'we

22	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>2</td></tr></table>	2	vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>2</td></tr></table>	2	vun'we
2								
2								
21	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vun'we
19	=	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vukhume	+	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td></tr></table>		vun'we



Teacher:
Sign:
Date:

|q

Kotara ya |



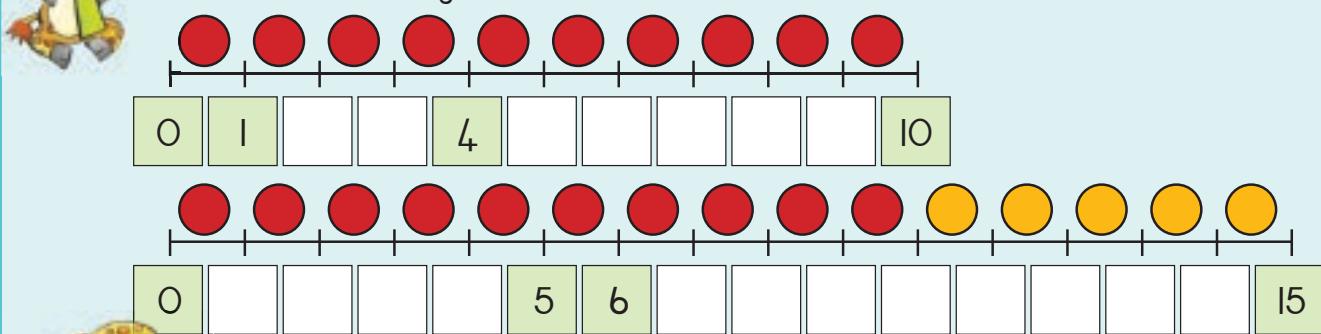
Siku:

.....

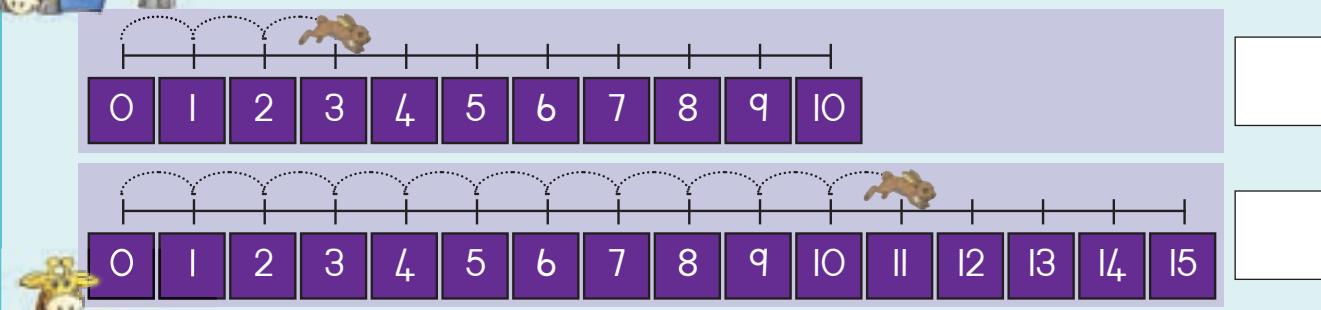
Mindzhati ya mitsengo



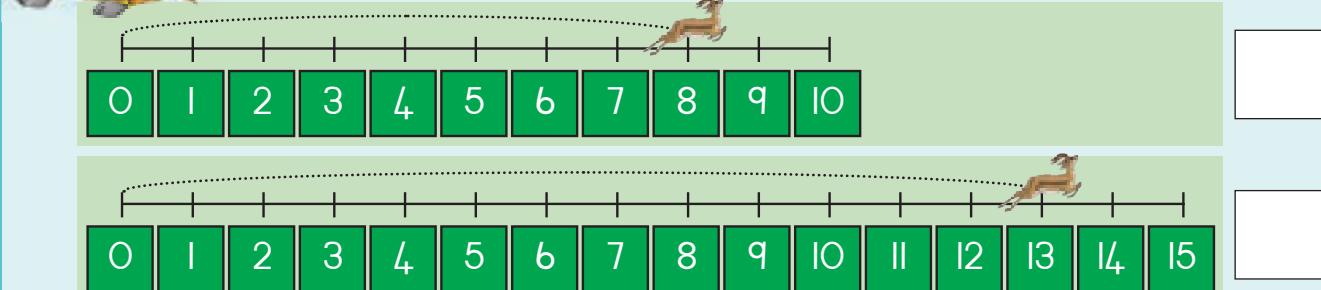
Tsala tinomboro leti siyiweke.

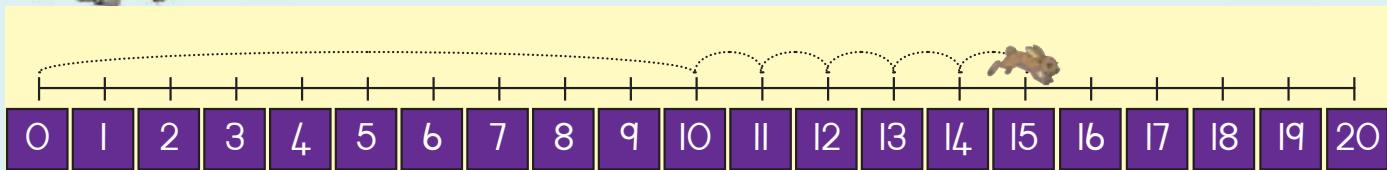


Xana mpfundla wu tlule ku fika kwihi? Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.

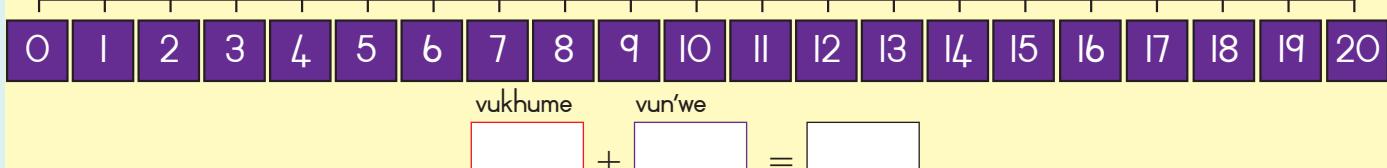


Xana mhala yi tlule ku fika kwihi? Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.

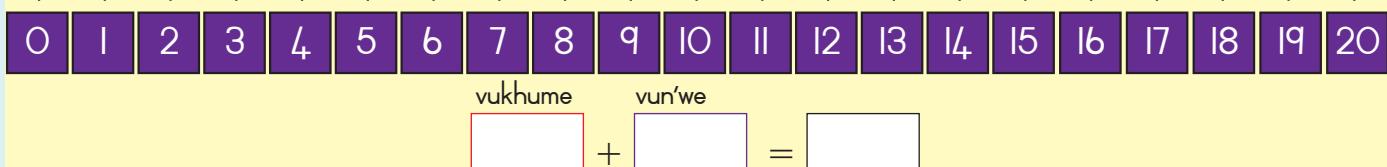




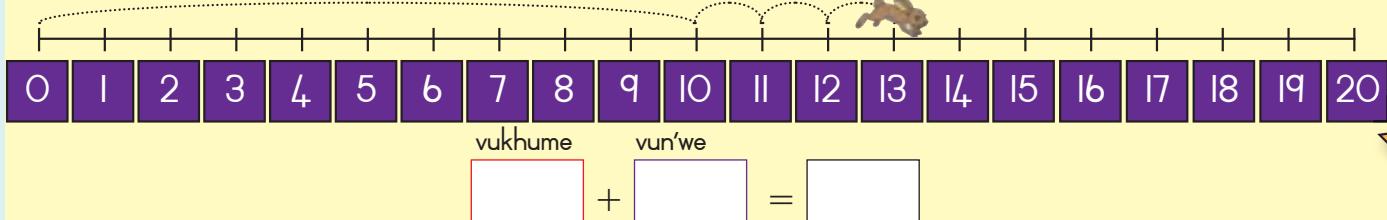
$$\boxed{10} + \boxed{5} = \boxed{\quad}$$



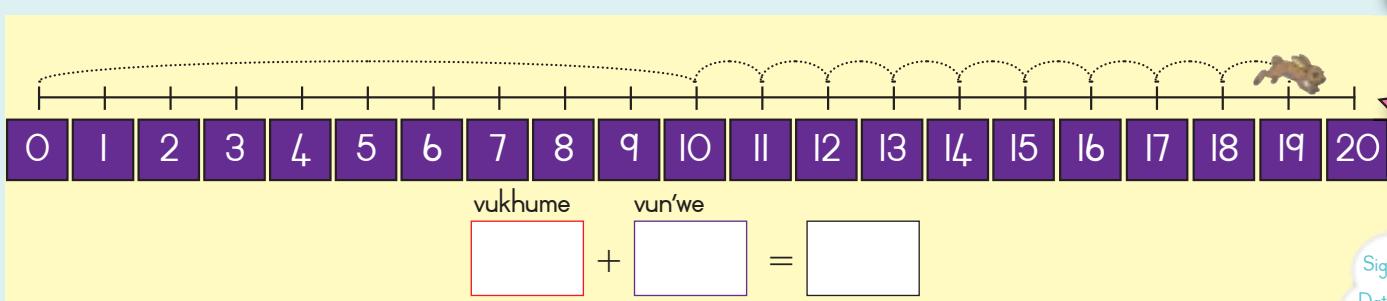
$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$



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



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



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



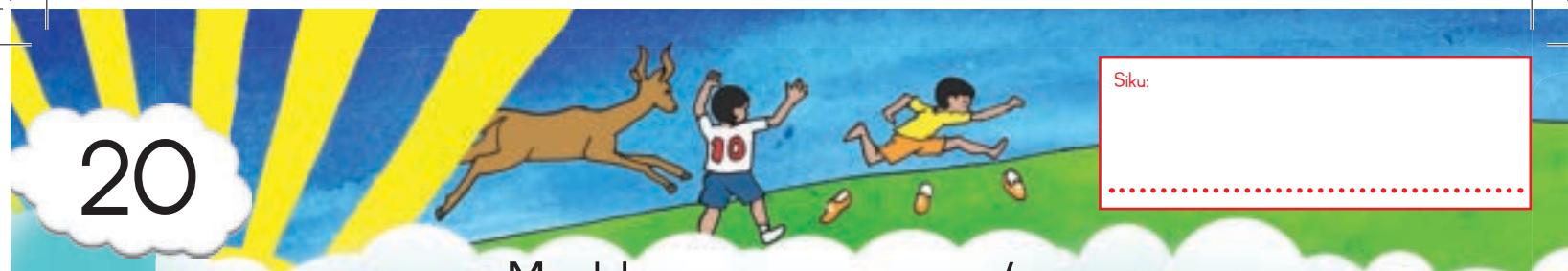
Teacher:

Sign:

Date:

20

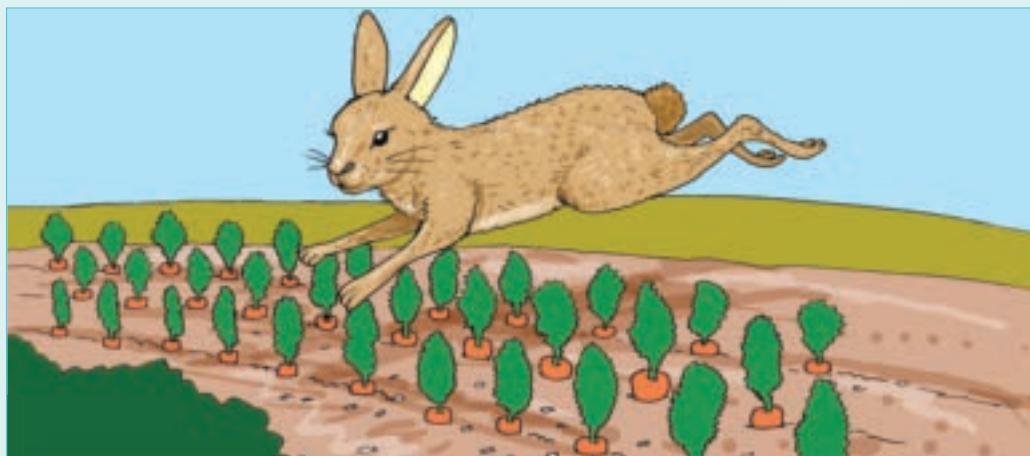
Kotara ya |



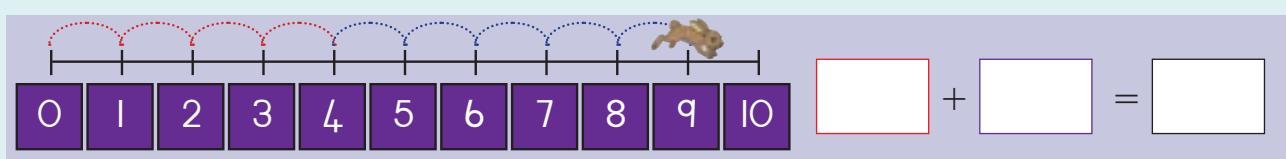
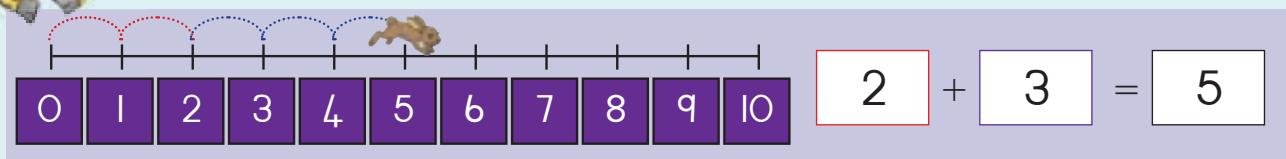
Siku:

.....

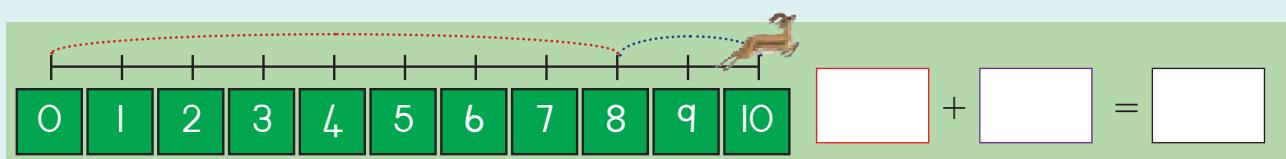
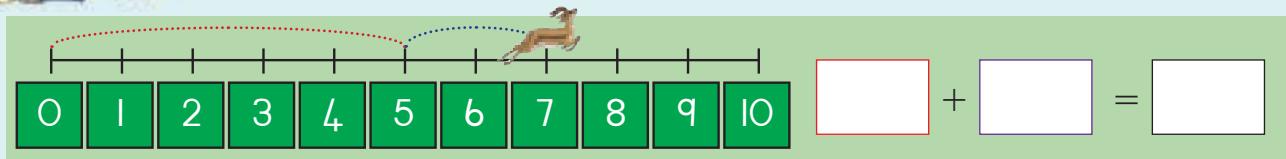
Mindzhati ya mitsengo yin'wana



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

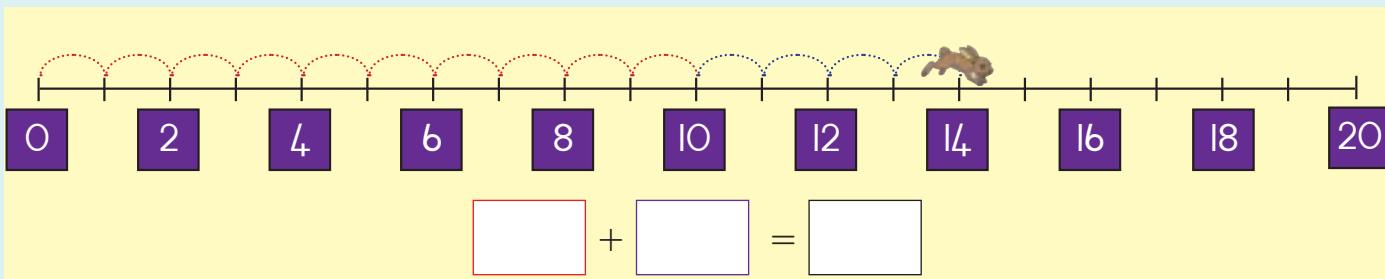
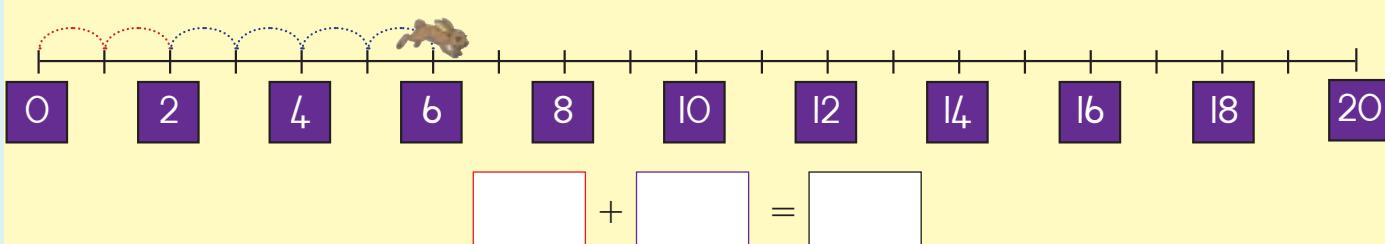


Pfuna mhala ku tsala nhlayo.
Tirhisa ndzhati wa mitsengo ku ku pfuna ku kuma tinhlamulo.

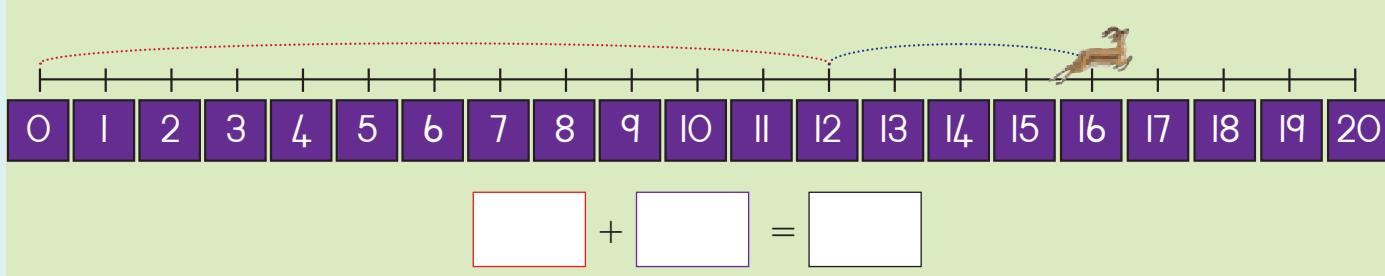
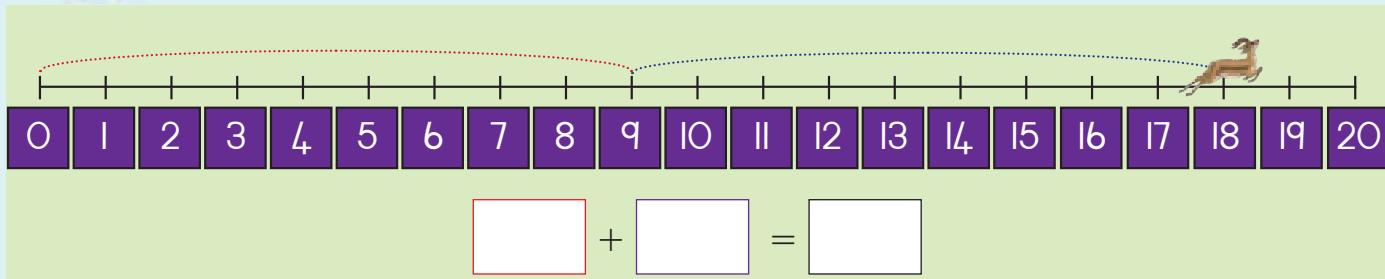




Pfuna mpfundla ku tsala nhlayo.



Pfuna mhala ku tsala nhlayo.



Teacher:

Sign:

Date:

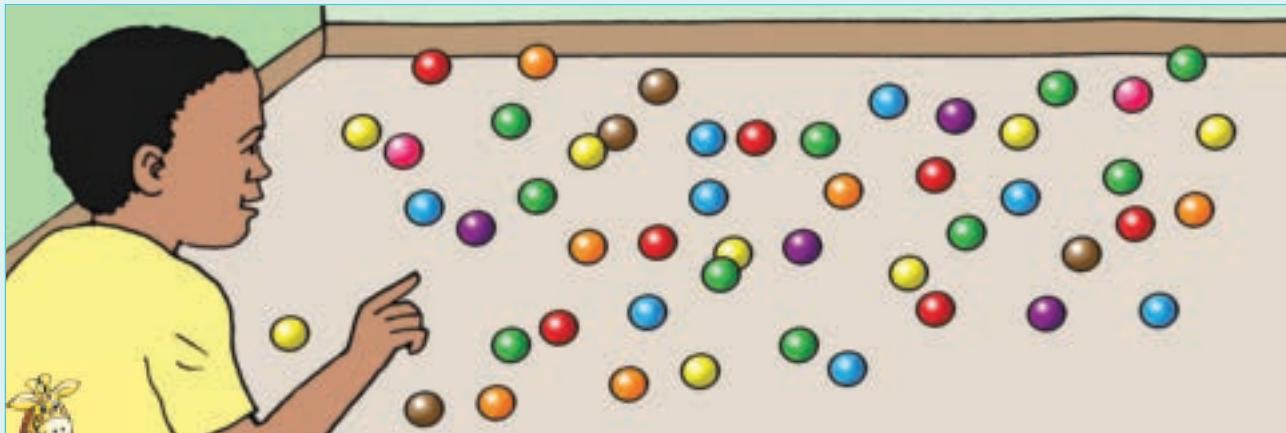
2I

Kotara ya |



Siku:

Ku hlanganisa na ku susa



Tsala nhlayo
ya vuhlalu.

Xana ku na vuhlalu byo tshwuka byingani?

Xana ku na vuhlalu bya wasi byingani?

Xana ku na
vuhlalu byingani
hinkwabyo?

Xana ku na vuhlalu bya rihlaza byingani?

Xana ku na vuhlalu bya xilamula byingani?

Xana ku na vuhlalu bya xivunguvungu byingani?

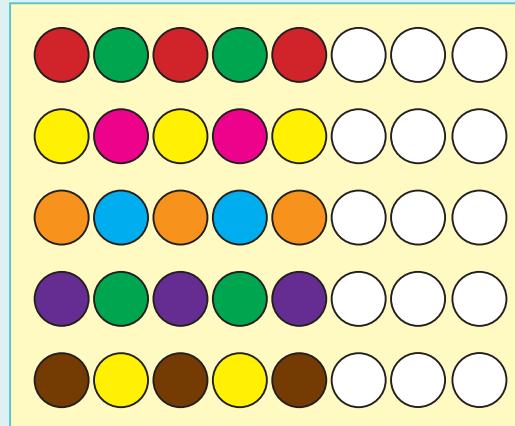


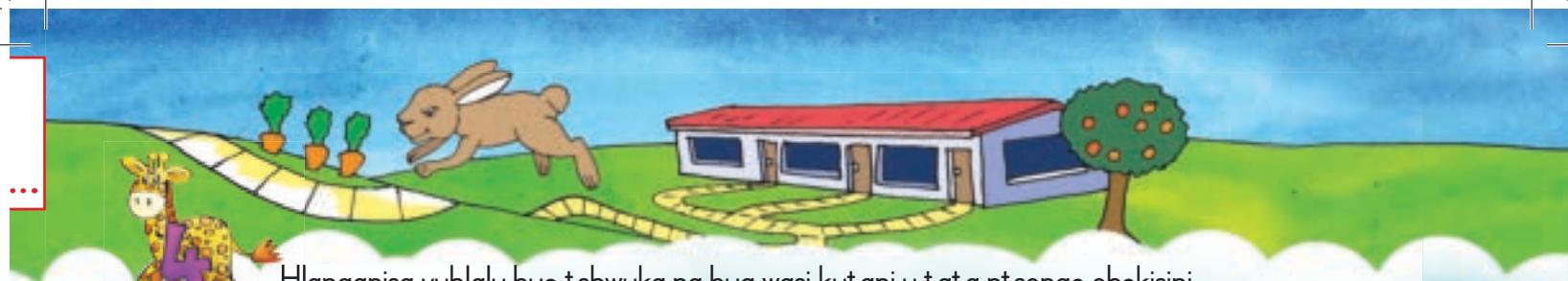
Tsala nhlayo ya vuhlalu bya muhlovo wun'wana na wun'wana eka mabokisi lama
faneleke kutani u byi hlanganisa.

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



Hetisa patironi.





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

	+		=	15		
8	+	7	=			
	+		+		=	
8	+	2	+	5	=	
	+		=			
9	+	6	=			
	+		+		=	
9	+	1	+	4	=	



Pananisa xifaniso na ntsengo lowu faneleke kutani u tata nhlamulo.

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



Tsala ntsengo wa:

	$q - b = 3$
	$\square - \square = \square$
	$\square - \square = \square$
	$\square - \square = \square$



Teacher:

Sign:
Date:

Masiku, mavhiki na tin'hweti

Siku:

Musumbhunuku

Ravumbirhi

Ravunharhu

Ravumune

Ravuntlhanu

Mugqivela

Sonto

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

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? _____

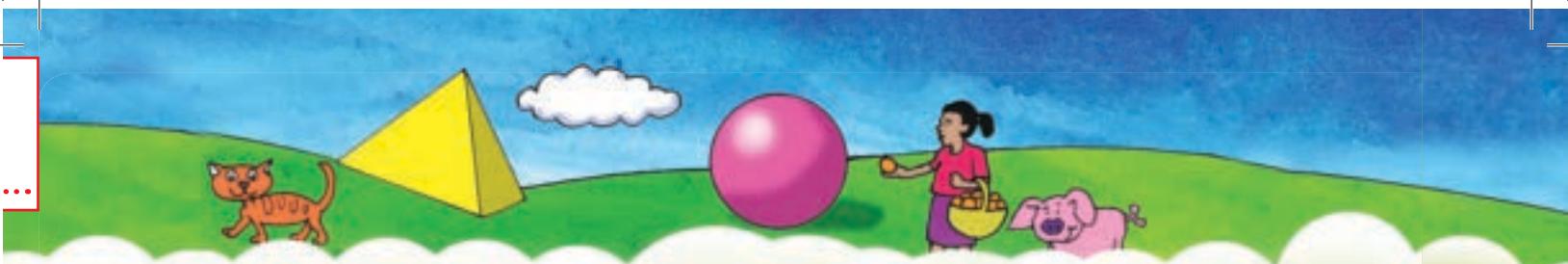
Xana i n'hweti yihi yi taka endzhaku ka Khotavuxika?

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

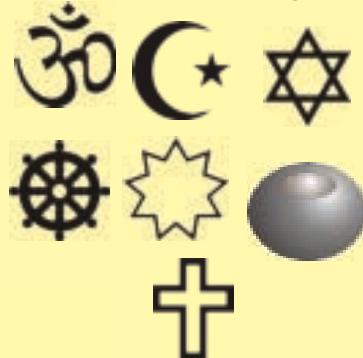
Xana i tin'hweti tihi ti taka exikarhi ka Sunguti na Khotavuxika?

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 Mbuyeletano

Siku ra mina ra ku
velekiwa



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

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



Teacher:

Sign:
Date:

23a

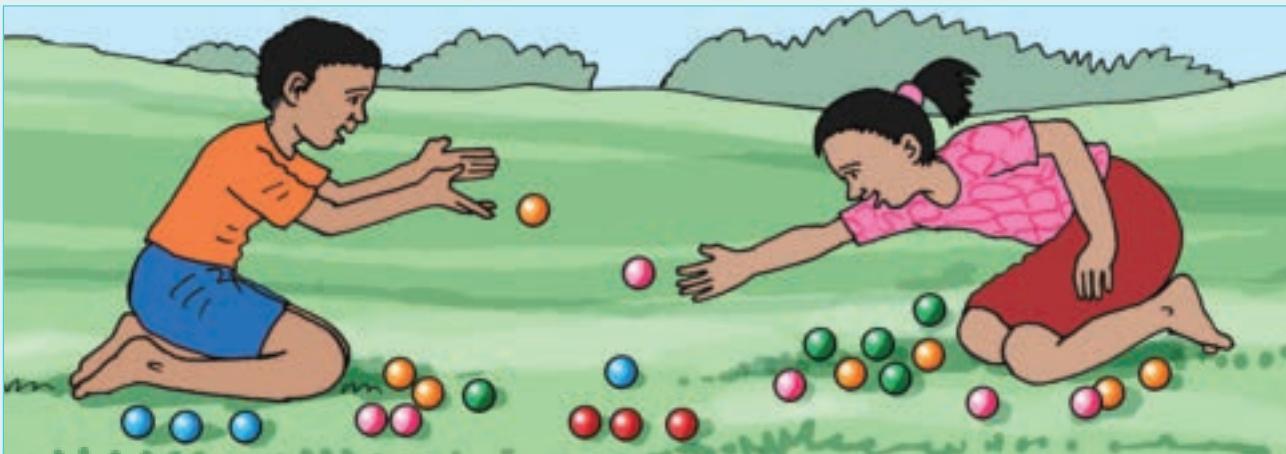
Kotara ya |



Siku:

.....

