

U Talukanya Mulayotewa (Ndayotewa) wa Riphabuġiki ya Afrika Tshipembe (1996)

Milayo ya nthesa ya shango i wanala kha Mulayotewa (Ndayotewa) wa Riphabuġiki ya Afrika Tshipembe (1996). Milayo iyi i na maanġa u fhira na muphuresidennde, maanġa ayo a fhira a dzikhothe na a muvhuso woġhe.

Ndi milayo ine ya laya vhatu vha ġino shango uri vha tea u farana nga ndilaġe. Mulayotewa wa shango wo itelwa u tsireledza roġhe ri no khou tshila zwino na vhana vhashu vhane vha kha ġi ġo ġa.

Talukanyani hune ra bva hone.	Ri songo dovha vkhakhi ha mulovha.	Mulayotewa washu u ri thusa uri ri elekanye nga vhumatshelo ha khwiġe ha roġhe khatihi na u vhu fhaġa.
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Riġe, vhatu vha Afrika Tshipembe;
 Ri dzhiela nġha u shaea ha vhulamukanyi kha tshifhinga tsho fhelaho;
 Ri šhonifha havho vhe vha tambulela vhulamukanyi na mbofholowo kha shango ġashu;
 Ri šhonifha havho vhe vha shuma vha tshi itela u fhaġa na u bveledzisa shango ġashu; na

U tenda uri Afrika Tshipembe ndi ġa vhoġhe vhane vha dzula khaġo, vho vhohekanywaho vha vha huthihi naho vha sa fani.

Zwenezwo, nga kha vhaimeleli vho khethiwaho zwavhuġi, ri khou šanganedza ino Ndayotewa sa wone Mulayo Muhulusa wa Riphabuġiki uri u—

Fhelise khethululo ya tshifhinga tsho fhelaho na u thoma tshitshavha tshine tsho ġisendeka kha ndeme dza demokirasi, vhulamukanyi ha matshilisano na pfanelo dza vhuthu;

Fhaġe mitheo kha demokirasi na tshitshavha tshi re khagala hune muvhuso wo ġisendeka kha lufuno lwa vhatu nahone vhadzulapo vho tsireledzwa nga mulayo nga ndila I linganaho;

Khwinisa ndeme ya Vhutshilo ha vhadzulapo vhoġhe na u vhofoholola vhukoni ha muthu muġwe na muġwe; na

Fhaġa mbumbano na demokirasi zwa Afrika Tshipembe uri ġi kone u vha fhethu ho teaho sa muvhuso wo ġiimisaho kha muġa wa tshaka.

Shumisani pfanelo dzaġu sa mudzulapo wa Afrika Tshipembe ni dovhe ni vhe na vhuġifhinduleli ha u tsireledza pfanelo dza vhaġwe.	Divhani Mulayotibe Wa Pfanelo na Mulayotibe Wa Vhuġifhinduleli.
---	---

Mudzimu tsireledza vhatu vhashu.
 Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
 God seġn Suid-Afrika. God bless South Africa.
 Hosi katekisa Afrika.

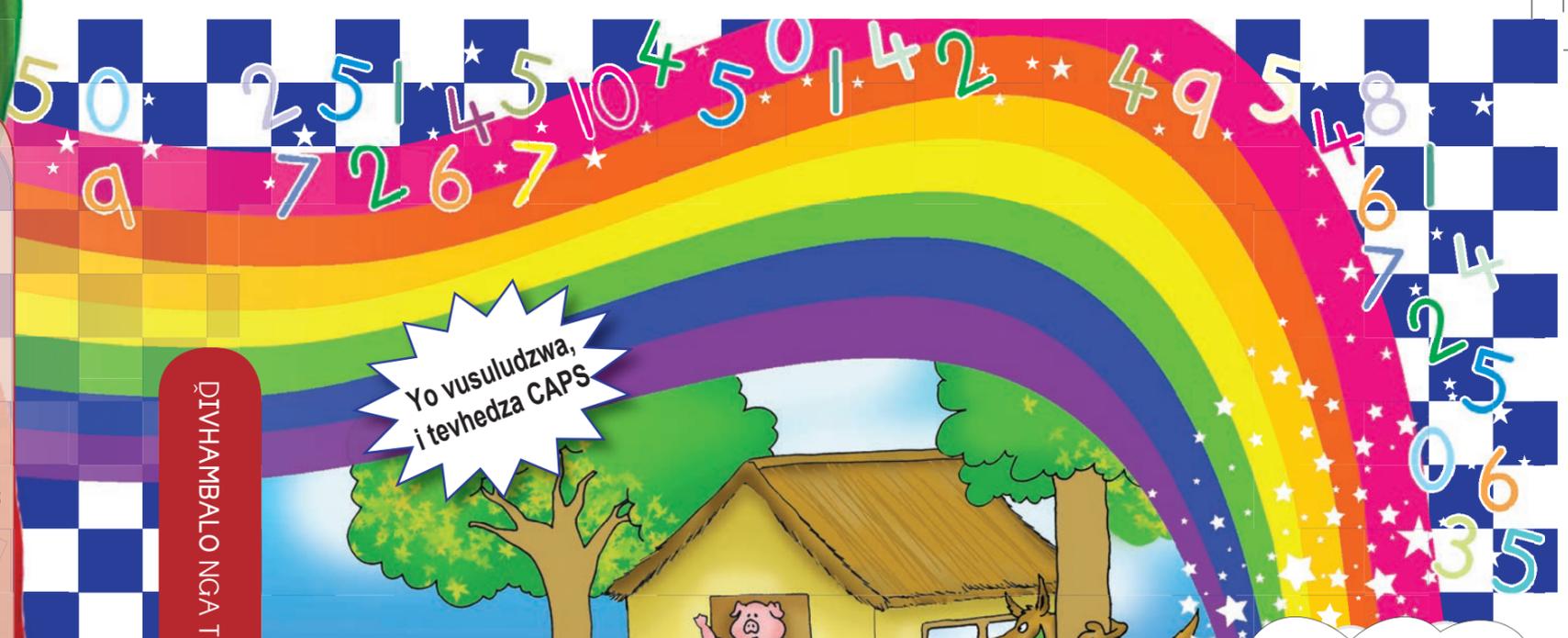


**MATHEMATICS IN TSHIVENġA
 GRADE 1 – BOOK 2
 TERMS 3 & 4
 ISBN 978-1-4315-0134-2
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 9th Edition**

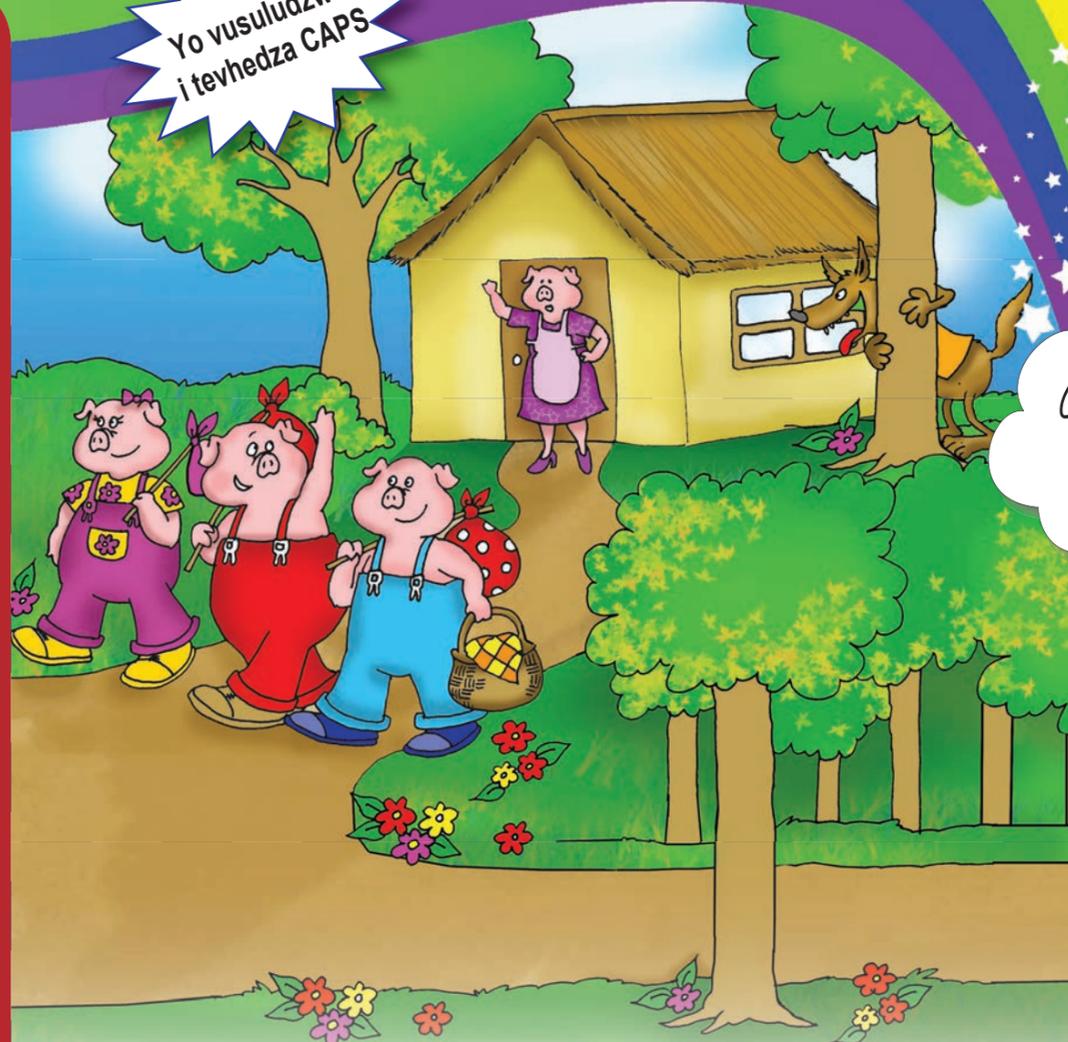


DIVHAMBALO NGA TSHIVENġA – Gireidi ya 1 Bugu ya 2

ISBN 978-1-4315-0134-2



**Yo vusuludzwa,
 i tevhedza CAPS**



Gireidi ya 1

Dzina: _____ Kiġasi: _____



**DIVHAMBALO
 NGA TSHIVENġA**

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 Themo 3 & 4

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Vho Angie Motshekga
Minista wa Muhasho wa
Pfunzo ya Muteo



Vho Enver Surty
Muthusaminista wa
Pfunzo ya Muteo

Bugu idzi dzo iwalelwa vhana vha Afrika Tshipembe, mushumo wa hone wo rangiwa phanda nga Minista wa Pfunzo ya Muteo, Vho Angie Motshekga na Muthusaminista wa Pfunzo ya Muteo, Vho Enver Surty.

Bugu dza u shumela dza Rainbow ndi tshipiḽa tsha zwe Muhasho wa Pfunzo ya Muteo wa ita zwa u khwiṅisa vhukoni ha vhaḽudi vha Afrika Tshipembe vha gireidi dza rathi dza u ranga. Sa tshiiṅwe tsha zwithu zwihulwane zwa Pulanetshumisi ya Muvhuso, thandela iyi yo konadzea nge ya lambedzwa lu sa vhudziswi nga Muhasho wa Gwama la Lushaka.

Hezwi zwo ita uri Muhasho u kone u bveledza bugu idzi, dzi kha nyambo dzoṽthe dza tshiofisi, dzi tshi waniwa mahala.

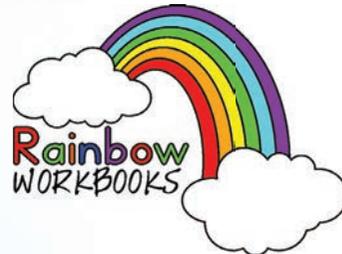
Ri na fulufhelo lauri bugu idzi dzi ḽo thusa vhadededzi (vhagudisi) mushumoni wavho wa u funza wa ḽuvha liṅwe na liṅwe khathihi na u vha na vhuṽanzi uri vha khunyeledze kharikhu lamu yoṽthe. Ro ita nga vhuronwane uri ri sumbedze nḽila vhadededzi kha nyito nge ra shumisa aikhoni dzi no sumbedza uri mugudi u tea u ita zwifhio.

Ri na fulufhelo li no bva li mbiluni uri vhana vha ḽo ḽiphiṅa nga u shumisa bugu idzi zwenezwi vha tshi khou aluwa na u guda, khathihi na uri na vhonevho, sa mudededzi, vha ḽo ḽiphiṅa na vhana avha.

Ri ri kha vhone na vhagudi vhavho, ngavhe zwi tshi vha nakela musi vha tshi shumisa bugu idzi. Zwi pfumbe.



Gireidi
ya



NGA TSHIVENḐA

Bugu iyi ndi ya:



TSHIVENḐA

Bugu ya

2

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

Pfesesani nomboro II

Themo ya 3

Mvusuludzo:

Itani ndowendowe ya u n'wala nomboro.

 thihi

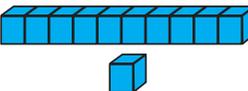
1 1

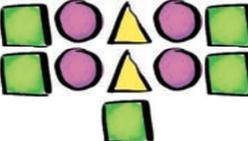
 mbili

2 2



Livhanyani zwifanyiso.

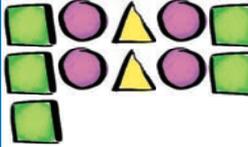




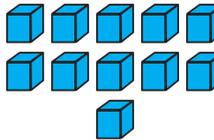
10 1

11





11



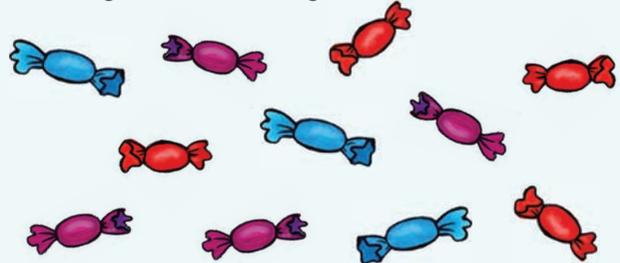


10 1



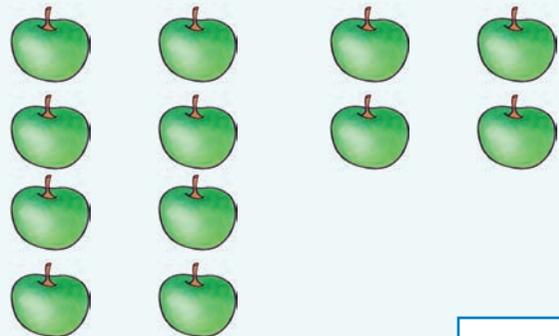
Tangedzelani zwithu.

Tangedzelani malegere a 10 fhedzi.



Ho sala malegere mangana?

Tangedzelani maapula a 10 fhedzi.



Ho sala maapula mangana?





Tovhedzelani nomboro.



Khoḽomo inwe na inwe i tea u vha na tḥanganyelo ya II. Nwalani nomboro dzi no khou tḥahela.

3	5	4
4	5	
4		2
II	II	II

fumithihi			



Olani zwithu zwa II.

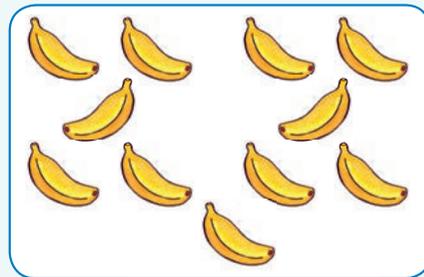


Nwalani nomboro dzi no khou tḥahela.

○ 1 ○ 2 ○ ○ 4 ○



Vhalani zwithu.



Fhedzisani thebulu. Rou (muduba) inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.



Ndi nomboro ifhio i re tḥukhu kha II nga thihi?

Ndi nomboro ifhio i re khulwane kha II nga thihi?

		fumithihi
		fumithihi
	fumithihi	

○
□
△

Teacher:
Sign:
Date:



Pfesesani nomboro 12

Themo ya 3

Mvusuludzo:

Itani ndowendowe ya u n'wala nomboro.

 raru

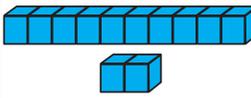
3 3

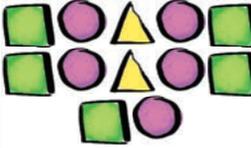
 ina

4 4



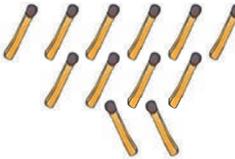
Livhanyani zwifanyiso.

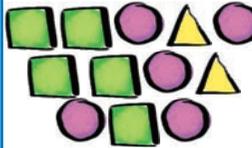




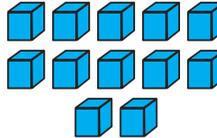
10
2

12





12





10
2



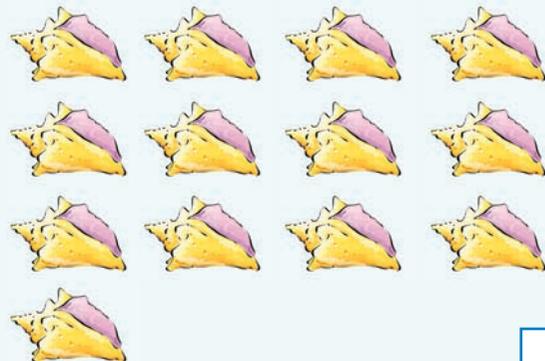
Tangedzelani zwithu.

Tangedzelani zwienda zwa 10 fhedzi.



Ho sala zwienda zwingana?

Tangedzelani khambalwanzhe dza 12 fhedzi.



Ho sala khambalwanzhe nngana?





Tovhedzelani nomboro.

12	12	12	12
fumimbili			
12	12	12	12

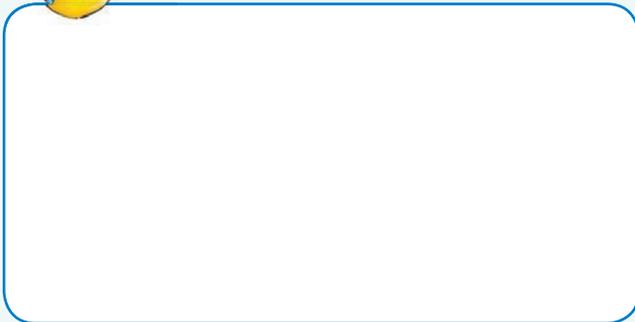


Khoḽomo inwe na inwe i tea u vha na tḥanganyelo ya 12. Nwalani nomboro dzi no khou tḥahela.

	7	6
4		4
3	2	
12	12	12



Olani zwithu zwa 12.

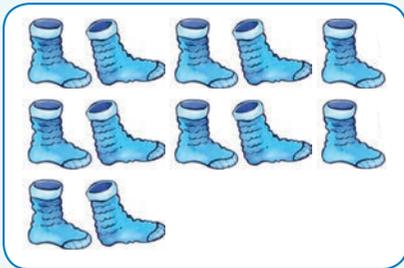


Nwalani nomboro dzi no khou tḥahela.

3		5			
8			11		



Vhalani zwithu.



Fhedzisani thebulu. Rou inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.

		fumimbili
	12	fumimbili
		12
fumimbili		



Ndi nomboro ifhio i re tḥukhu kha 12 nga thih? _____

Ndi nomboro ifhio i re khulwane kha 12 nga thih? _____

Teacher: _____
Sign: _____
Date: _____



Pfesesani nomboro 13

Themo ya 3

Mvusuludzo:

Itani ndowendowe ya u n'wala nomboro.

 ṭhanu

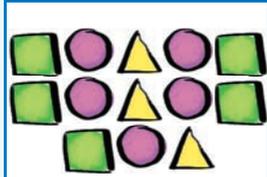
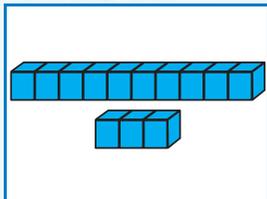
5 5

 rathi

6 6

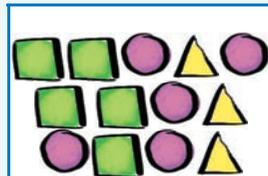
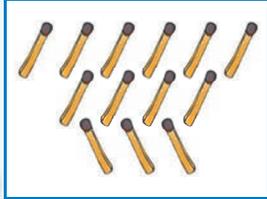


Livhanyani zwifanyiso.

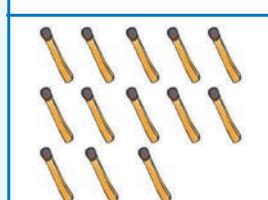
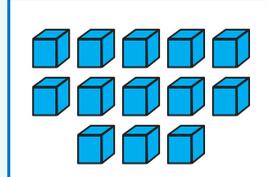


10
3

13



13



10
3



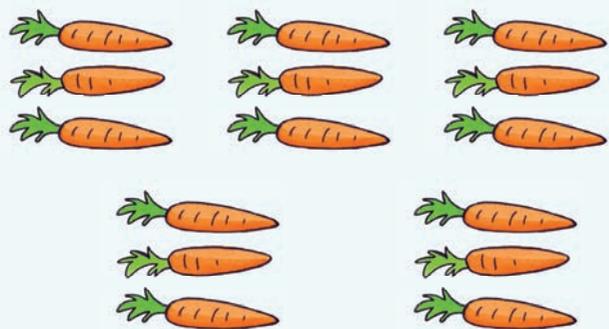
Tangedzelani zwithu.

Tangedzelani zwimange zwa 10 fhedzi.



Ho sala zwimange zwingana?

Tangedzelani kherotsi dza 13 fhedzi.



Ho sala kherotsi nngana?





Tovhedzelani nomboro.



Khoḽomo inwe na inwe i tea u vha na tḥanganyelo ya 13. Nwalani nomboro dzi no khou tḥahela.

13	13	13	13
fumiraru			
13	13	13	13

1	2	6
1		
	3	2
13	13	13



Olani zwithu zwa 13.

Zwino zwi oleni nga ndila inwevho.

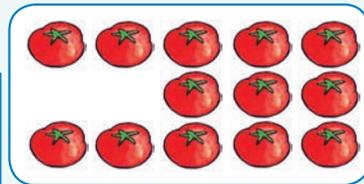
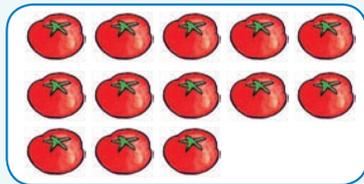


Nwalani nomboro dzi no khou tḥahela.

	10		12	
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Vhalani zwithu.



Fhedzisani thebulu. Rou inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.



Ndi nomboro ifhio i re tḥukhu kha 13 nga thihi?

Ndi nomboro ifhio i re khulwane kha 13 nga thihi?

		fumiraru
	13	fumiraru
13		
	fumiraru	

Teacher: _____

Sign: _____

Date: _____

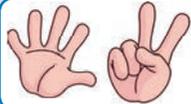


Pfesesani nomboro 14

Themo ya 3

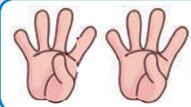
Mvusuludzo:

Itani ndowendowe ya u n'wala nomboro.



sumbe

7 7

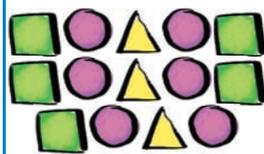
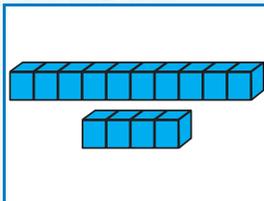


malo

8 8

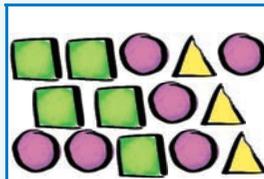


Livhanyani zwifanyiso.

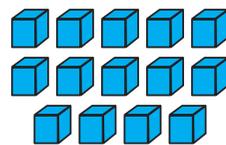


10
4

14



14



10
4



Tangedzelani zwithu.