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"/>



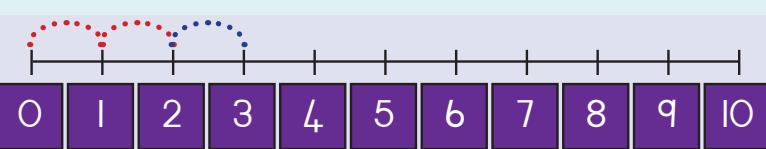
Tsala nhlayo ya:



$$2 + 3 = 5$$



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



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

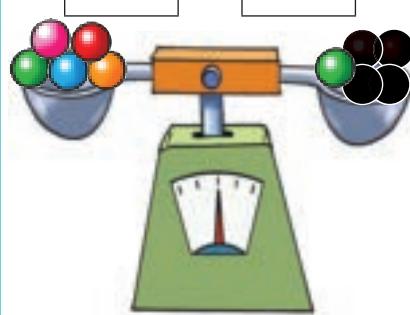


$$\boxed{} + \boxed{} = \boxed{}$$

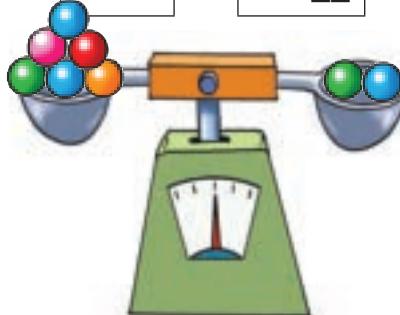


Hlanganisa vuhlalu ku endla leswaku swikalu swi ringana. Hi ku endlele xo sungula.

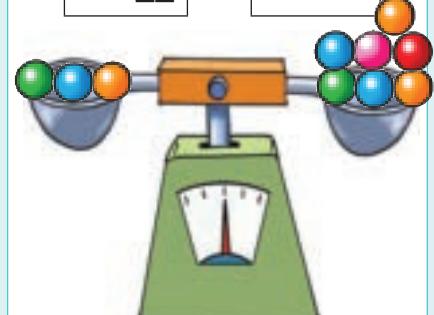
$$5 = 1 + 4$$



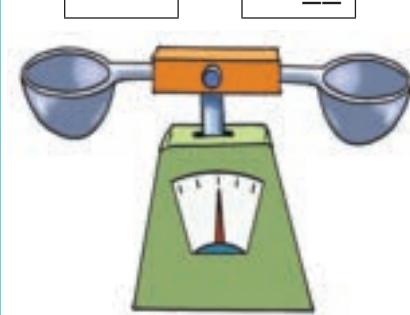
$$6 = 2 + \underline{\quad}$$



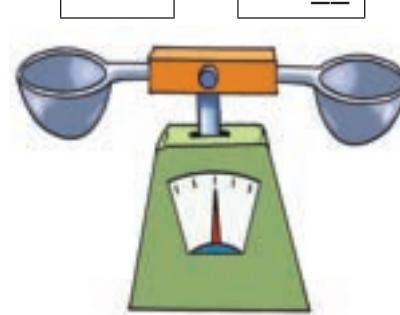
$$3 + \underline{\quad} = \boxed{}$$



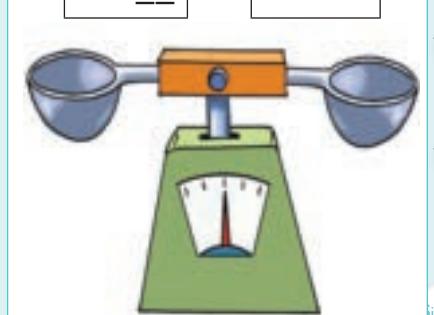
$$2 + 1 = 1 + \underline{\quad}$$



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



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



Teacher:

Date:

23b

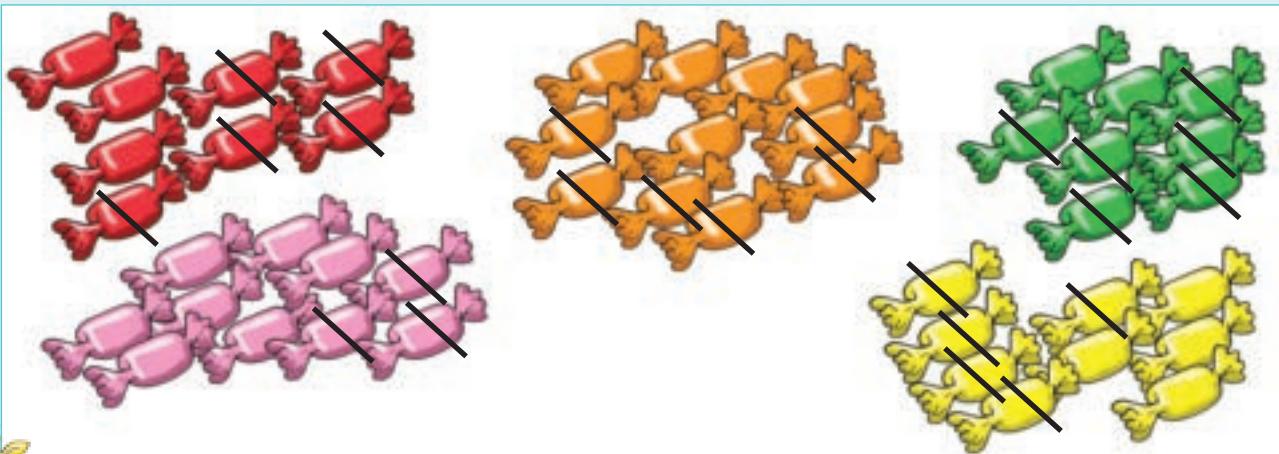
Kotara ya |



Siku:

.....

Ku susa



Languta xifaniso kutani u tsala tinhlayo ta ku susa.



$$\text{swiwitsi swo tshwuka} = \boxed{8} - \boxed{5} = \boxed{3}$$

$$\text{swiwitsi swa rihlaza} = \boxed{} - \boxed{} = \boxed{}$$

$$\text{swiwitsi swa xitshopana} = \boxed{} - \boxed{} = \boxed{}$$

$$\text{swiwitsi swa buraweni} = \boxed{} - \boxed{} = \boxed{}$$

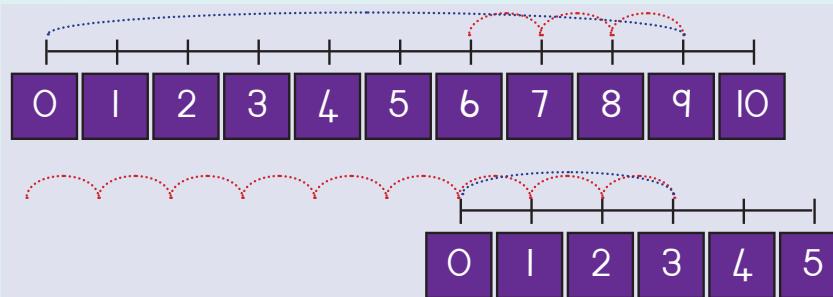
$$\text{swiwitsi swa pinki} = \boxed{} - \boxed{} = \boxed{}$$



Susa.

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

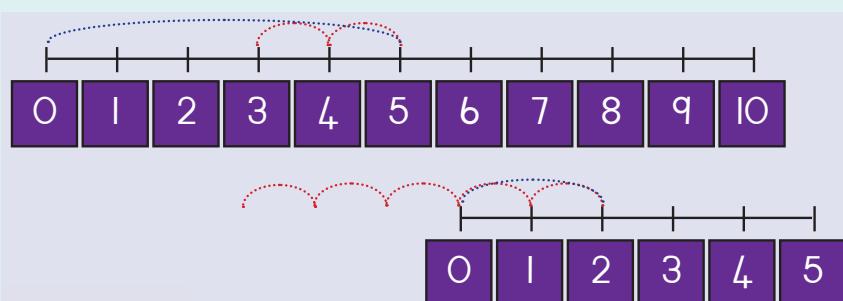




$$\boxed{q} - \boxed{3}$$

A yi ringani na

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



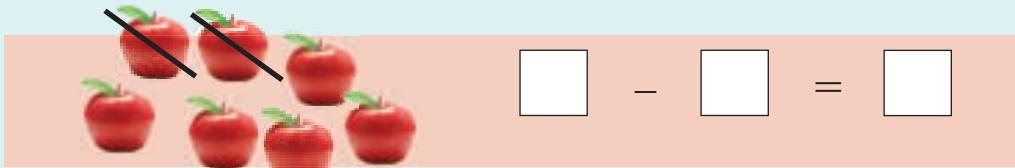
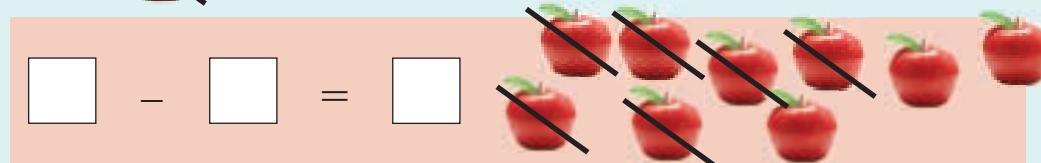
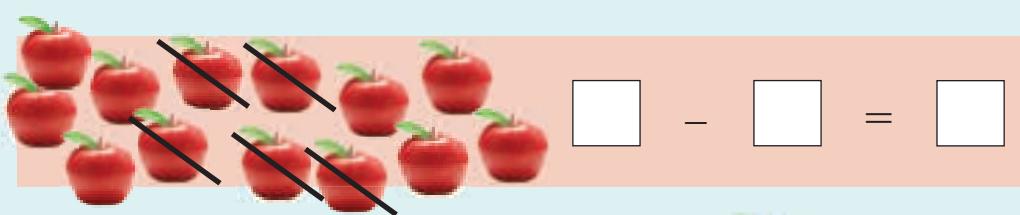
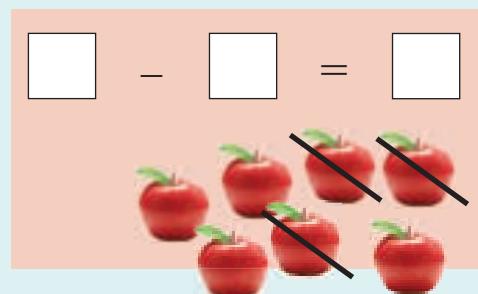
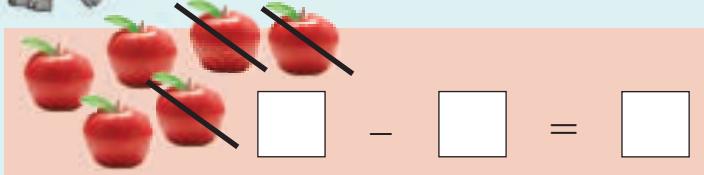
$$\boxed{5} - \boxed{2}$$

A yi ringani na

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



Tsala nhlayo ya:



Teacher:

Sign:
Date:



24

Kotara ya |



Siku:

.....

Ku hlanganisa kun'wana



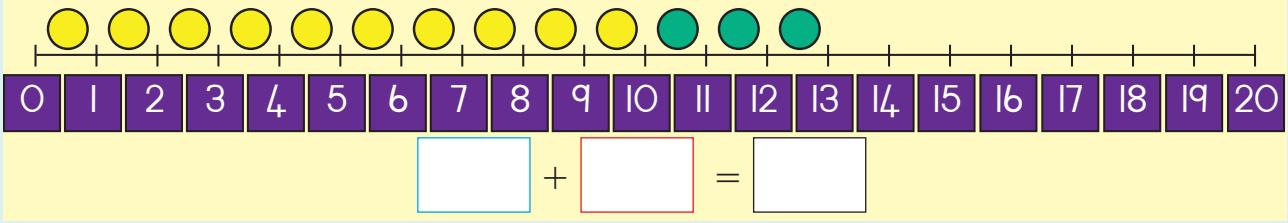
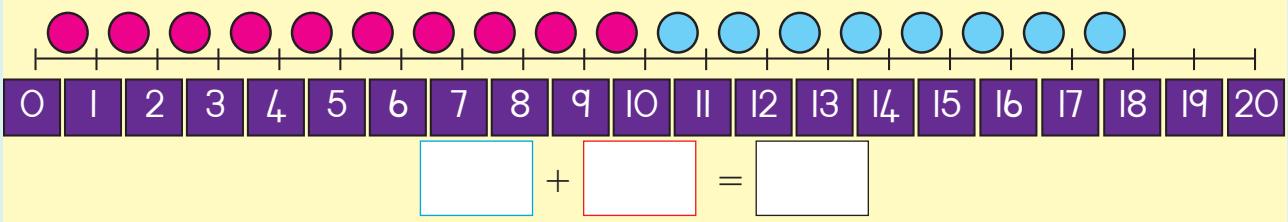
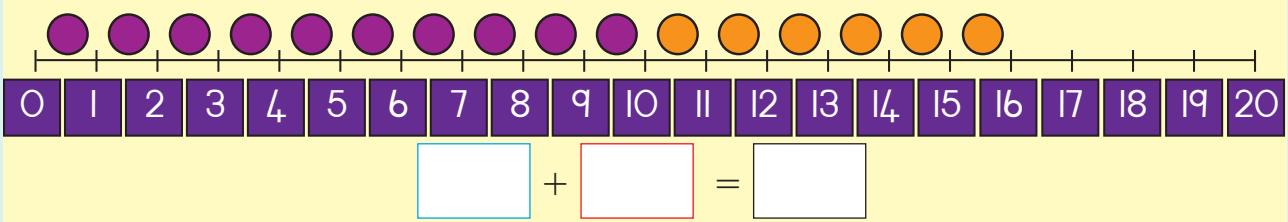
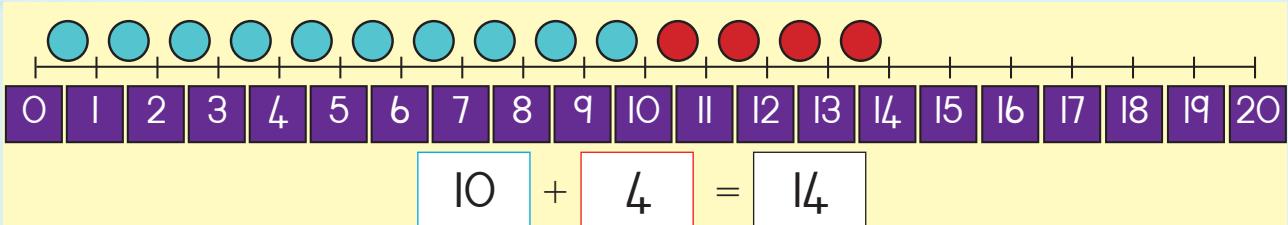
Hlanganisa tinomboro eka buloko yin'wana na yin'wana kutani u tsala ntsengo.

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:

$10 + 3 = 13$	$10 + 2 = \boxed{}$
$10 + 5 = \boxed{}$	$10 + 7 = \boxed{}$
$10 + 1 = \boxed{}$	$10 + 6 = \boxed{}$
$10 + 4 = \boxed{}$	$10 + 8 = \boxed{}$
$10 + 9 = \boxed{}$	$10 + 3 = \boxed{}$



Hlanganisa:

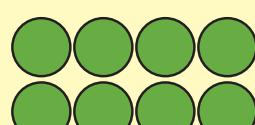
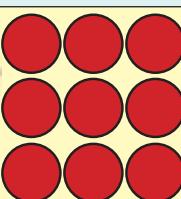
$16 + 13$			$14 + 12$		
$10 + 10 = 20$	$10 + 10 = \boxed{}$				
$6 + 3 = 9$	$\boxed{} + \boxed{} = \boxed{}$				
$16 + 13 = 29$	$\boxed{} + \boxed{} = \boxed{}$				

$17 + 11$			$15 + 13$		
$10 + 10 = \boxed{}$					
$7 + 1 = \boxed{}$	$\boxed{} + \boxed{} = \boxed{}$	$\boxed{} + \boxed{} = \boxed{}$	$5 + 3 = \boxed{}$	$\boxed{} + \boxed{} = \boxed{}$	$\boxed{} + \boxed{} = \boxed{}$
$\boxed{} + \boxed{} = \boxed{}$					

$16 + 12$			$18 + 12$		
$10 + 10 = \boxed{}$					
$6 + 2 = \boxed{}$	$\boxed{} + \boxed{} = \boxed{}$	$\boxed{} + \boxed{} = \boxed{}$	$8 + 2 = \boxed{}$	$\boxed{} + \boxed{} = \boxed{}$	$\boxed{} + \boxed{} = \boxed{}$
$\boxed{} + \boxed{} = \boxed{}$					



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



Xana ntsengo i yini?



Teacher:
Sign:
Date:

25

Kotara ya |



Mali

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

Siku:



Tsema tikhoyjni eka xitsemiwa xa 3 kutani u damarheta mitsengo leyfaneleke laha.





I tisente tingani?

10c

5c

2c

1c

20c

1c

20c

50c

20c

2c

10c

1c

1c

50c

20c

2c

1c

2c

20c

50c

1c

10c



Tinhlayo ta marito:

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

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



Teacher:

Sign:

Date:

11

12

13

14

15

16

17

18

19

20

26

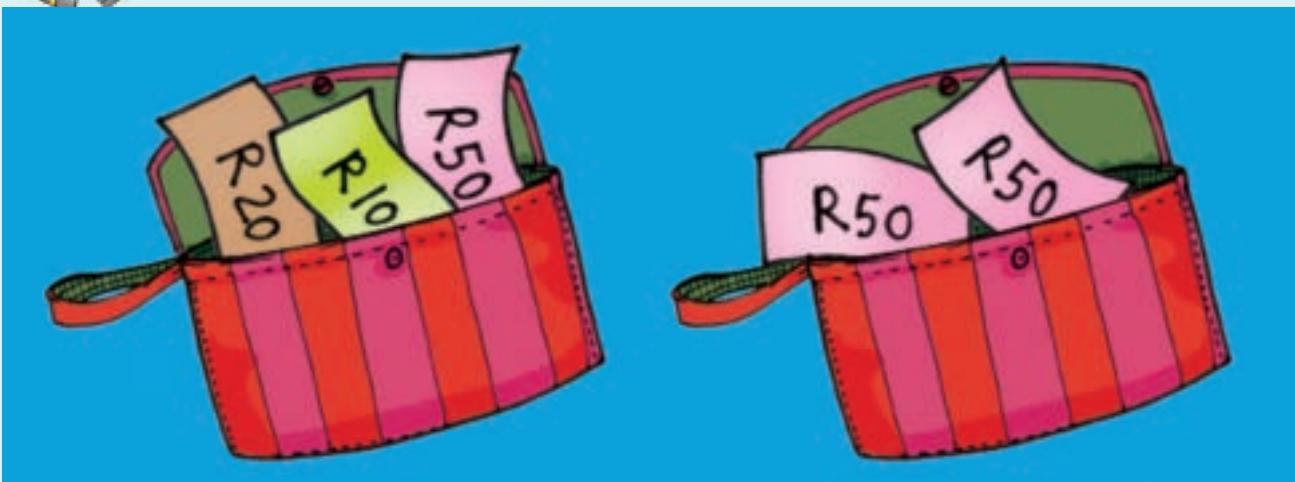
Kotara ya |



Mali ya phepha

Ku na mali muni exipacini xa mina?

Siku:



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

R50



Tinhlayo ta marito:

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

Xana ndzi na mali muni? _____



Teacher:

Sign:

Date:

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

11

12

13

14

15

16

17

18

19

20

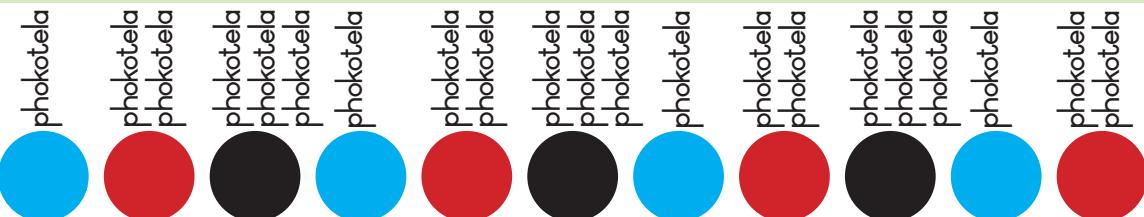
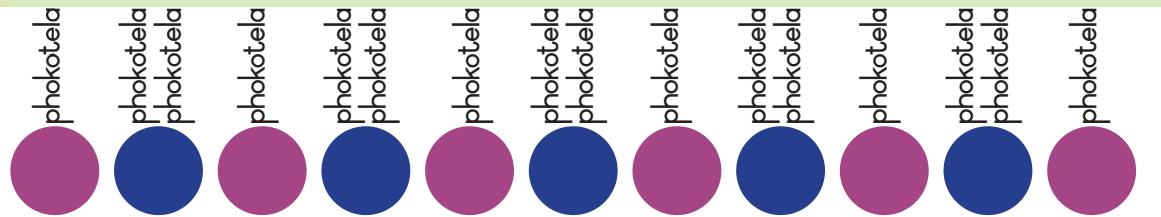
27

Kotara ya |

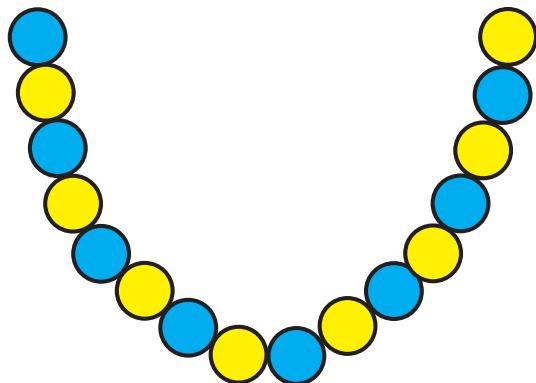


Tipatironi

Phokotelela patironi.



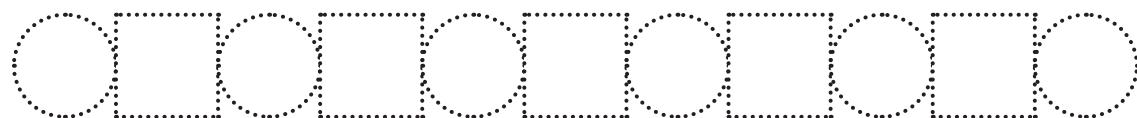
Kopunula patironi. Tirkisa xitsemiwa xa 4.



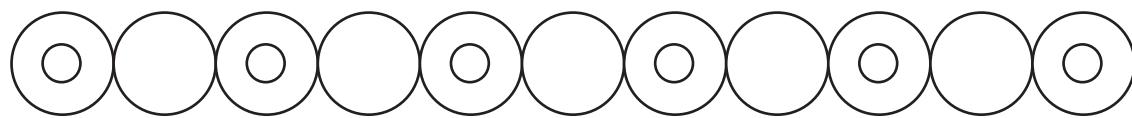
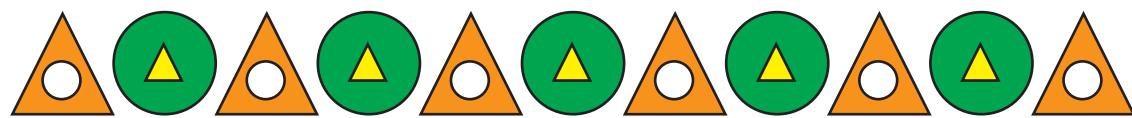
Endla xifaniso xa wena hi vuhlalu lebyj saleke. Tirkisa Xitsemiwa xa 4.



Kopunula tipatironi leti landzelaka.



Kopunula tipatironi.



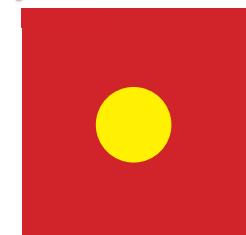
Teacher:
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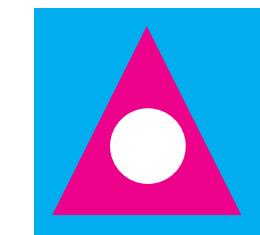
Tipatironi tin'wana



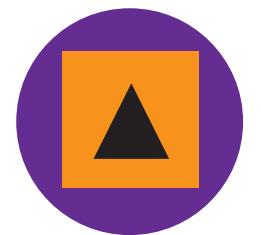
Hlamusela patironi yin'wana na yin'wana hi marito. Marito lama nga laha hansi ya nga ku pfuna.



yinhlamune



xikwere



yinhlanhahru



mihlovo



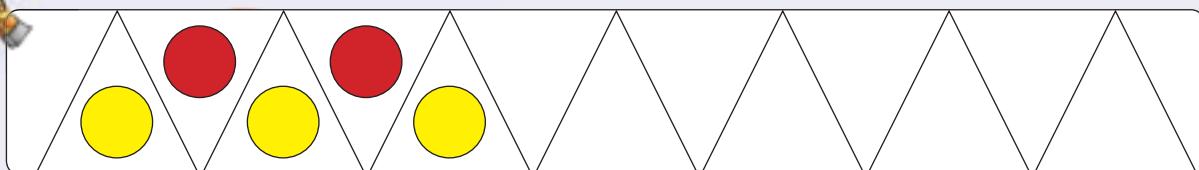
Hlawula u tlhela u khala patironi leyi landzelaka.



Dirowa patironi leyi landzelaka.



Engetela patironi.

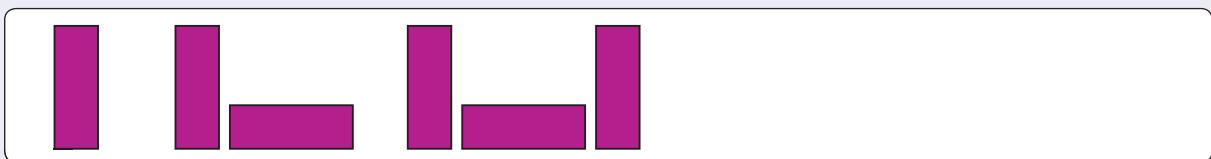
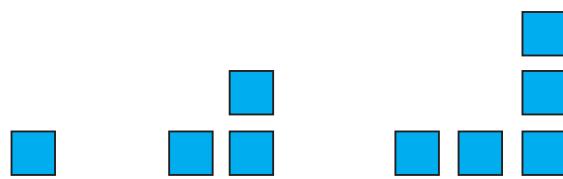




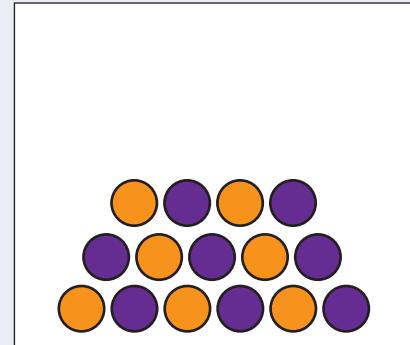
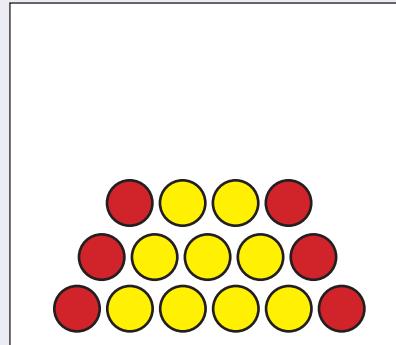
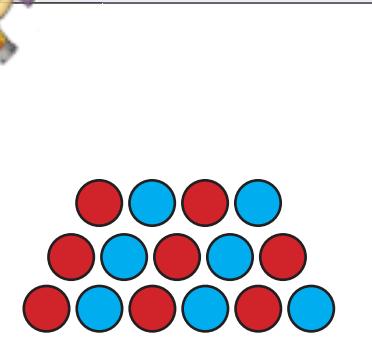
Dirowa tipatironi ta wena hi ku tirhisa



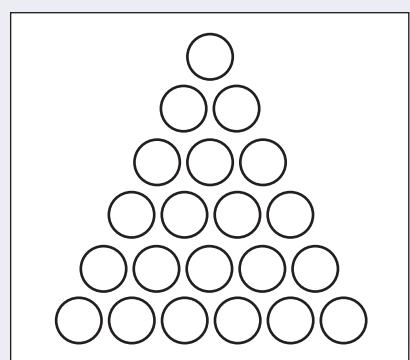
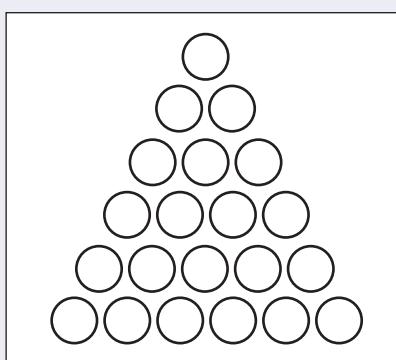
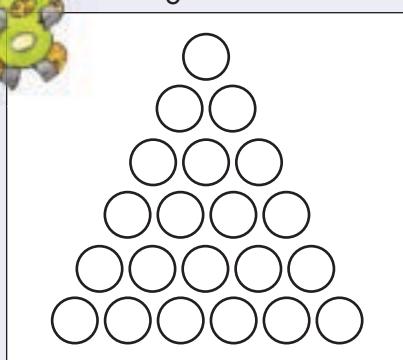
Dirowa patironi leyi landzelaka.