Tangedzelani zwisusu zwa 10 fhedzi.



Ho sala zwisusu zwingana?

Tangedzelani rokho dza 14 fhedzi.



Ho sala rokho nngana?





Tovhedzelani nomboro.



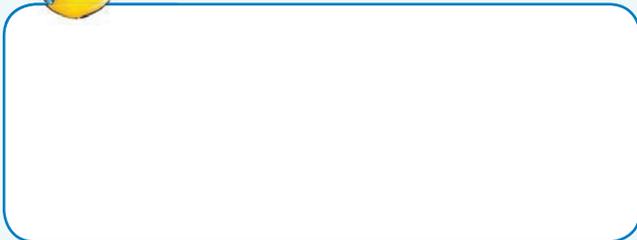
Kholomo inwe na inwe i tea u vha na t̄hanganyelo ya 14. Nwalani nomboro dzi no khou t̄ahela.

14	14	14	14
fumiina			
14	14	14	14

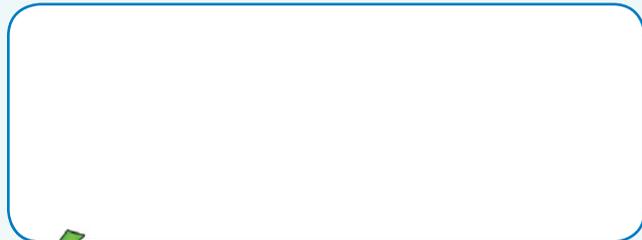
1		2
	5	1
3	2	
14	14	14



Olani zwithu zwa 14.



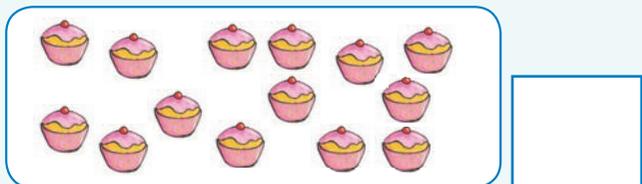
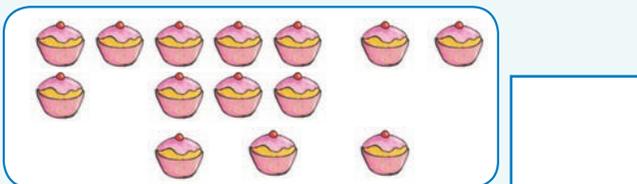
Zwino zwi oleni nga ndila inwevho.



Vhalani zwithu.



Nwalani nomboro dzi no khou t̄ahela.



Fhedzisani thebulu. Rou inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.



Ndi nomboro ifhio i re t̄hukhu kha 14 nga thihi?

Ndi nomboro ifhio i re khulwane kha 14 nga thihi?

	14	fumiina
14		
	fumiina	

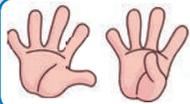
Teacher: _____
Sign: _____
Date: _____



Pfesemani nomboro 15

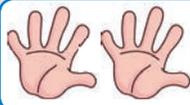
Mvusuludzo:

Itani ndowendowe ya u n'wala nomboro.



t̄ahe

9 9



fumi

10 10



Livhanyani zwifanyiso.

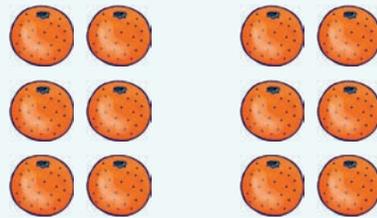
10 5
15



Tangedzelani zwithu.

15
10 5

Tangedzelani maswiri a 10 fhedzi.



Ho sala maswiri mangana?

Tangedzelani n̄aledzi dza 15 fhedzi.



Ho sala n̄aledzi nngana?



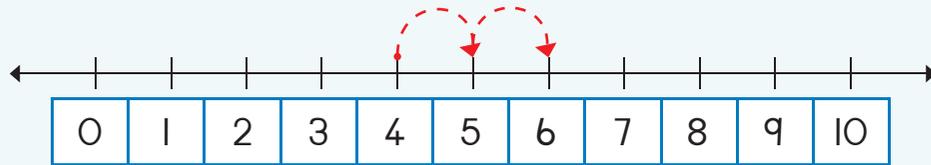
N̄walani phindulo.



$7 + 2 =$



0 1 2 3 4 5 6 7 8 9 10



$$4 + 2 =$$



Tovhedzelani nomboro.

15 15 15 15

fumiṭanu

15 15 15 15



Olani zwithu zwa 15.

Zwino i oleni nga ṅdila inwevho.



Ṇwalani nomboro dzi no khou ṭahela.



Vhalani zwithu.



Fhedzisani thebulu. Rou inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.



Ndi nomboro ifhio i re ṭhukhu kha 15 nga thihhi?

Ndi nomboro ifhio i re khulwane kha 15 nga thihhi?

	15	fumiṭanu
		fumiṭanu
15		



Teacher: _____
Sign: _____
Date: _____



11 12 13 14 15 16 17 18 19 20



Muṭanganyo u swika kha 20

– U isa phanda

Mvusuludzo:

Itani ndowendowe ya u nṱwala dzinambalo.

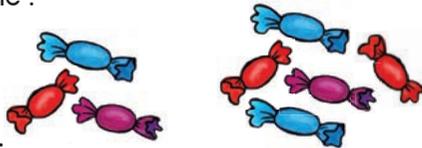
6

rathi



Lavhelesani zwifanyiso ni nṱwale fhungombalo la tshifanyiso tshinwe na tshinwe.

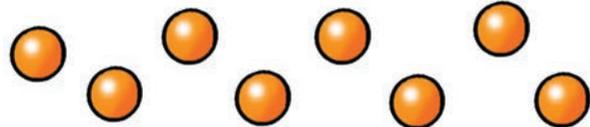
Lisa u na maḽegere a 3. Mandla u na maḽegere a 5. Vha na maḽegere mangana o ṱangana oṱhe?



Kha ri vhale:

3	...	4	5	6	7	8
<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>		

Ndo vha ndi na mimavhulu ya 8 nda xedza ya 4. Ndo salelwa nga mimavhulu mingana?

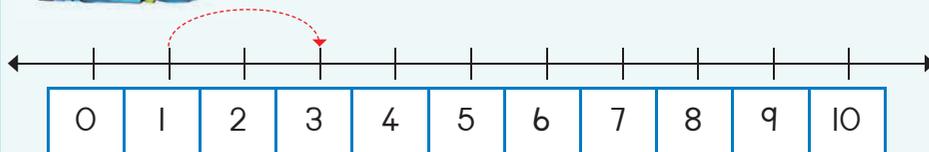


Kha ri vhale ri tshi ya murahu:

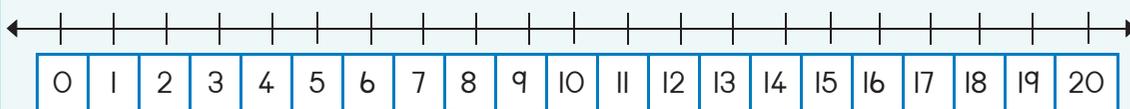
8	...	7	6	5	4
<input type="text"/>	-	<input type="text"/>	=	<input type="text"/>	



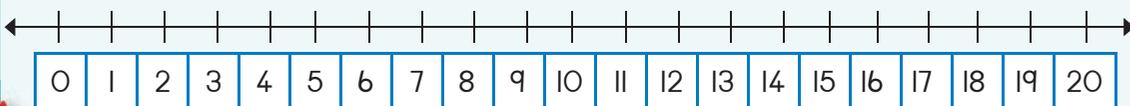
Nṱwalani phindulo.



$1 + 2 = \square$



$13 + 2 = \square$

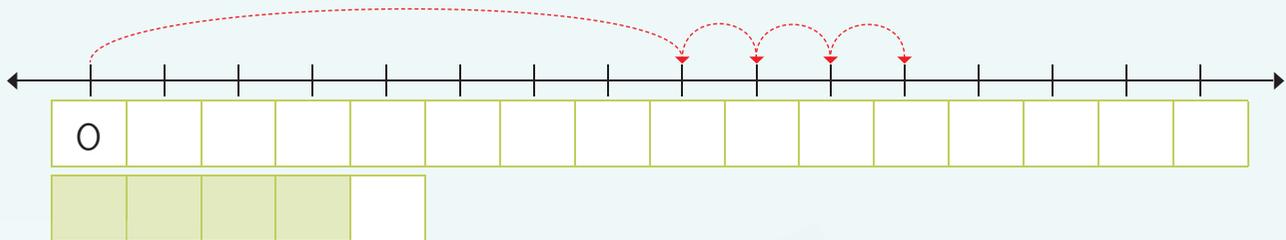
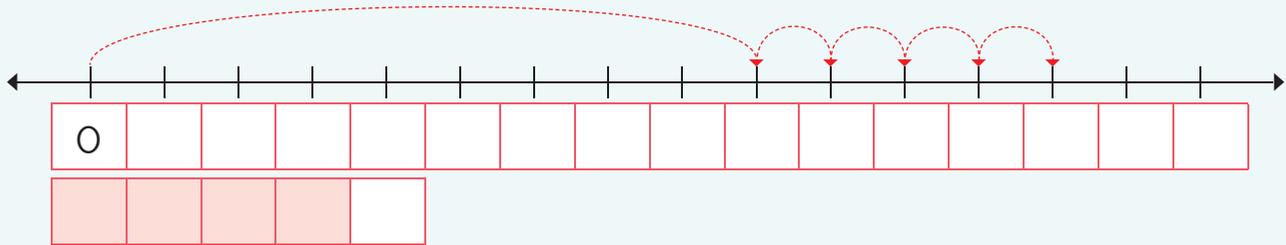
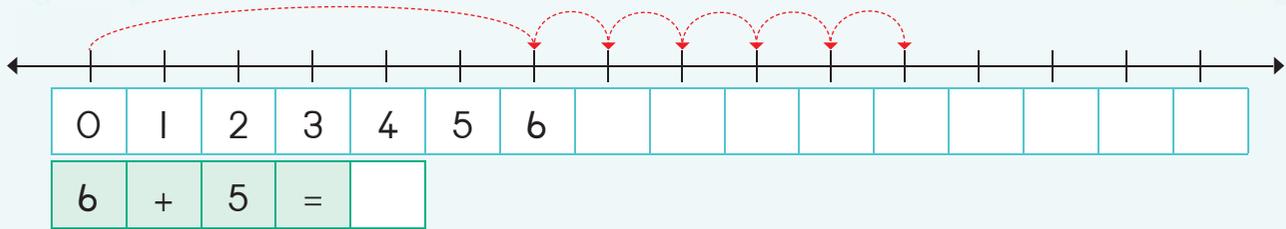


$15 + 2 = \square$





Ñwalani nomboro kha mutalombalo ni kone u ñwala fhungombalo la nomboro inwe na inwe.



Vhalelani nga 2.

3	5
4	
2	



7	
8	
6	



Ñwalani nomboro.

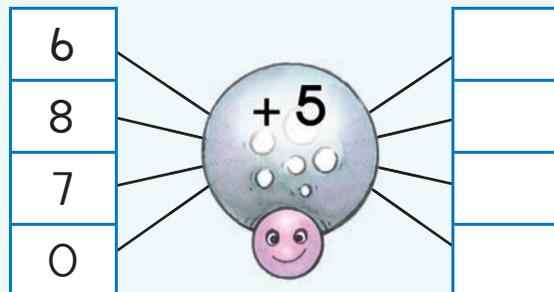
Ndi na miñwaha ya 7. Ndi do vha ndi na miñwaha mingana nga murahu ha miñwaha ya 5?

7					
---	--	--	--	--	--

Ndi do vha ndi miñwaha ya _____.



Thusani buvhi u fhedzisa mbalo.



Teacher: _____
Sign: _____
Date: _____

Muṭanganyo – u fhaṭa na u paḍukanya nomboro u swika kha 10

Themo ya 3

Mvusuludzo:

Itani ndowendowe ya u riwala dzinambalo.

7

sumbe



Nwalani phindulo.

$3 + 3 = \square$



$0 + 5 = \square$

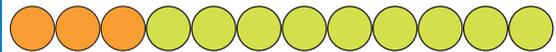


$3 + 2 + 1 = \square$



Khalarani ni tshi sumbedza zwi tevhelaho.

$3 + 9$



$4 + 8$



$5 + 7$



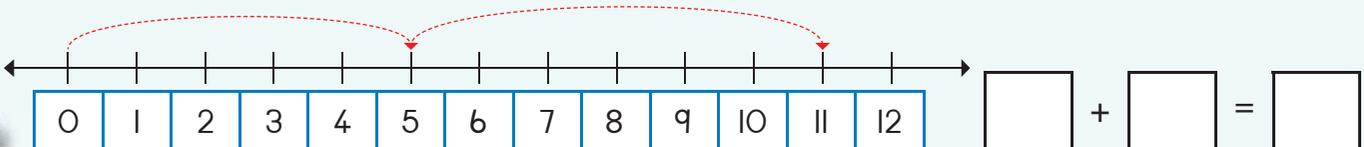
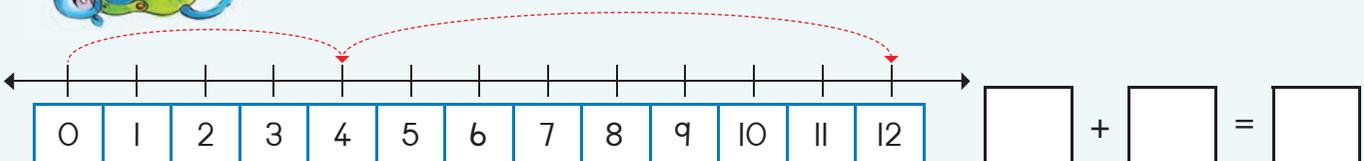
$6 + 6$

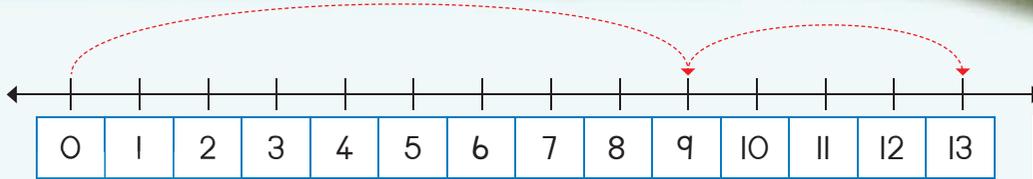


$7 + 5$



Nwalani mbalo ya:



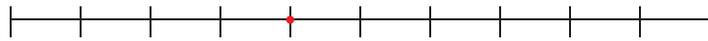


0 1 2 3 4 5 6 7 8 9 10 11 12 13

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

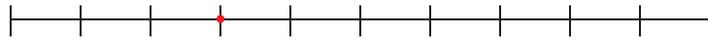


Fhedzisani mutalombalo ni n'wale phindulo.



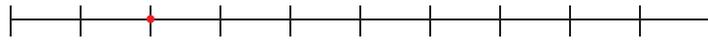
0 1 2 3 4 5 6 7 8 9 10

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



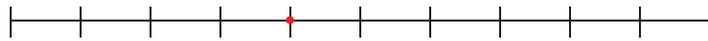
0 1 2 3 4 5 6 7 8 9 10

$$3 + 3 + 2 = \square$$



0 1 2 3 4 5 6 7 8 9 10

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



0 1 2 3 4 5 6 7 8 9 10

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



Tandululani zwi tevhelaho nga u ola zwifanyiso.

Ndi na mimavhulu ya 5 ngeno khonani yanga e na ya 8. Ri na mimavhulu mingana yo tangana yothe?

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

Ndo wana maluvha a 9 a u fha mudededzi washu. Khonani yanga a wana a 6. Ri na maluvha mangana o tangana othe?

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



Teacher:
Sign:
Date:



Muṭanganyo – u fhaṭa na u paḍukanya nomboro u swika kha 20

Mvusuludzo:

Itani ndowendowe ya u ṅwala dzinambalo.

8

malo

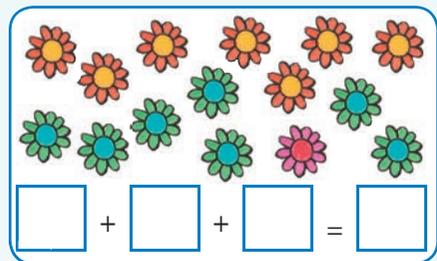
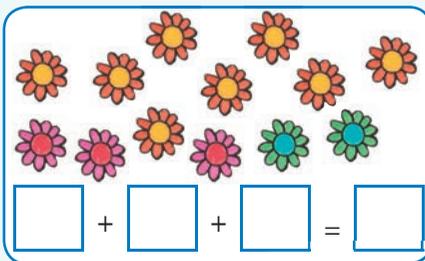
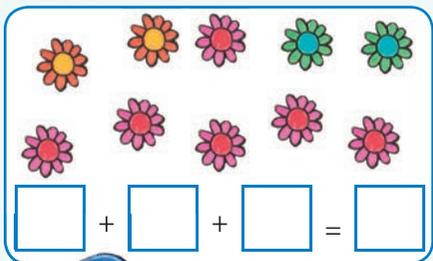


ṅwalani phindulo.

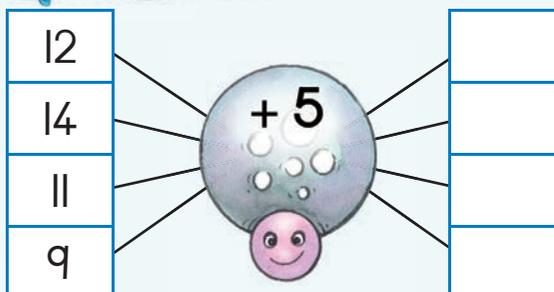
$0 + 2 =$	$2 + 2 =$	$4 + 2 =$	$6 + 2 =$	$8 + 2 =$
$10 + 2 =$	$12 + 2 =$	$14 + 2 =$	$16 + 2 =$	$18 + 2 =$



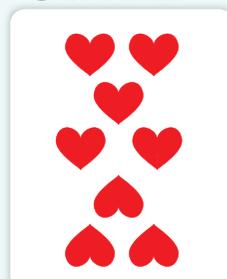
Shumisani maluvha a mivhala yo fhambananaho kha u ita mafhungombalo a inwi muṅe.



Thusani buvhi u fhedzisa mbalo.



Hu na mbilu nngana?



ṅwalani mbalo yaṅu.

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





Livhanyani phere dza nomboro ni tshi sika nomboro dzi tevhelaho.

13

7	5
8	4
9	6
10	2
11	3

11

6	7
7	4
3	8
4	5
5	6

12

8	6
10	1
4	8
11	4
6	2



Nwalani fhungombalo la:

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

+ =

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

+ =

Mvusuludzo:

Mvusuludzo: Khalarani phindulo yone.

mbonalo ya nga phanda

mbonalo ya nga murahu

mbonalo ya nga matungo

mbonalo ya nga phanda

mbonalo ya nga murahu

mbonalo ya nga matungo

mbonalo ya nga phanda

mbonalo ya nga murahu

mbonalo ya nga matungo

mbonalo ya nga phanda

mbonalo ya nga murahu

mbonalo ya nga matungo

Teacher:

Sign:

Date:



Mutanganyo na mutuso – u fhaṭa na u padukanya

Themo ya 3

Mvusuludzo:

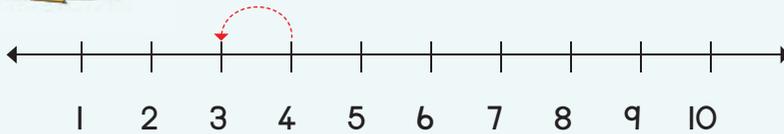
Itani ndowendowe ya u n̄wala dzinambalo.

9

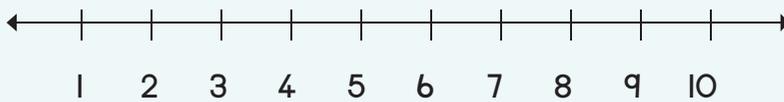
t̄ohe



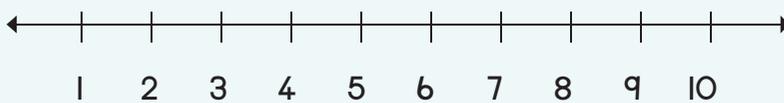
N̄walani phindulo.



$4 - 1 = \square$



$5 - 3 = \square$



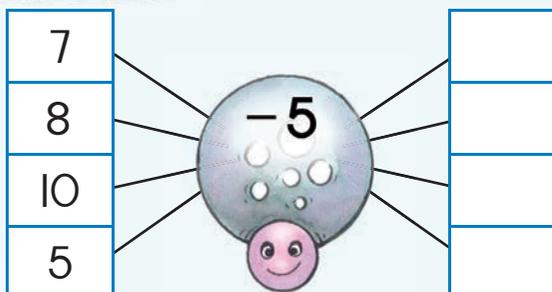
$4 - 2 = \square$



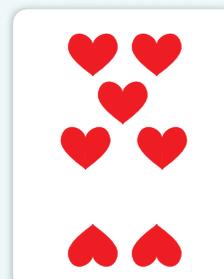
$5 - 2 = \square$



Thusani buvhi u fhedzisa mbalo.



Hu na mbilu nngana?



N̄walani mbalo yan̄u.

$\square + \square = \square$



0 1 2 3 4 5 6 7 8 9 10



Rekanyani zwi tevhelaho.

$$7 + 4 = \square$$

$$7 + 4 + 1 = \square$$

$$10 + 1 = \square$$

$$6 + 6 = \square$$

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

$$10 + \square = \square$$

$$13 - 6 = \square$$

$$13 - 3 + 3 = \square$$

$$10 - 3 = \square$$

$$12 - 8 = \square$$

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

$$10 - 3 = \square$$



Nwalani phindulo ni khalare na u ola.

$$8 + 6 = \square$$



Ri nga kha di i sumbedza sa:

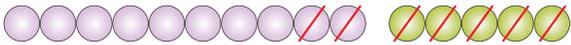


$$(8 + 2) + 4 = \square \rightarrow 10 + 4 = \square$$

$$15 - 7 = \square$$



Ri nga kha di i sumbedza sa:



$$(15 - 5) - 2 = \square \rightarrow 10 - 2 = \square$$

$$9 + 4 = \square$$



Ri nga kha di i sumbedza sa:



$$(9 + 1) + 3 = \square \rightarrow \square = \square$$

$$14 - 5 = \square$$



Ri nga kha di i sumbedza sa:

$$(\square - \square) - 1 = \square \rightarrow 10 - 1 = \square$$

Mvusuludzo:

Itani ndowendowe ya u nwala dzinambalo.

10

fumi

Teacher: _____
 Sign: _____
 Date: _____

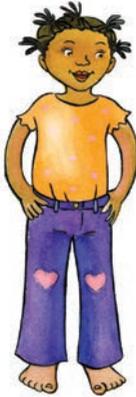


Vhulapfu (vhuntzha)

Themo ya 3



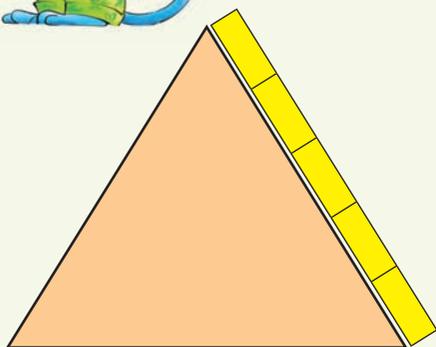
Lavhelesani tshifanyiso ni fhindule mbudziso.