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



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



Teacher:

Sign:
Date:

29

Kotara ya |

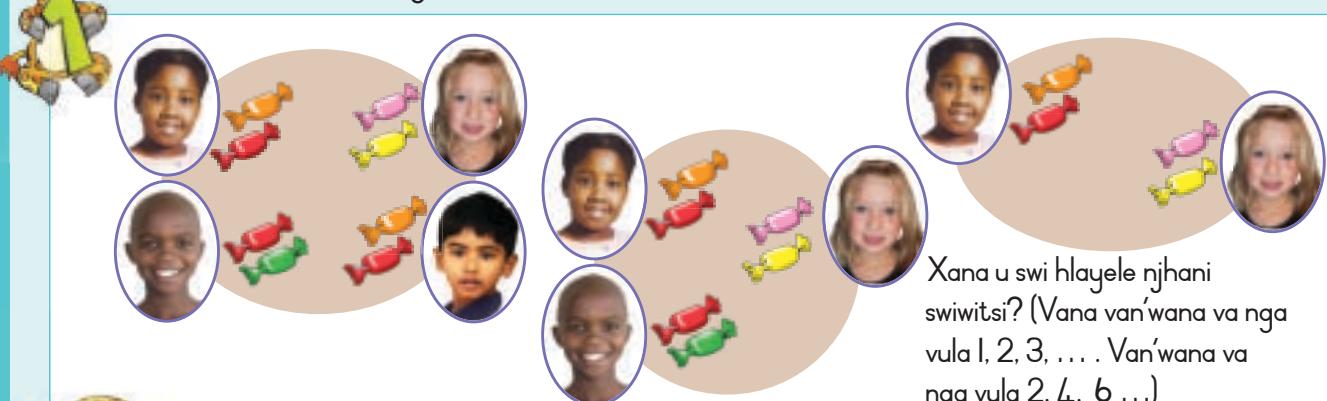


Siku:

.....

Ku andzisa: $\times 2$

Xana ku na swi witsi swingani etafuleni 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:

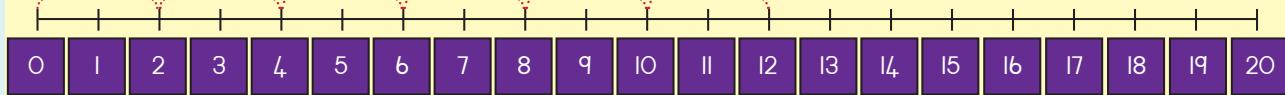
3 wa mintlawa ya 2

4 wa mintlawa ya 2

9 wa mintlawa ya 2



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



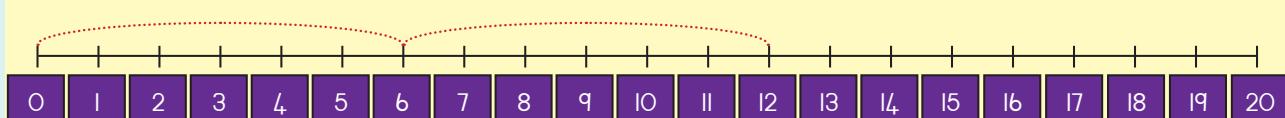
2, 4, 6, 8, ___, ___

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

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

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

Xifaniso



6, ___

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

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

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

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

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

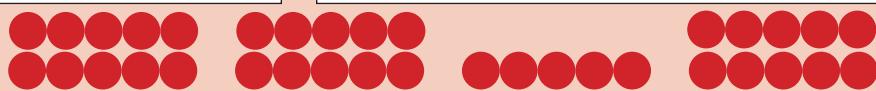
$$4 \times 5 =$$



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.

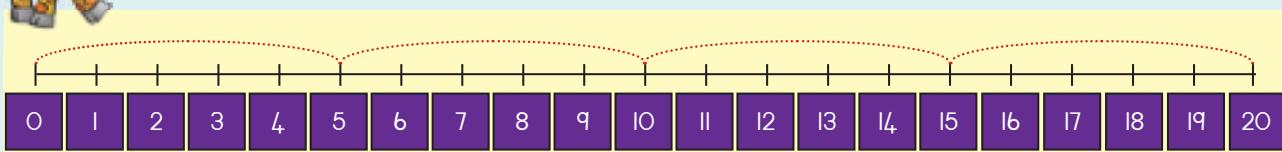
3 wa mintlawa ya 5

4 wa mintlawa ya 5

5 wa mintlawa ya 5



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



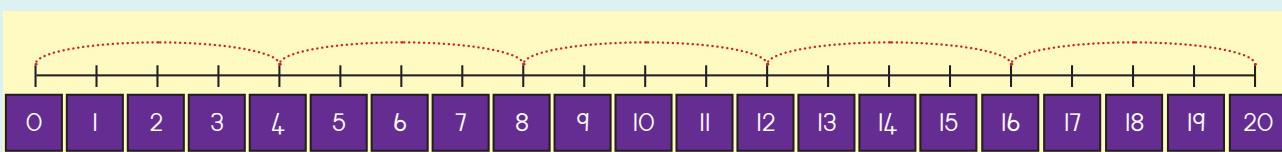
5, 10, 15, ___

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

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

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

Xifaniso



4, 8, 12, ___, ___

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

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

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

Xifaniso



5 10 15 20 25 30
35 40 45 50



Teacher:

Sign:

Date:

3|

Kotara ya |



Switori swin'wana swa ku andzisa

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

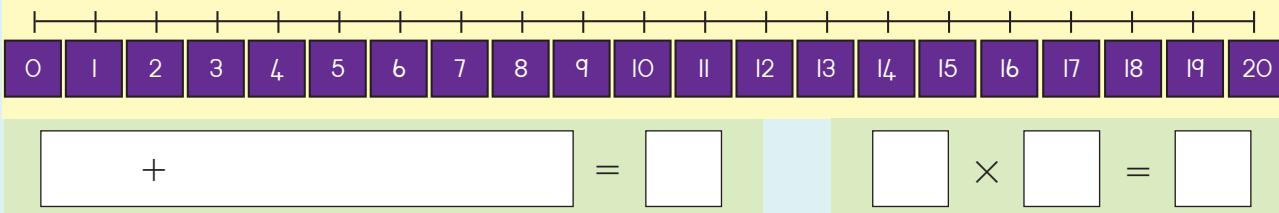


Hi 10 wa vanghana. Xana hi na swandla swingani?

Dirowa xifaniso.

Swi kombise hi swihlayelo.

Swi kombise eka ndzhati wa mitsengo.



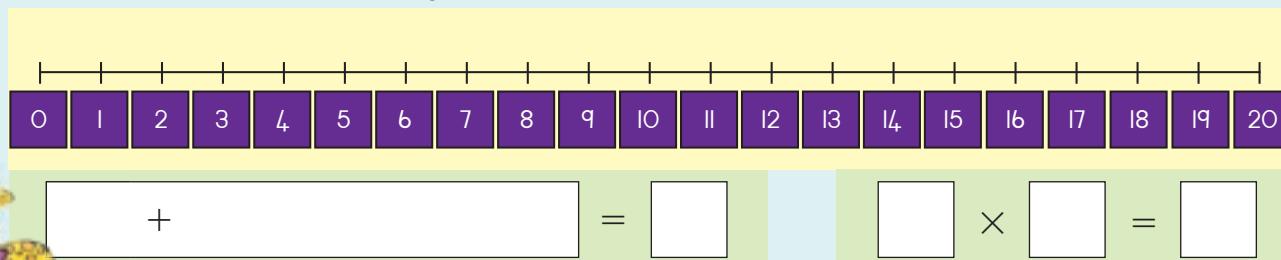


Ndyangu wa ka va Susan wu na 10 wa tiphere ta tintanghu. Xana va na tintanghu tingani?

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.

(This section contains four blank lines for writing.)



Teacher:

Sign:

Date:

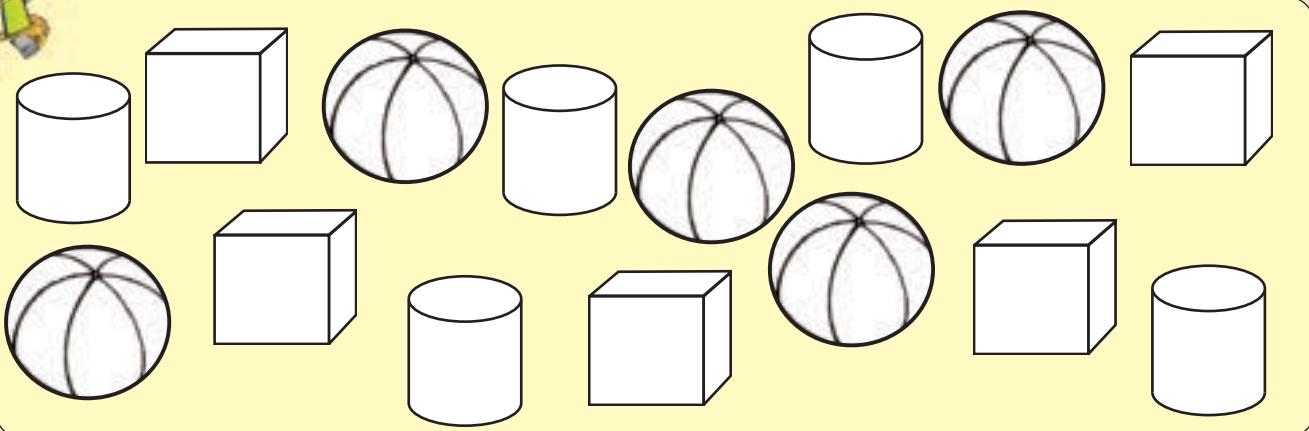


Siku:

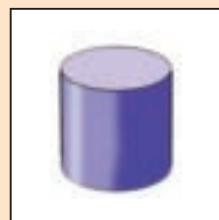
Swilo swa 3 wa mathlheloo



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

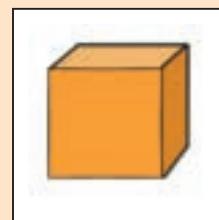


Hlawula rito leri faneleke.



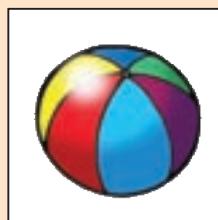
makumu yo thwixi

makumu ya njhikwa



makumu yo thwixi

makumu ya njhikwa



makumu yo thwixi

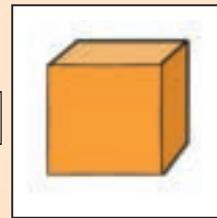
makumu ya njhikwa



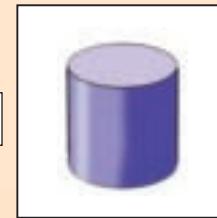
Vula loko nchumu wu ta khunguluka kumbe wu ta rheta.



khunguluka
rheta



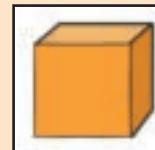
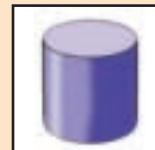
khunguluka
rheta



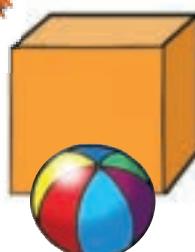
khunguluka
rheta



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

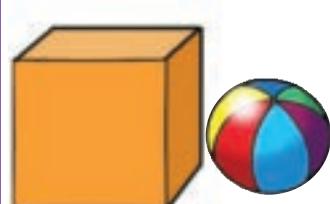


Xana bolo yi le kwihi? Emahlweni ka bokisi? Etlhelo? Endzhaku? Ehenhla?



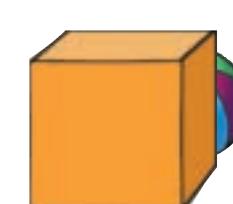
emahlweni ka _____
etlhelo ka _____

endzhaku ka _____
ehenhla ka _____



emahlweni ka _____
etlhelo ka _____

endzhaku ka _____
ehenhla ka _____



emahlweni ka _____
etlhelo ka _____

endzhaku ka _____
ehenhla ka _____



Teacher:

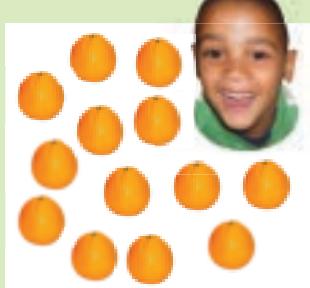
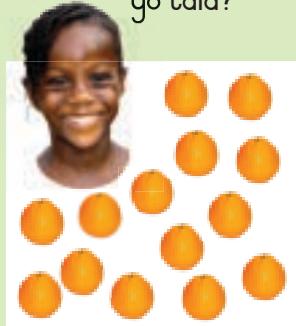
Sign:
Date:



Longoloxa u tlhela u ringanisa tinomboro: 1 – 40



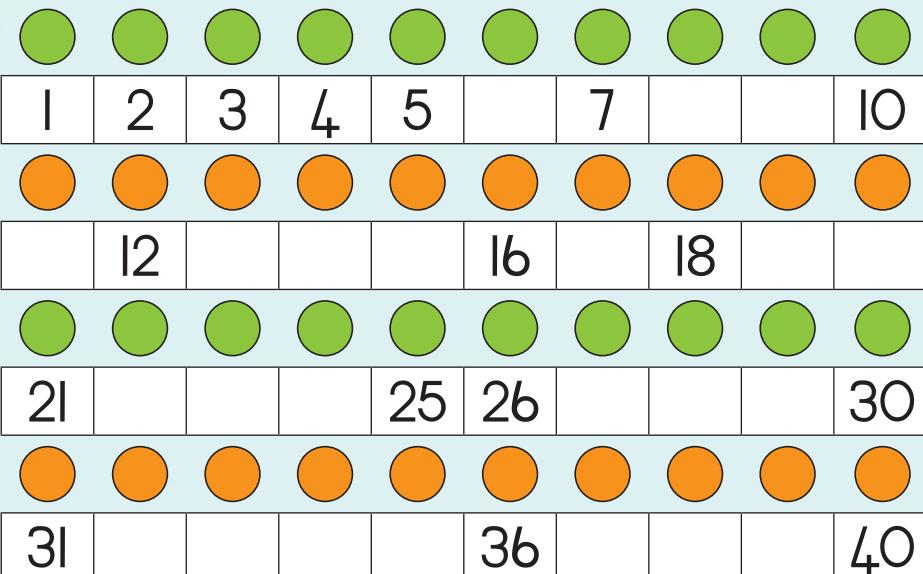
Xana i mani a nga na malamula yo tala?



Xana i mani a nga na maapula yo tala?



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



Languta vuhlalu kutani u hlamula swivutiso.

Hi yihi nomboro leyji nga leyitsongo eka 8?

Hi yihi nomboro leyji nga leyikulu eka 13?

Hi yihi nomboro leyji nga leyitsongo eka 20?

Hi yihi nomboro leyji nga leyitsongo eka 24?



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

1	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	20

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

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

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

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

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

1	2	3	4	5	6	7	8	9	10
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



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

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

Tsala tinhlayo-ndzingano ta le xikarhi ka I4 na 24.

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

Xana i tinhlayo-fadzenga yihi leyi taka xikan'wekan'we endzhaku ka 2I?

Xana i tinhlayo-ndzingano yihi 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:

34

Kotara ya 2

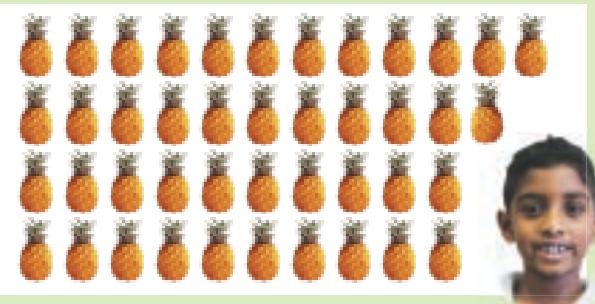
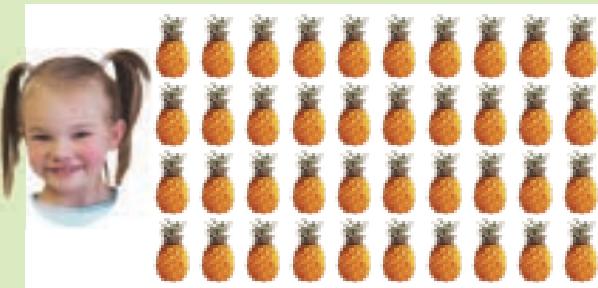


Ku longoloxa no ringanisa tinomboro: 40 – 50

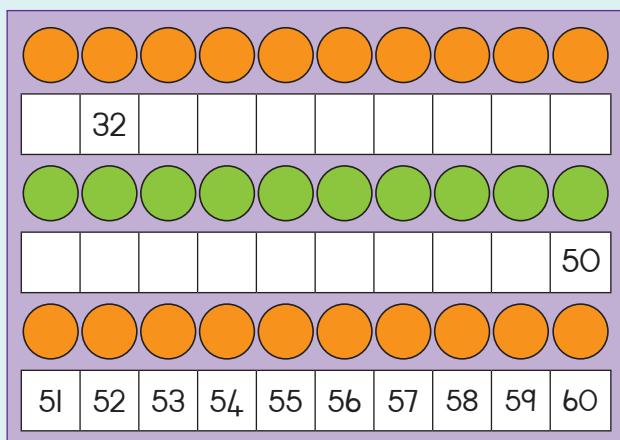
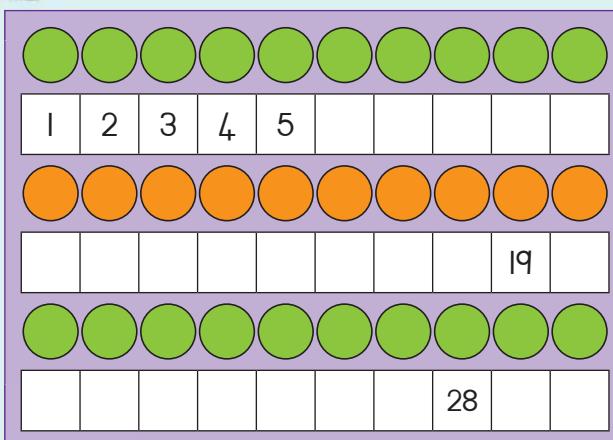
Siku:

.....

Xana i mani a nga na swihenge swo tala?



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?

Xana hi yihi nomboro leyi nga leyikulu eka 31?

Xana hi yihi nomboro leyi nga leyitsongo eka 38?

Xana hi yihi nomboro leyi nga leyitsongo eka 47?



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



30 31 32 33 34 35 36 37 38 39 40

Tinomboro letitsongo eka 40.

Tinomboro letikulu eka 36.



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

40 41 42 43 44 45 46 47 48 49 50

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

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

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

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

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

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



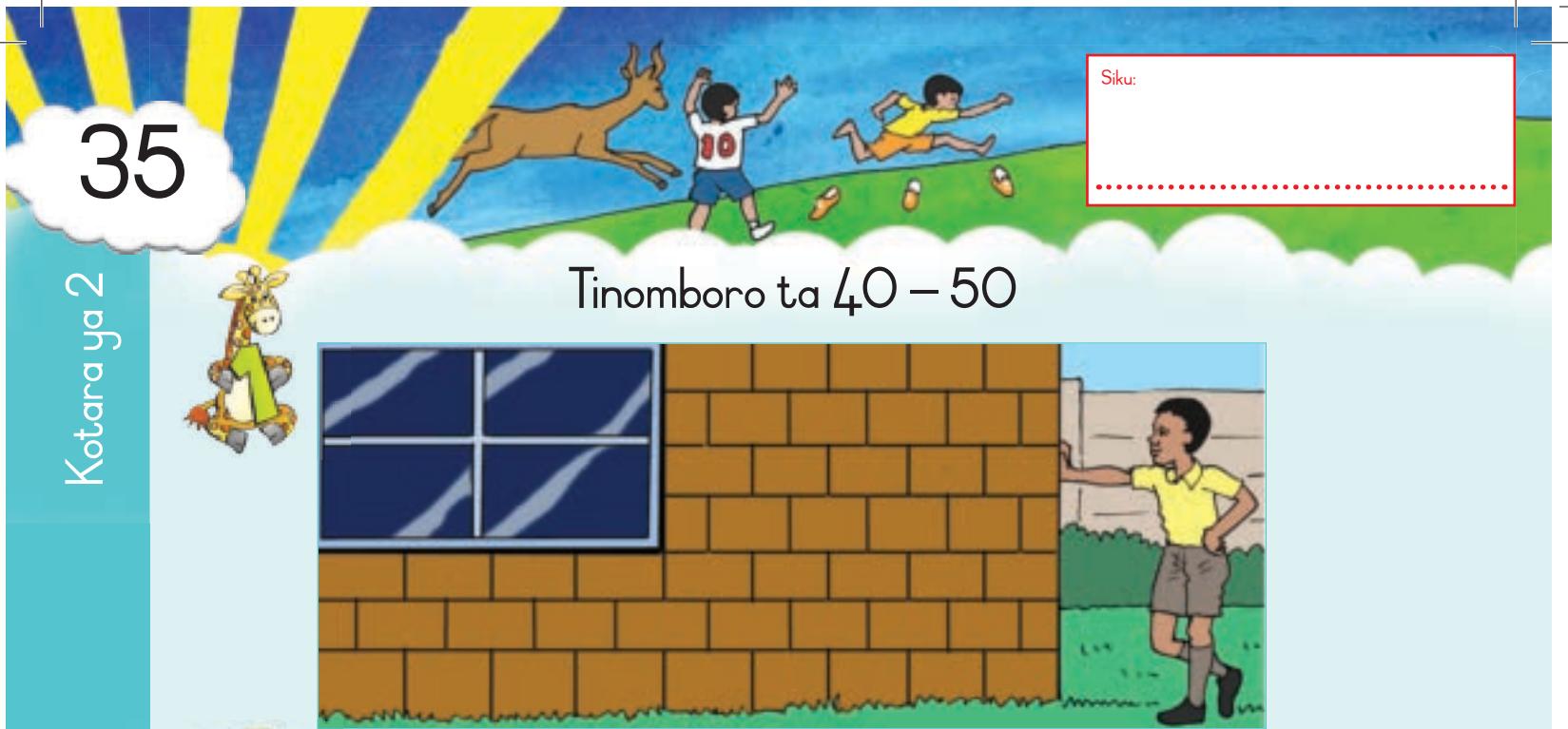
Teacher:

Sign:

Date:

35

Kotara ya 2



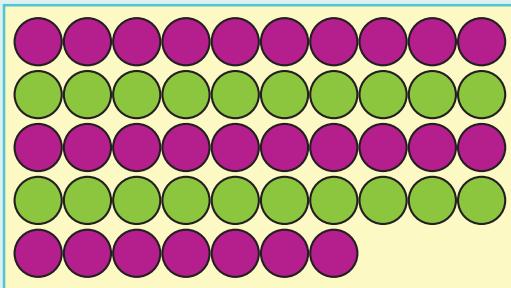
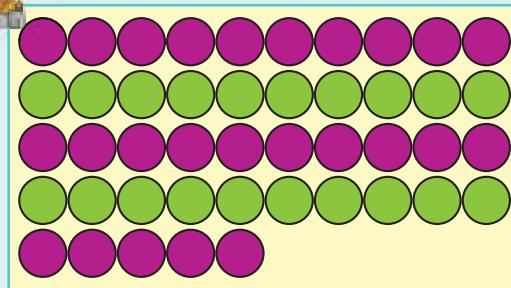
Siku:

.....

Tinomboro ta 40 – 50



Xana ku na vuhlalu byingani?



Nhlayo:

45

Hi naga yi tsala tanihi:

$$40 + 5 = 45$$

Nhlayo:

.....

Hi naga yi tsala tanihi:

$$..... + =$$

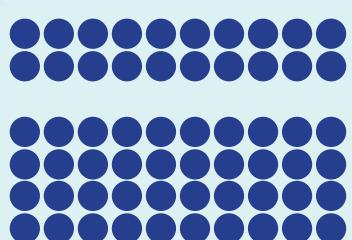


Hetisa leswi landzelaka.

20	21	22
30	34
.....	42



Hetisa leswi landzelaka.



20



4

2 4



.....



.....

.....



Tsala marito ya:

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



Languta xikombiso xo sungula kutani u hetisa leswi landzelaka.

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



Tsala nomboro leyti faneleke eka kholomu leyti faneleke.

	Vukhume	Vun'we
27		
34		
46		
41		
39		



Teacher:

Sign:

Date:

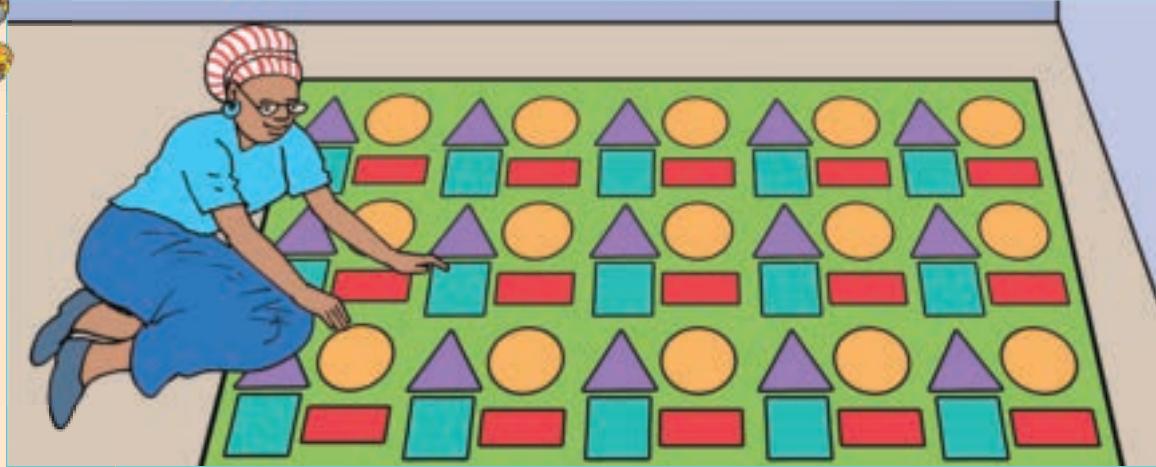
36

Kotara ya 2

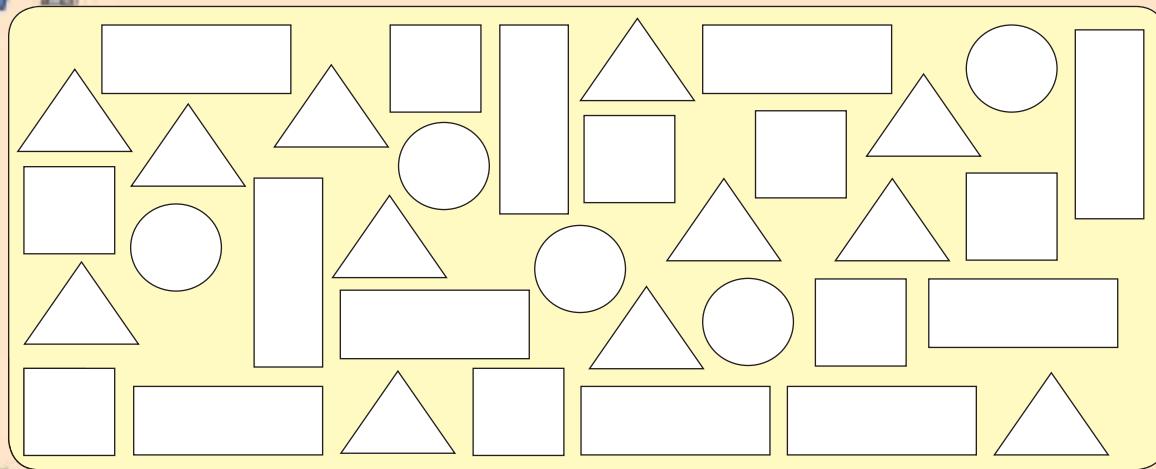
Swikwere, tiyinhlamune, tiyinhlanhharhu na swirhendzевutana



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, swirhendzевutana swi va swo tshwuka

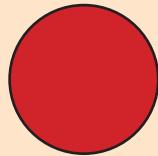


Hlawula u tlhela u khalara nhlamulo leyi faneleke.



makumu yo thwixi

makumu ya
xirhendzевutana



makumu yo thwixi

makumu ya
xirhendzевutana



makumu yo thwixi

makumu ya
xirhendzевutana

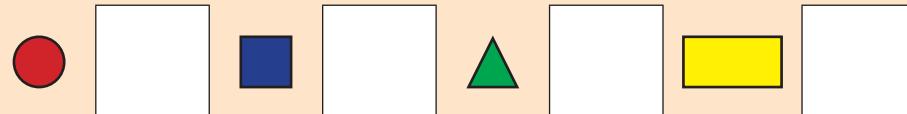
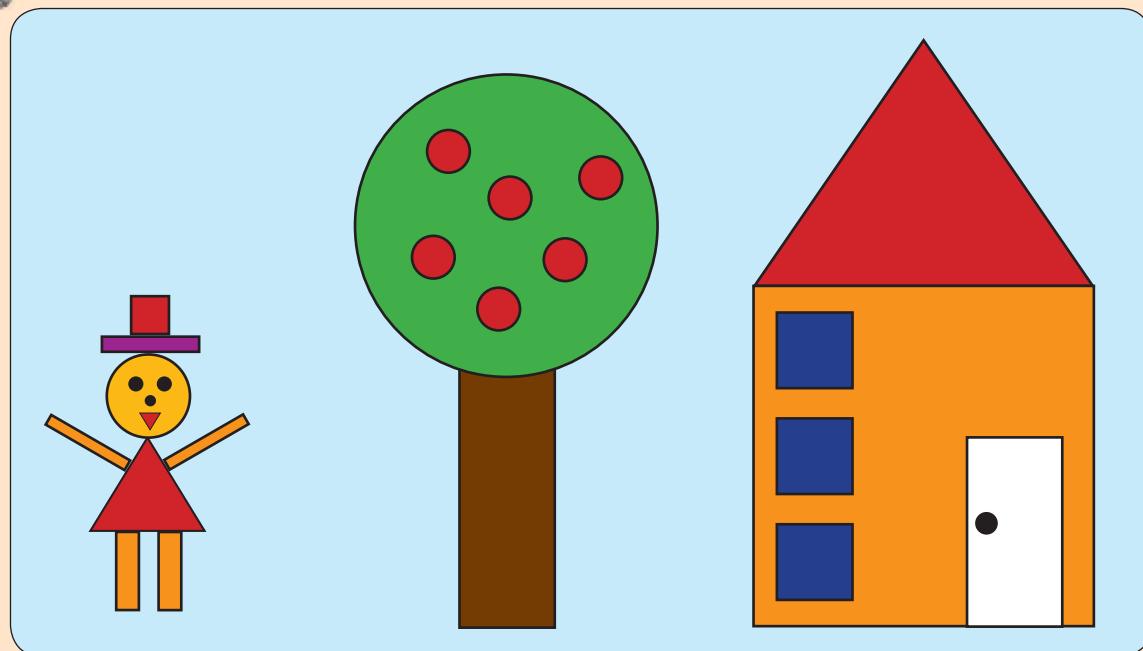


makumu yo thwixi

makumu ya
xirhendzевutana



Xana i na swingani leswi u swi hlayeleke?



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



Teacher:

Sign:

Date:

Ku hlanganisa no susa ku fika eka 20



Ku tsundzuka hi xihatla.

$4 + 5 - 1 =$	$13 - 9 + 2 =$	$20 - 7 + 1 =$	$10 + 5 - 4 =$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$10 + 3 + 2 =$	$9 + 3 - 2 =$	$8 - 2 - 1 =$	$13 - 8 + 1 =$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$9 - 4 - 3 =$	$18 - 9 - 4 =$	$7 + 8 + 1 =$	$16 - 7 + 3 =$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$14 - 6 + 4 =$	$12 - 5 - 2 =$	$19 - 10 + 5 =$	$6 + 5 - 3 =$
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

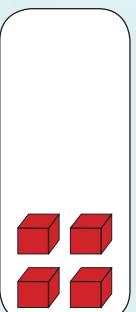
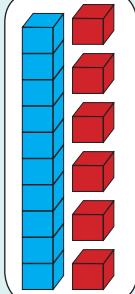


Hlanganisa leswi landzelaka.

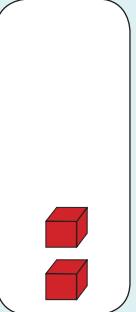
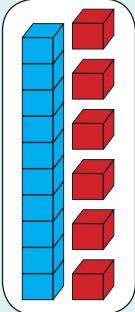
		$= \boxed{1} \boxed{0} \quad \boxed{2} + \boxed{} \quad \boxed{6}$ $= \boxed{1} \boxed{0} + \boxed{8}$ $= \boxed{1} \boxed{8}$
		$= \boxed{} \quad \boxed{} + \boxed{} \quad \boxed{}$ $= \boxed{} + \boxed{} \quad \boxed{}$ $= \boxed{} + \boxed{}$ $= \boxed{}$
		$= \boxed{} + \boxed{}$ $= \boxed{} + \boxed{} \quad \boxed{}$ $= \boxed{}$



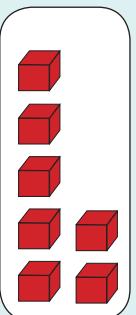
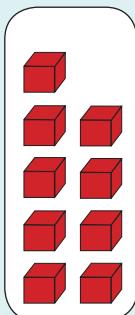
Susa leswi landzelaka.



$$\begin{aligned}
 &= 10 - 6 \\
 &= 10 - 2 \\
 &= 8
 \end{aligned}$$



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



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



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



Teacher:

Sign:
Date:



Ku hlanganisa no susa ku fika eka 50

Ku tsundzuka hi xihatla.

$20 + 2 - 1 =$

$36 - 6 + 2 =$

$42 - 2 + 4 =$

$47 + 4 - 1 =$

$30 + 3 + 6 =$

$42 + 9 - 1 =$

$33 - 2 - 1 =$

$49 - 1 + 2 =$

$55 - 5 - 0 =$

$38 - 7 - 1 =$

$45 + 1 + 2 =$

$50 - 5 + 3 =$

$24 - 3 + 2 =$

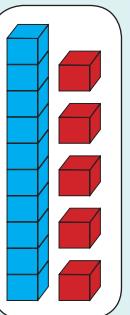
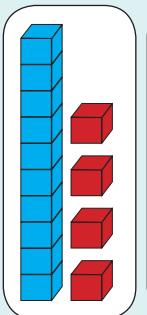
$32 - 5 - 2 =$

$49 - 10 + 1 =$

$29 + 5 - 4 =$



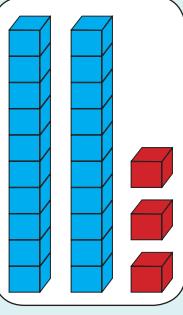
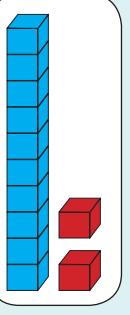
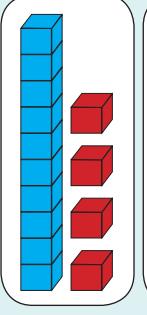
Hlanganisa leswi landzelaka.



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

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

 $= \boxed{\quad}$



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

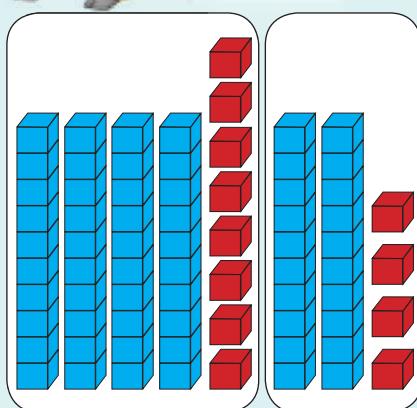
 $= \boxed{\quad} + \boxed{\quad}$

 $= \boxed{\quad}$

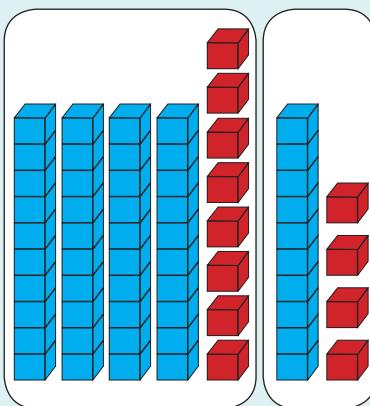
Sweswi ringeta maendlele ya wena.



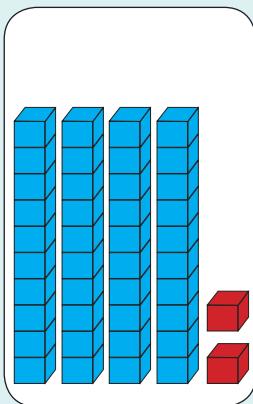
Susa leswi landzelaka.



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



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



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



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
RIO
R5
R2



Teacher:

Sign:
Date:

39a

Kotara ya 2



Siku:

Ku hlanganisa kun'wana

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

1	10	5
10		

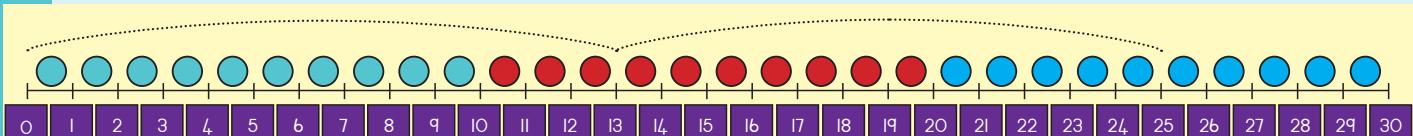
2	10	6
20		

3	20	5
20		

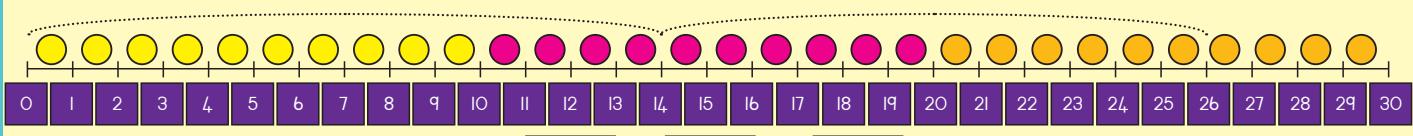
4	20	4
10		



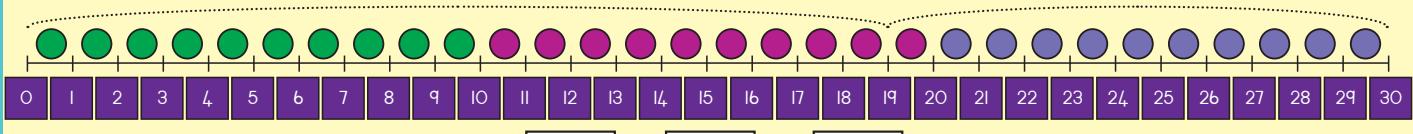
Hlanganisa:



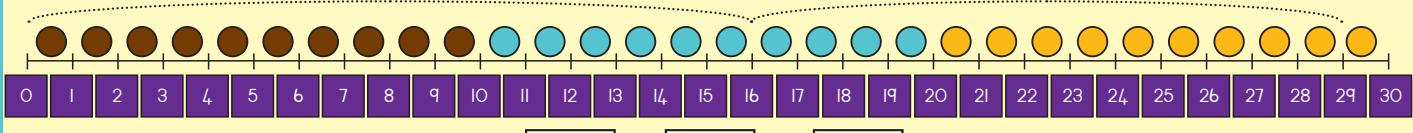
$$13 + 12 = \boxed{\quad}$$



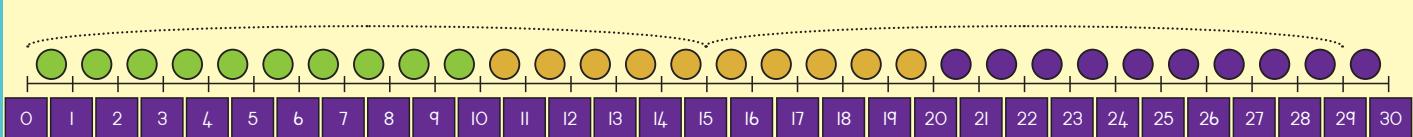
$$14 + 12 = \boxed{\quad}$$



$$19 + 11 = \boxed{\quad}$$



$$16 + 13 = \boxed{\quad}$$



$$15 + 14 = \boxed{\quad}$$



Hlanganisa.

I2 + II

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

I3 + I5

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

26 + I2

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

23 + 22

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

24 + I3

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

35 + I2

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



Betty u xavile swiwitsi swa R36 kasi Sipho u xavile swa RI3. Xana va tirhisile mali muni eka swiwitsi?



Teacher:

Sign:
Date:

3qb

Kotara ya 2

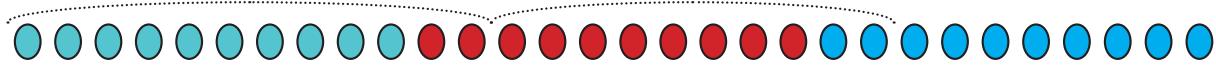
Ku hlanganisa kun'wana (ku yisa emahlweni)



Tsala ntsengo.

Siku:

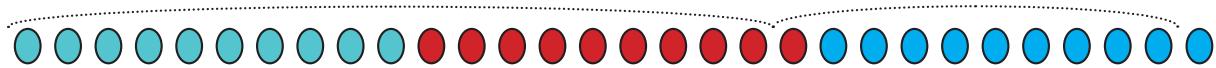
$$12 + 10 = \boxed{\quad}$$



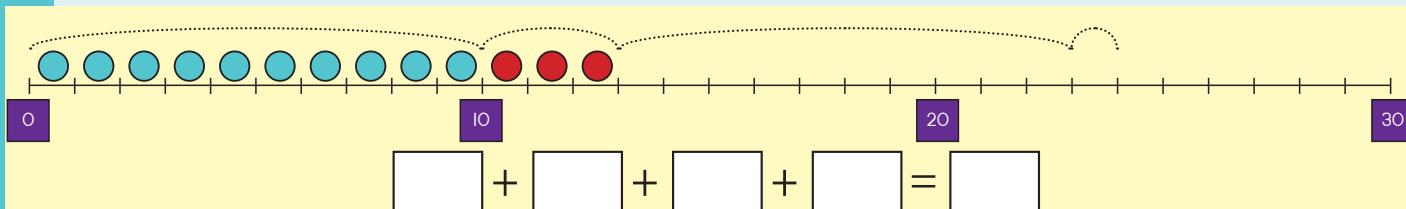
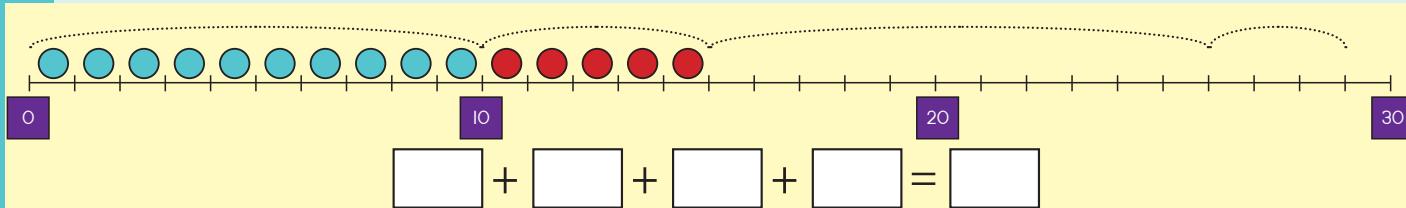
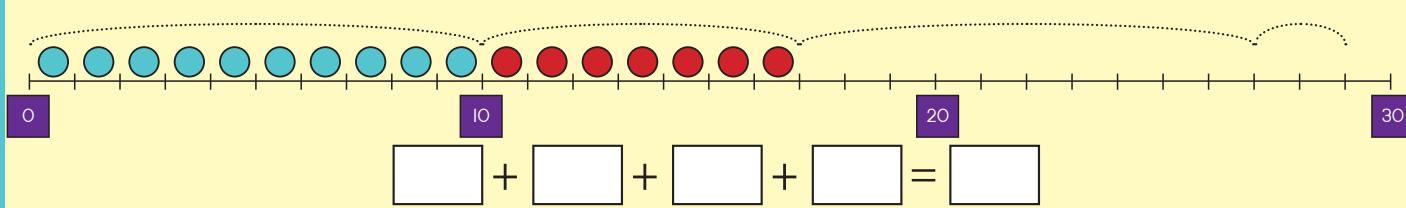
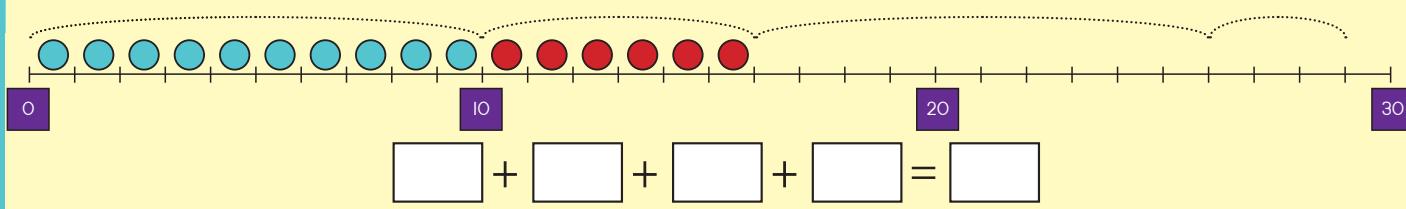
$$15 + 10 = \boxed{\quad}$$



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



Dirowa vuhlalu lebyin'wana kutani u hetisa tinhlayo.





Hetisa.

28	+ II =	2 8	+ IO	+ I	= 38	+ I	= 39
34	+ I2 =	3 4	+ IO	+ 2	=	+	=
23	+ I3 =	2 3	+ IO	+ 3	=	+	=
35	+ I2 =	3 5	+ IO	+ 2	=	+	=
26	+ II =	2 6	+ IO	+ I	=	+	=



Hlanganisa:

$II + IO =$	$23 + IO =$	$36 + IO =$
$28 + IO =$	$37 + IO =$	$I2 + IO =$
$34 + IO =$	$29 + IO =$	$I5 + IO =$



Ntsengo wa 27 na I6 i

Dirowa xifaniso ku kombisa nhlamulo ya wena.



Endla nhlayo ya wena ya marito hi
ku tirhisa swifaniso.



Teacher:

Sign:

Date:

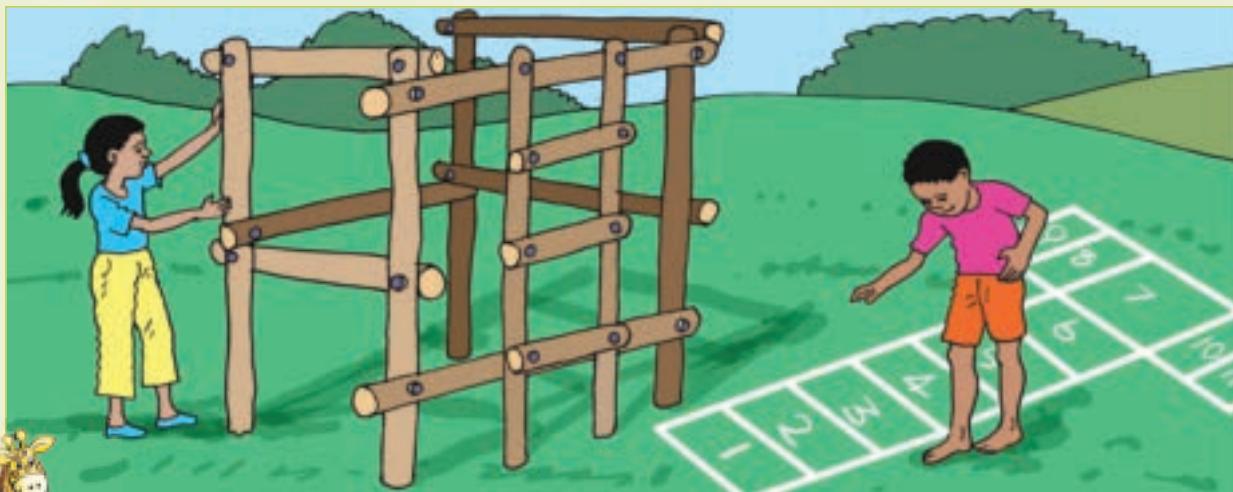
40

Kotara ya 2



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

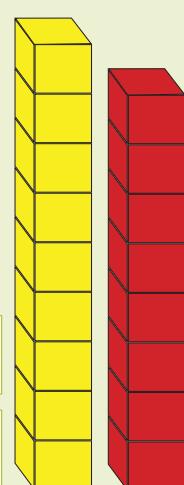
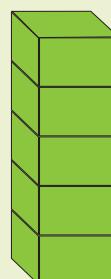
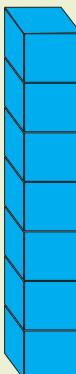
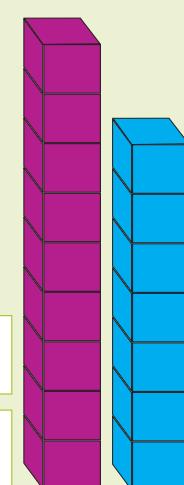
leha

Ku anama

Ku lala

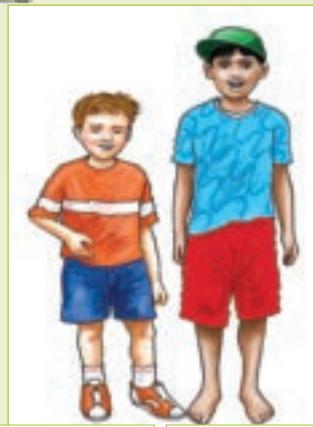
koma

leha

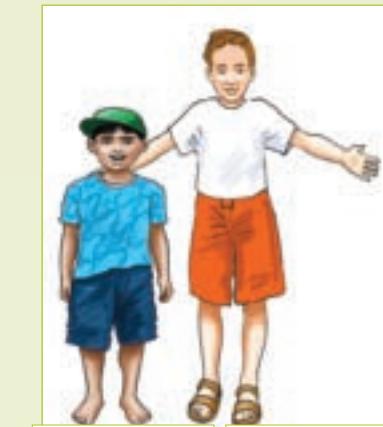




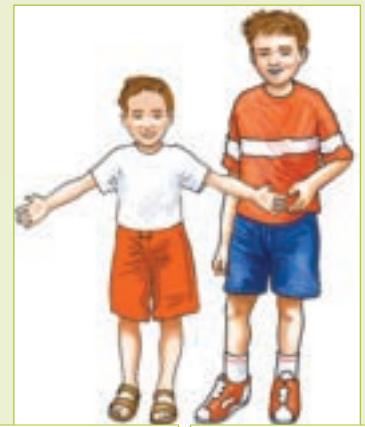
Sweswi boxa leswaku hi wihi mufana loyi a nga leha. Khalara nhlamulo ya wena hi muhlovo lowu fanaka na wa xiburukwana xa mufana.



koma



koma



koma

leha

leha

leha



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

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



Yelanisa makhadi na tinhlayo to susa.

10	10	10	10	10
2	2	8	8	7

$$17 - 7 = 10$$

$$12 - 2 = 10$$

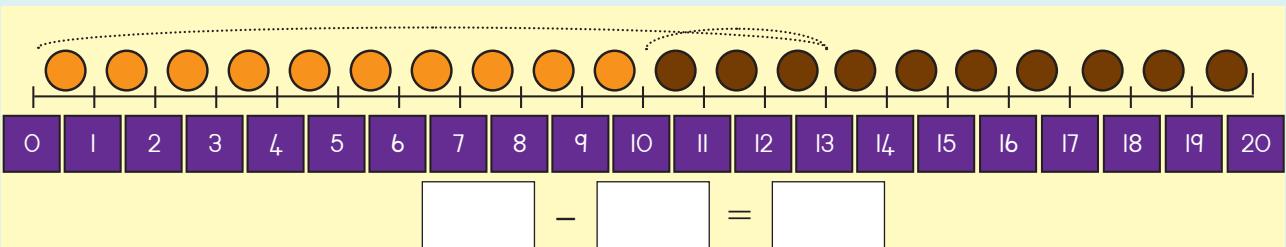
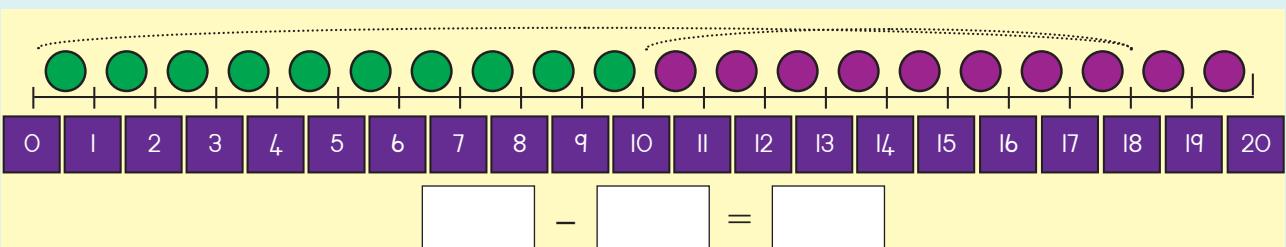
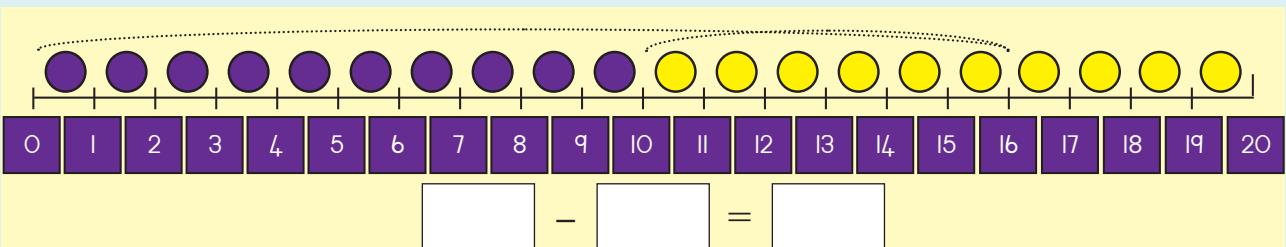
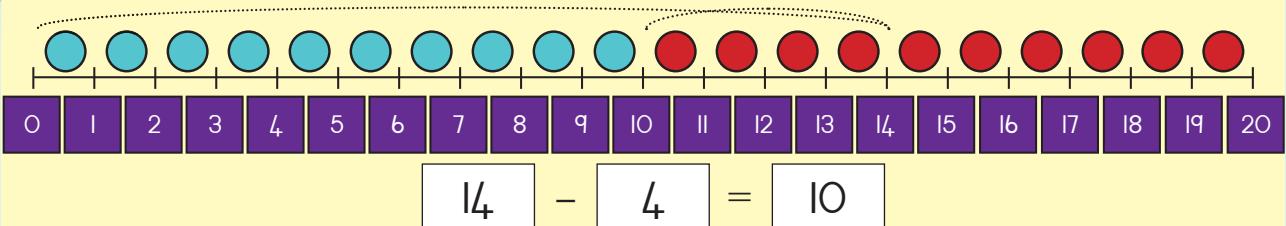
$$15 - 5 = 10$$

$$13 - 3 = 10$$

$$18 - 8 = 10$$



Tirhisa ndzhati wa mitsengo. Tsala nhlayo yo susa.