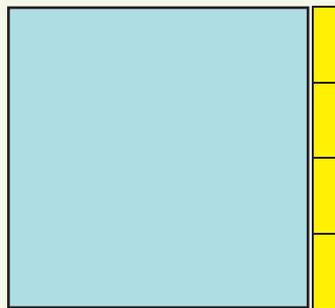
Jabu	Pam	Nomsa	Ken
			

Ndi nnyi mulapfusa?	Ndi nnyi a re mutukana mupfufhisa?
<input type="text"/>	<input type="text"/>
Ndi nnyi mupfufhisa?	Ndi nnyi a re musidzana mulapfusa?
<input type="text"/>	<input type="text"/>



Vhurumbu ha zwihumbeo izwi ndi vhulapfu ha zwibogisi zwingana.







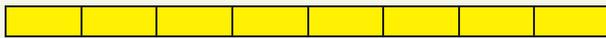




Vhulapfu na vhuphara ha ṭafula ndi vhugai nga muelo wa
vhulapfu ha zwibuḽoko na penisela?



Vhuphara ndi zwibuḽoko zwa ____.



Vhulapfu ndi zwibuḽoko zwa ____.



Vhuphara ndi zwibuḽoko zwa ____.

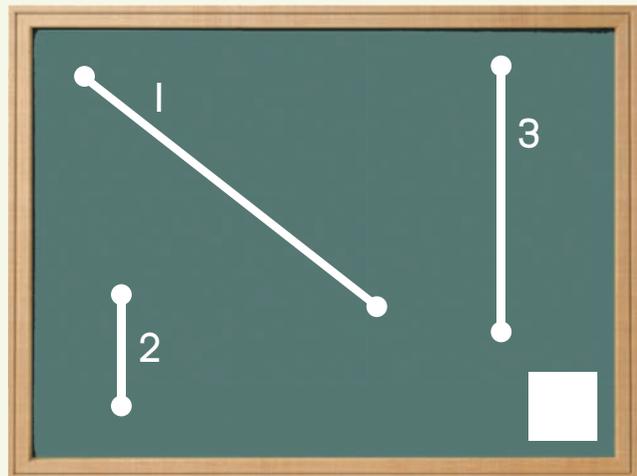
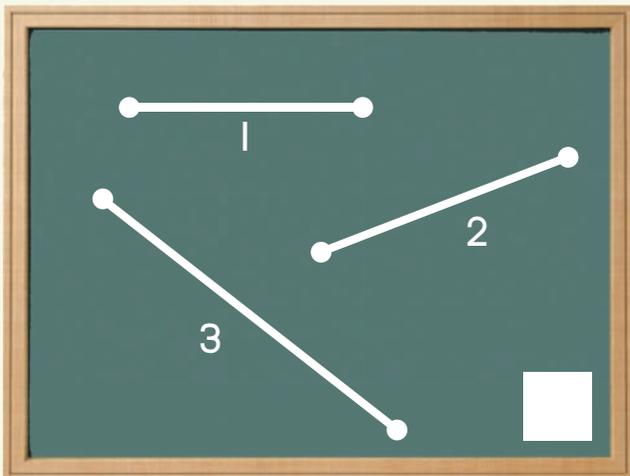


Vhulapfu ndi zwibuḽoko zwa ____.



Ndi mutaladzi ufhio u re
mupfufhisa?
Mutaladzi 1, 2 kana 3?

Ndi mutaladzi ufhio u re mulapfusa?
Mutaladzi 1, 2 kana 3?



Teacher: _____
Sign: _____
Date: _____



Tshelede na tshintshi



Itani thiki kha tshelede i re khulwanesa kha rou inwe na inwe.

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



Itani thiki kha khoini dzine dza ita R10.

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



Itani thiki kha khoini dzine dza ita R20.

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



Rekanyani zwi tevhelaho.

$R5 + R10 =$		$R5 + R2 + R8 =$		$R10 + R10 =$	
$R3 + R10 + R2 + R2 =$		$R5 + R7 + R1 + R5 =$		$R10 + R1 + R5 + R2 =$	



Tandululani zwi tevhelaho:

Ndi na khoini ya R2 na khoini ya R5.
Khonani yanga u na khoini tharu dza R2.
Ndi nnyi ane a vha na tshelede nnzhi?

Ndi na khoini ya R5 na khoini ya R1.
Khonani yanga u na khoini tharu dza R5.
Ndi nnyi ane a vha na tshelede nnzhi?



Ndi na R15:

Ndi badela nga Tshintshi

$R4 + R7 = R11$	R4
$R6 + R9 =$	
$R8 + R3 =$	
$R2 + R11 =$	
$R3 + R8 =$	
$R6 + R8 =$	
$R0 + R2 =$	
$R2 + R2 =$	
$R4 + R2 =$	
$R6 + R2 =$	



Rekanyani zwi tevhelaho.

Ndi na R15. Ndi renga phakhethe ya matshipisi nga R6. Ndo salelwa nga vhugai?



Fhungudzani nga R2.

R11		R4	
R12		R6	
R10		R8	



Teacher:
Sign:
Date:

Tshelede na tshintshi



Olani dzikhoini ni ite:

R11	
R12	
R13	
R14	



Itani thiki kha phindulo yone.

$R18 - R8 =$ R10

$R12 - R2 =$

$R15 - R4 =$

$R14 - R7 =$



Rekanyani zwi tevhelaho.

$R15 - R10 =$	<input type="text"/>
$R10 - R1 - R1 - R2 =$	<input type="text"/>

$R20 - R2 - R8 =$	<input type="text"/>
$R5 - R4 =$	<input type="text"/>

$R20 - R5 =$	<input type="text"/>
$R10 - R1 - R5 - R2 =$	<input type="text"/>



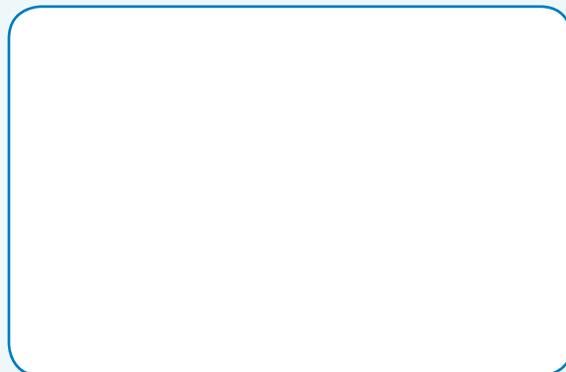


Rekanyani zwi tevhelaho.

Ndi na R15 Nda renga nga:	Ndo salelwa nga vhugai?
R2 na R4 =	R9
R8 na R4 =	
R12 na R2 =	
R5 na R5 =	
R8 na R7 =	
R10 na R2 =	
R8 na R2 =	
R6 na R2 =	
R4 na R2 =	
R2 na R2 =	
R9 na R6 =	
R10 na R2 =	



Ndi na R15. Ndi renga phakhethe ya malegere nga R11.
Ndo salelwa nga vhugai?



Teacher: _____
Sign: _____
Date: _____

Tshelede: Mutanganyo na mutuso



Rekanyani zwi tevhelaho.

$R10 + R2 =$	
$R10 + R4 =$	
$R9 + R5 =$	
$R12 + R5 =$	

$R10 + R5 =$	
$R10 + R7 =$	
$R8 + R4 =$	
$R14 + R2 =$	

$R10 + R1 =$	
$R10 + R6 =$	
$R7 + R6 =$	
$R11 + R6 =$	



Rekanyani zwi tevhelaho.

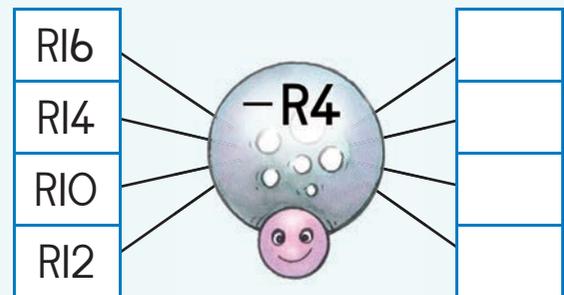
$R10 - R7 =$	
$R15 - R1 =$	
$R12 - R2 =$	
$R15 - R6 =$	

$R10 - R2 =$	
$R15 - R15 =$	
$R14 - R7 =$	
$R12 - R9 =$	

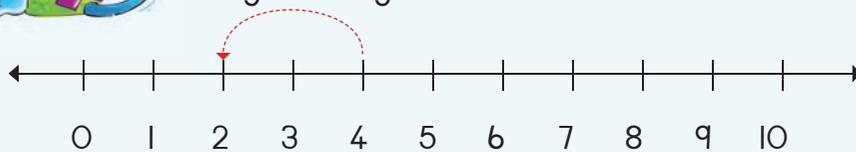
$R10 - R5 =$	
$R15 - R2 =$	
$R16 - R6 =$	
$R14 - R4 =$	



Thusani buvhi u fhedzisa mbalo dzothe.



Fhungudzani nga R2.



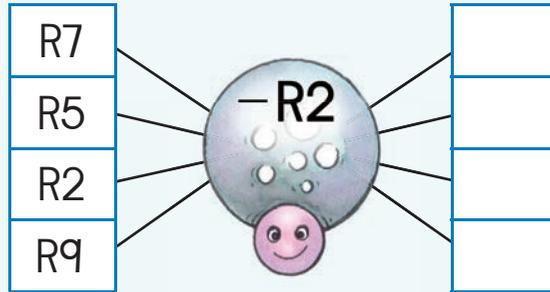
$R4 - R2 =$	
-------------	--



$R7 - R2 =$	
-------------	--



Thusani buvhi u shuma mbalo dzothe dza mutuso.



Tandululani zwi tevhelaho.

No vha ni na R12. Mme anu vha ni fha R5.
Ni na vhugai zwino?

Ni na R19. Na renga legere la R8.
No salelwa nga vhugai?

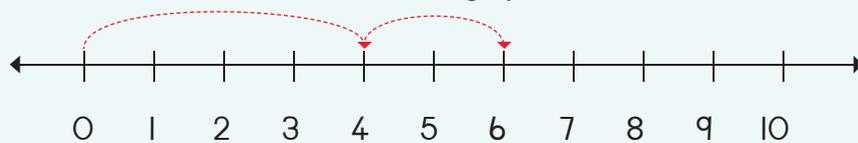


Ndo vhulunga vhugai?



Sumbdzani mbalo kha mutalombalo ni rekanye phindulo.

$R4 + R2 =$



$R8 + R2 =$



Teacher: _____
Sign: _____
Date: _____

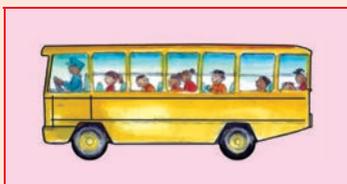
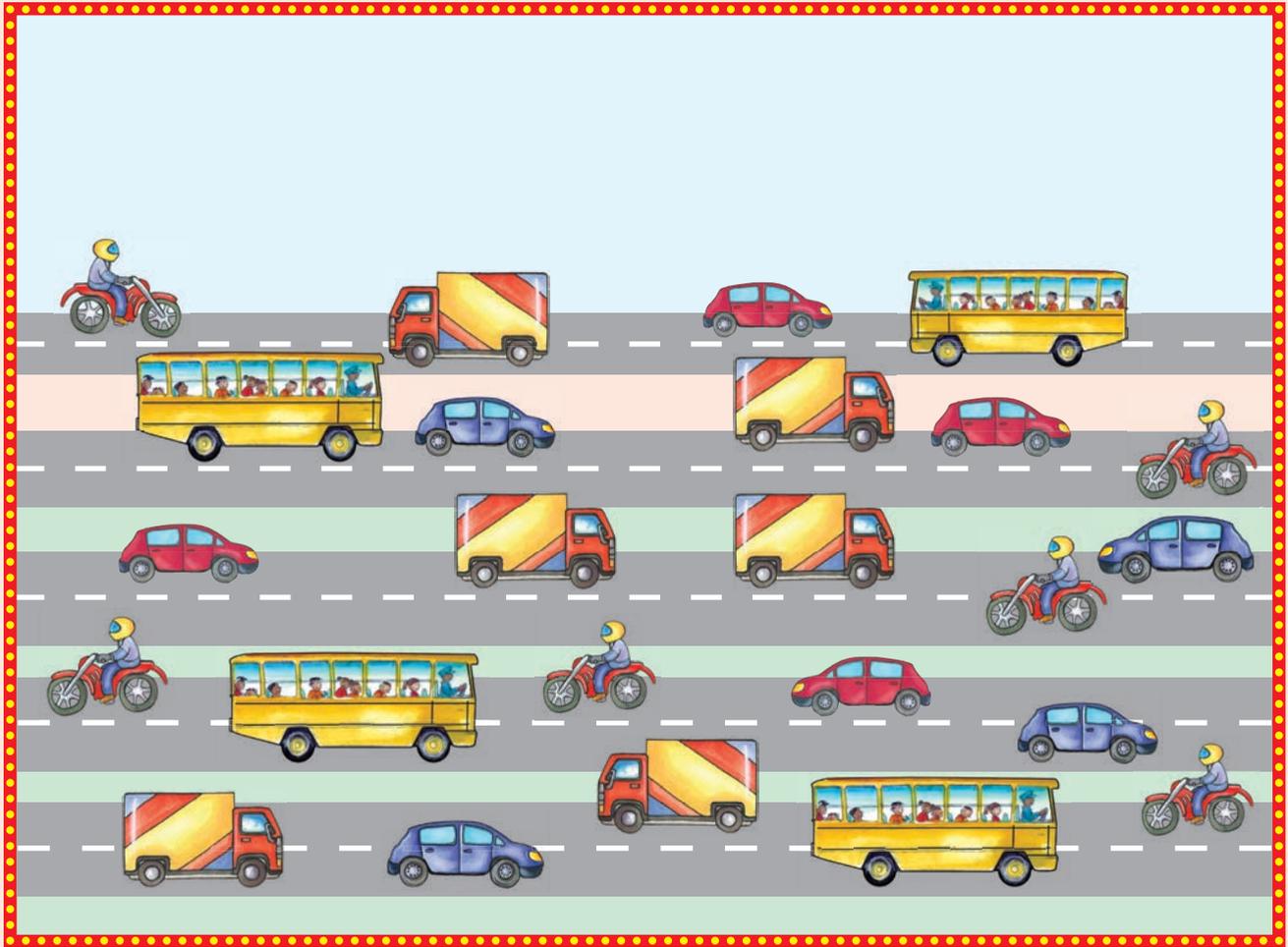


Data



Vhalani uri ni kona u vhona zwiendedzi zwingana zwa lushaka luthihi.

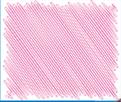
Themo ya 3





Vhalani zwiwumbeo ni khalare tshati i re afho fhasi ni tshi sumbedza uri hu na zwingana zwa tshiwumbeo tshinwe na tshinwe. Ni kone u fhindula mbudziso.



5						
4						
3						
2						
1						
						

Zwiwumbeo zwa _____ ndi zwone zwinzhi.

Zwiwumbeo zwa _____ ndi zwone zwiṭuku.



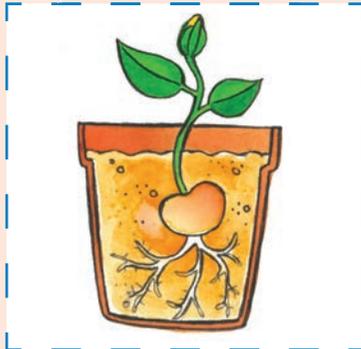
Teacher:
Sign:
Date:

Data na tshifhinga

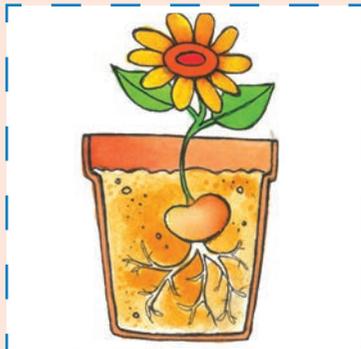
Themo ya 3



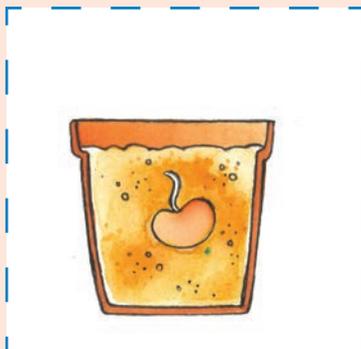
Ambani nga zwifanyiso izwi ni kone u zwi vhekanya nga thevhekano yone.



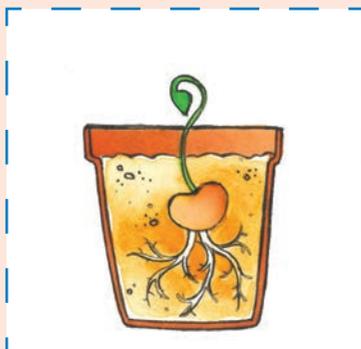
1



2



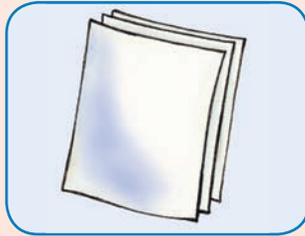
3



4



Fhedzisani phikhithogireme (nyolo ya zwifanyiso) ni tshi shumisa magaraṭa a u vhekanya a no bva kha Tshigeriwa I.



--	--	--	--



Teacher: _____
 Sign: _____
 Date: _____



Zwigwada zwa zwiṭanuzwiṭanu u swika kha 15

Mvusuludzo:

Itani ndowendowe ya u ṅwala dzinambalo.

5

ṭhanu



Lavhelesani tshifanyiso ni kone u fhindula mbudziso.



Ni nga ita zwigwada zwingana zwa zwa 5 (zwiṭanu).



Lavhelesani tshifanyiso. Ri nga i ṅwala nga hei ṅdila.

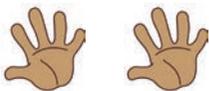
Olani zwanu hafha.



Tshigwada tshithihi tsha dza 5 ndi 5



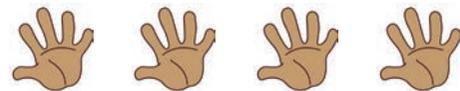
Vhalani minwe yanu ni ṅwale phindulo.



$$5 + 5 =$$



$$5 + 5 + 5 =$$



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

zwigwada zwa 2 zwa ṭhanu ndi 10

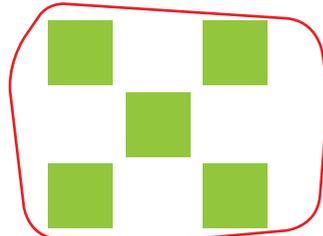
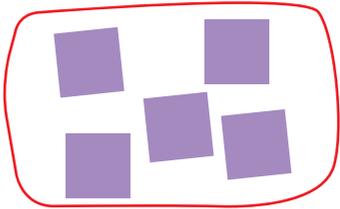


Olani zwitendeledzi u mona na zwi tevhelaho ni vhumbe:

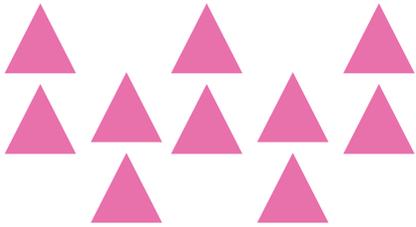


Ñwalani mafhungombalo a zwi tevhelaho:

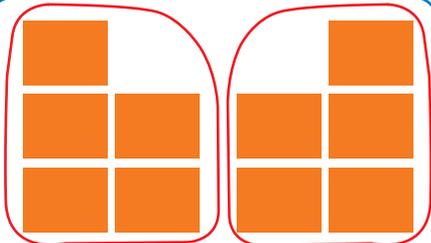
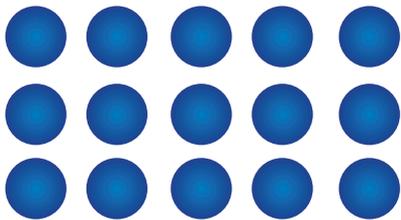
tshigwada tsha | tsha zwa 5



zwigwada zwa 2 zwa dza 5



zwigwada zwa 3 zwa zwa 5



Ni nga ita zwigwada zwingana zwa zwiñanuzwiñanu nga?

10	na	0	zwigwada zwa	
8	na	2	zwigwada zwa	
6	na	4	zwigwada zwa	
4	na	1	zwigwada zwa	
2	na	3	zwigwada zwa	



Teacher:
Sign:
Date:





Thano: ndovhololo ya mutanganyo u swika kha 15

Mvusuludzo:

Mvusuludzo: Nwalani nomboro dzi no khou tshela.



Hu na zwikunwe kana minwe mingana? Nwalani fhungombalo la hone.



Tshigwada tsha miomva mitanu

Olani:

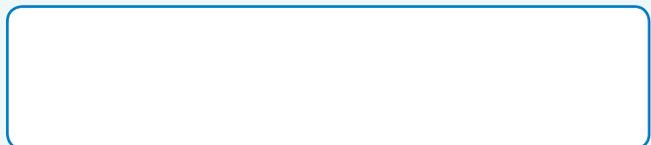
Zwigwada zwivhili zwa maluvha
matanu kha tshithihi



Olani zwivhumbeo zwa zwi tevhelaho.

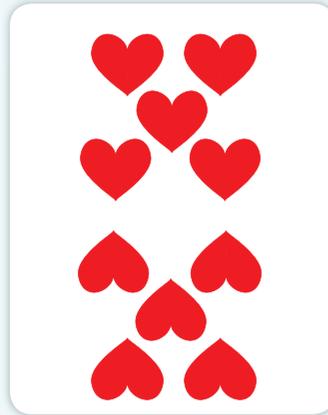
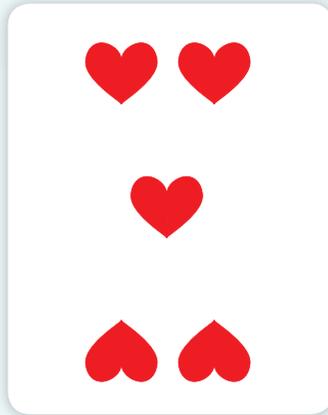
$$5 + 5 = 10$$

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





Tangedzelani ni vhale uri hu na zwigwada zwingana zwa mbilu t̄hanu zwine na nga ita kha garaṭa liṅwe na liṅwe.



Nwalani fhungo mbalo la:

○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



Shumisani mivhala yo fhambananaho kha u sumbedza nomboro dzine na do dzi shumisa kha u vhumba zwigwada zwa zwiṭanuzwiṭanu.

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



Ni nga kona u ita zwigwada zwingana zwa zwiṭanuzwiṭanu?

1	na	14	dzi do ita	zwigwada zwa	
13	na	2	dzi do ita	zwigwada zwa	
8	na	2	dzi do ita	zwigwada zwa	
7	na	8	dzi do ita	zwigwada zwa	
9	na	2	dzi do ita	zwigwada zwa	



Teacher: _____

Sign: _____

Date: _____



Zwiṭanuzwiṭanu u swika kha 15



Ñwalani nomboro dzi no khou ṭahela.

I		3		5		7	8	9	
II	12								



Itani zwigwada zwa zwiṭanuzwiṭanu.

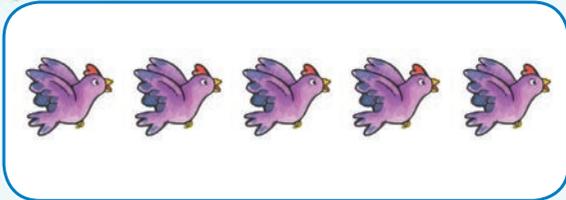
Kugoṅoṅozwithoma ku tea u vha na tshigwada tsha zwithoma zwiṭanu.

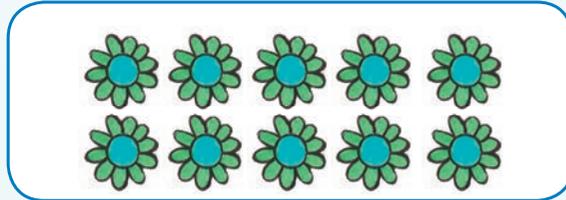
Olani zwithoma zwi no khou ṭahela.