Susa.

$$\begin{array}{r} 10 \\ - 3 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 10 \\ - 5 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 10 \\ - 1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 10 \\ - 4 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 10 \\ - q \\ \hline 10-q \end{array}$$

$$\begin{array}{r} 10 \\ - 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 10 \\ - 7 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 10 \\ - 6 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 10 \\ - 8 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 10 \\ - q \\ \hline 10-q \end{array}$$



Susa.

$16 - 13$

10	10	20
b	3	3
16	13	= 3

$14 - 12$

10	10	20
4	2	=
14	12	=

$27 - 11$

20	10	20
7	1	=
		=

$35 - 13$

30	10	20
5	3	=
		=

$26 - 12$

20	10	20
b	2	=
		=

$48 - 11$

40	10	20
8	1	=
		=



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

	10	9	8	7	6	5	4	3	2	1	0
--	----	---	---	---	---	---	---	---	---	---	---

Xana u sale na swihlayelo swingani?



Teacher:

Sign:
Date:

42a

Kotara ya 2

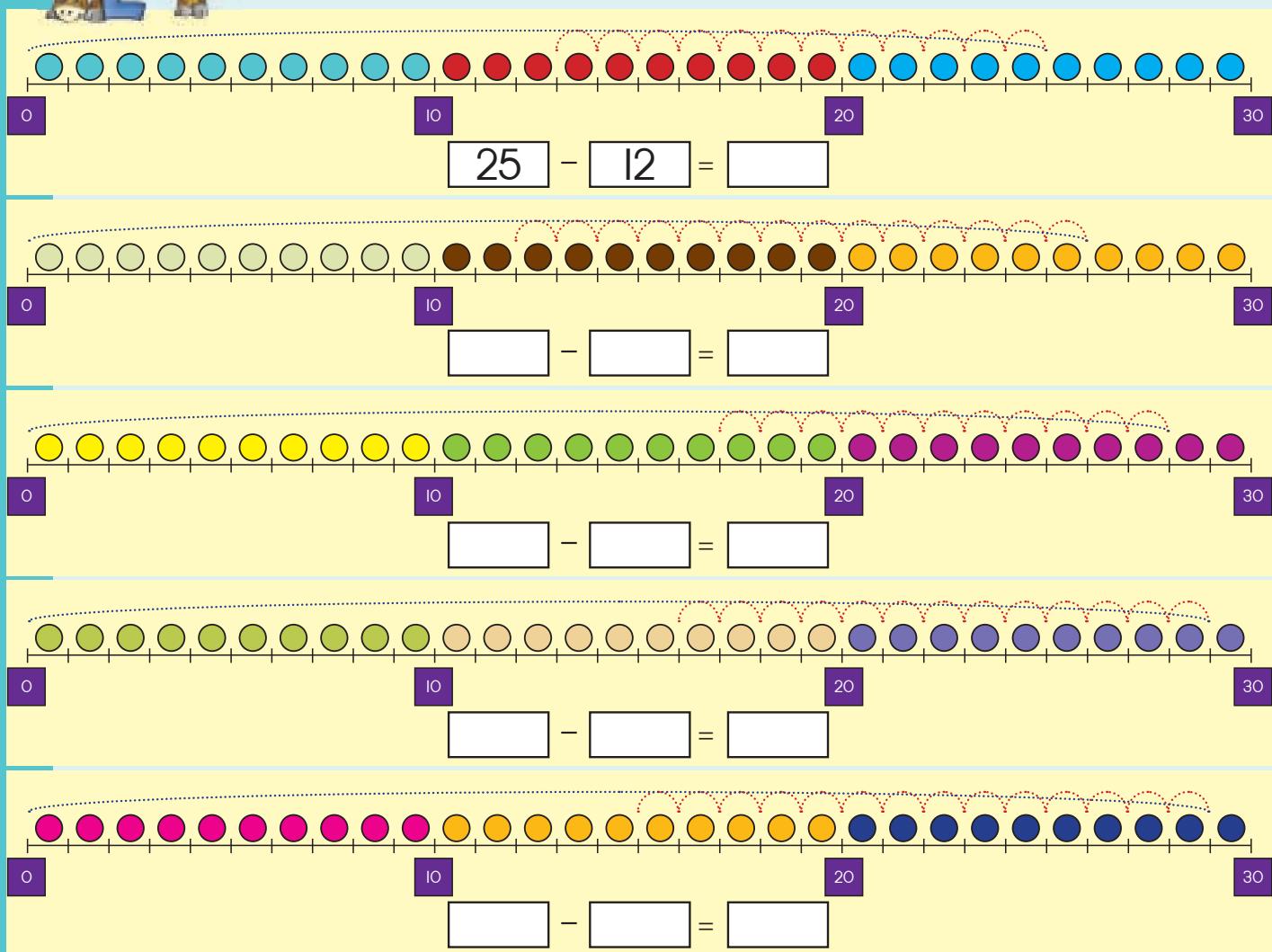


Susa tinomboro ta le hansi eka tinomboro ta le henhlā.

10	20	30	40
7	2	8	9
10	10	10	10
5	1	5	4
15			
2			



Tirhisa ndzhati wa mitsengo. Tsala tinhlayo to susa.





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

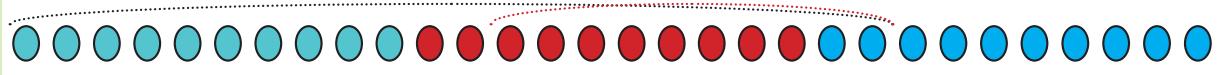
Kotara ya 2



Ku susa kun'wana nakambe

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

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



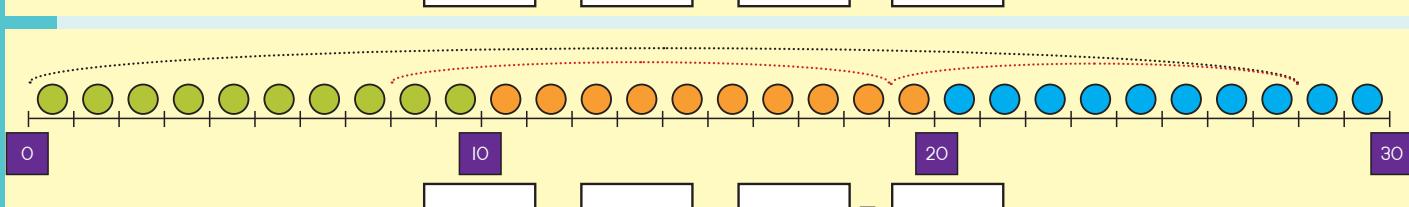
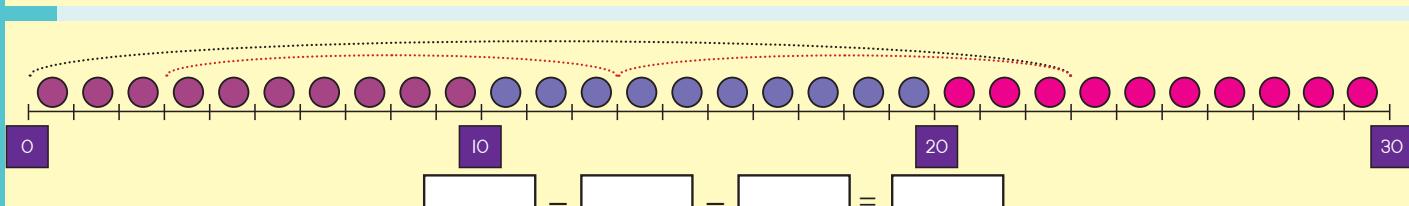
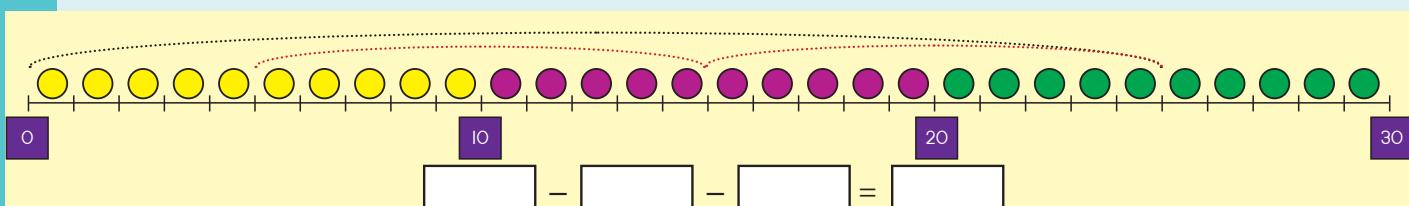
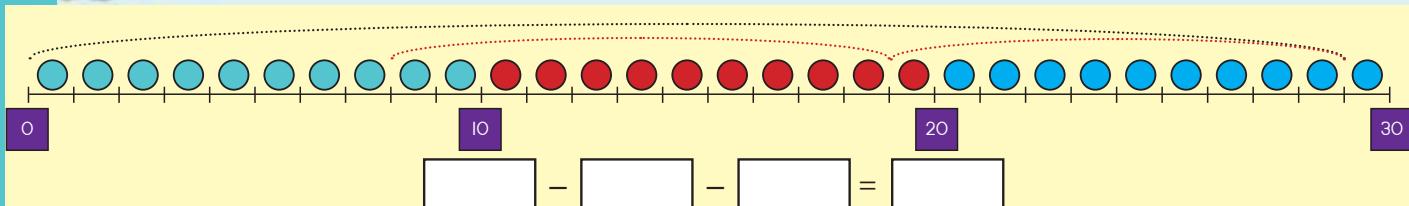
$$25 - 10 = \boxed{}$$



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



Hetisa tinhlayo to susa.





Hetisa.

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

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

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

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

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

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



Susa.

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

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

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

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

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

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

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

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

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

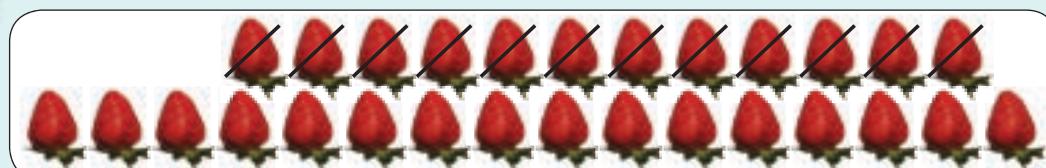


Ku hambana exikarhi ka 35 na 20 i? Dirowa xifaniso ku kombisa nhlamulo ya wena.

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



Endla ntsengo wa wena wa marito hi
ku tirhisa swifaniso.



Teacher:

Sign:
Date:



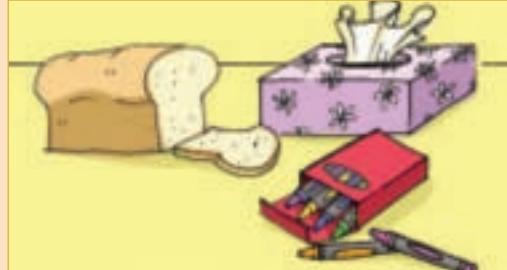
43

Kotara ya 2



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:

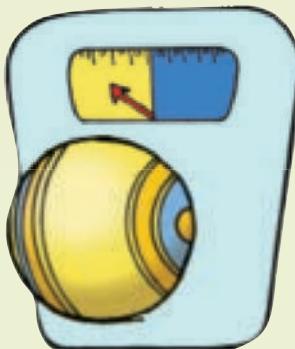
Swilo swo tika

Swilo swo vevuka

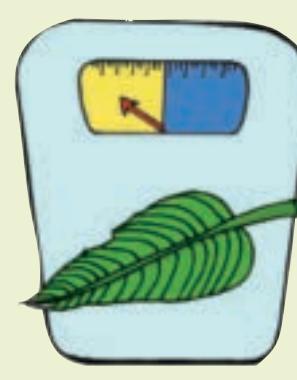
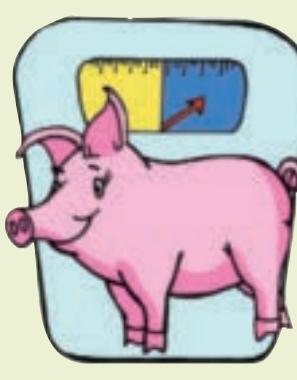
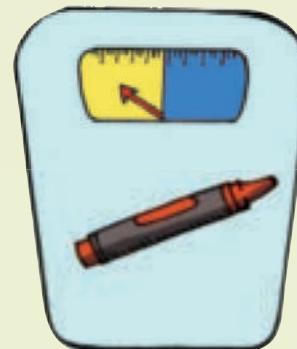
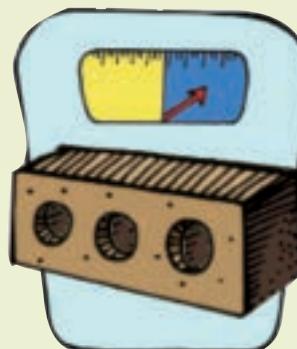
Siku:



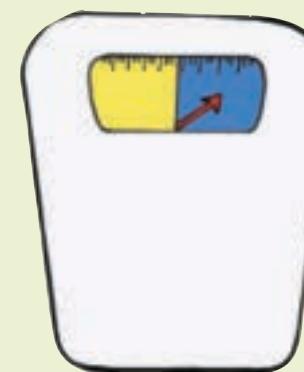
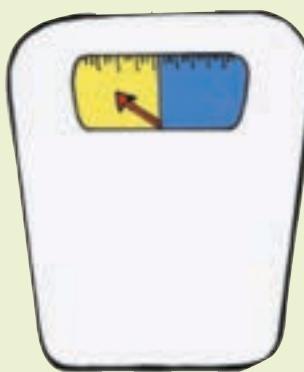
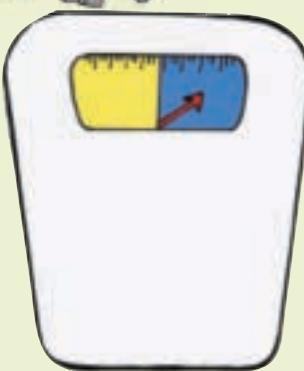
Loko nseve wo tshwuka wu langute eka tlhelo ra xitshopana, swi vula leswaku nchumu wa vevuka kasi loko wu langute eka tlhelo ra wasi, swi vula leswaku nchumu wolowo wa tika.



vevuka



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



Teacher:

Sign:

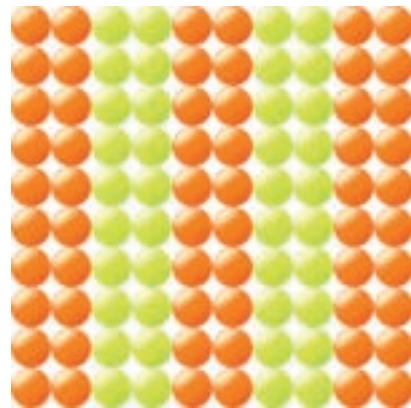
Date:

44

Kotara ya 2



A hi hlayeleni hi vumbirhi.



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

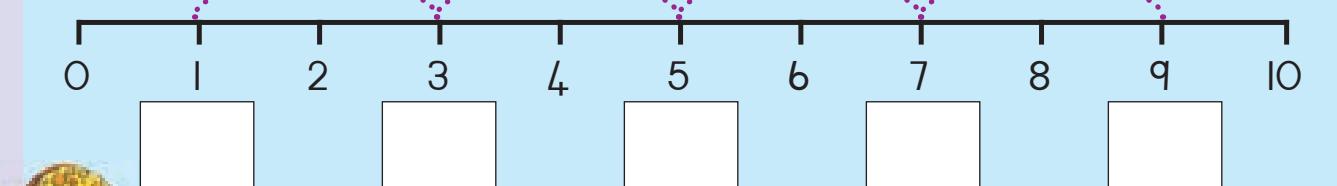
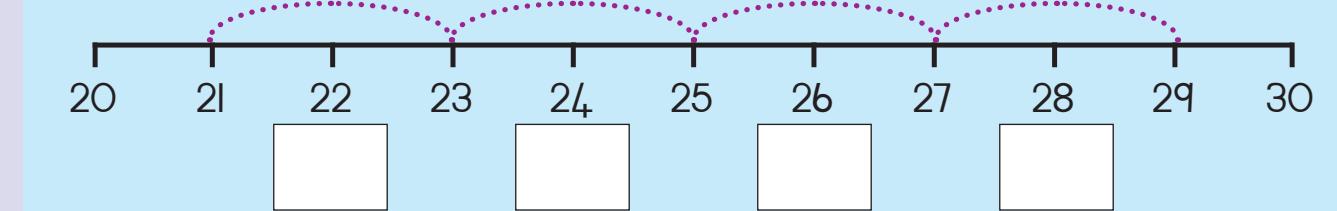
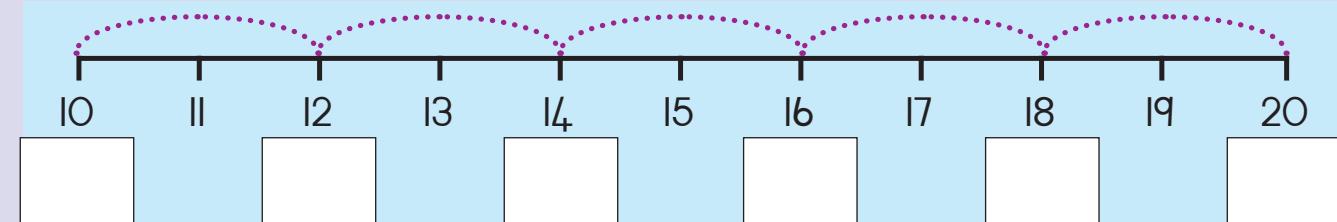
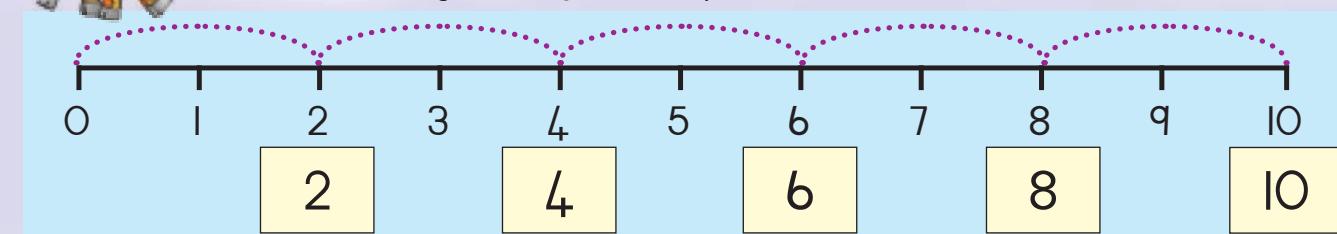


Hi sungule patironi. Yi hetise.

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:



45

Kotara ya 2



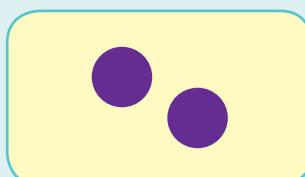
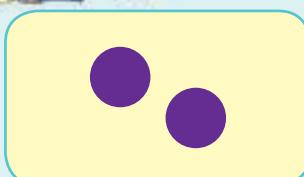
Languta xifaniso xo sungula na xifaniso xa vumbirhi. Xana ku humelele yini?

Siku:

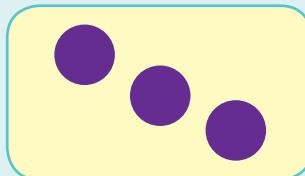
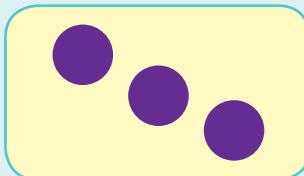
Ku andzisa kambirhi



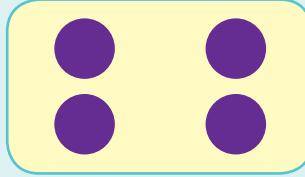
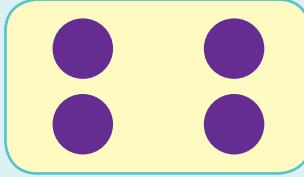
Hlanganisa mathonsi kutani u tsala ntsengo wa man'wana na man'wana.



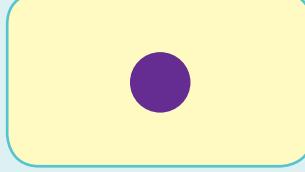
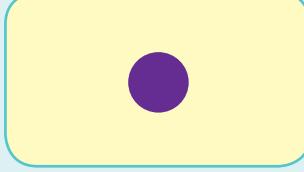
$$\boxed{} + \boxed{} = \boxed{}$$



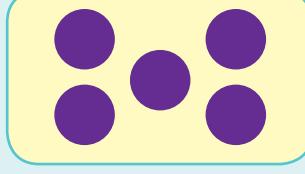
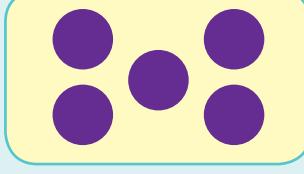
$$\boxed{} + \boxed{} = \boxed{}$$



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



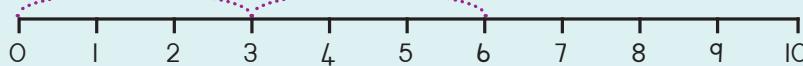
$$\boxed{} + \boxed{} = \boxed{}$$



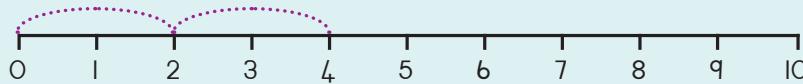
$$\boxed{} + \boxed{} = \boxed{}$$



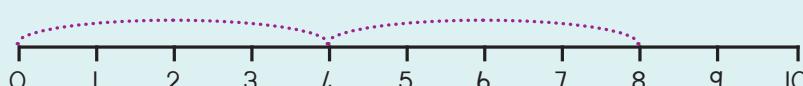
Tirhisa mindzhati ya mitsengo ku tsala ntsengo.



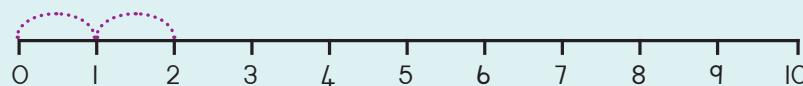
$$\boxed{} + \boxed{} = \boxed{}$$



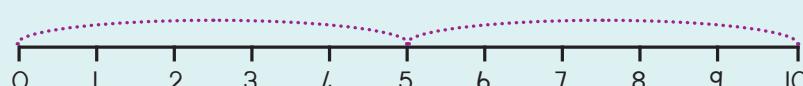
$$\boxed{} + \boxed{} = \boxed{}$$



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



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



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



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:

46

Kotara ya 2



Siku:

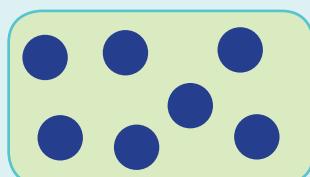
.....

Andzisa kambirhi nakambe

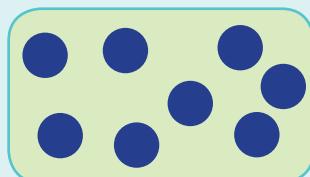
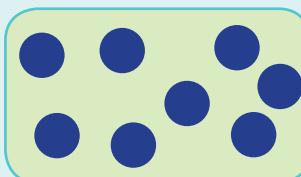
Languta xifaniso xo sungula na xifaniso xa vumbirhi. Xana ku humelele yini?



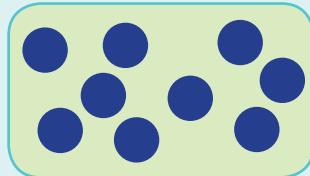
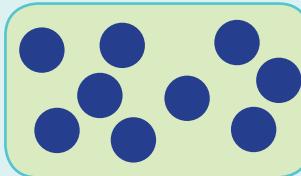
Hlanganisa mathonsi kutani u tsala ntsengo wa man'wana na man'wana.



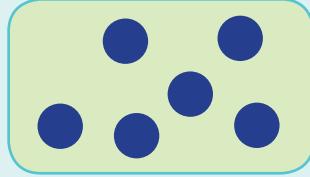
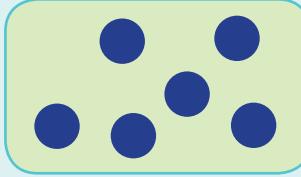
$$\square + \square = \square$$



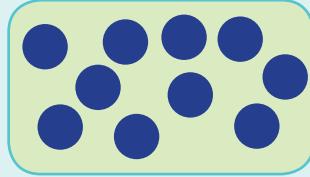
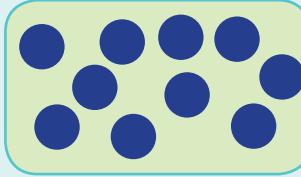
$$\square + \square = \square$$



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



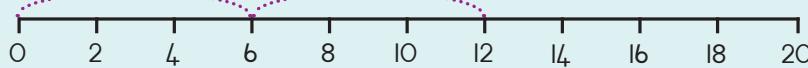
$$\square + \square = \square$$



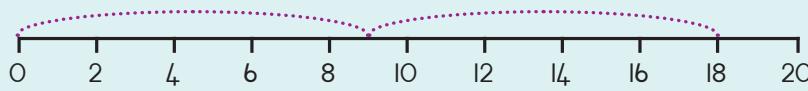
$$\square + \square = \square$$



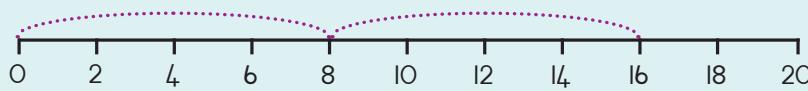
Tirhisa mindzhati ya mitsengo ku tsala nhlayo.



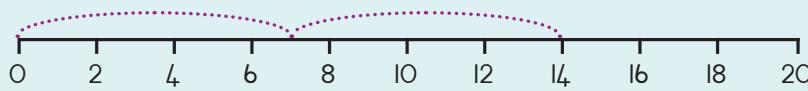
$\boxed{} + \boxed{} = \boxed{}$



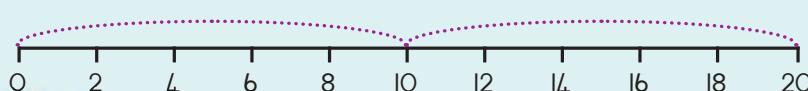
$\boxed{} + \boxed{} = \boxed{}$



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



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



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



Andzisa kambirhi leswi landzelaka.

Ku andzisa 6 kambirhi

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

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

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

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



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

Ku andzisa 9 kambirhi

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



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



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

Ku andzisa 5 kambirhi



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

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

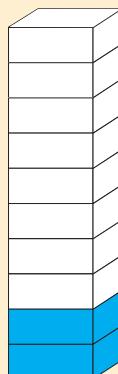
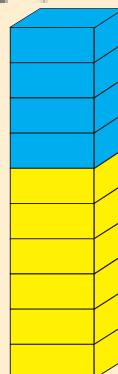


$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

100



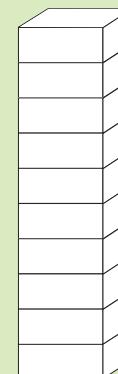
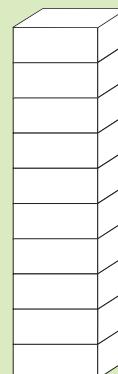
Andzisa tinomboro kambirhi. Khalara tibuloko ku kombisa nhlamulo ya wena.



Ku andzisa 6
kambirhi

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

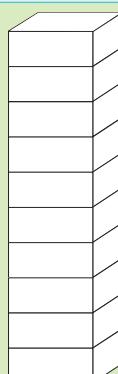
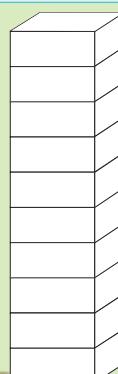
$$2 \times 6 = \boxed{}$$



Ku andzisa 8
kambirhi

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

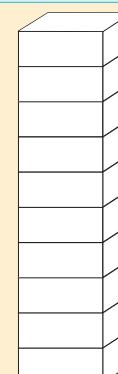
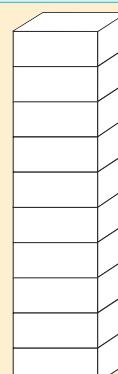
$$2 \times \boxed{} = \boxed{}$$



Ku andzisa 7
kambirhi

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

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



Ku andzisa 9
kambirhi

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

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



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:

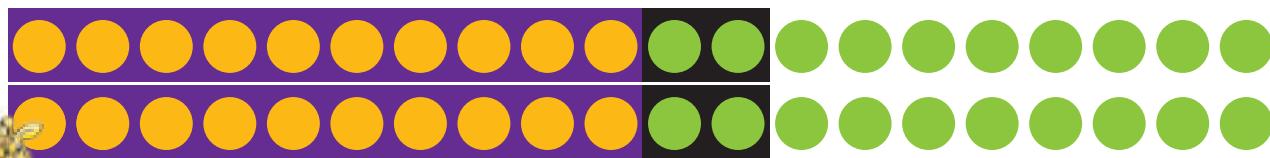
Date:



Siku:

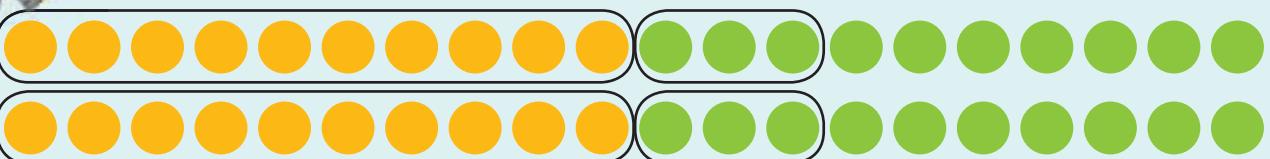
Ku andzisa kambirhi kun'wana

Ku andzisa 12 kambirhi

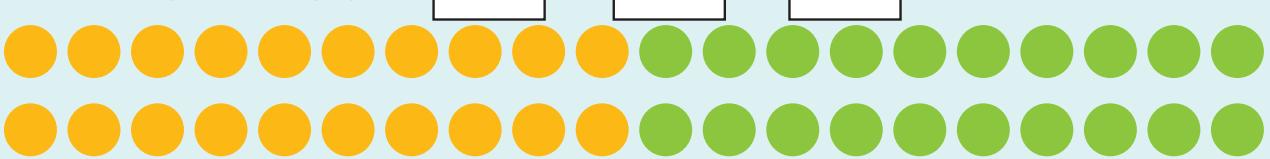


Tirhisa vuhlalu ku andzisa tinomboro kambirhi. Hi ku endlele yo sungula.

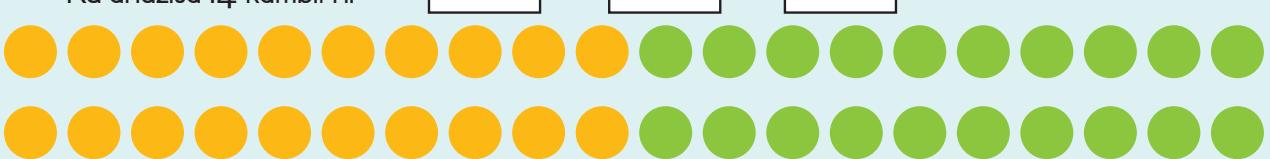
Ku andzisa 13 kambirhi



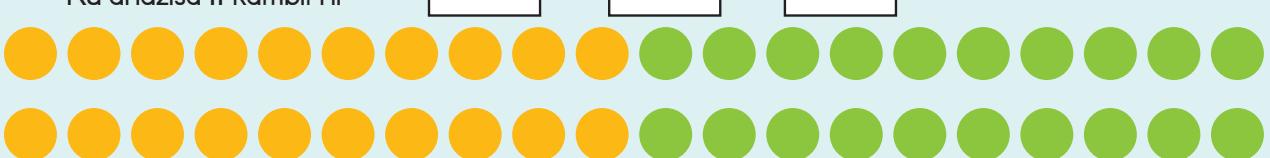
Ku andzisa 15 kambirhi



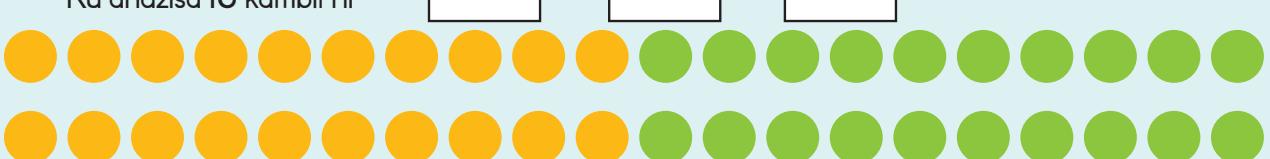
Ku andzisa 14 kambirhi



Ku andzisa 11 kambirhi



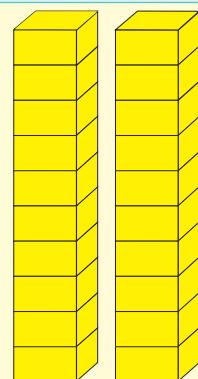
Ku andzisa 16 kambirhi



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



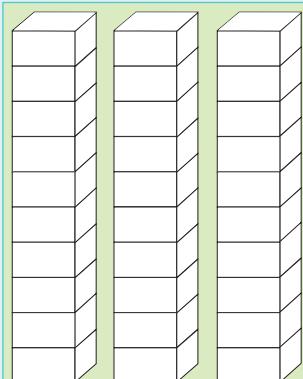
Ku andzisa tinomboro kambirhi. Khalara tibuloko ku kombisa nhlamulo ya wena.



Ku andzisa II
kambirhi

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

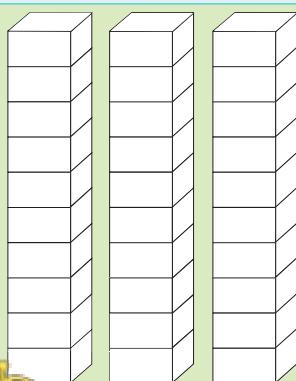
$$2 \times \text{II} = \boxed{\quad}$$



Ku andzisa I3
kambirhi

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

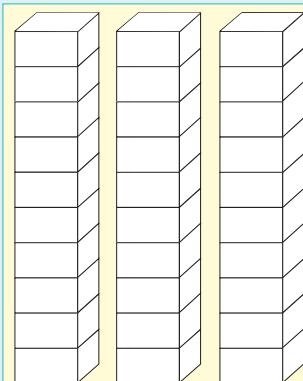
$$2 \times \boxed{\quad} = \boxed{\quad}$$



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:

4q

Kotara ya 2

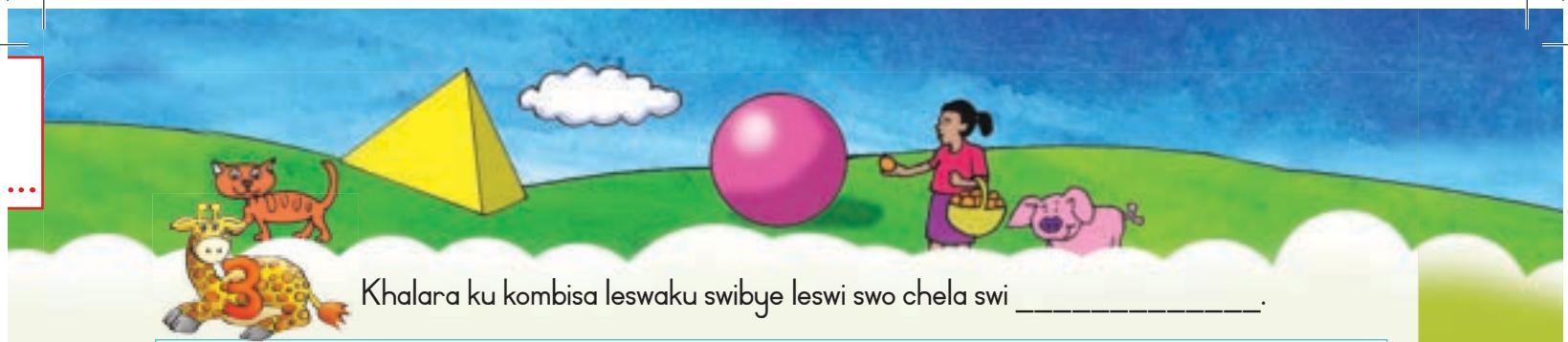
Swibye swo chela na vundzeni

Bula hi swibye swo chela leswi nga emadesiken.



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





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:

50

Kotara ya 2

Ku andzisa: $\times 3$

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



Hetisa leswi landzelaka:

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

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

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

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

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

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

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

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

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

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



Endla xifaniso xa leswi landzelaka.

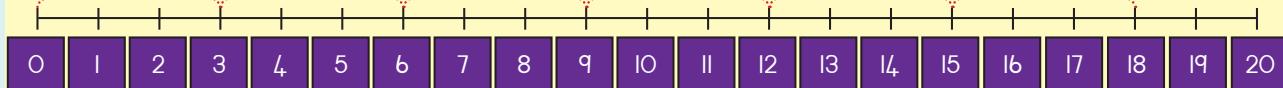
3 wa mintlawa ya 3

4 wa mintlawa ya 3

5 wa mintlawa ya 3



Dirowa xifaniso xa leswi landzelaka.



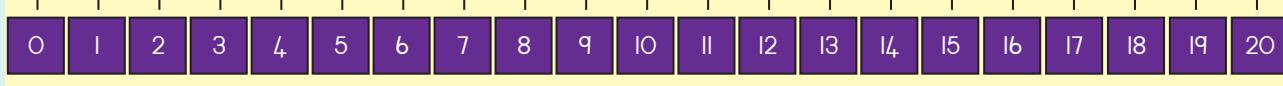
3, 6, 9, 12, ___, ___

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

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

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

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?



3 6 9 12 15 18
21 24 27 30 33



Teacher:

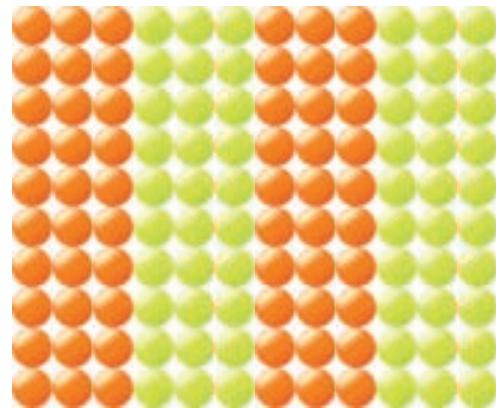
Sign:
Date:

11 12 13 14 15 16 17 18 19 20



Tipatironi ta tinomboro: Vunharhu

A hi hlayeleni hi vunharhu.



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

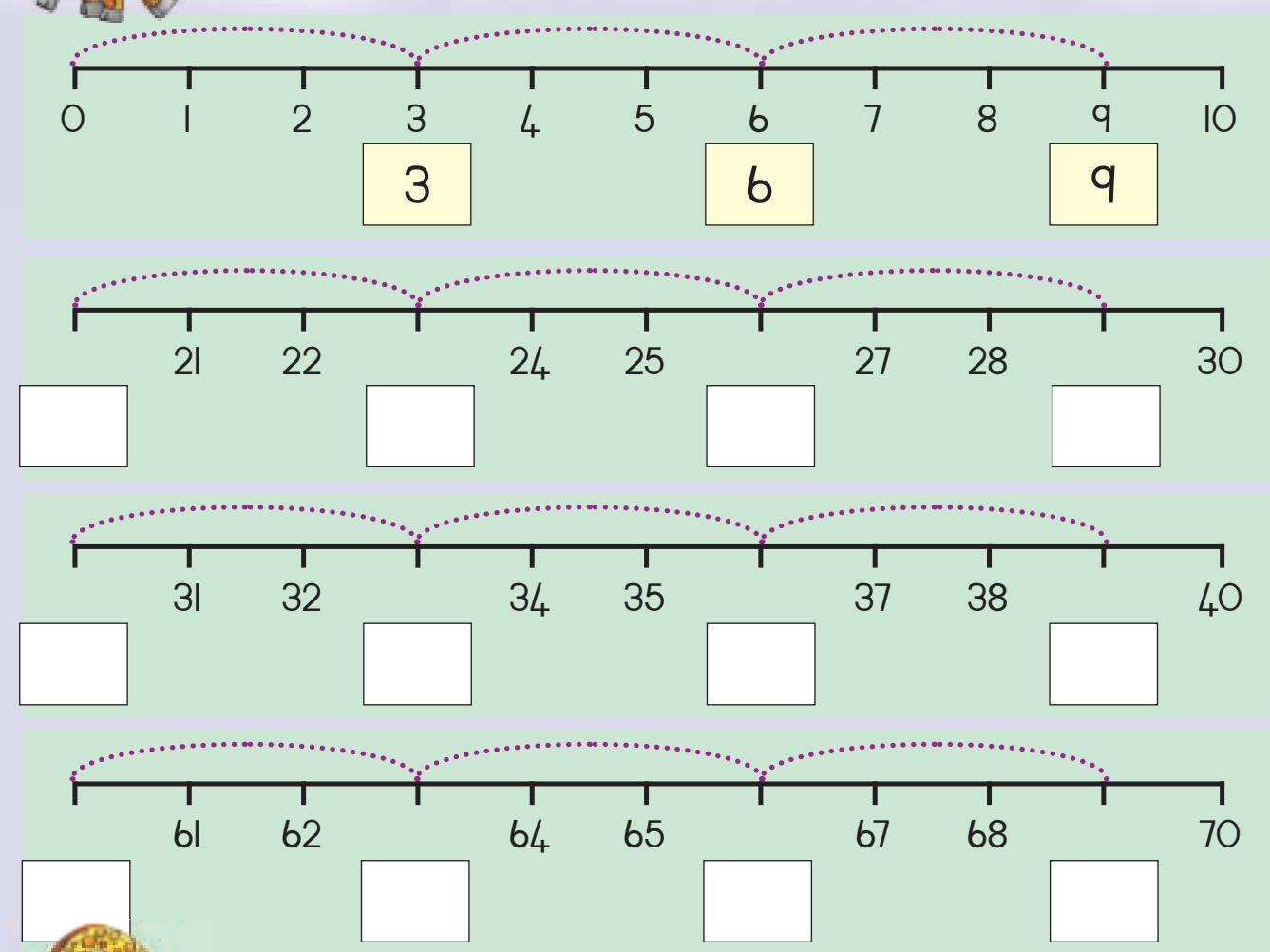


Hi sungule patironi. Yi hetise.

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.



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:



Siku:

.....

Ku andzisa: $\times 4$

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



Hetisa leswi landzelaka.



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

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



2 wa mintlawa ya 4 $4 + 4 =$

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



4 wa mintlawa ya 4 $4 + 4 + 4 + 4 =$

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



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

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



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

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



Dirowa xifaniso xa leswi landzelaka:

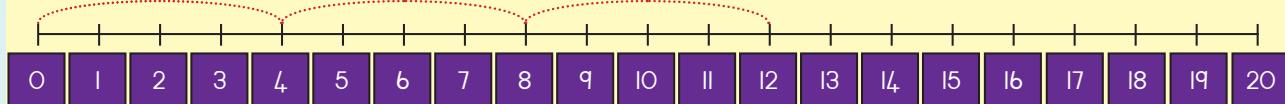
3 wa mintlawa ya 4

4 wa mintlawa ya 4

5 wa mintlawa ya 4



Dirowa xifaniso xa leswi landzelaka.



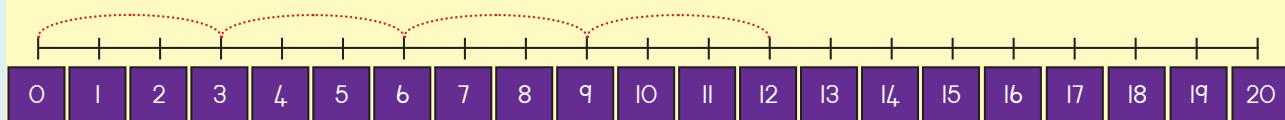
4, 8, ___

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

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

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

Xifaniso



3, 6, 9, ___

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

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

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

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:

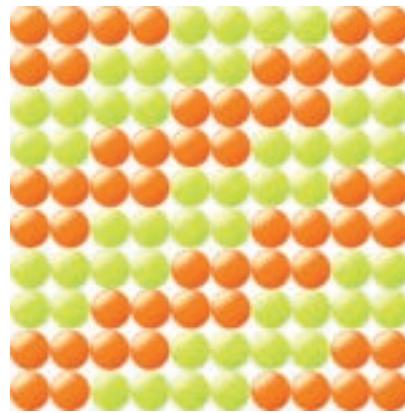
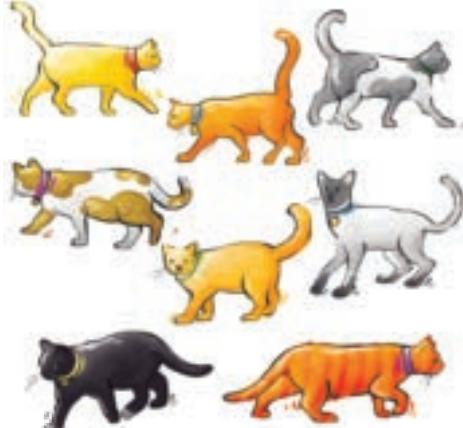
53

Kotara ya 2



Tipatironi ta tinomboro: Vumune

A hi hlayeleni hi vumune.



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

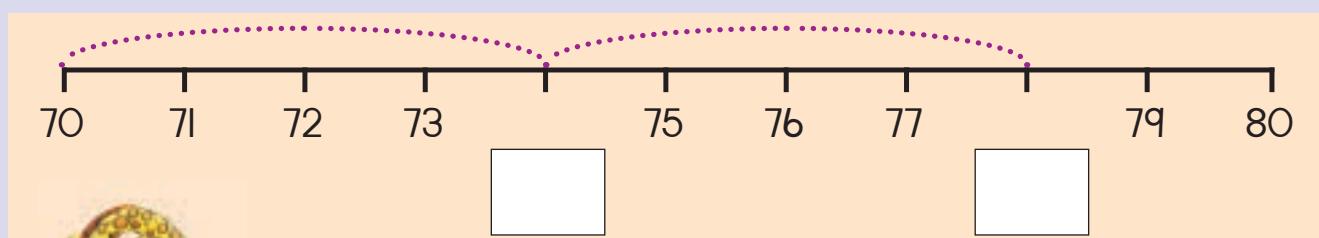
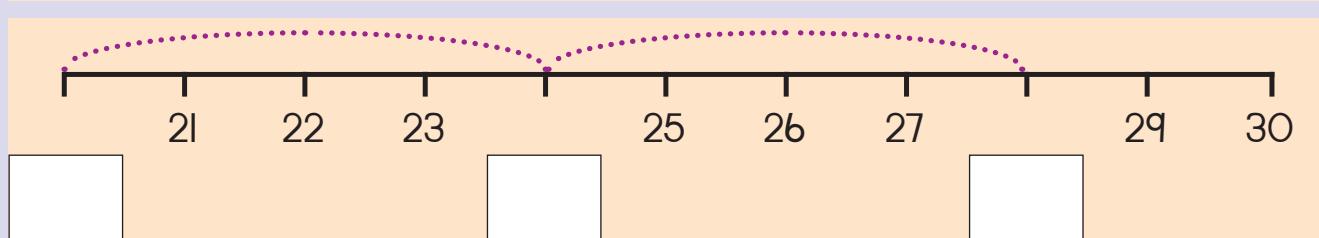
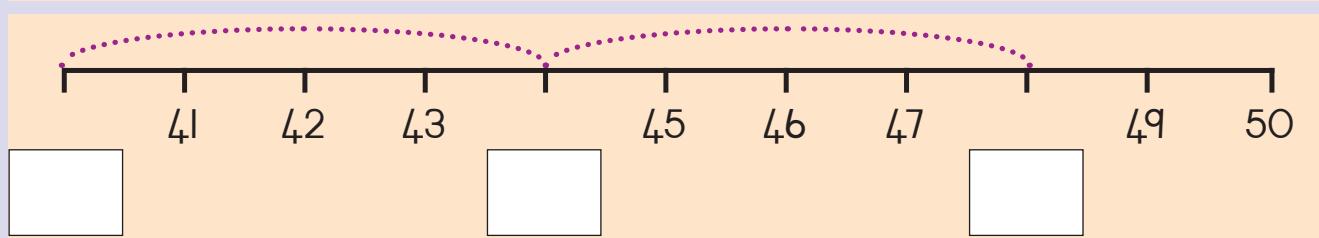
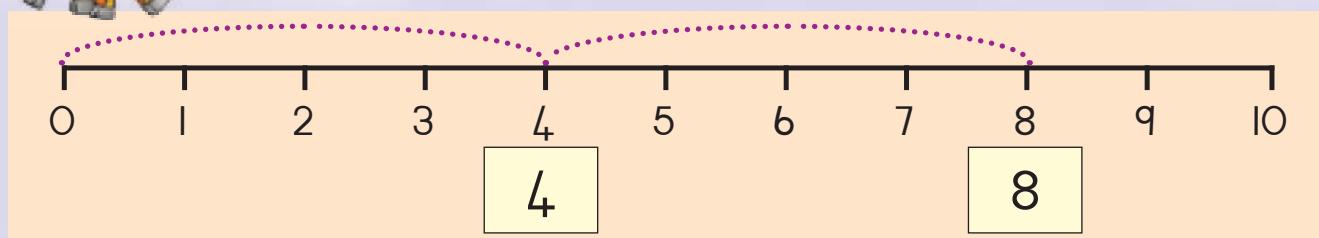


Hi sungule patironi. Yi hetise.

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



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



Teacher:
Sign:
Date:

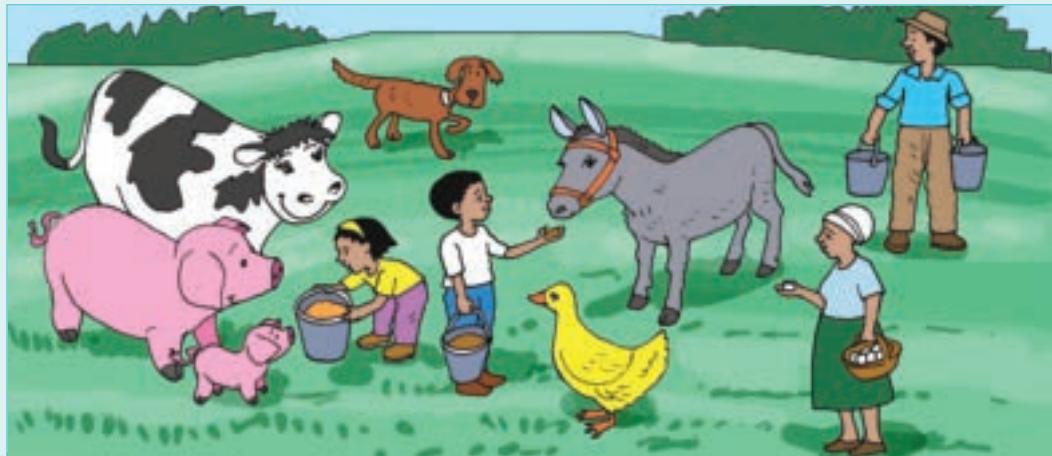
54

Kotara ya 2

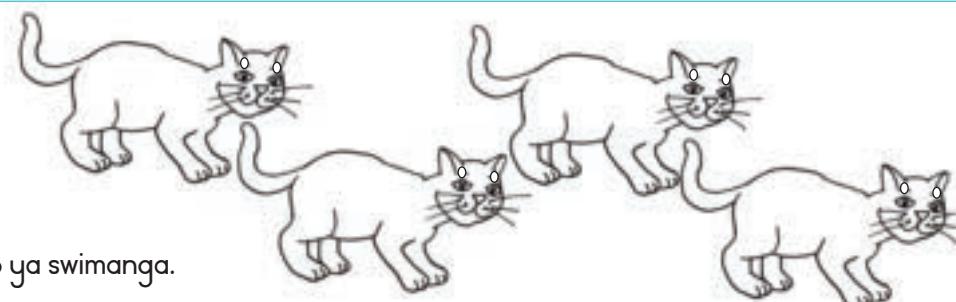


Switori swo andzisa swin'wana

Endla xitori xa wena u tirhisa marito yo tanahi 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.



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

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



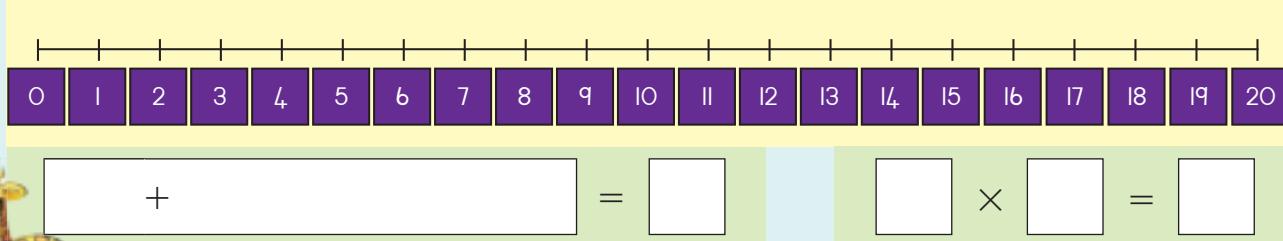
Swikanyakanya swa thirayisekele swi na 3 wa mavhilwa.
Xana 5 wa swikanyakanya swi na mavhilwa mangani?



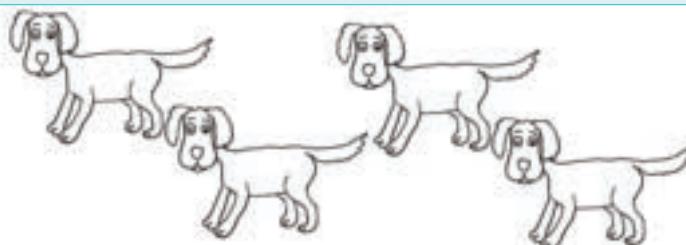
Khalara mavhilwa ya swikanyakanya.

Ya kombise hi swihlayelo.

Ya kombise eka ndzhati wa mitsengo.



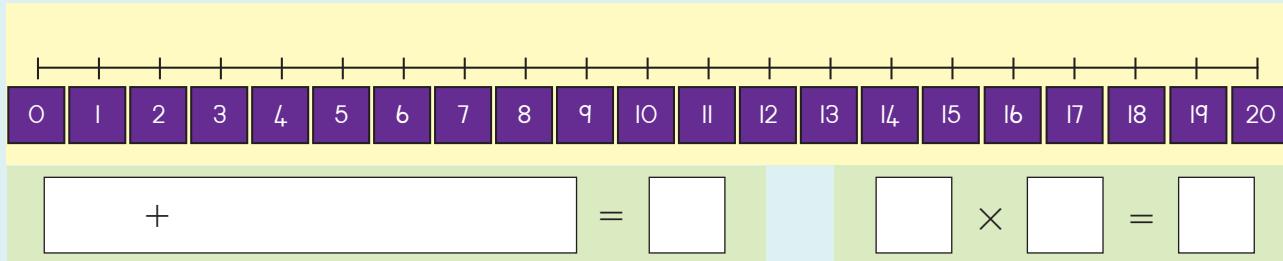
Mbyana yi na 4 wa milenge. Xana 4 wa timbyana ti na milenge yingani?



Khalara milenge ya timbyana.

Yi kombise hi swihlayelo.

Yi kombise eka ndzhati wa mitsengo.



Teacher:

Sign:
Date:

55

Kotara ya 2



Bulani hi wachi.



Tiawara

Siku:

Rimhondzo ro koma ra wachi ri hi kombisa tiawara.

Laha ri kombisa 7 wa tiawara.

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



Xana rimhondzo ro koma ri hi kombisa yini?



awara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



wa tiawara



Dirowa rimhondzo ro koma.