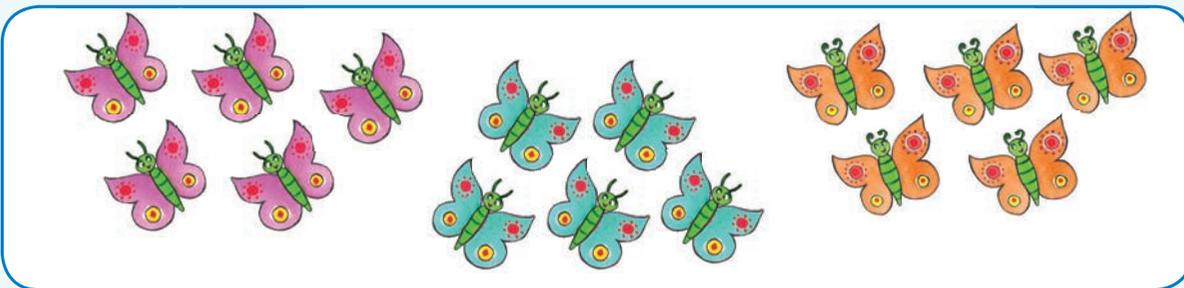




 Nwalani mafhungombalo a izwi.







 Rekanyani zwi tevhelaho.

$$0 + 5 = \square$$

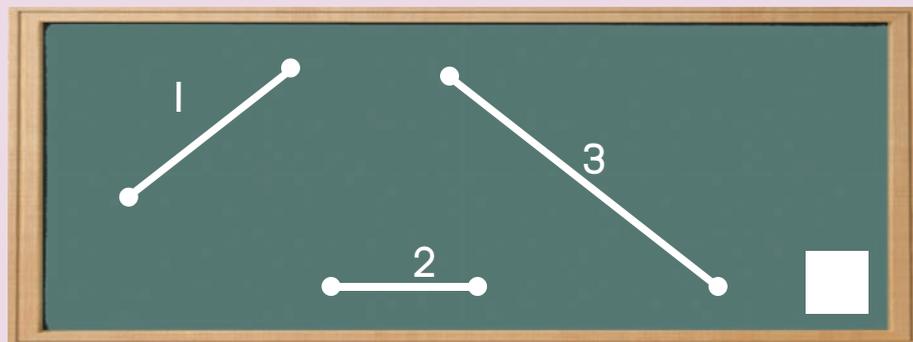
$$5 + 5 + 5 = \square$$

$$5 + 5 = \square$$

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

Mvusuludzo:

Mvusuludzo: Ndi mutaladzi ufhio u re mulapfusa?



Teacher: _____
Sign: _____
Date: _____



Phetheni dza nomboro t̄hanu t̄hanu u swika kha 50

Themo ya 3

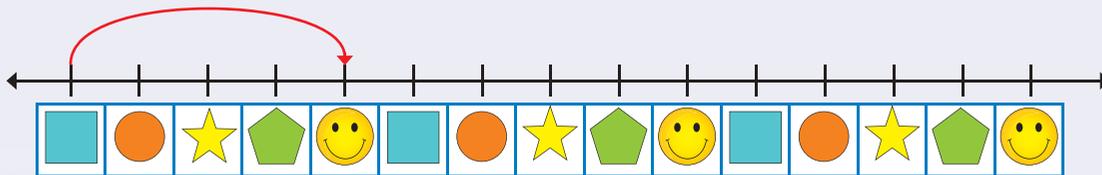


Fhedzisani phetheni ya t̄hanu nga u khalara nomboro.

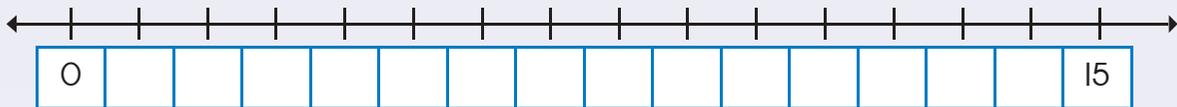
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50



Olani dzihupu ni tshi sumbedza zwigwada zwa zwi t̄hanu.

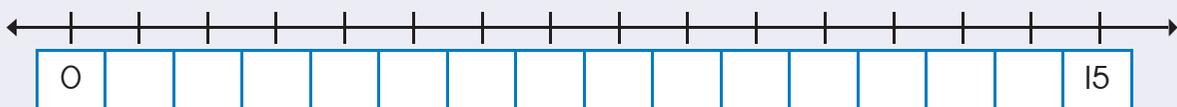


Dzhenisani nomboro dzi no khou t̄ahela ni ole dzihupu ni tshi sumbedza zwigwada zwa t̄hanu.



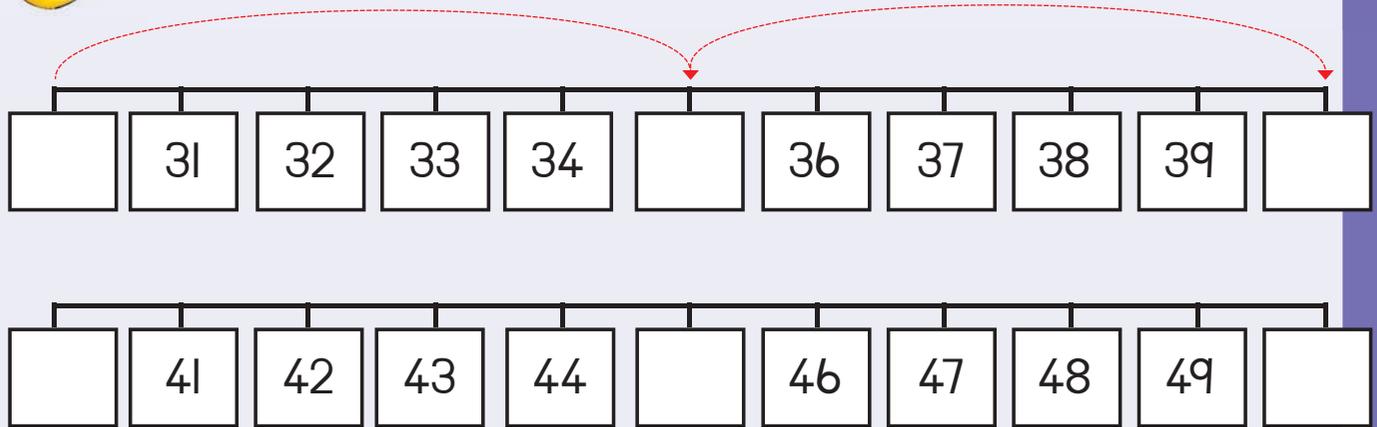
Fhedzisani mutalombalo.
Olani dzihupu ni tshi sumbedza zwigwada zwa t̄hanu.

Hu na zwigwada zwa zwa t̄hanu.



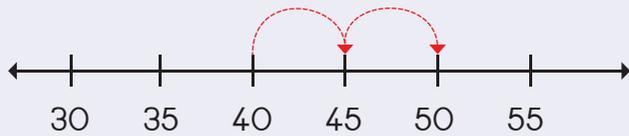


Gerani nomboro dzi no khou t̄ahela kha Tshigeriwa 2 ni dzi vhee kha mitalombalo.

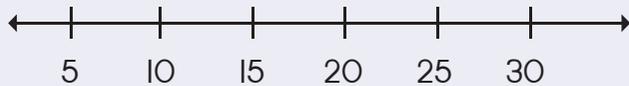


Olani dzihupu ni tshi sumbedza zwi tevhelaho:

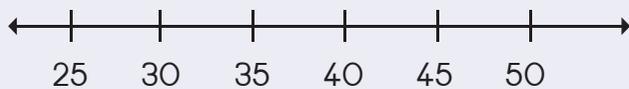
40, 45, 50



10, 15, 20



25, 30, 35



Teacher: _____
 Sign: _____
 Date: _____





Phetheni dza nomboro dza t_hanu u swika kha 80

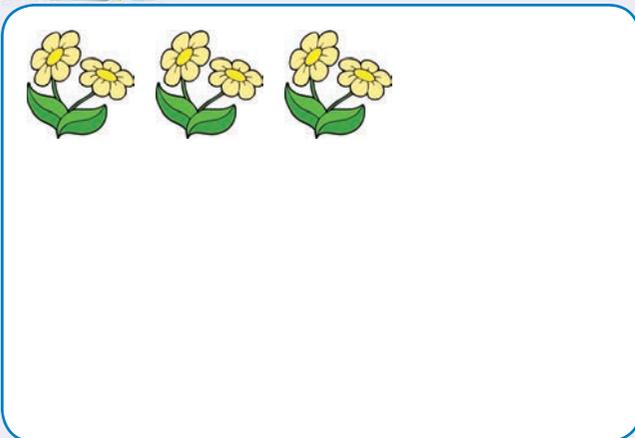
Themo ya 3



Ndi zwigwada zwingana zwa zwi_tanuzwi_tanu zwine na kona u zwi vhona tshifanyisoni itshi?

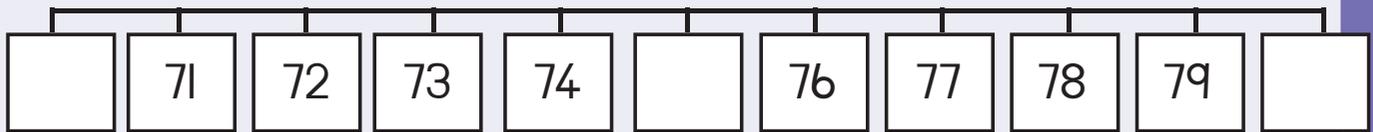
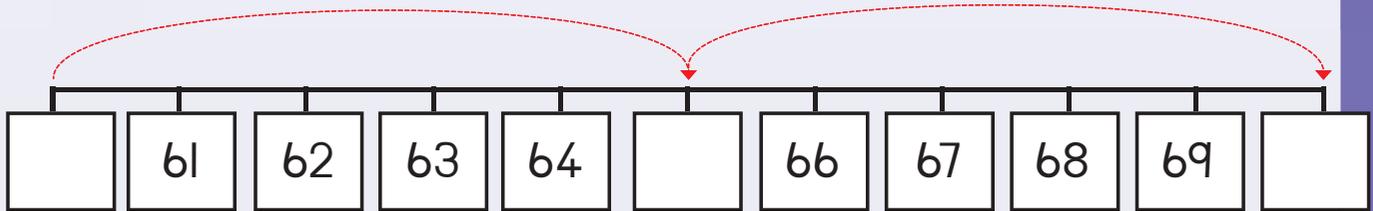


Fhedzisani zwifanyiso izwi ni tshi sumbedza zwigwada zwivhili zwa zwi_tanu tshibu_lokoni tshinwe na tshinwe.



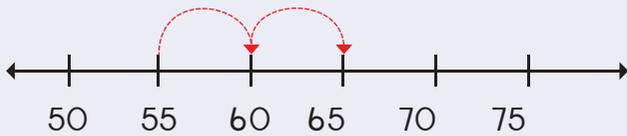


Gerani nomboro dzi no khou t̄ahela kha Tshigeriwa 2 ni dzi vhee kha mitalombalo.

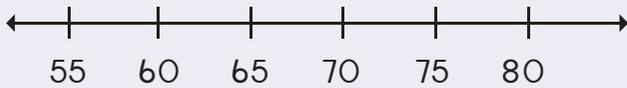


Olani dzihupu ni tshi sumbedza zwi tevhelaho:

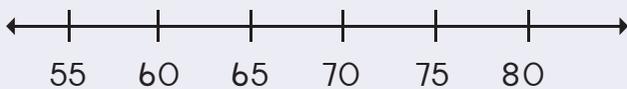
55, 60, 65



65, 70, 75



70, 75, 80



Teacher:
Sign:
Date:





Nyingakavhili

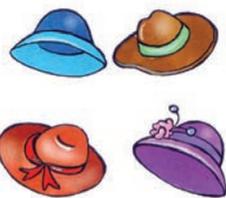
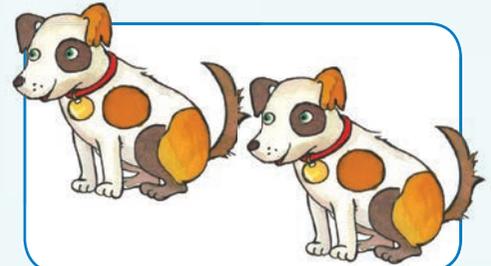
Themo ya 3



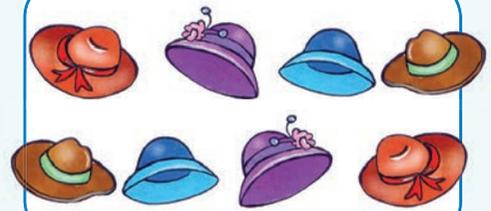
Ingani kavhili zwithu ni n'wale phindulo.



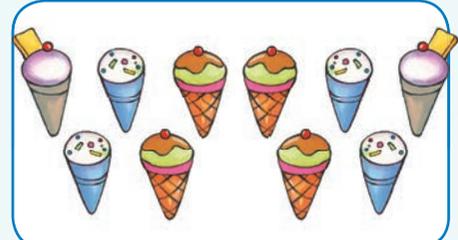
1 yo ingwa kavhili ndi



4 yo ingwa kavhili ndi



5 yo ingwa kavhili ndi



Vhalani zwiwhumbeo zwi re kha besu linwe na linwe la tshisusu.

Fhedzisani mafhungombalo a nyingakavhili.



$$7 + 7 =$$

kana

7 yo ingwa kavhili =



$$5 + 5 =$$

kana

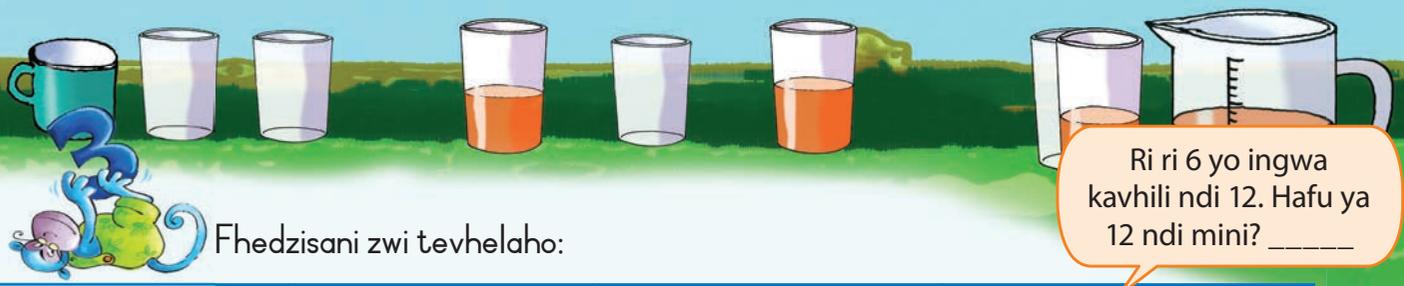
5 yo ingwa kavhili =

$$2 + 2 =$$

kana

2 yo ingwa kavhili =





Ri ri 6 yo ingwa kavhili ndi 12. Hafu ya 12 ndi mini? _____

Fhedzisani zwi tevhelaho:

<p>Ni kona u vhona malinga mangana?</p> <input type="text"/>	<p>Ni kona u vhona malinga mangana zwino?</p> <input type="text"/>	<p>Hu na makumba mangana kha khathuni?</p> <input type="text"/>	<p>Hu na makumba mangana zwino?</p> <input type="text"/>
--	--	---	--



Vhalani zwithoma ni zwi inge kavhili.

	1	yo ingwa kavhili →		2
	2	yo ingwa kavhili →		
	3	yo ingwa kavhili →		
	4	yo ingwa kavhili →		
	5	yo ingwa kavhili →		



Ingani kavhili nomboro.

4	yo ingwa kavhili →	8
5	yo ingwa kavhili →	
6	yo ingwa kavhili →	
3	yo ingwa kavhili →	
2	yo ingwa kavhili →	
10	yo ingwa kavhili →	



Fhedzisani zwi tevhelaho:

<p>Hu na maḁuvha mangana kha vhege?</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> <input type="text"/>	S	M	T	W	T	F	S								<p>Hu na maḁuvha mangana kha vhege mbili?</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> <input type="text"/>	S	M	T	W	T	F	S							
S	M	T	W	T	F	S																							
S	M	T	W	T	F	S																							
<p>Ni kona u vhona milenzhe mingana?</p> <input type="text"/>	<p>Ni kona u vhona milenzhe mingana zwino?</p> <input type="text"/>																												



Fhedzisani zwi tevhelaho:

$2 + 2 + 1 =$	5	kana	Ho ingwa kavhili $2 + 1 = 5$
$4 + 4 + 1 =$		kana	
$7 + 7 + 1 =$		kana	

Teacher: _____
Sign: _____
Date: _____





Hafu



Hwayani hafu ya vhana ni ñwale phindulo.

Themo ya 3

Hafu ya 4 ndi _____

Hafu ya 6 ndi _____

Hafu ya 2 ndi _____

Hafu ya 8 ndi _____



Hwayani hafu ni ñwale phindulo.

	Hafu ya 2 ndi = <input type="text"/>		Hafu ya 2 ndi = <input type="text"/>
	Hafu ya 4 ndi = <input type="text"/>		Hafu ya 10 ndi = <input type="text"/>
	Hafu ya 6 ndi = <input type="text"/>		

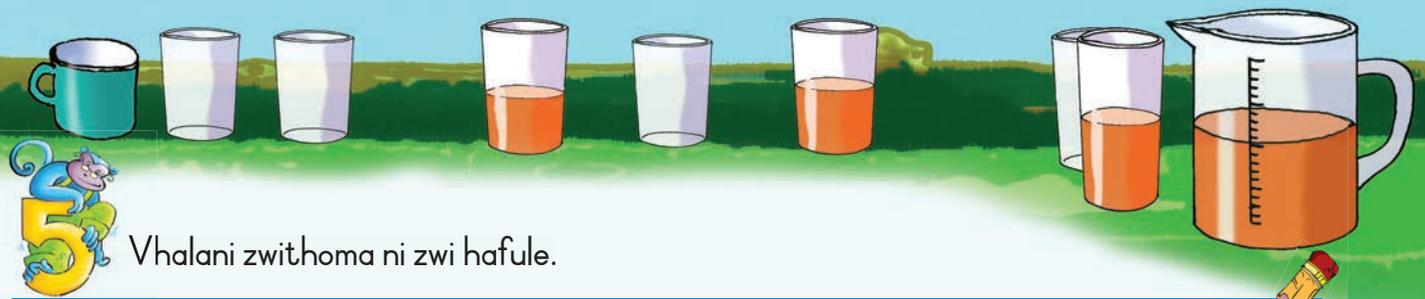


Hu na khovhe nngana?



Hafu ya khovhe dzothe ndi?





Vhalani zwithoma ni zwi hafule.

	2	yo hafulwa →		<input type="text" value="1"/>
	4	yo hafulwa →		<input type="text"/>
	6	yo hafulwa →		<input type="text"/>
	8	yo hafulwa →		<input type="text"/>
	10	yo hafulwa →		<input type="text"/>

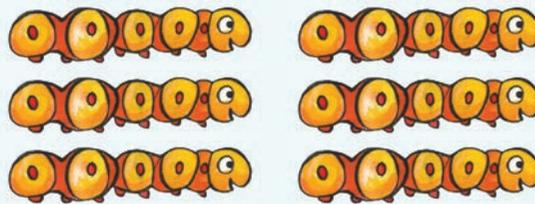


Hafulani nomboro.

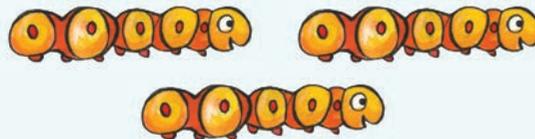
4	yo hafulwa →	<input type="text" value="2"/>
8	yo hafulwa →	<input type="text"/>
6	yo hafulwa →	<input type="text"/>
10	yo hafulwa →	<input type="text"/>
12	yo hafulwa →	<input type="text"/>
14	yo hafulwa →	<input type="text"/>



Hu na mashonzha mangana?



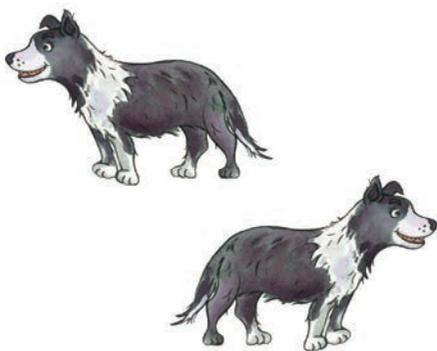
Hafu ya mashonzha ndi:





Fhindulani zwi tevhelaho:

Hu na milenzhe mingana?



Hu na milenzhe mingana zwino?



Ri ri hafu ya 8 ndi



Teacher: _____
Sign: _____
Date: _____

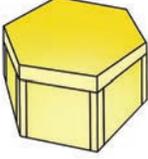
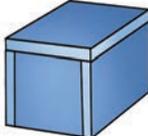
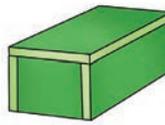
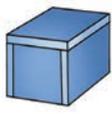


Zwithu zwa 3-D

Themo ya 3

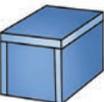


Itani thiki kha tshithu tshitukusa.

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



Olani tshithu tshihulwane kha tshanda tsha u la tsha tshifanyiso tshiwe na tshiwe.

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



Olani bola i re khulwane kha bola ya lutombo.

Olani bola i re tshukhu kha bola ya gireyi.

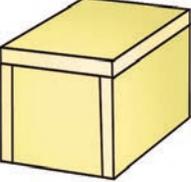
	
---	--

	
--	--



Olani bogisi li re lihulwane kha bogisi la tšada.

Olani bogisi li re lihulwane kha bogisi lidala.

	
---	--

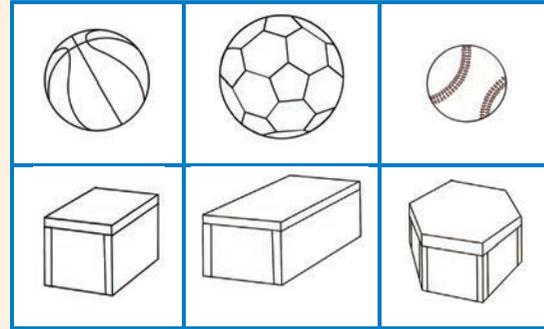
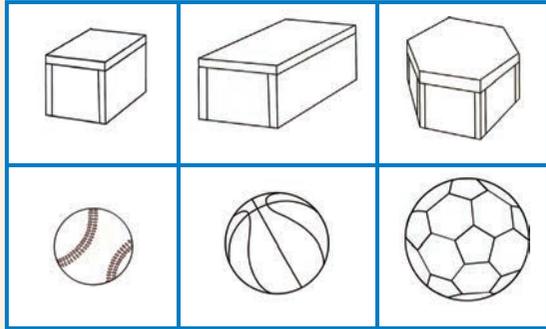
	
---	--





5 Khaḷarani bogisi liṭukusa nga muvhala wa lutombo na bola ṭhukhusa nga muvhala wa ṭada.

Khaḷarani bogisi lihulwanesa nga muvhala wa pinki na bola khulwanesa nga muvhala mutswuku.



Ni nga kona u fhaṭa thawara nga zwithu zwi tevhelaho?



Khaḷarani ee kana hai.

ee	hai
----	-----

ee	hai
----	-----

ee	hai
----	-----



7 Gerani ni nambatedze zwifanyiso zwi no bva kha magazini kana gurandḡa ni tshi ita thawara mbili dza inwi muṅe.

Ni elelwe uri thawara idzi dzi tea u ima nga dzotḡhe (u baḷantsa).