4 wa tiawara



1 awara



11 wa tiawara



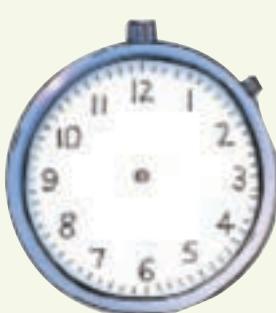
7 wa tiawara



9 wa tiawara



10 wa tiawara



2 wa tiawara



5 wa tiawara



3 wa tiawara



6 wa tiawara



8 wa tiawara



12 wa tiawara



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



Ku endla ntirhokaya



Ku etlela



Ku buracha meno



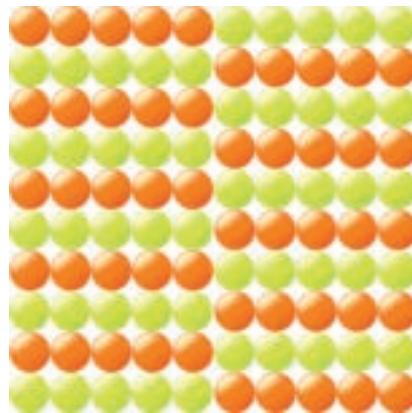
Teacher:
Sign:
Date:

56

Kotara ya 2



A hi hlayeleni hi vutlhanu.



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

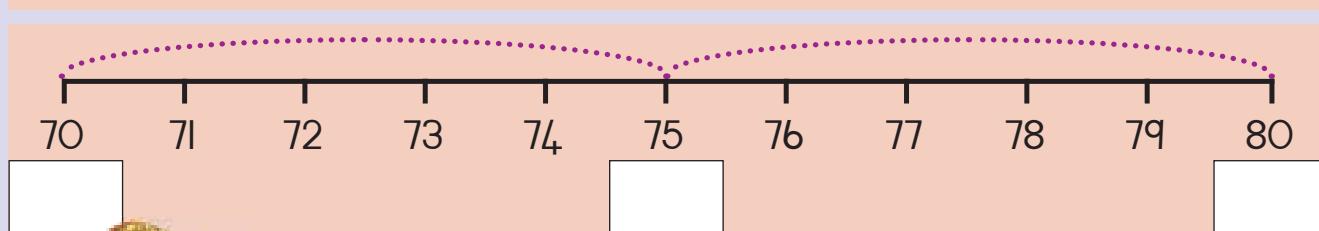
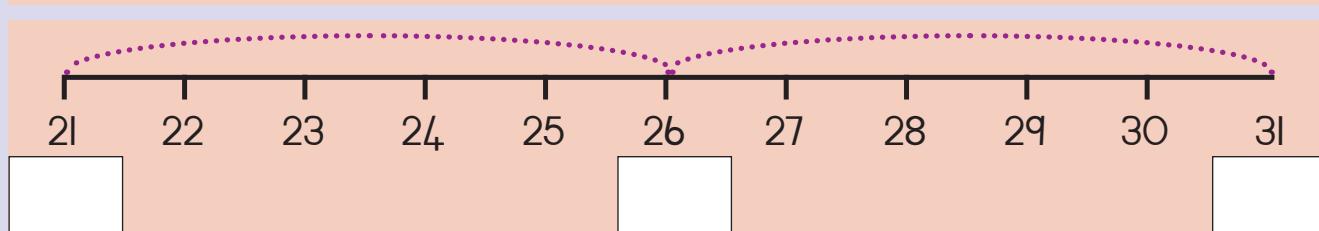
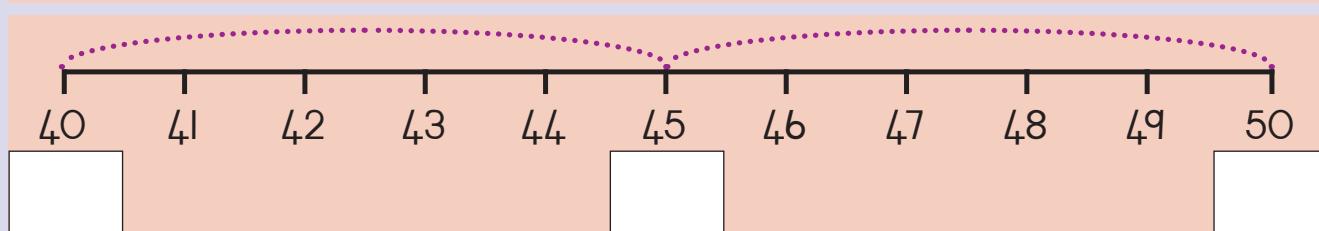
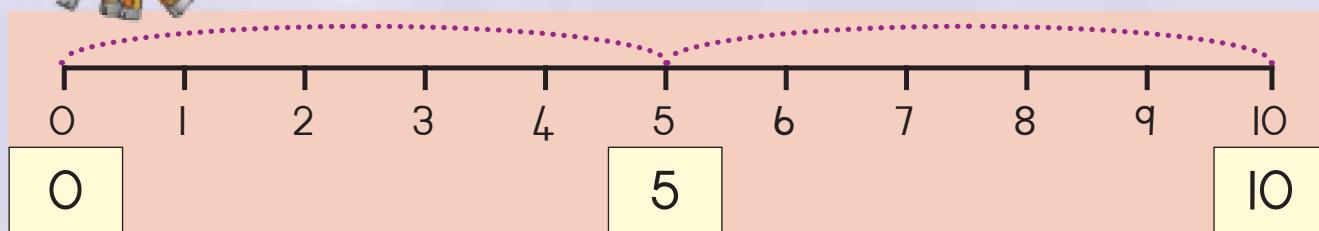


Hi sungule patironi. Yi hetise.

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

5, 10, 15, __, __, __

20, 25, 30, __, __, __

30, 35, 40, __, __, __

1, 6, 11, __, __, __

23, 28, 33, __, __, __

25, 20, 15, __, __, __

50, 45, 40, __, __, __

60, 55, 50, __, __, __

54, 49, 44, __, __, __



5 10 15 20 25 30 35 40 45 50

Teacher:
Sign:
Date:

57a

Kotara ya 2



Siku:

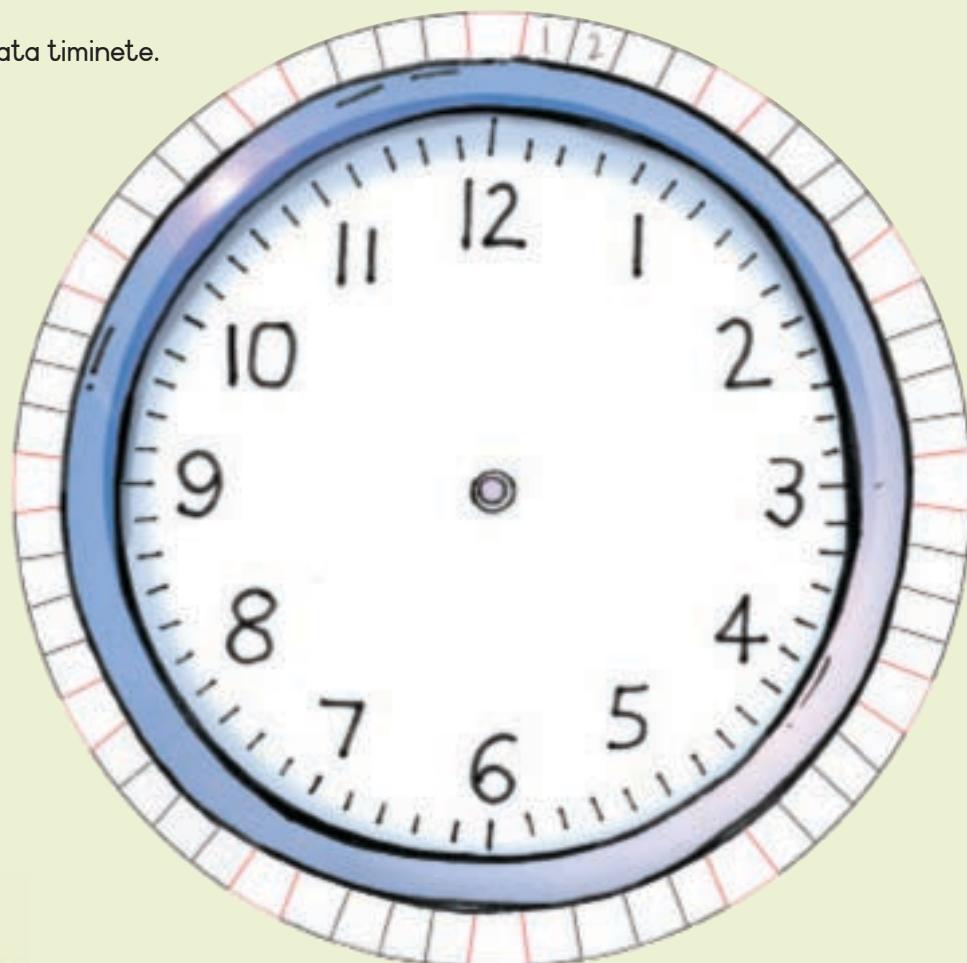
.....

Timinete

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



Tata timinete.



Tsala tinomboro eswikwereni swo tshwuka laha.

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



1 minete	5 wa timinete
30 wa timinete	60 wa timinete



Teacher:

Sign:

Date:

57b

Kotara ya 2



Bulani hi wachi.



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

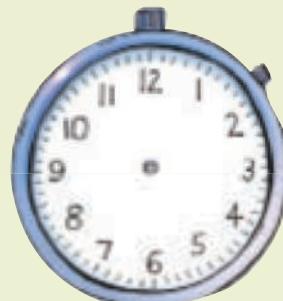


Dirowa **rimhondzo**
ro leha.

55 wa timinete



35 wa timinete



60 wa timinete



10 wa timinete



45 wa timinete



12 wa timinete



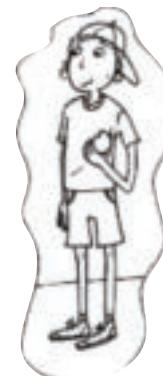
Xana i yini xi nga tekaka minete ku xi endla? Khalara nhlamulo leyji faneleke.



Ku tlula khadi



Ku tlanga



Ku dya



Teacher:

Sign:
Date:

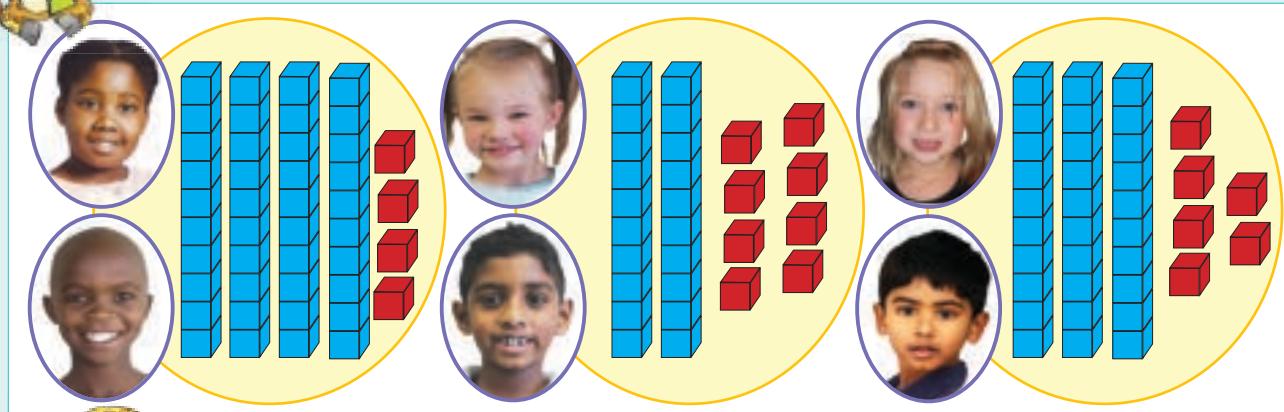
58

Kotara ya 2

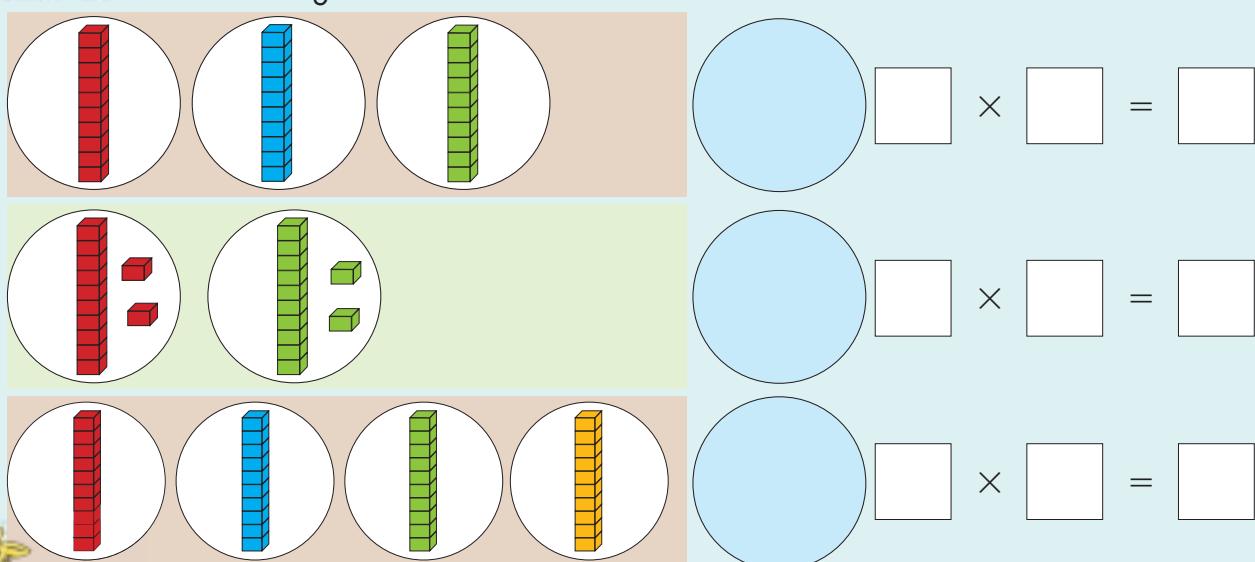


Ku vumba ntawa na ku avela

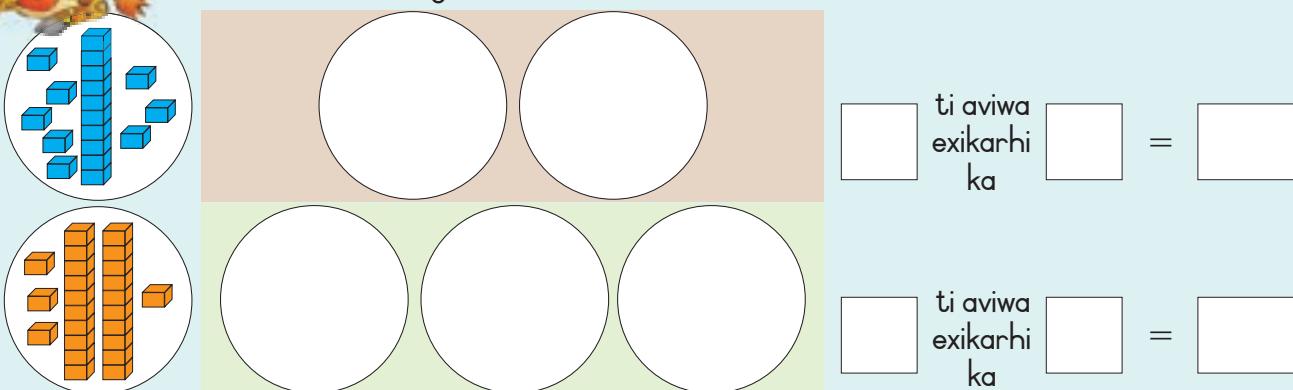
Xana ku na tibuloko tingani eka xirhendzevutana xin'wana na xin'wana? Ti ave hi ku ringana exikarhi ka vana.



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



Ava tibuloko hi ku ringana exikarhi ka swirhendzevutana.



Siku:

.....



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

3 wa mintlawa ya 2

Nhlayo yo hlanganisa:

Nhlayo yo andzisa:

2 wa mintlawa ya 14

Nhlayo yo hlanganisa:

Nhlayo yo andzisa:

Ava swihlayelo swa 12 exikarhi ka 4.

Nhlayo yo susa:

Nhlayo ya ku ava exikarhi ka
(ku avanyisa):

Ava swihlayelo swa 36 exikarhi ka 3.

Nhlayo yo susa:

Nhlayo ya ku ava exikarhi ka
(ku avanyisa):



Khakhuleta:

2 wa mintlawa ya 7 _____ 3 wa mintlawa ya va 8 _____

4 wa mintlawa ya va 5 _____ 2 wa mintlawa ya va 15 _____

Avanyisa 18 hi 2 _____ Avanyisa 24 hi 3 _____

Avanyisa 35 hi 5 _____ Avanyisa 50 hi 10 _____



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



Teacher:

Sign:

Date:

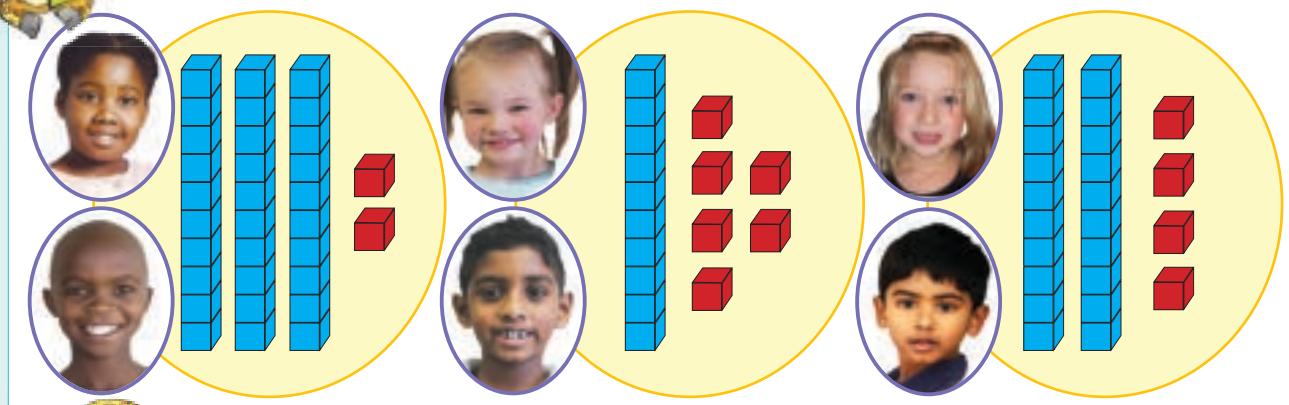
5q

Kotara ya 2



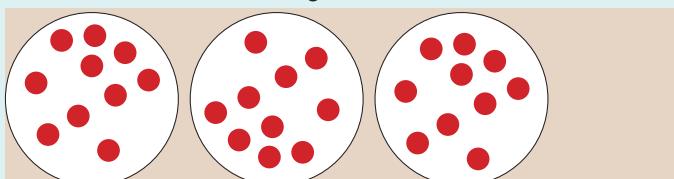
Ku vumba mitlawa yin'wana na ku avela

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

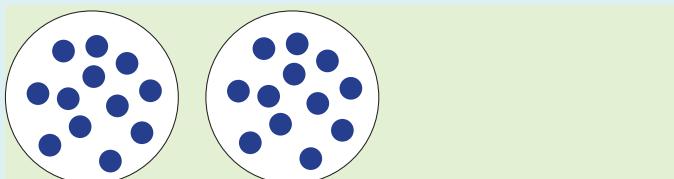


Xana ku na swihlayelo swingani eka xirhendzevutana xin'wana na xin'wana?

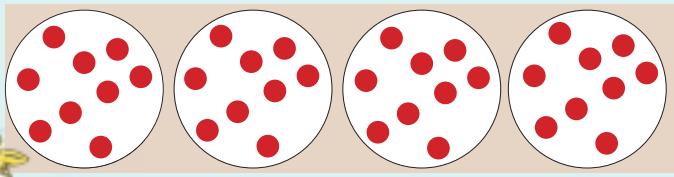
Tsala ntsengo eka xirhendzevutana xa wasi.



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



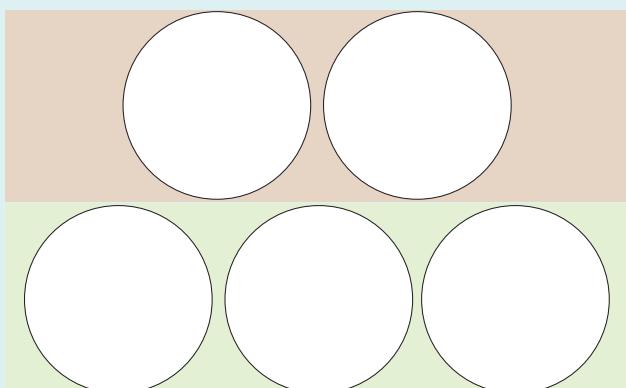
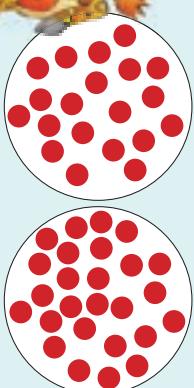
$$\square \times \square = \square$$



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

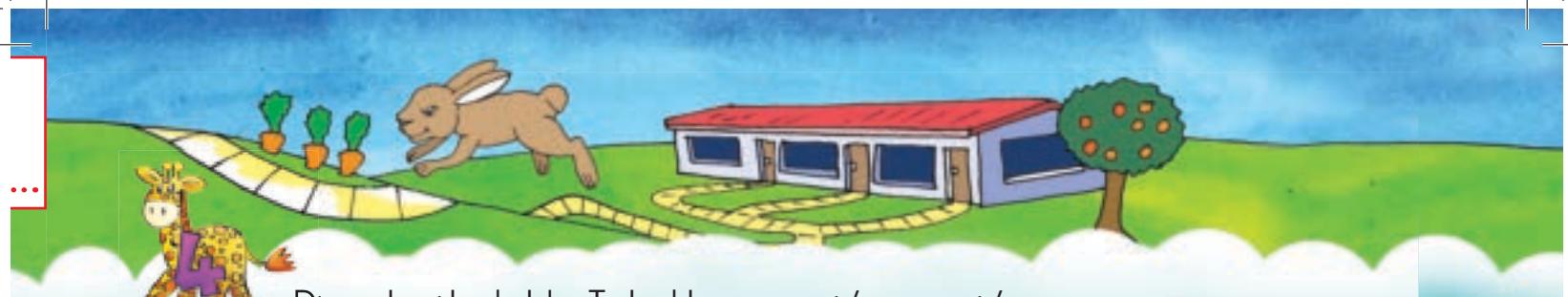


Avanyisa swihlayelo endzeni ka swirhendzevutana.



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

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



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 _____



Kambinhi



Teacher:

Sign:
Date:

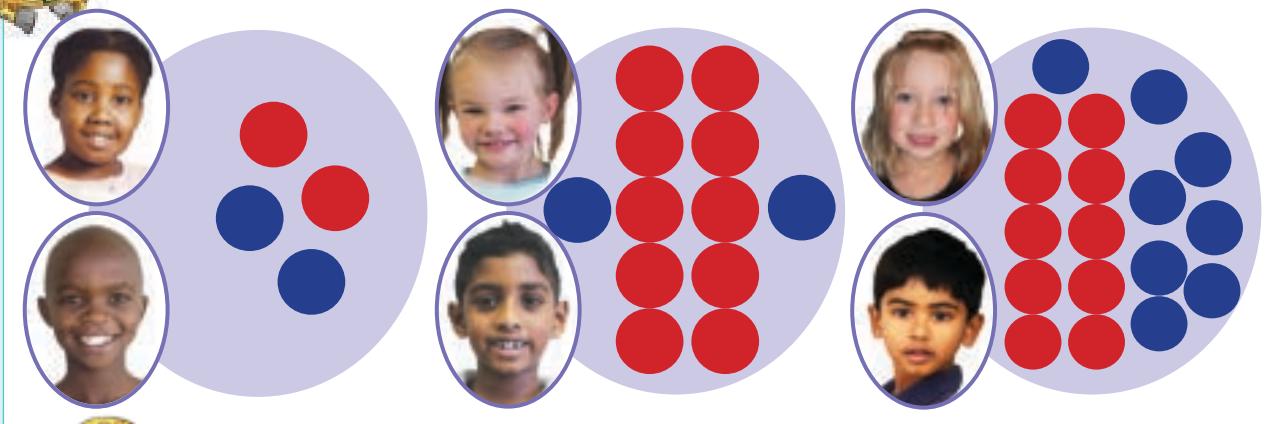
60

Kotara ya 2

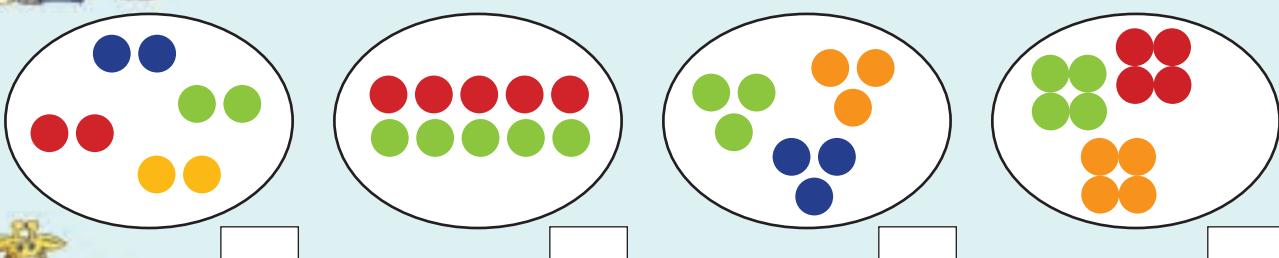


Ku vumba mintlawa yin'wana na ku avela

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

tiyinhanharhu



swikwere



Ava mihandzu exikarhi ka vana. Yi dirowe.



malamula



maapula



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



Teacher:

Sign:

Date:

6l

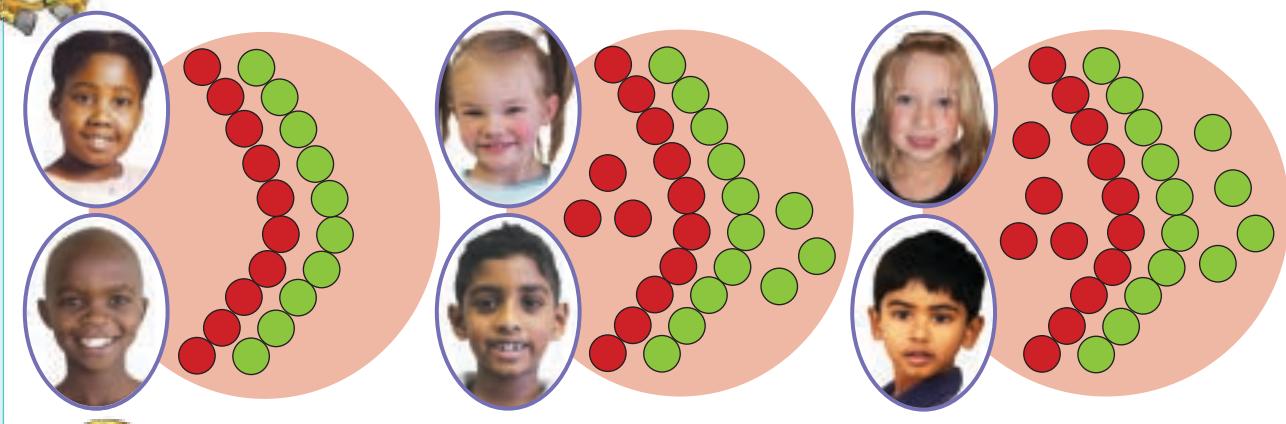
Kotara ya 2



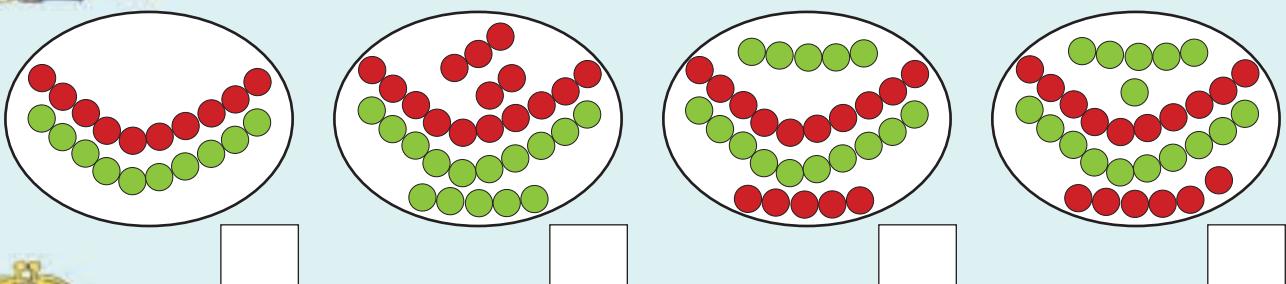
Ku vumba mintlawa na ku avela nakambe

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 6l)
kutani u byi damarheta laha. Hlayela vuhlalu.

Vuhlalu byo tshwuka

Vuhlalu bya wasi

Vuhlalu bya xitshopana

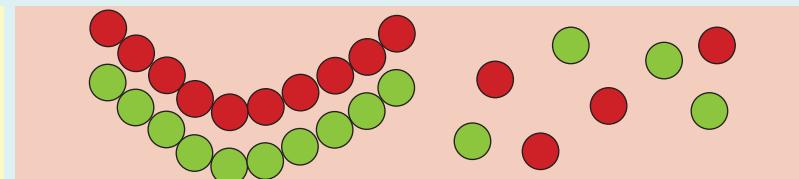
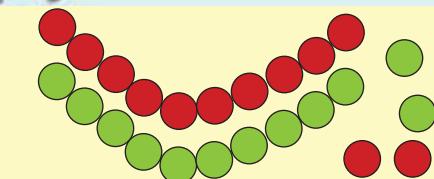
Vuhlalu bya rihlaza



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



Ava vuhlalu exikarhi ka vana. Byi dirowe.



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



Teacher:

Sign:

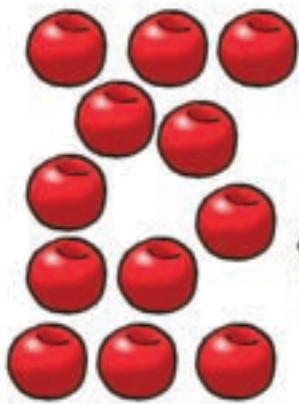
Date:



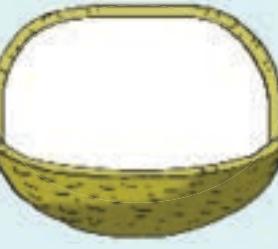
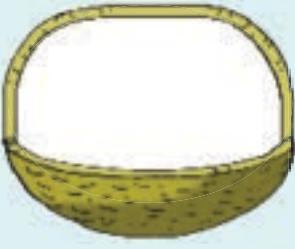
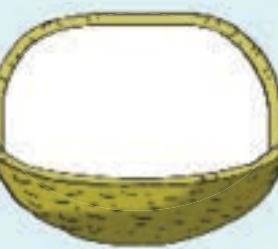
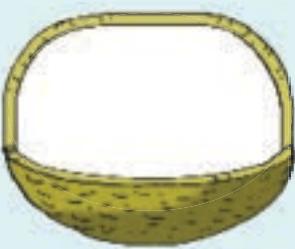
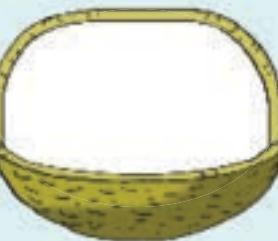
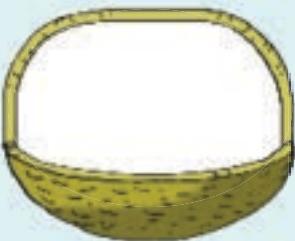
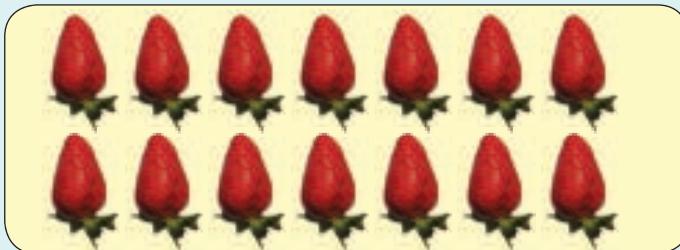
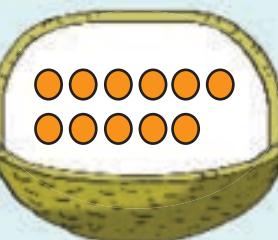
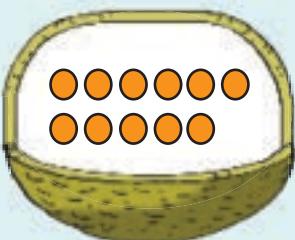
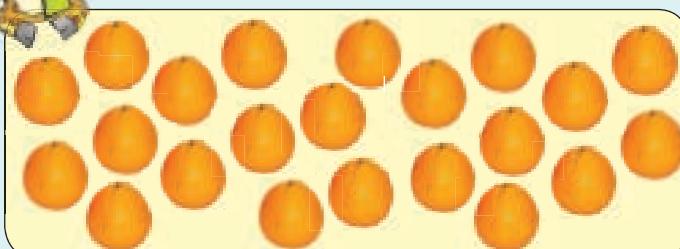
Siku:

Tihafu: 1 – 20

Xana ku humelele yini hi maapula?



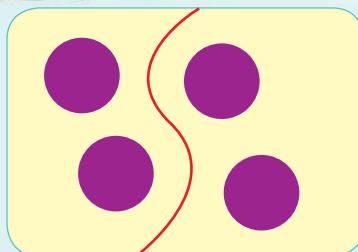
Ava mihadzu leyji nga eximatsini eka tibasikit i leti nga exineneni. Yi dirowe.



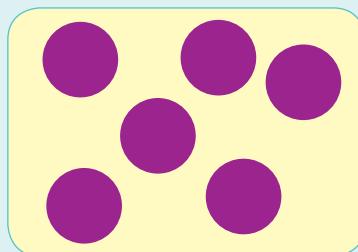


2

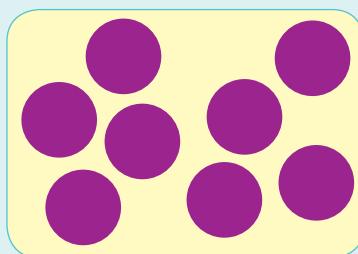
Dirowa layini ku kombisa hafu.



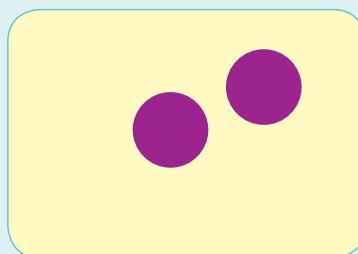
Hafu ya 4 i



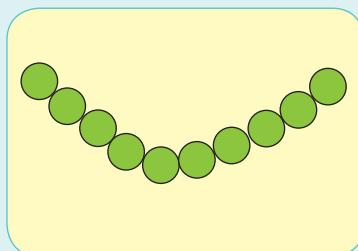
Hafu ya 6 i



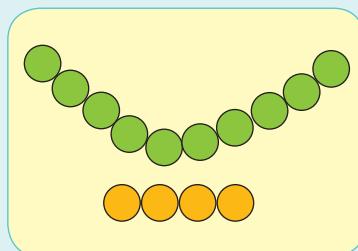
Hafu ya 8 i



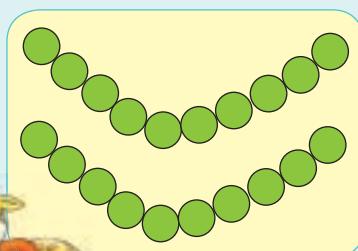
Hafu ya 2



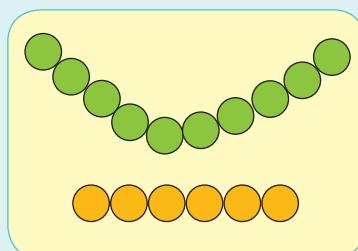
Hafu ya 10 i



Hafu ya 14 i



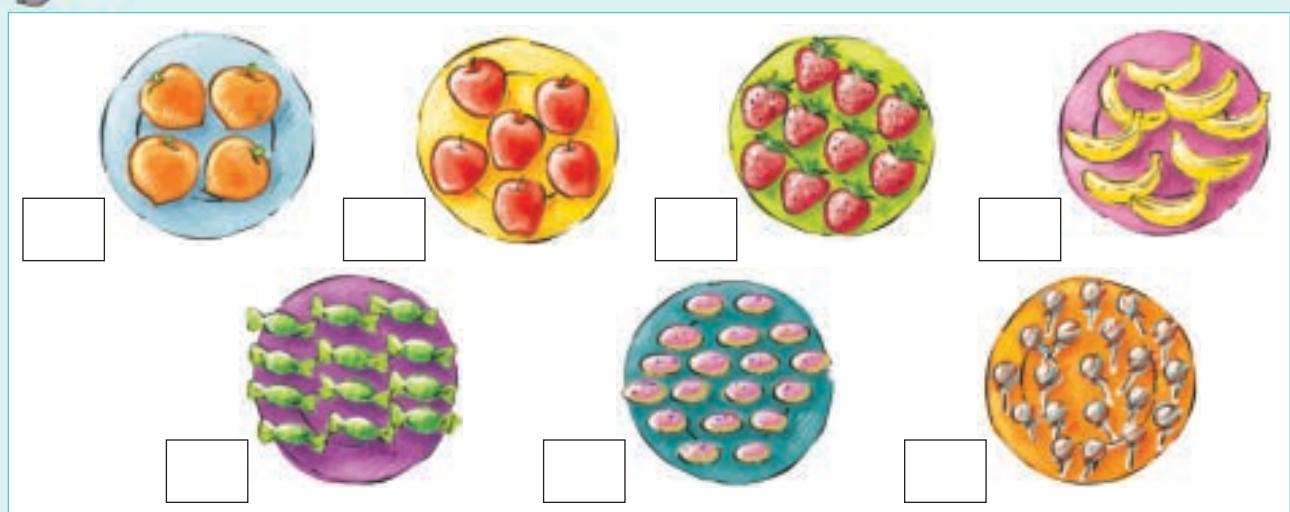
Hafu ya 20 i



Hafu ya 16 i

3

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



Teacher:

Sign:

Date:

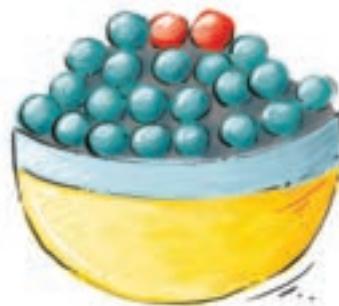
63

Kotara ya 2



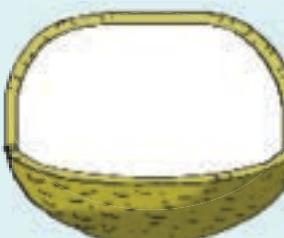
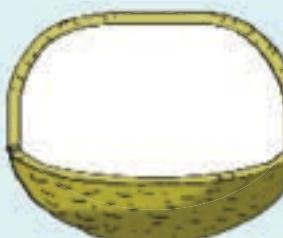
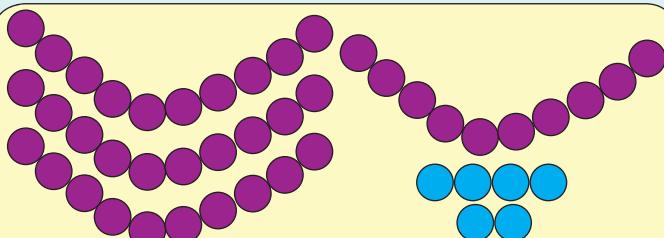
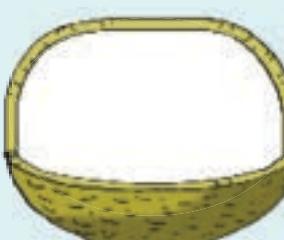
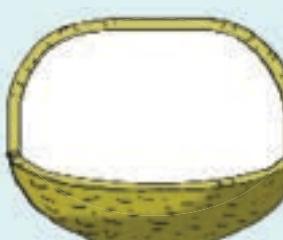
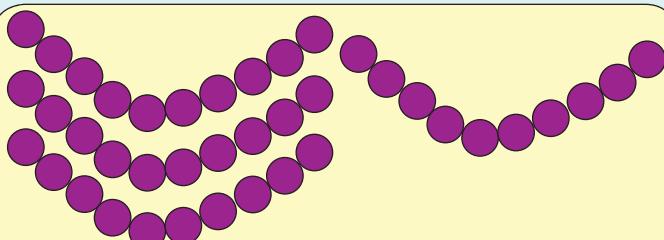
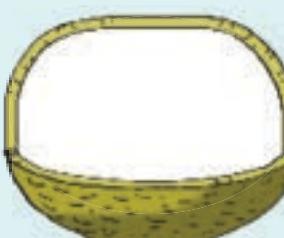
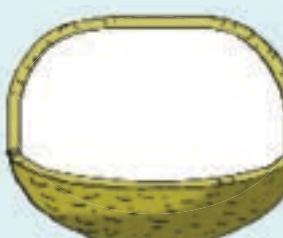
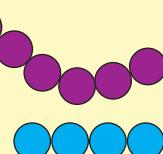
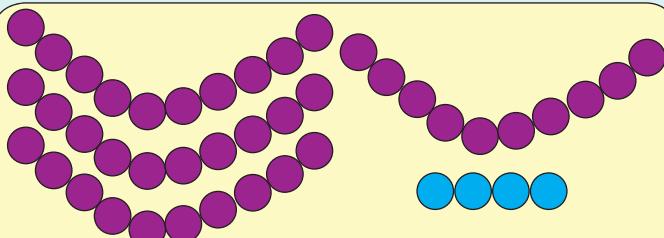
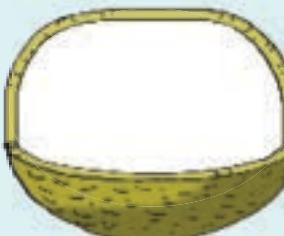
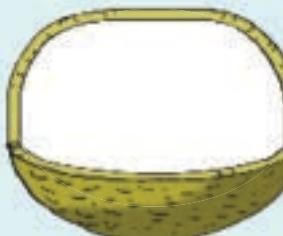
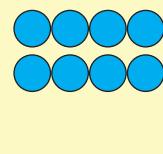
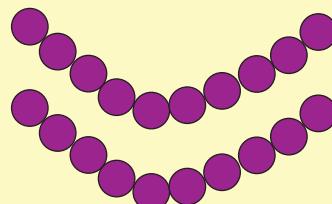
Siku:

Ku avelana 20 – 50



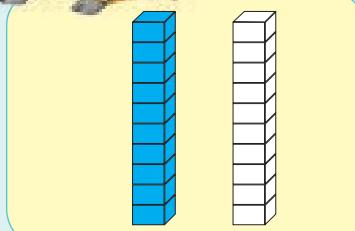
Byela munghana wa wena leswaku vuhlalu byi
aviwe njhani exikarhi ka swibye swimbirhi.

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

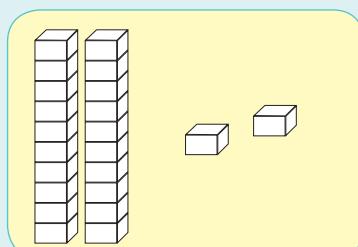




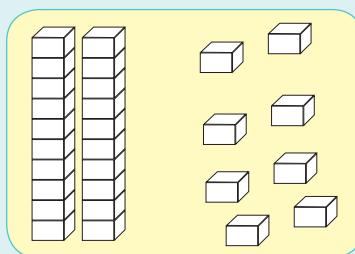
Khalara hafu yin'we hi muhlovo wo hambana.



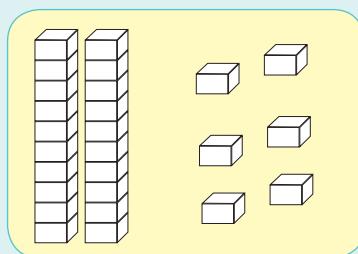
Hafu ya 20 i 10



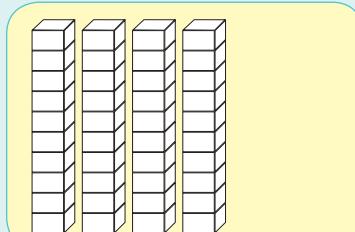
Hafu ya 22 i



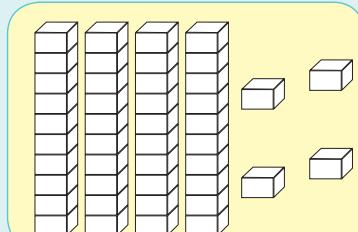
Hafu ya 28 i



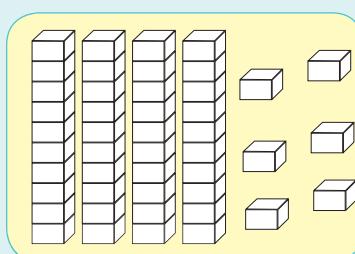
Hafu ya 26 i



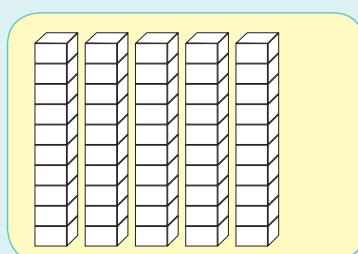
Hafu ya 40 i



Hafu ya 44 i



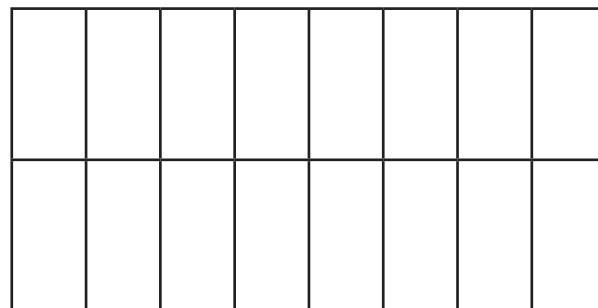
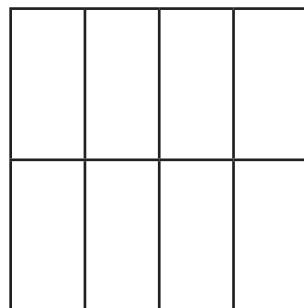
Hafu ya 46 i



Hafu ya 50 i



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



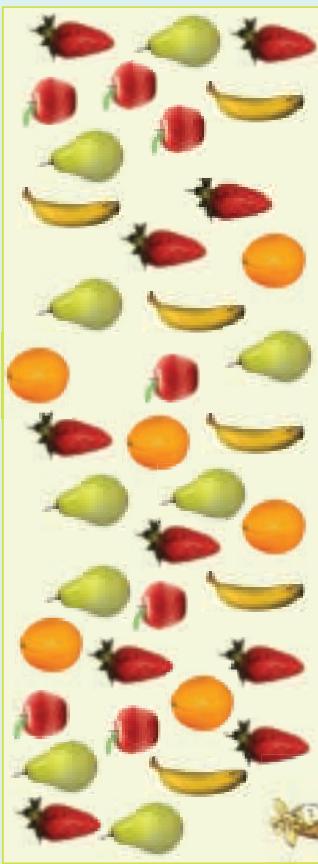
Teacher:

Sign:

Date:



Dorowa qirafu ya swifaniso swa mihandzu leji hlawuleriweke.



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

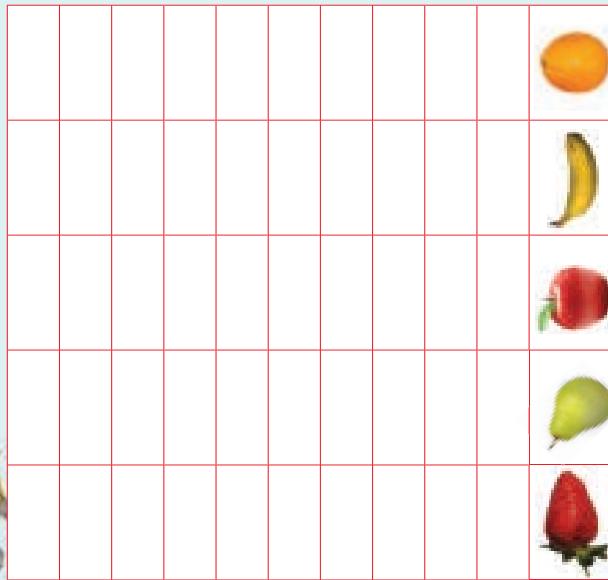
Switiviwa

Kotara ya 2

64



Hiku hlawuləla
ndzi veka
mihandzu leji
fanaka swin'we.



Mihandzu yo tala leyji hi nga na
yona hi yihī?

Mihandzu leyí nga talangiki leyí
hi nga na yona hi yihí?

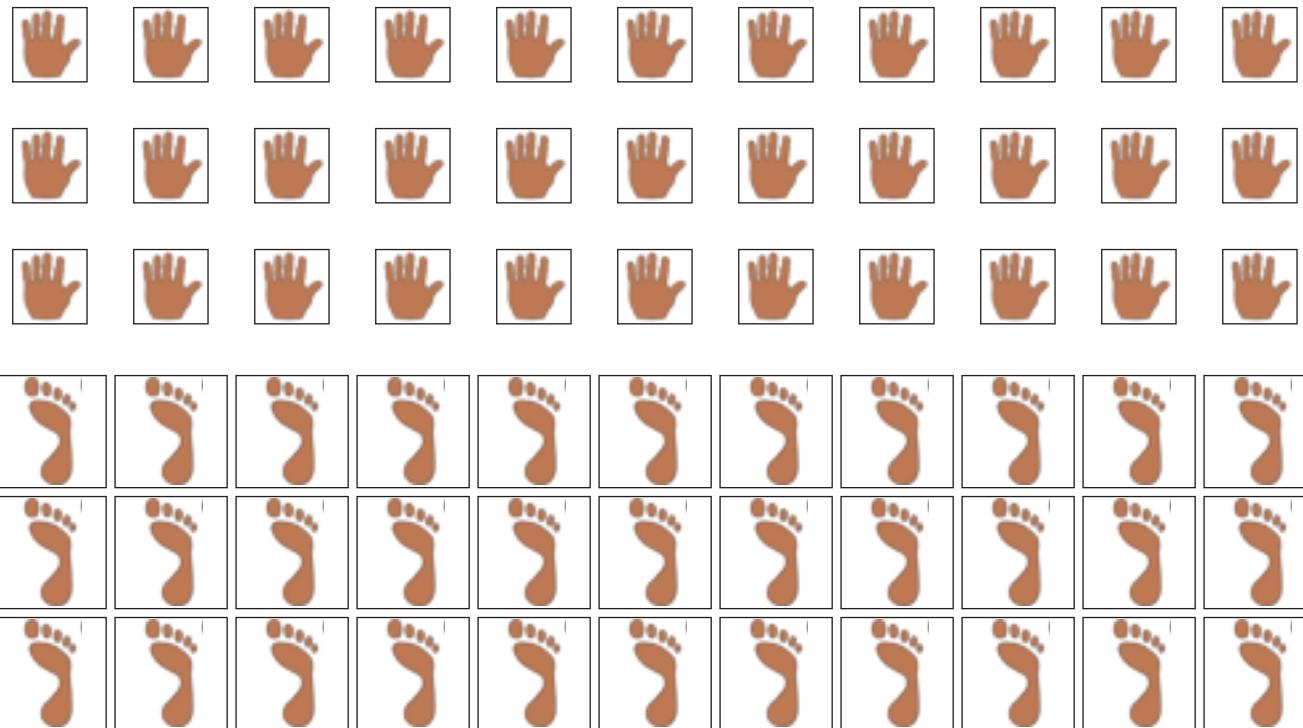
Sign:
Date:



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

Xitsemiwa xa I

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



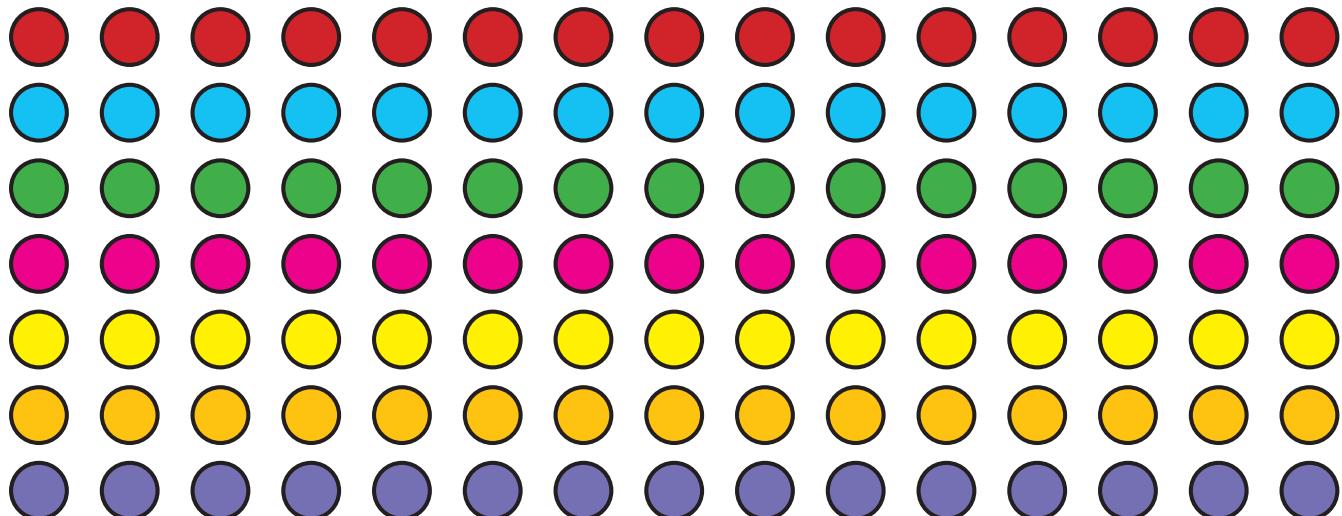
Cut-out 3

Worksheets 25 and 26

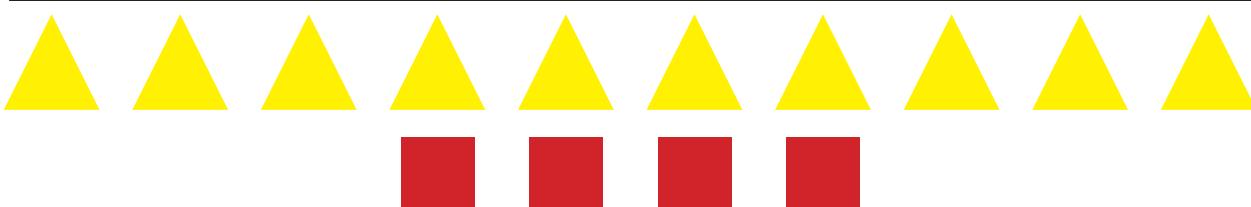
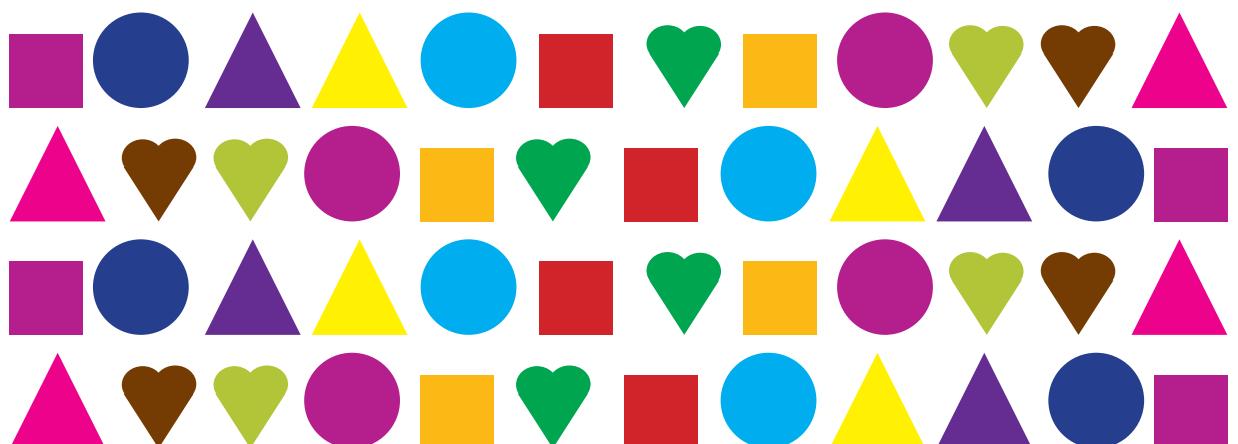


Cut-out 4

Worksheet 27



Worksheet 60



Worksheet 61