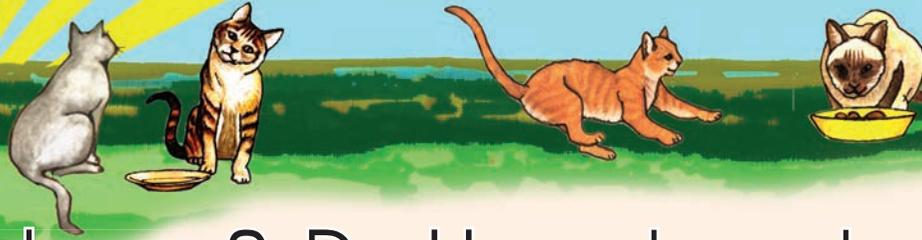


Teacher: _____

Sign: _____

Date: _____





Zwithu zwa 3-D – U swenda na u kunguluwa

Themo ya 3



Izwi zwithu zwi do kunguluwa kana zwi do swenda?
Khaḷarani phindulo i re yone.



u kunguluwa u swenda



u kunguluwa u swenda



u kunguluwa u swenda

u kunguluwa u swenda

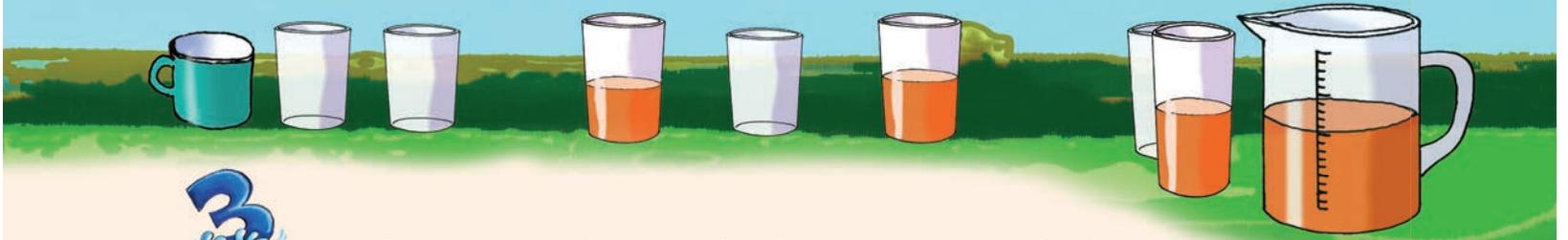


Zwi tevhelaho zwi a konadzea?
Khaḷarani phindulo i re yone.

ee hai

ee hai

ee hai



Vhekanyani zwithu zwi tevhelaho nga u zwi ola tshibuḽokoni tshone.

	<p>Bola</p>	<p>Mabogisi</p>
--	-------------	-----------------



Vhekanyani zwithu nga saizi yazwo ni tshi tou zwi ola.

	<p>Bola tḽhukhu</p>	<p>Mabogisi maḽuku</p>
	<p>Bola khulwane</p>	<p>Mabogisi mahulwane</p>



Teacher:
Sign:
Date:





Phetheni dza dzhometiri

Mvusuludzo:

Olani zwi tevhelaho:

tshitendeledzi

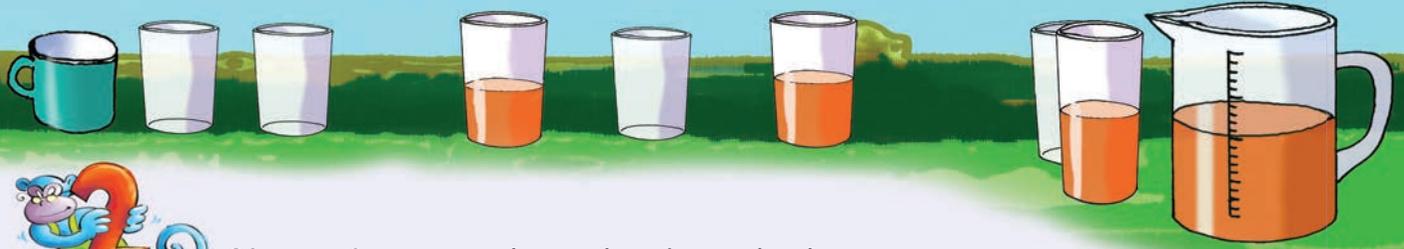
tshikwea

rekithiengele



Fhedzisani phetheni.





Olani zwifanyiso ni tshi isa phanda na phetheni.



Olani phetheni yaṅu inwi muṅe.



Nambatedzani zwifanyiso ni tshi ita phetheni yaṅu inwi muṅe.



Fhedzisani phetheni iyi.

A	B	C	A	B	C				A	B	C
---	---	---	---	---	---	--	--	--	---	---	---



90



Zwigwada zwa mbili u swika kha 15

Themo ya 3



Ñwalani dzinambalo la tshiga itshi.

2

mbili



Fhindulani mbudziso.

Ni kona u vhona phingwini nngana?

Ni kona u vhona phere nngana dza milenzhe?

I ñwaleni sa fhungombalo:



Fhindulani mbudziso.

Hu na bugu nngana?

Ndi nga kona u ita zwigwada zwingana zwa mbili?

I ñwaleni sa fhungombalo.



Ñwalani dzinambalo la tshiga itshi.

4



Vhalani mabesu, ni ñwale phindulo yañu.



$2 + 2 =$



$2 + 2 + 2 =$



$2 + 2 + 2 + 2 =$





Itani zwitendeledzi u mona na zwi tevhelaho uri ni ite:

zwigwada zwa 4 zwa dza 2

zwigwada zwa 5 zwa zwa 2

zwigwada zwa 6 zwa dza 2

zwigwada zwa 7 zwa dza 2



Nwalani fhungombalo la zwi tevhelaho.



Ni nga ita zwigwada zwingana zwa zwi vhili?

13 na 1 dzi ita	zwigwada zwa
11 na 1 dzi ita	zwigwada zwa
9 na 1 dzi ita	zwigwada zwa
7 na 1 dzi ita	zwigwada zwa

12 na 1 dzi ita	zwigwada zwa
5 na 1 dzi ita	zwigwada zwa
1 na 1 dzi ita	zwigwada zwa
10 na 0 dzi ita	zwigwada zwa

Teacher: _____
Sign: _____
Date: _____

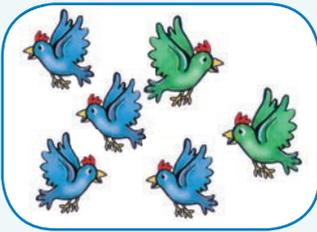
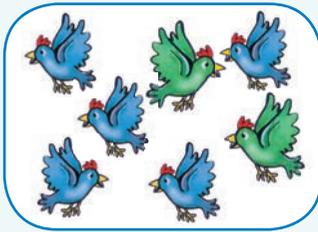
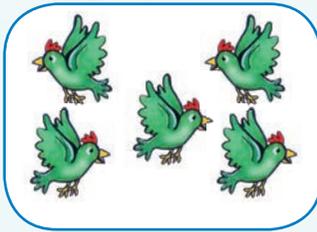




Ndovhololo ya mutanganyo wa mbili u swika kha 15



Hu na milenzhe mingana?



No i vhalisa hani?



Olani zwivhumbeo ni tshi sumbedza zwi tevhelaho:

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



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

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

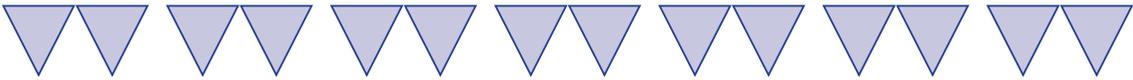
$$\boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{}$$

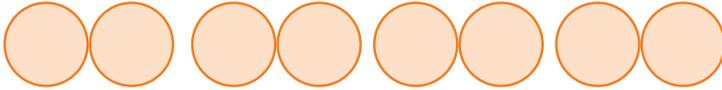


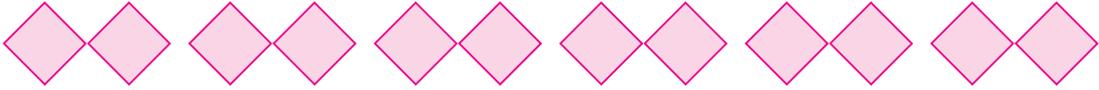
Nwalani mafhungombalo a zwi tevhelaho:



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

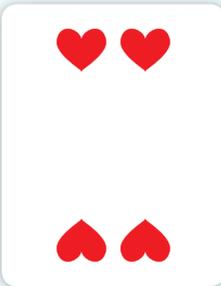


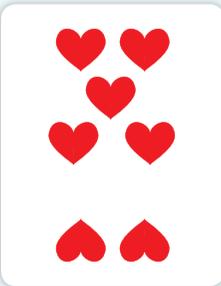


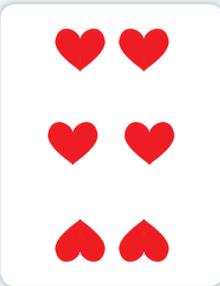




Tangedzelani ni vhale uri hu na zwigwada zwingana zwa mbilu mbili zwine na nga ita kha garaṭa liṅwe na liṅwe.









Fhedzisani phetheni iyi ya nomboro dzine na ḑo dzi shumisa kha u vhumba zwigwada zwa zwi vhezwi vhezwi.

I	2	3	4	5	6	7	8	9	10
II	12	13	14	15					



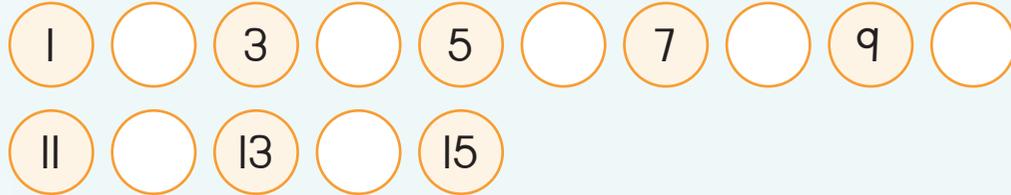
Teacher: _____
Sign: _____
Date: _____



Zwivhilizwivhili u swika kha 15

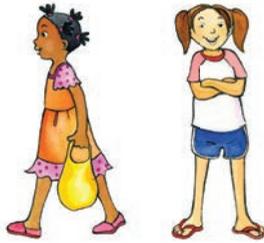
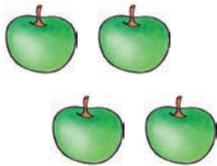


Ñwalani nomboro dzi no khou t̄ahela.



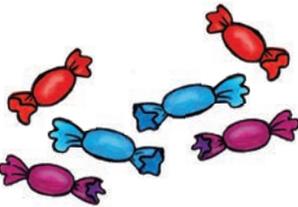
Itani zwigwada zwa mbili.

Itani tshitendeledi u mona na tshigwada tshiñwe na tshiñwe tsha mbili.



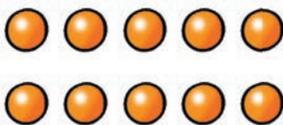
Hu na zwigwada zwingana zwa maapula?

Ñwana muñwe na muñwe u ɗo wana maapula mangana?



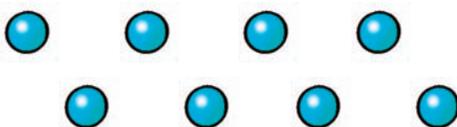
Hu na zwigwada zwingana zwa maɓegere?

Ñwana muñwe na muñwe u ɗo wana maɓegere mangana?



Hu na zwigwada zwingana zwa mimavhuɓu?

Ñwana muñwe na muñwe u ɗo wana mimavhuɓu mingana?



Hu na zwigwada zwingana zwa mimavhuɓu?

Ñwana muñwe na muñwe u ɗo wana mimavhuɓu mingana?



Ñwalani nomboro dzi no khou țahela.

1	2	3	4		6	7	
2	4		8	10		14	16
0	3	6		12		18	21



Ñwalani fhungombalo ni tshi shumisa mbili.

$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$



Rekanyani zwi tevhelaho.

$2 + 2 + 2 =$	<input type="text"/>
$2 + 2 + 2 + 2 =$	<input type="text"/>
$2 + 2 + 2 + 2 + 2 =$	<input type="text"/>
$2 + 2 + 2 + 2 + 2 + 2 =$	<input type="text"/>
$2 + 2 + 2 + 2 + 2 + 2 + 2 =$	<input type="text"/>



Tangedzelani zwigwada zwa zwivhilizwihili kha mutaladzi muñwe na muñwe.



Teacher: _____
Sign: _____
Date: _____



Phetheni dza nomboro 2 u swika kha 50

Themo ya 3



Gerani nomboro dzi no khou t̄ahela kha Tshigeriwa 2 ni dzi vhee kha mutalombalo. Ni ite na u fhedzisa dzihupu.



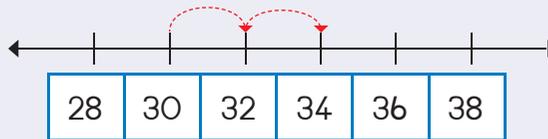
Fhedzisani phetheni nga u khal̄ara nomboro dzone.

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

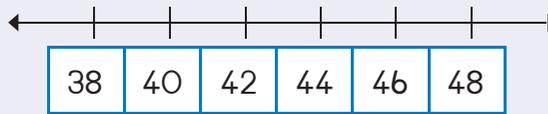


Olani dzihupu ni tshi sumbedza zwi tevhelaho:

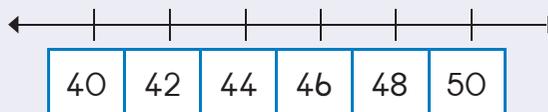
30, 32, 34



40, 42, 44



46, 48, 50



39

37

35

33

31

30

49

47

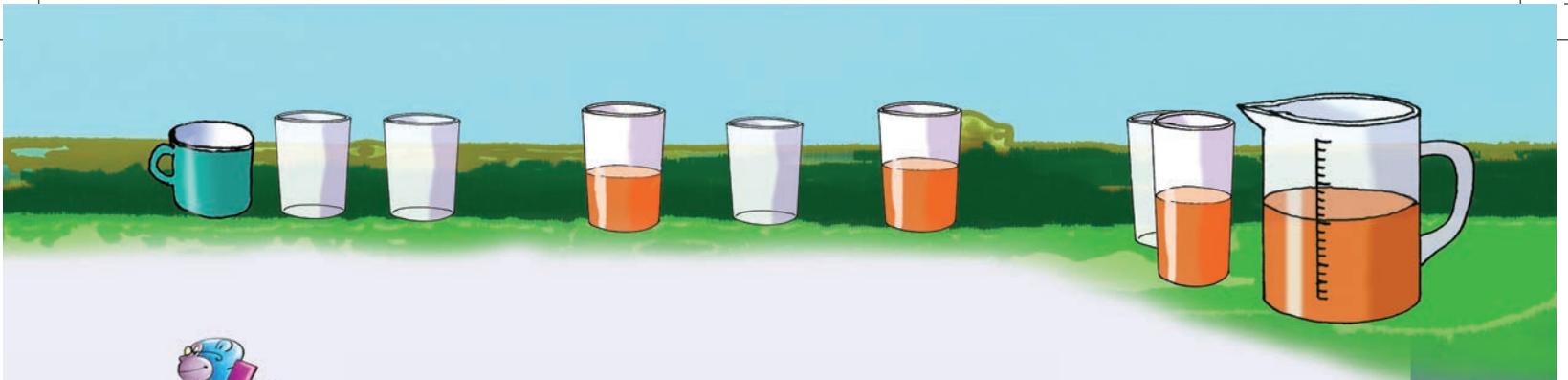
45

43

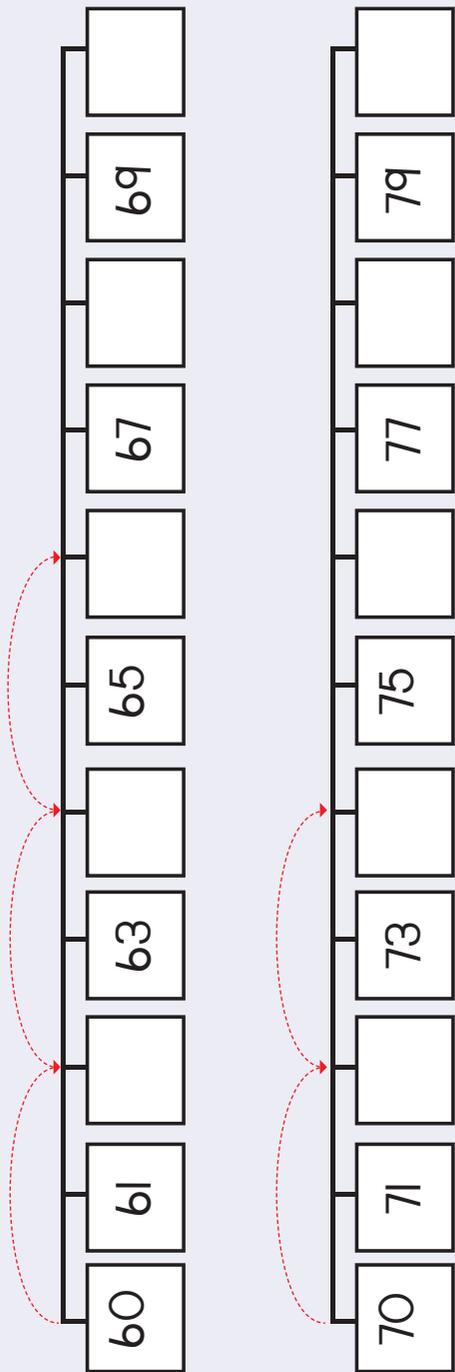
41

40





Gerani nomboro dzi no khou t̄ahela kha Tshigeriwa 2 ni dzi vhee kha mutalombalo. Ni ite na u fhedzisa dzihupu.



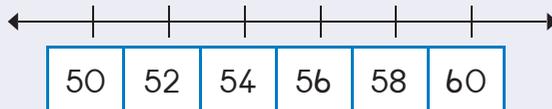
Fhedzisani phetheni nga u khalara nomboro dzone.

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

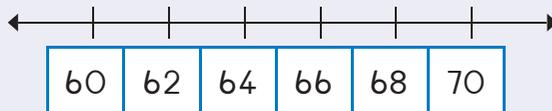


Olani dzihupu ni tshi sumbedza zwi tevhelaho:

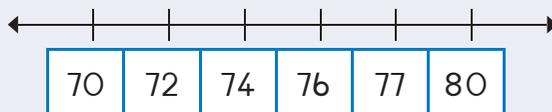
54, 56, 58



64, 66, 68



72, 74, 76



Teacher:
Sign:
Date:



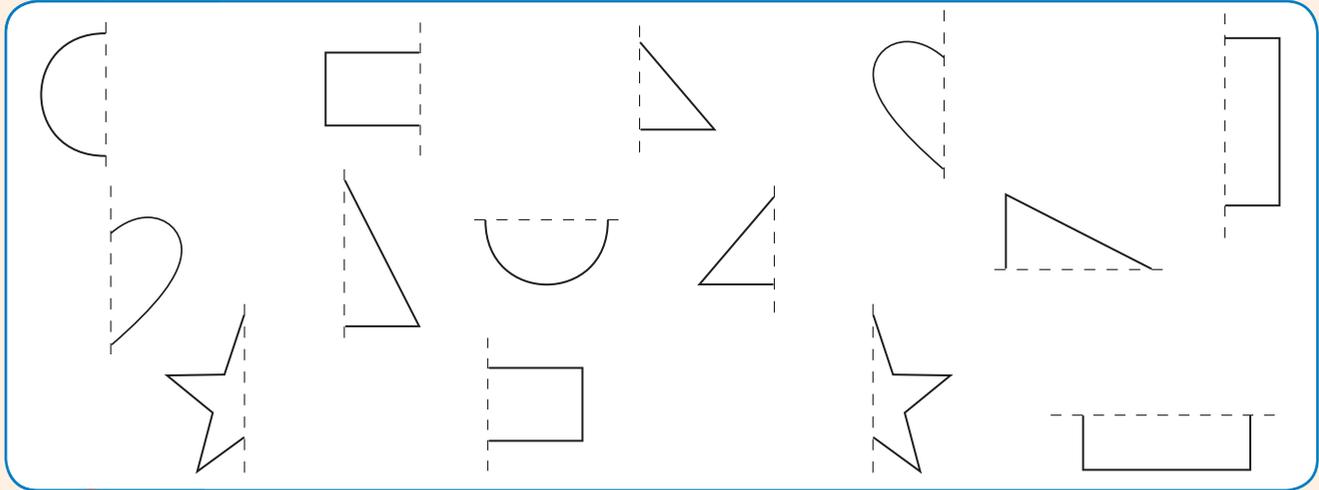


Ndinganahuvhili

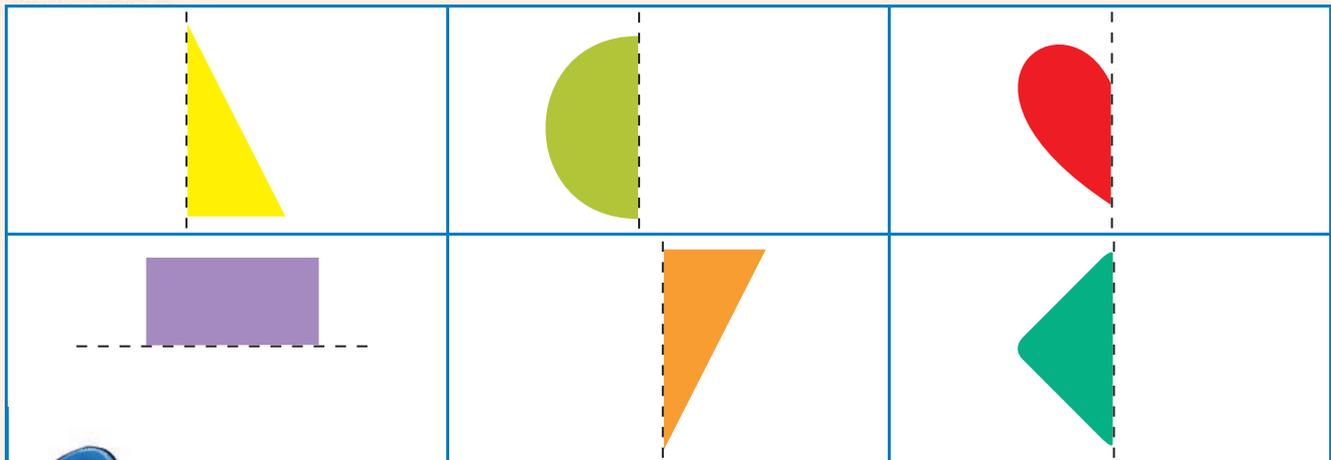
Themo ya 3



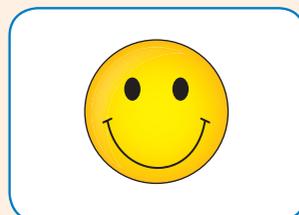
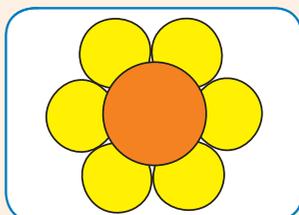
Khalarani zwipida zwivhili zwa zwivhumbeo zwine zwa do vhumba tshivhumbeo tshithihi.

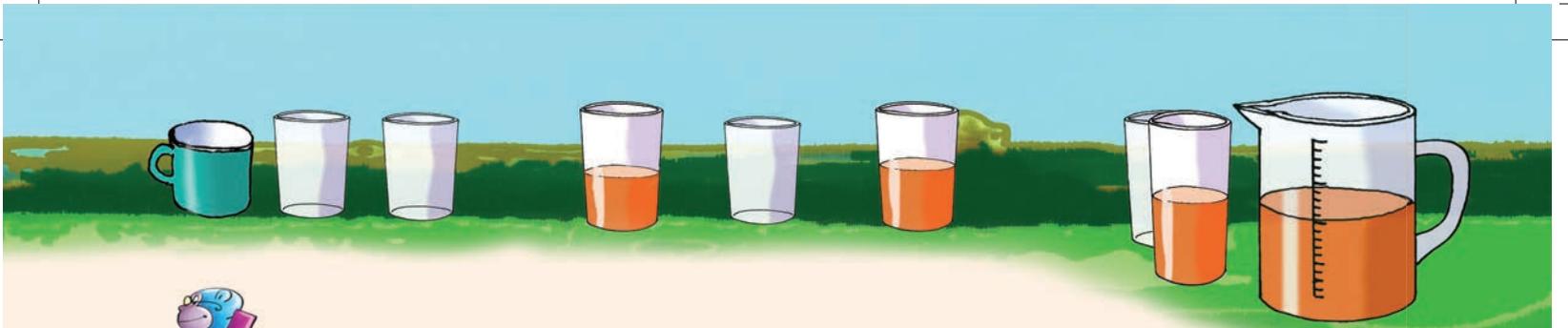


Olani ila inwe hafu ni i khalarare.



Talani mutalo u no fhandula zwifanyiso izwi zwa bva hafu mbili dzi no lingana kwakwakwa.

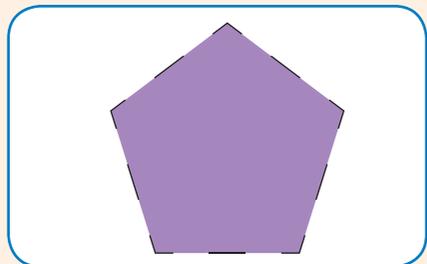
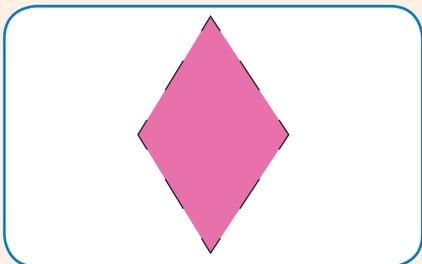
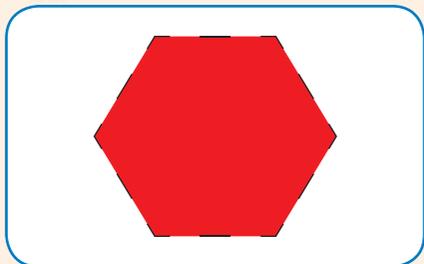




Olani ila inwe hafu ya tshivhumbeo ni tshi shumisa bodo ya giridi uri i ni dededze.



Talani mutalo u no fhandula zwivhumbeo izwi zwa bva hafu mbili dzi no lingana kokotolo.



Teacher: _____
 Sign: _____
 Date: _____





Momboro na vhuimo ha nomboro

Themo ya 3



Ñwalani nomboro dzi no khou t̄ahela.

10	11				15
9	10				



Ñwalani nomboro dzi no khou t̄ahela.

←									→
6	7			10	11				15
←									→
15	14				10				6



Ñwalani phindulo.

$10 + 1 =$	11	$15 - 10 =$	
$10 + 2 =$		$14 - 10 =$	
$10 + 5 =$		$12 - 10 =$	
$10 + 3 =$		$11 - 10 =$	



Rekanyani mbalo inwe na inwe ya mivhala ni khalare tshipida tsha phazili (khanganyisa) tshi re na nomboro yone. Shumisani muvhala muthihi. Ro dzula ro ni itela ya u thoma.



10 + 1 nga mutswuku



10 + 3 nga pinki



10 + 5 nga wa lutombo



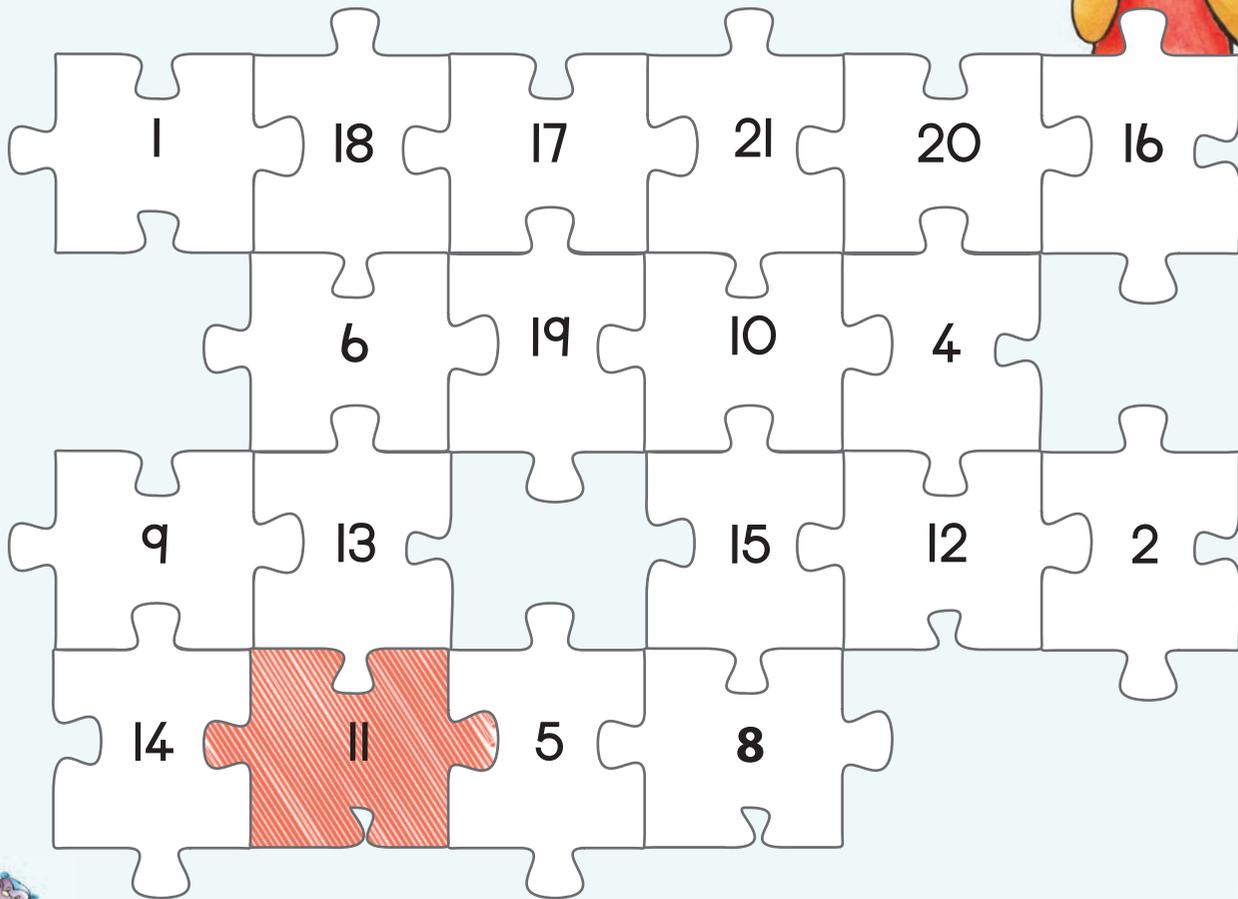
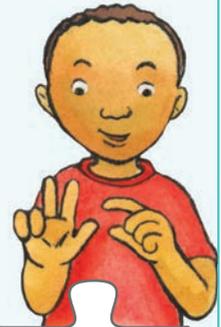
10 + 4 nga mutāda



10 + 0 nga mudala



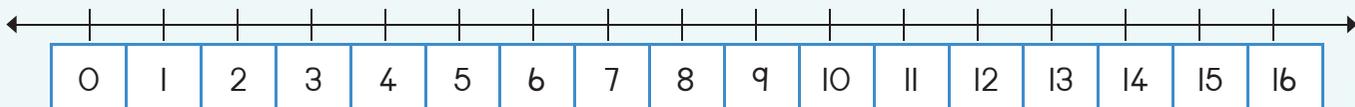
10 + 2 nga wa tshitopana



Sumbedzani fumi na ina kha mutalombalo:



Teacher:
Sign:
Date:



11 12 13 14 15 16 17 18 19 20



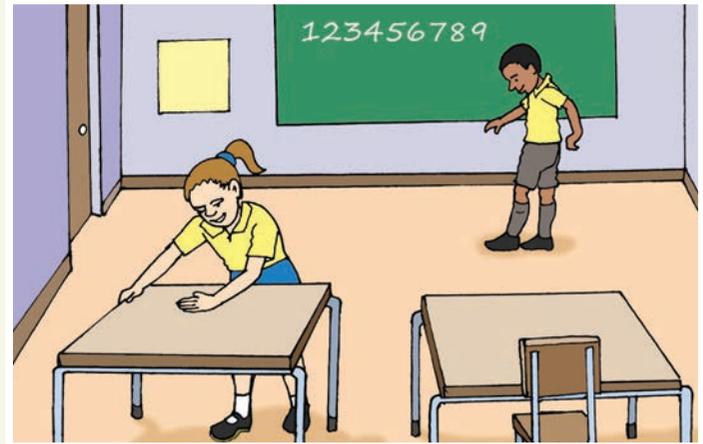


Vhulapfu (Vhunavha)

Themo ya 3



Elani vhulapfu (vhunavha) na vhuphara ha desike kana tafula ni tshi shumisa vhulapfu ha tshanda tshanu. Ndi vhulapfu ha zwanda vhungana hu no linga vhulapfu ha tafula?
Ndi vhulapfu ha zwanda vhungana hu no linga vhuphara?

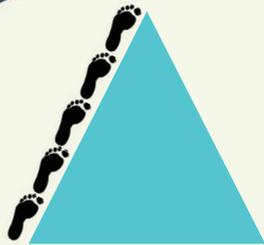


Vhulapfu vhu lingana vhulapfu ha tshanda ha _____.

Vhuphara vhu lingana vhulapfu ha tshanda ha _____.



Ndi maga mangana a no ela vhulapfu ha matungo?





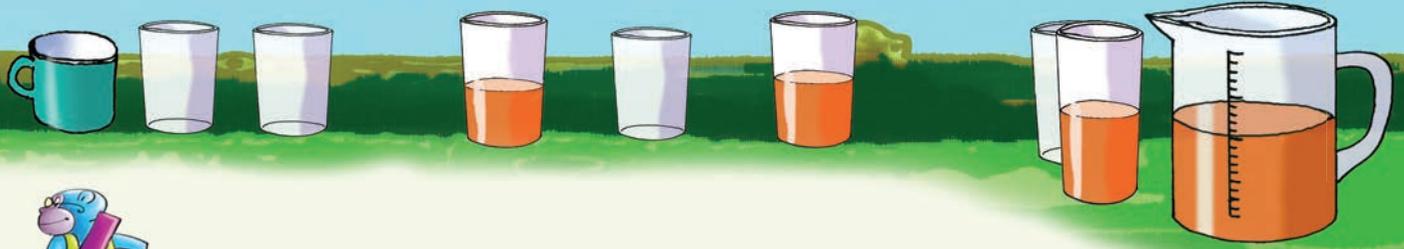




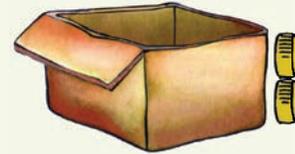
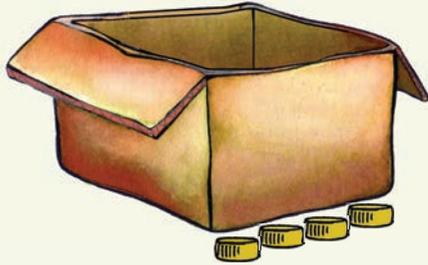
Nwalani phindulo.



Vhulapfu vhu lingana vhulapfu ha tshanda ha _____.



Vhulapfu na vhuphara ha bogisi ili ndi vhufhio?



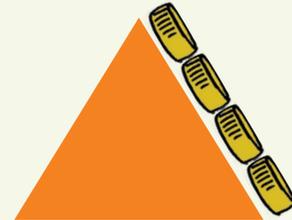
Vhulapfu ha hone vhu lingana vhulapfu ha zwithivho zwa babodelo zwa _____.

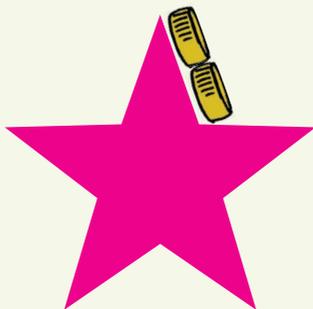
Vhuphara ha hone vhu lingana vhulapfu ha zwithivho zwa babodelo zwa _____.

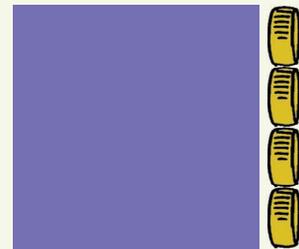


Ndi zwithivho zwingana zwi no ela vhulapfu ha matungo.



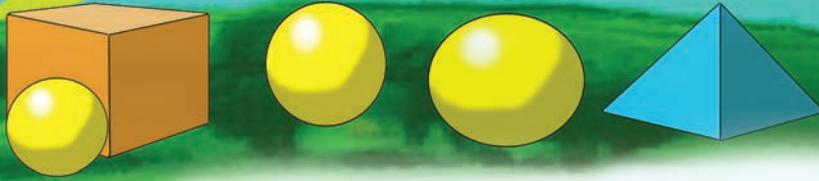








Teacher: _____
Sign: _____
Date: _____



Nomboro 16

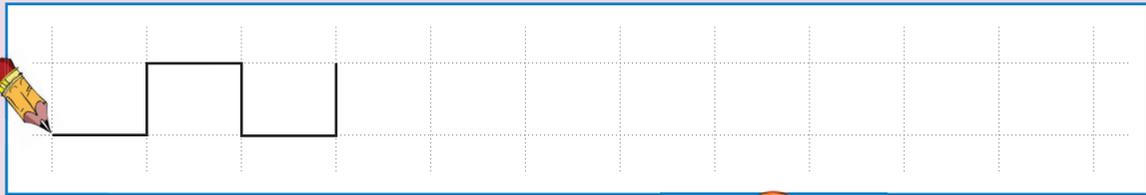
Themo ya 4

Mvusuludzo:

Itani ndowendowe ya u n'wala dzinambalo ni f'hedzise phetheni.

7

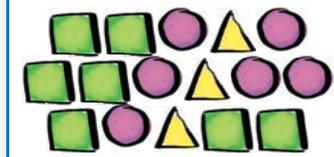
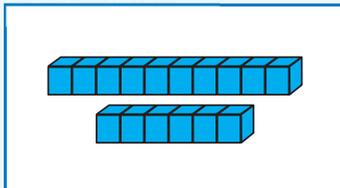
sumbe



Livhanyani zwifanyiso.

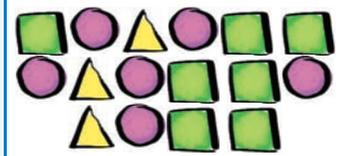


Tovhedzelani nomboro.



16 16 16 16

fumirathi

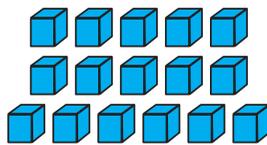


16

16 16 16 16

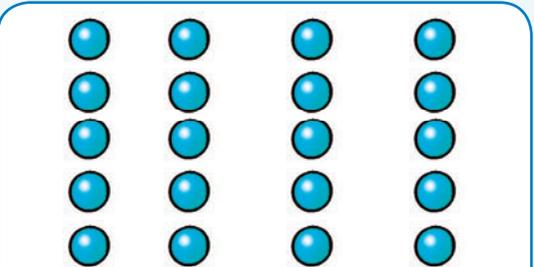
fumirathi

10
6

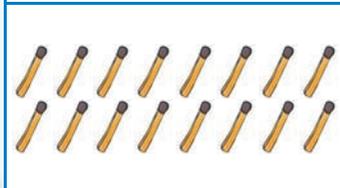


Tangedzelani mimbete ya 16 fhedzi.

16

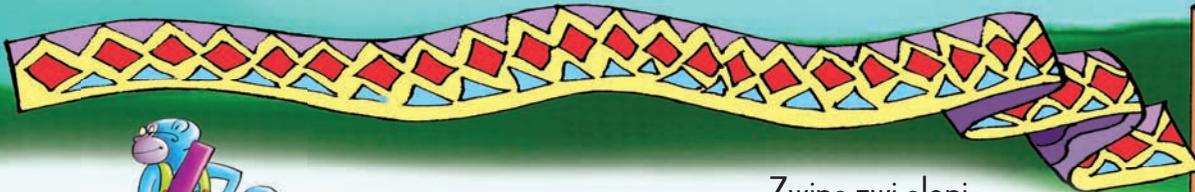


Ho sala vhungana? _____



10
6





Olani zwithu zwa 16.

Zwino zwi oleni nga ndila inwevho.



Nwalani nomboro i no khou tshela.

2	3	4
19		21
17		19



Fhedzisani thebulu. Rou inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.

	16	
		fimirathi



Ndi nomboro ifhio i re tshukhu kha 16 nga thihi? _____
 Ndi nomboro ifhio i re khulwane kha 16 nga thihi? _____



Ndi nomboro ifhio i re tshukhu kha fumirathi nga thihi?

Ndi nomboro ifhio i re tshukhu kha fumirathi nga mbili?

Ndi nomboro ifhio i re khulwane kha fumirathi nga thihi?

Ndi nomboro ifhio i re khulwane kha fumirathi nga mbili?



Nwalani nomboro dzi no khou tshela.

10	9		7	6		4	3		1



Teacher: _____

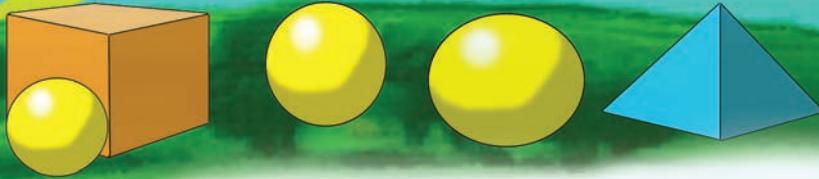
Sign: _____

Date: _____



11 12 13 14 15 16 17 18 19 20





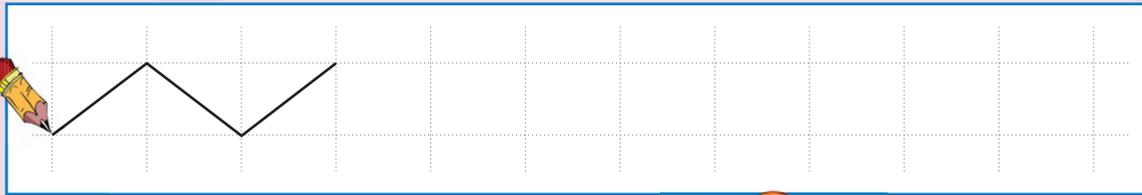
Nomboro 17

Mvusuludzo:

Itani ndowendowe ya u n'wala dzinambalo ni f'hedzise phetheni.

8

malo



Livhanyani zwifanyiso.



Tovhedzelani nomboro.

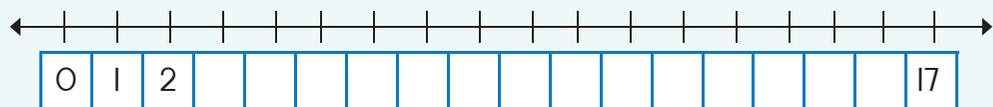
10 7
17

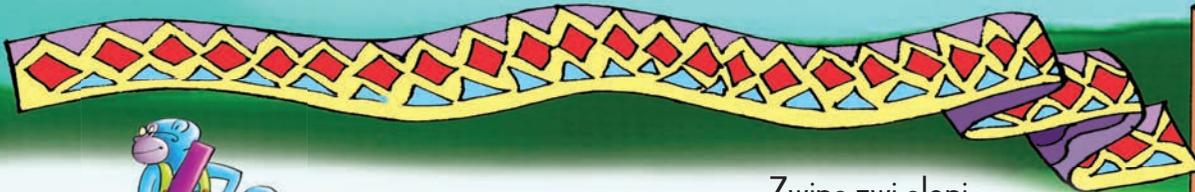
17
10 7

17	17	17	17
fumisumbe			
17	17	17	17
fumisumbe			



Fhedzisani mutalombalo.





Olani zwithu zwa 17.

Zwino zwi oleni nga ndila inwevho.



Ndi nomboro ifhio i no tevhele?

16	17	
24	25	
17	18	



Fhedzisani thebulu. Rou inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.

	17	
		fumisumbe



Ndi nomboro ifhio i re tshukhu kha fumisumbe nga thihhi?	
Ndi nomboro ifhio i re tshukhu kha fumisumbe nga mbili?	
Ndi nomboro ifhio i re khulwane kha fumisumbe nga thihhi?	
Ndi nomboro ifhio i re khulwane kha fumisumbe nga mbili?	



Nwalani nomboro i no khou tshahela.

Nwalani nomboro dzi no khou tshahela.

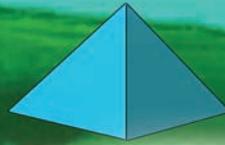
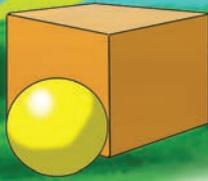
	2		4		6		8		10
	12		14		16		18		20



Teacher:
Sign:
Date:



99



Nomboro 18

Themo ya 4

Mvusuludzo:

Itani ndowendowe ya u n'wala dzinambalo ni f'hedzise phetheni.

9

yahe



Livhanyani zwifanyiso.



Tovhedzelani nomboro.

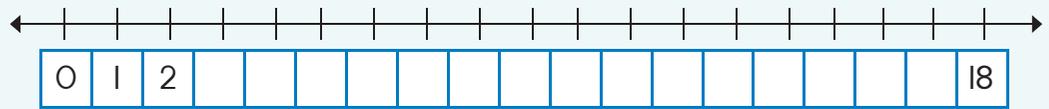
10 8
18

18
10 8

18	18	18	18
fumimalo			
18	18	18	18
fumimalo			

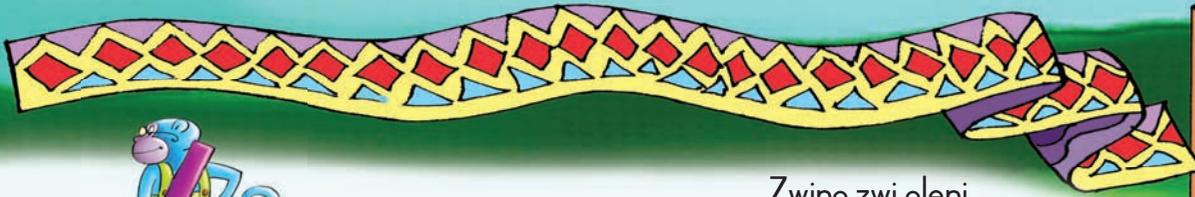


Fhedzisani mutalombalo.



0 1 2 3 4 5 6 7 8 9 10





Olani zwithu zwa 18.

Zwino zwi oleni nga ndila inwevho.



Ndi nomboro ifhio i no tevhela?

8	9	
33	34	
0	1	



Fhedzisani thebulu. Rou inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.

	18	
		fumimalo



Ndi nomboro ifhio i re tshukhu kha 18 nga thihhi?

Ndi nomboro ifhio i re tshukhu kha 18 nga mbili?

Ndi nomboro ifhio i re khulwane kha 18 nga thihhi?

Ndi nomboro ifhio i re khulwane kha 18 nga mbili?



Nwalani nomboro i no khou tshahela.

1	2		4	5	6	7		9	10
11		13	14	15		17	18		20



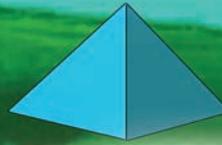
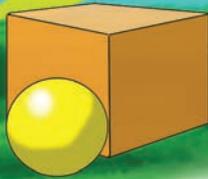
Teacher: _____

Sign: _____

Date: _____



100



Nomboro 19

Themo ya 4

Mvusuludzo:

Itani ndowendowe ya u n'wala dzinambalo ni f'hedzise phetheni.

10

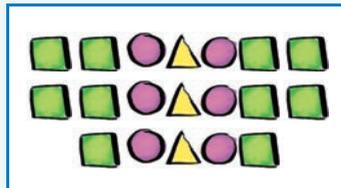
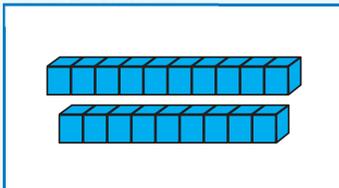
fumi



Livhanyani zwifanyiso.

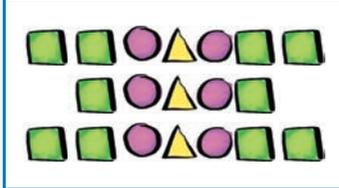


Tovhedzelani nomboro.



19 19 19 19

fumitshane

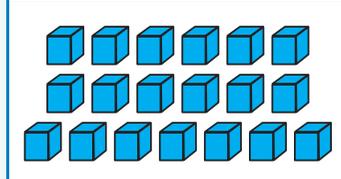


19

19 19 19 19

fumitshane

10 9



Tangedzelani vhulungu ha 19 fhedzi.

19

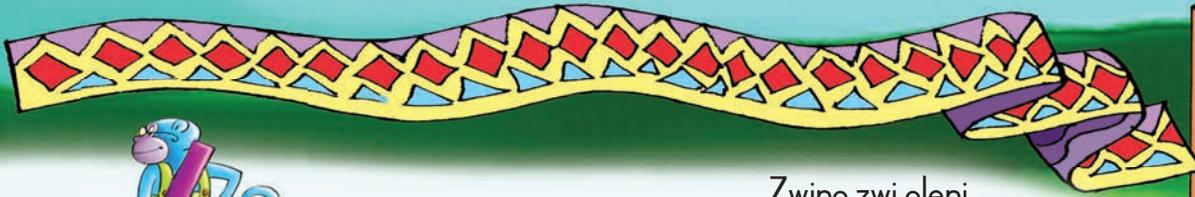


Ho sala vhungana? _____



10 9





Olani zwithu zwa 19.

Zwino zwi oleni nga ndila inwevho.



Ndi nomboro ifhio i no da vhukati?

14		16
35		37
8		10



Fhedzisani thebulu. Rou inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.

 	19	
 		
	 	fumitche
		 



Ndi nomboro ifhio i re tshukhu kha 19 nga thihhi?

Ndi nomboro ifhio i re tshukhu kha 19 nga mbili?

Ndi nomboro ifhio i re khulwane kha 19 nga thihhi?

Ndi nomboro ifhio i re khulwane kha 19 nga mbili?



Nwalani nomboro i no khou tshahela.

I		3		5		7		9	
II		13		15		17		19	

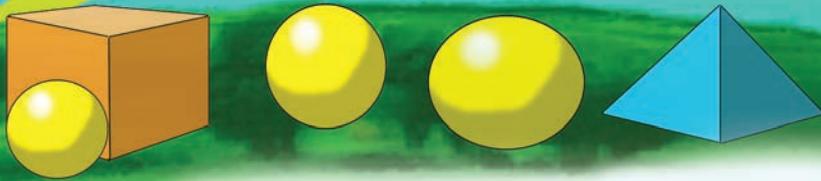
Liñwe dzina ladzo ndi nomboro dza ivini.

Teacher: _____

Sign: _____

Date: _____





Nomboro 20

Themo ya 4



Livhanyani zwifanyiso.



Tovhedzelani nomboro.

20 20 20 20

fumbili

20 20 20 20

fumbili



Tangedzelani vhungu ha 20 fhedzi.

Ho sala vhungana? _____

Ho sala vhungana? _____



Fhedzisani thebulu. Rou (muduba) inwe na inwe i na tshifanyiso, nomboro na ipfi lo imelaho nomboro iyo.

	20	fumbili
		fumbili
20		



Ndi nomboro ifhio i re thukhu kha 20 nga thihi? _____

Ndi nomboro ifhio i re khulwane kha 20 nga thihi? _____



Tumani
nomboro na
ipfi.

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

- ina
- sumbe
- t̄ahe
- raru
- fumithihi
- fumimbili
- thihi
- mbili
- malo
- zero
- t̄hanu
- rathi
- fumiraru
- fumi
- fumiina



Nwalani nomboro i no khou
t̄ahela.

Rangela		Tevhela
16	17	
	12	
	14	
	9	10
	6	



Shumisani maipfi a t̄hukhu na
khulwane ni t̄shi f̄hedzisa hezwi:

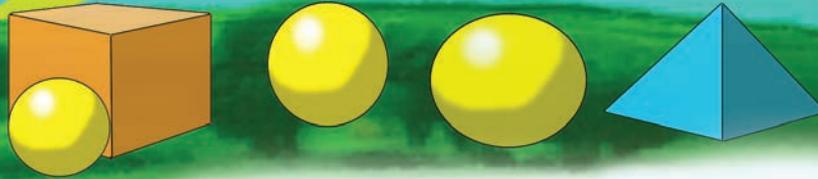
35 ndi _____ kha 38

79 ndi _____ kha 65



Teacher:
Sign:
Date:





Mutanganyo

Themo ya 4



Tangedzelani nomboro i re khulwane tshibulokoni tshinwe na tshinwe.

3	5	15	11	20	8
8	7	12	6	17	18



Tanganyani zwi tevhelaho. Thomani nga u dzhenisa nomboro khulwane u thoma.

$1 + 1 + 5 =$	$5 + 1 + 1 =$
$6 + 2 + 10 =$	
$3 + 4 + 2 =$	
$2 + 6 + 3 =$	
$1 + 10 + 2 =$	



Tanganyani zwibuloko.

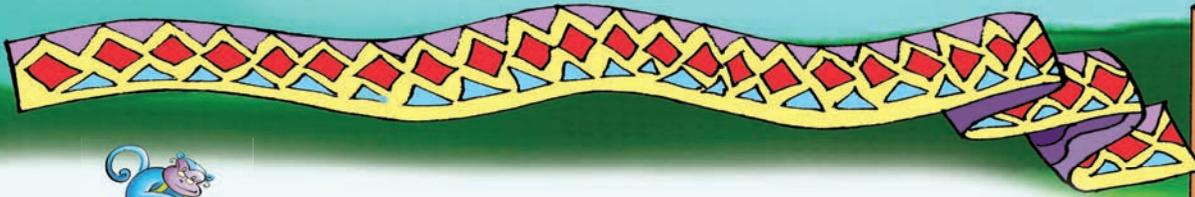
 $10 + 2 + 3 = 15$ $10 + 5 = 15$	 	
--	----------	----------



Nwalani fhungombalo la zwi tevhelaho.

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





Nwalani fhungombalo la zwi tevhelaho:

 $8 + 4 = 12$ $10 + 2 = 12$	 	



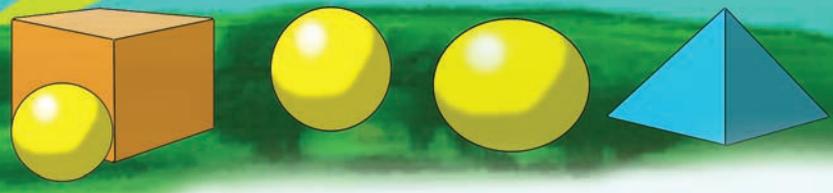
Nwalani nomboro dzi no khou t̄ahela.

	+	14	=	17
9	+		=	20
12	+	8	=	
15	+		=	20
	+	6	=	13
14	+	3	=	0



Teacher: _____
 Sign: _____
 Date: _____





Mutuso

Themo ya 4



Rekanyani.

17		<input type="text"/>
19		<input type="text"/>
14		<input type="text"/>
12		<input type="text"/>



Nwalani fhungombalo.

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



Nwalani fhungombalo.

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



Rekanyani.

18		<input type="text"/>
7		<input type="text"/>
15		<input type="text"/>
9		<input type="text"/>



Fhedzisani mbalo ni tshi shumisa nyolo (zwifanyiso).

	$16 - \square = \square$
--	--------------------------

	$10 + \square = \square$
--	--------------------------





Tusani zwibuloko.

$(10 + 3) - 2 =$		
$13 - 2 =$		



Rekanyani zwi tevhelaho.

$11 + 7 = \square$	$11 + 7 = \square$
$11 + 4 + \square = \square$	$11 + 5 + \square = \square$
$19 - 7 = \square$	$17 - 9 = \square$
$19 - (5 + \square) = \square$	$17 - (7 + \square) = \square$



Rekanyani zwi tevhelaho.

Nyingakavhili ya 5 ndi <input type="text"/>	Nyingakavhili ya 3 ndi <input type="text"/>	Nyingakavhili ya 4 ndi <input type="text"/>
Nyingakavhili ya 7 ndi <input type="text"/>	Nyingakavhili ya 2 ndi <input type="text"/>	Nyingakavhili ya 8 ndi <input type="text"/>
Nyingakavhili ya 10 ndi <input type="text"/>	Nyingakavhili ya 9 ndi <input type="text"/>	Nyingakavhili ya 1 ndi <input type="text"/>



Findulani zwi tevhelaho:

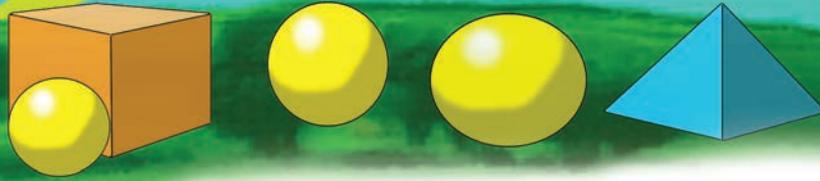
$9 + 9 - 1 =$	kana	Ho ingwa kavhili $9 - 1 =$	
	kana	Ho ingwa kavhili $5 - 1 =$	
$4 + 4 - 1 =$	kana		

Teacher: _____

Sign: _____

Date: _____





Mutanganyo na mutuso

Themo ya 4



Vhalani uri ho dzula zwimange zwingana duvhani.
Vhusiku zwiṅwe zwazwo zwi eḏela nga murahu ha luvhondo.
Wanani tshivhalo tsha zwimange zwi re murahu ha luvhondo ni tshi ṅwale.

$$3 + \square = 8$$

$$4 + \square = \square$$

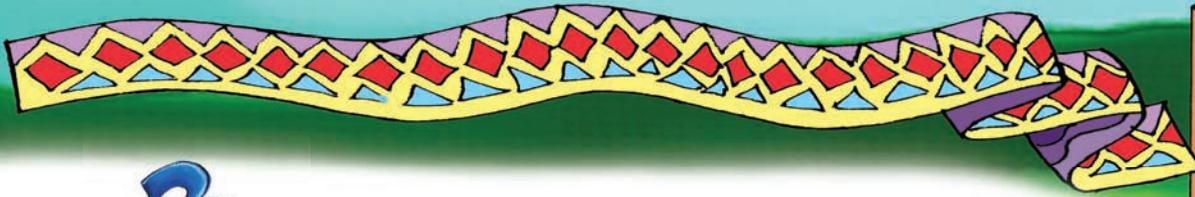

Tandululani zwi tevhelaho.
Ni nga kha ḡi ita nyolo uri i ni thuse.



Lerato o vha e na maswiri a 4. Peter a mu fha maswiri a 13.
U na maswiri mangana zwino?

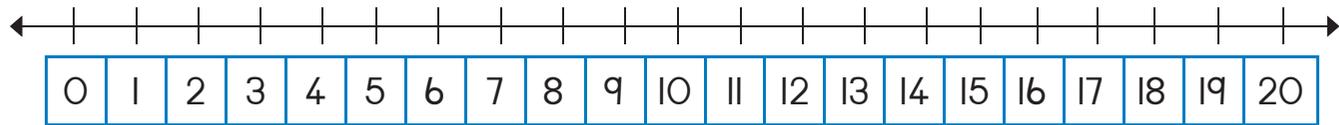
Mandla u na khirayoni dza 5. Anne u na khirayoni dza 8.
Ndi nnyi a re na kharayoni tḡhukhu?



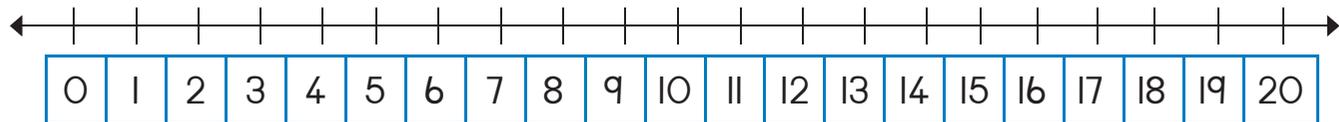


Shumisani mutalombalo kha u tandulula zwi tevhelaho:

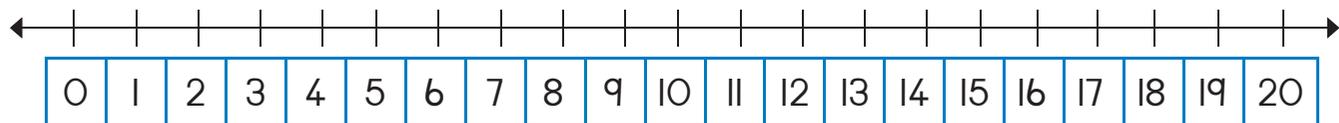
Thandi u na mimavhulu midala ya 6 na ya lutombo 9.
U na mimavhulu mingana?



Lerato u na mimavhulu ya 16. Ya malo ndi midala ngeno miñwe yothe i ya lutombo. Lerato u na mimavhulu mingana ya lutombo?



Thandi u na miomva ya 19. Themba u na miomva ya 10.
Thandi u na miomva minzhi nga mingana u fhira Themba?



Ndi nomboro dzifhio dzi no wanala
vhukati ha 25 na 30?

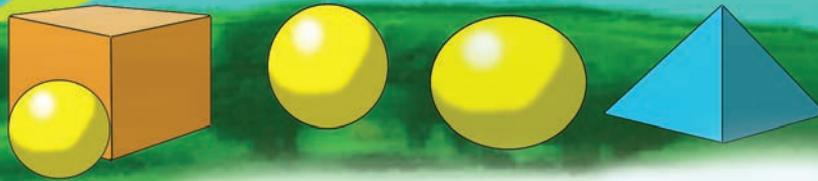
Tangedzelani nomboro i re khulwane
kha 76 nga 1.



Tangedzelani nomboro i re khulwane
kha 76 nga 2.



Teacher:
Sign:
Date:



Nomboro zwadzo

Themo ya 4

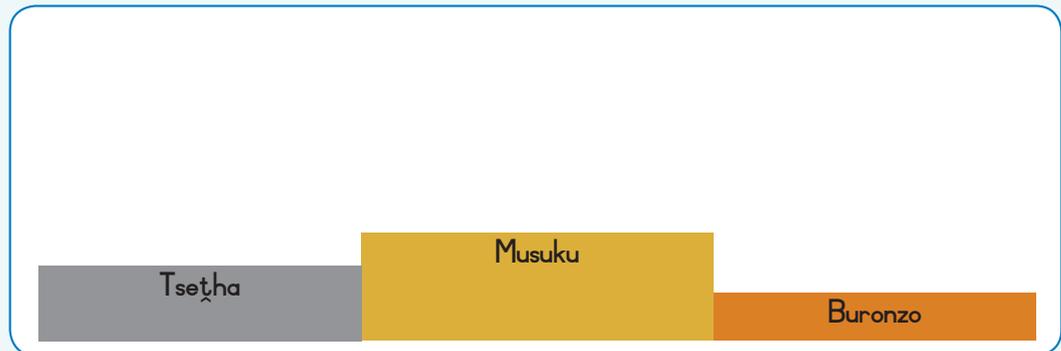


Ndi iyi we a dzhia vhuimo ha u thoma mbambeni?
Nwalani vhuimo nga fhasi havho.

Sipho	Lerato	John	Peter	Ann
<input type="text"/>	2	3	<input type="text"/>	<input type="text"/>



Vha oleni vho
ima n̄ha ha
phodiamu.



Ndi nnyi we a wana musuku? _____ Ndi nnyi we a wana tsetha? _____



Olani ndunzhedzo ya
vhulungu nga heyi ndila:

- Lulungu lwa u thoma ndi lwa lutombo.
- Lulungu lwa vhuvhili ndi lutswuku.
- Lulungu lwa vhuraru ndi ludala.
- Lulungu lwa vhuṅa ndi lwa ṭaḁa.
- Lulungu lwa vhuṭanu ndi lwa lutombo.
- Lulungu lwa vhurathi ndi lutswuku.
- Lulungu lwa vhusumbe ndi ludala.
- Lulungu lwa vhumalo ndi lwa ṭaḁa.
- Lulungu lwa vhuṭahe ndi lwa lutombo.
- Lulungu lwa vhuḁumi ndi lutswuku.

Ndunzhedzo ya vhulungu hanga.





Lavhelesani thevhekano ya zwivhumbeo.
Kopololelani zwivhumbeo zwickhalani zwone kha thebulu.
Ro dzula ro ni itela ya u thoma.

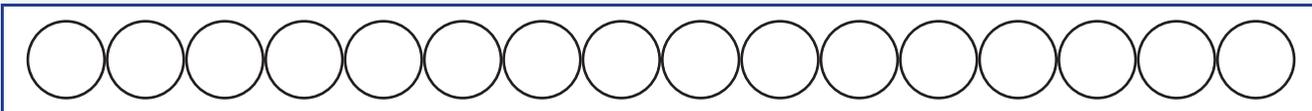


Ndi tshivhumbeo tshifhio tshi re tsha:

Vhuna		Vhusumbe	
Vhutaanu		Vhutahe	
Vhuvhili		Ufhedza	
Vhuraru		Vhurathi	



Itani zwi tevhelaho:



Khalarani tshitendeledzi tsha u thoma nga muvhala mutswuku.



Khalarani tshitendeledzi tsha vhuṭanu nga muvhala wa ṭaḡa.



Khalarani tshitendeledzi tsha vhumalo nga muvhala wa lutombo.



Itani mutalombalo wa 10 u swika kha 20.
Tangedzelani nomboro ya vhuraru na ya vhumalo.

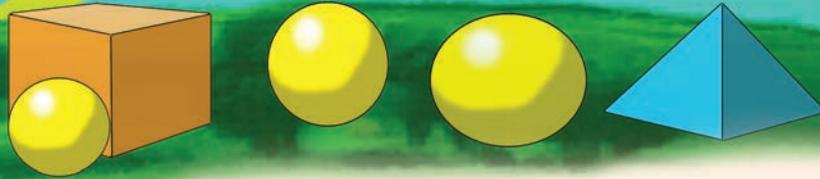


Teacher: _____

Sign: _____

Date: _____

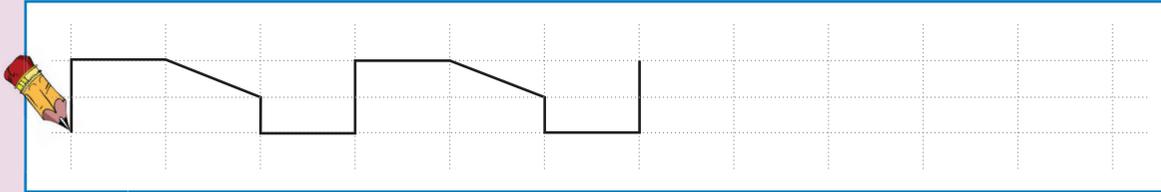




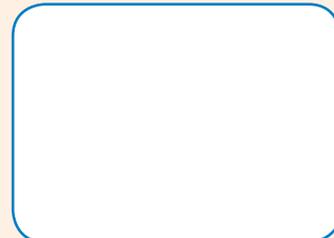
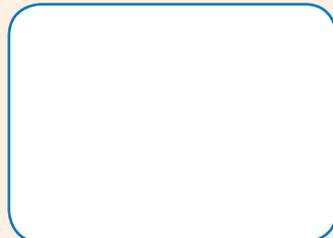
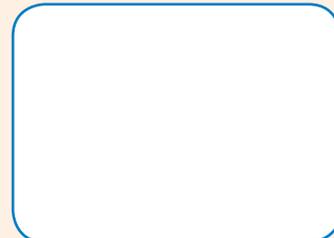
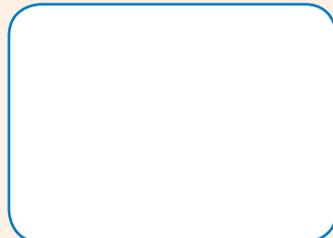
Zwithu na zwivhumbeo

Mvusuludzo:

Mvusuludzo: Fhedzisani phetheni.

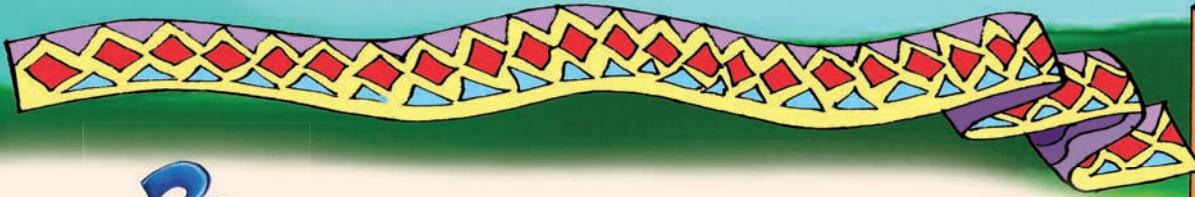


Wanani zwifanyiso zwi vhili zwa bola na zwifanyiso zwi vhili zwa mabogisi kha gurandza kana magazini ni zwi nambatedze afho fhasi.



Itani tshitendeledzi tsha lutombo u mona na zwithu zwothe zwi ne zwa swenda. Itani tshikwea tshitswuku u mona na zwithu zwothe zwi ne zwa kunguluwa.





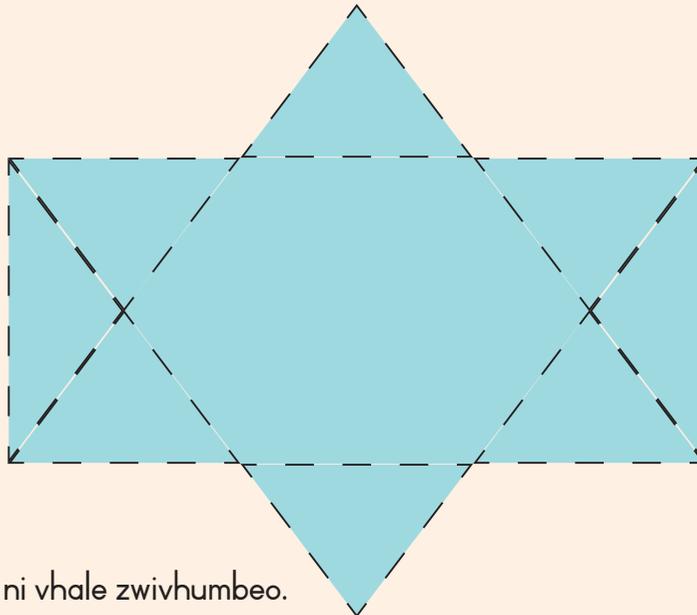
Tevhedzelani ipfi ni ole tshithu.

bogisi

bola



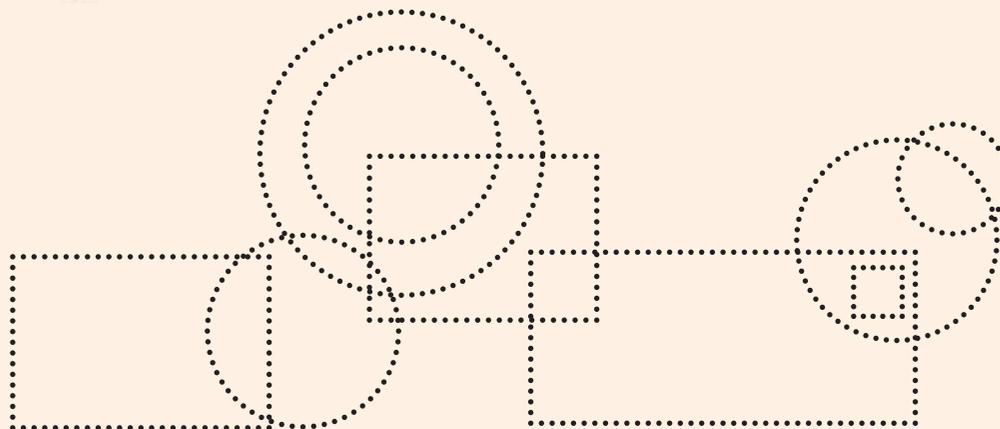
Vhalani thiraiengele dzothe ni n'wale nomboro.



Phindulo:



Tevhedzelani ni vhale zwivhumbeo.



Zwitendeledzi

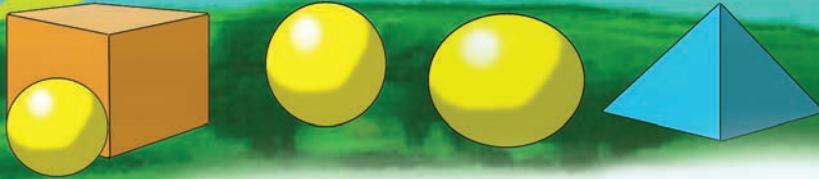


Zwikwea



Teacher: _____
Sign: _____
Date: _____





Tshelede

Themo ya 4

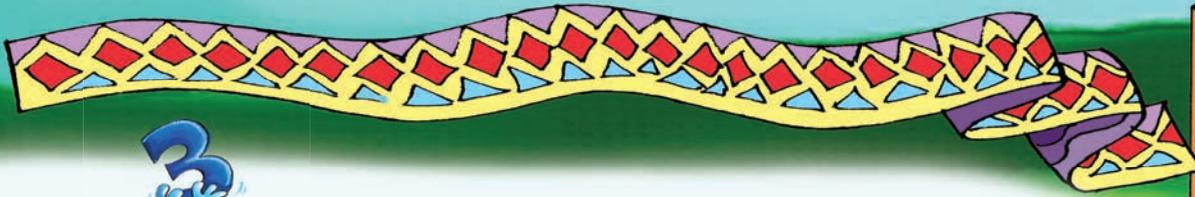


Ni nga livhanya khoini dzifhio?



Itani thiki tshibogisini tshinwe na tshinwe tsini na khoini na noutu (ya mabambiri) dzine dza nga ni fha zwi tevhelaho:

RIO			<input type="checkbox"/>										
R20			<input type="checkbox"/>										
R15			<input type="checkbox"/>										



Tusani R2.

 $R12 - R2 = R10$	 <input type="text"/>	 <input type="text"/>
---	--	---



Tusani R5.

 $R15 - R5 = R10$	 <input type="text"/>	 <input type="text"/>
--	---	--



Ni nga ola t̄hangano nngana dzo fhambananaho dza u ita R20?
Ro dzula ro ni itela ya u thoma.





Tangedzelani khoini kha mutaladzi muñwe na muñwe ine na nga renga zwinzhi ngayo.

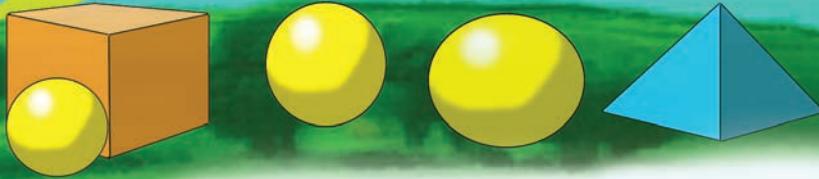


Teacher: _____

Sign: _____

Date: _____



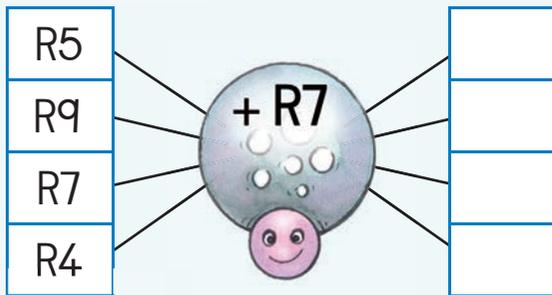


Tshelede inwe hafhu

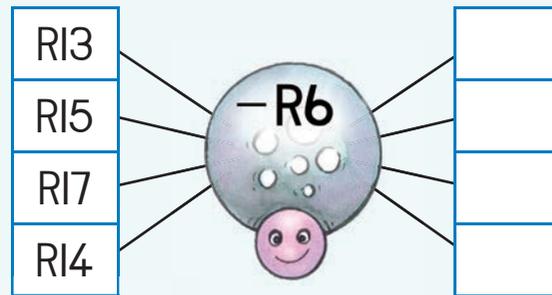
Themo ya 4



Rekanyani.



Rekanyani.



Nwalani phindulo.

$R10 + R1 =$	
$R10 + R2 =$	
$R10 + R3 =$	
$R10 + R4 =$	
$R10 + R5 =$	



Ndi ifhio khulwane (nnzhi)?
Tangedzelani phindulo yanu.

5c kana R5
20c kana R20
R1 kana 50c
R2 kana R1
20c kana 50c



Tanganyani nomboro dzi tshi buḁa kana dzi tshi tsitsa ni nḁwale phindulo.

R2	R4	R9	=
R7	R3	R5	=
R6	R8	R1	=
=	=	=	=





Lavhelesani tsumbo ni fhedzise dzo salaho.

R17	=	R10	+	R7
R16	=		+	
R15	=		+	
R14	=		+	
R13	=		+	
R12	=		+	



James o renga vhurotho nga R8. A badela nga noutu ya RIO (ya bambiri). O wana tshintshi ya vhugai?

Mbudziso i ri mini?

Nwalani nomboro.

Nwalani mbalo ni i shume.



Mme a Busi vho renga muñadzi wa R17. Vha badela nga no noutu mbili utu dza RIO. Vho wana tshintshi ya vhugai?

Mbudziso i ri mini?

Nwalani nomboro.

Nwalani mbalo ni i shume.



Duvha la mabebo la Judy lo vha nga Swondaha. O fhiwa R5 nga mukomama wawe, a fhiwa R2 nga khaladzi awe na RIO nga muzwala wawe. Vha na malegere mangana o tangana othe?

Mbudziso i ri mini?

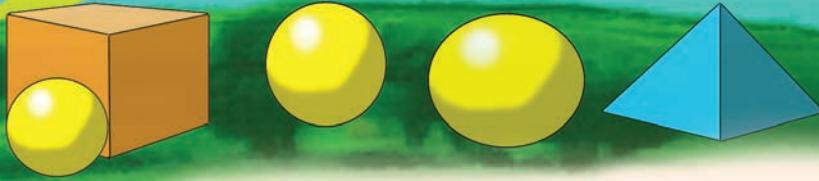
Nwalani nomboro.

Nwalani mbalo ni i shume.



Teacher:
Sign:
Date:



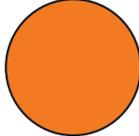
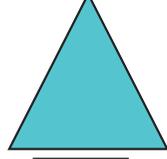


Zwivhumbeo zwa 2-D

Themo ya 4

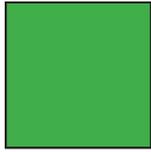
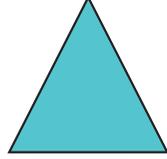
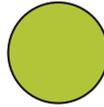
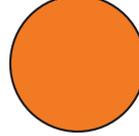


Itani thiki kha tshivhumbeo tshitukusa tshibulokoni tshinwe na tshinwe.

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



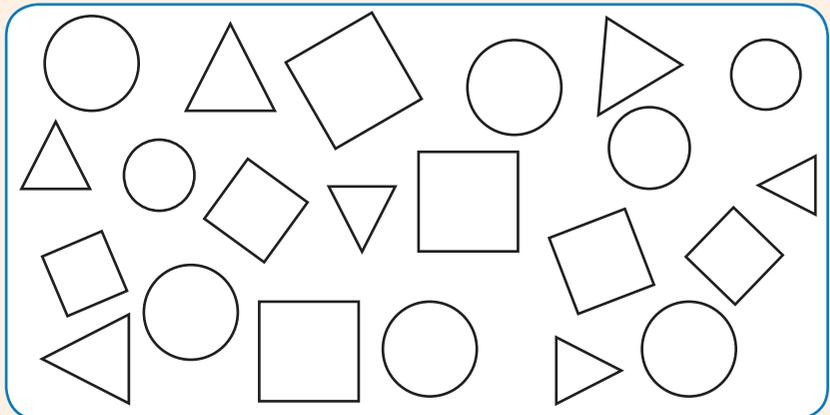
Itani thiki kha tshivhumbeo tshihulwanesa tshibulokoni tshinwe na tshinwe.

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

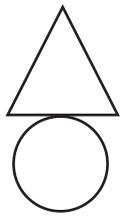
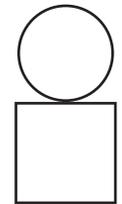


Khalarani:

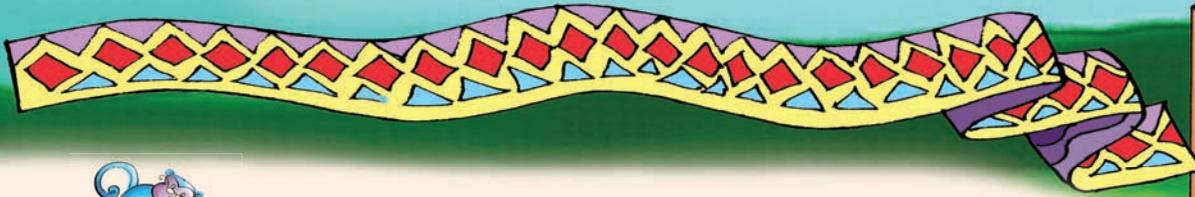
- zikwea nga muvhala wa lutombo
- thiraiengele nga muvhala mutswuku
- zwitendeledzi nga muvhala mudala



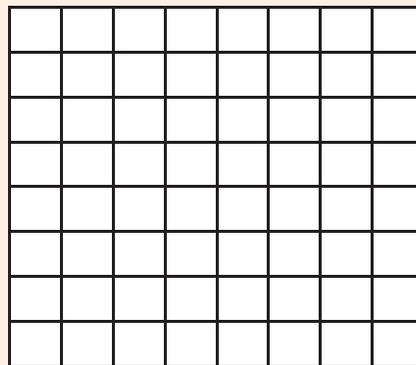
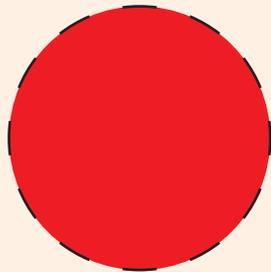
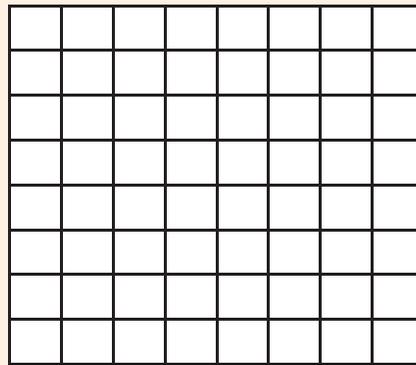
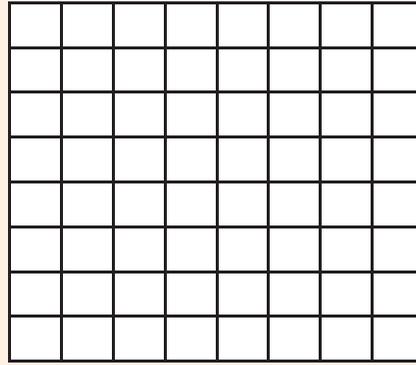
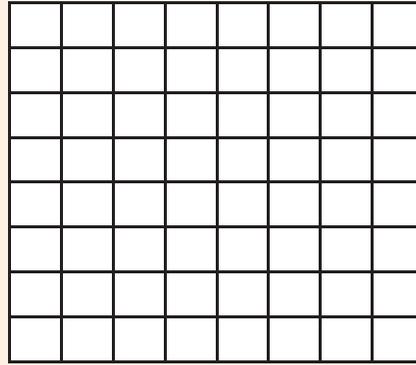
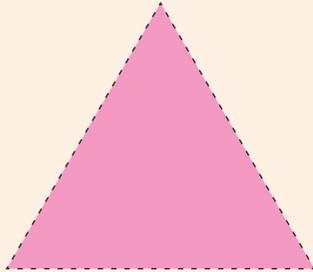
Itani tshifanyiso ni tshi shumisa zwivhumbeo. Ro thoma tshifanyiso tshinwe na tshinwe nga zwivhumbeo zwihili.

		
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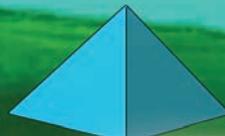
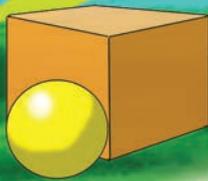


Olani zwiivhumbeco kha giridi.
Shumisani zwiikwea zwiituku uri zwi ni thuse.



Teacher: _____
Sign: _____
Date: _____





Zwivhumbeo zwa 2-D – vhurumbutswititi na vhurumbu ha zwipulumbu



Tevhedzelani zwivhumbeo zwi tevhelaho.

Themo ya 4

 thiraiengele	 zwitendeledzi	 zwikwea
 zwitendeledzi	 thiraiengele	 zwikwea



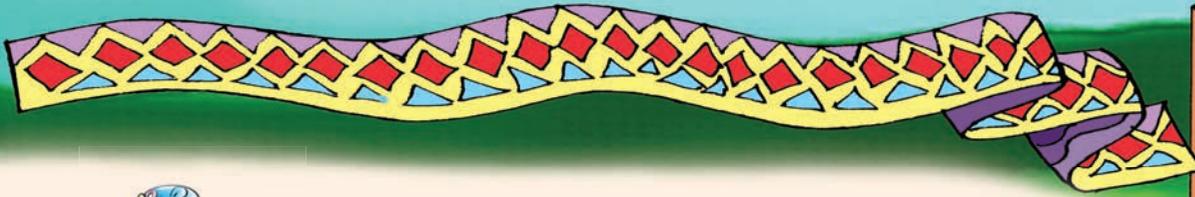
Itani thiki ni tshi sumbedza uri tshivhumbeo tshi na vhurumbutswititi kana vhurumbu ha zwipulumbu.

 vhurumbu ha zwipulumbu <input type="checkbox"/> vhurumbutswititi <input type="checkbox"/>	 vhurumbu ha zwipulumbu <input type="checkbox"/> vhurumbutswititi <input type="checkbox"/>	 vhurumbu ha zwipulumbu <input type="checkbox"/> vhurumbutswititi <input type="checkbox"/>
--	--	--



Olani tshivhumbeo nga:

vhurumbutswititi	vhurumbu ha zwipulumbu
------------------	------------------------



Vhalani tshivhalo tsha zwitendeledzi, zwickwea na thiraiengele.

Zwitendeledzi

Zwickwea

Thiraiengele



Wanani tshifanyiso kha magazini tsha tshithu tshi re na:

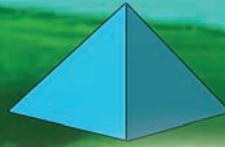
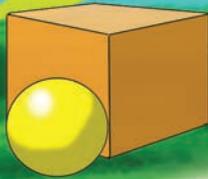
vhurumbu ha zwipulumbu

vhurumbutswititi



Teacher: _____
 Sign: _____
 Date: _____

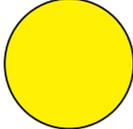
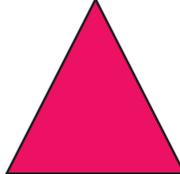
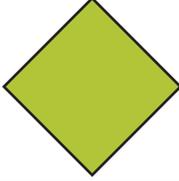
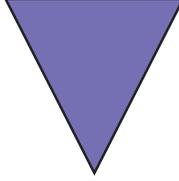
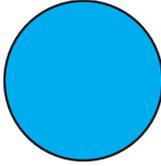




Zwiñwe zwivhumbeo zwa 2-D



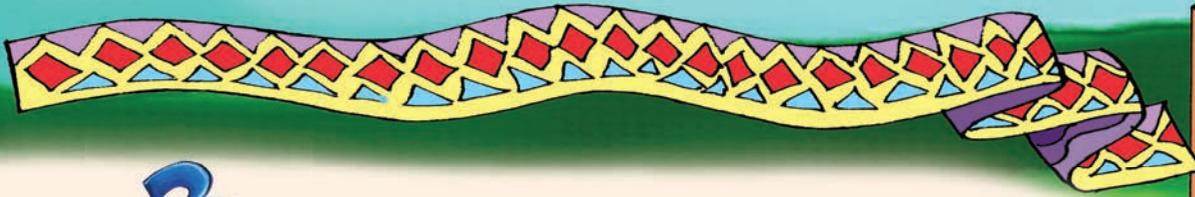
Bulani madzina a zwivhumbeo zwi tevhelaho:

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

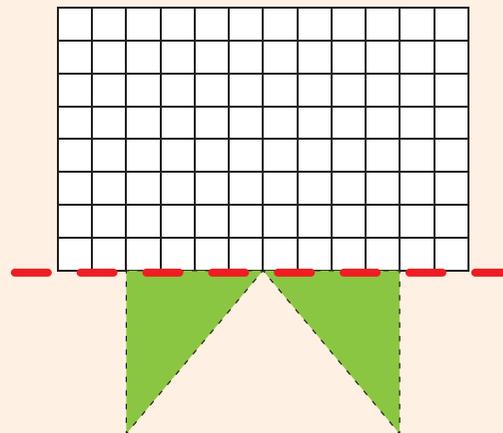
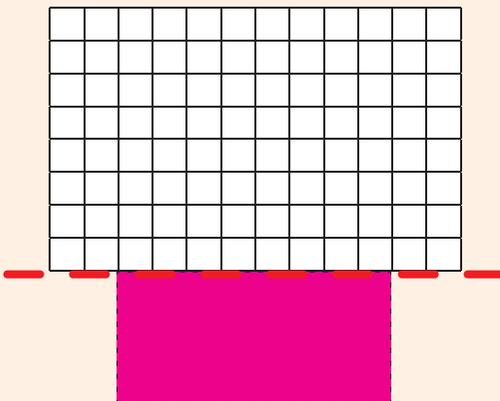
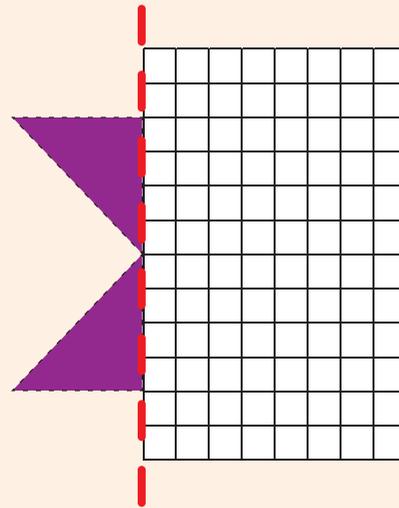
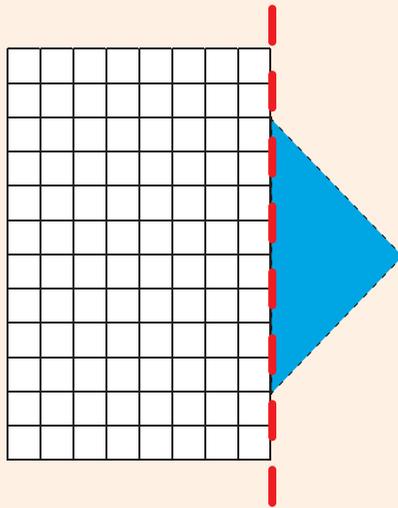
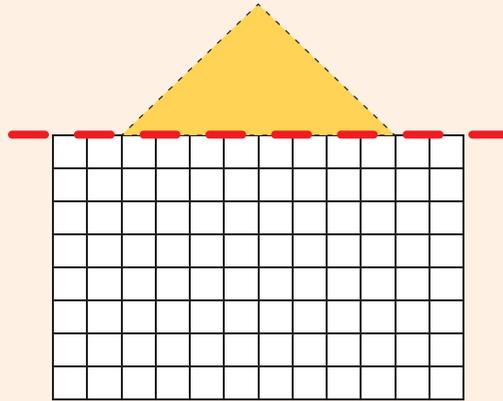
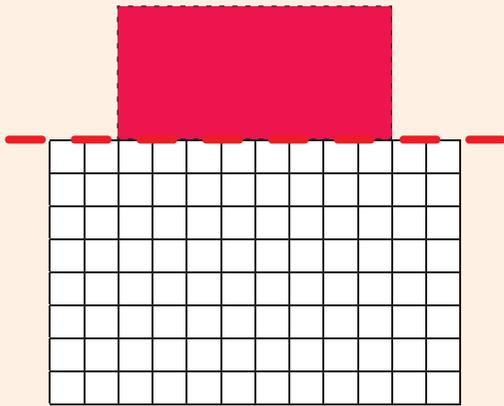


Olani tshifanyiso tshañu inwi muñe ni tshi shumisa zwitendeledzi, thiraiengele na zwikwea fhedzi.





Olani ila inwe hafu ya tshivhumbeco tshinwe na tshinwe.
Shumisani tshikwea tshituku uri tshi ni thuse.



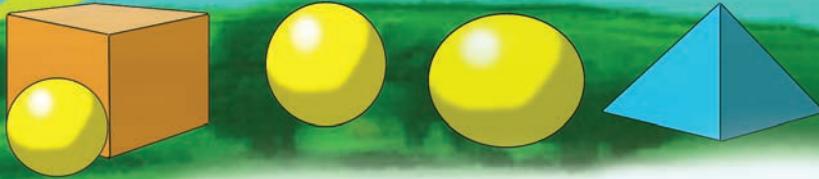
Zwothe zwi na vhurumbutswititi na vhurumbu ha tshipulumbu.



Teacher: _____

Sign: _____

Date: _____



Zwigwada zwa ṭhanu u swika kha 20

Themo ya 4



Itani tshitendeledzi ni tshi vhumba zwigwada zwa ṭhanu.
Ni na zwigwada zwingana zwa ṭhanu?

tshigwada tsha tsha zwa 5

zwigwada zwa zwa zwa 5

zwigwada zwa zwa zwa 5

zwigwada zwa zwa zwa 5



Vhalani tshivhalo tsha minwe. Nwalani phindulo yaṅu.

$5 + 5 + 5 =$

$5 + 5 + 5 + 5 =$

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

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





Nwalani fhungombalo la zwi tevhelaho:



Fhindulani mbudziso.



Ni kona u vhona khoini nngana?

I nwaleni sa fhungombalo:



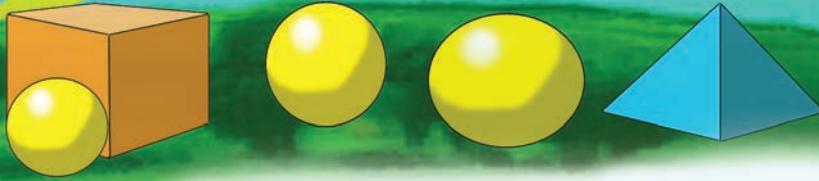
Nwalani nomboro dzi no khou tshela.

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



Teacher:
Sign:
Date:





Thanu – ndovhololo ya mutanganyo wa u swika kha 20



Itani zwigwada zwa zwiṭanuzwiṭanu ni ṅwale fhungombalo.

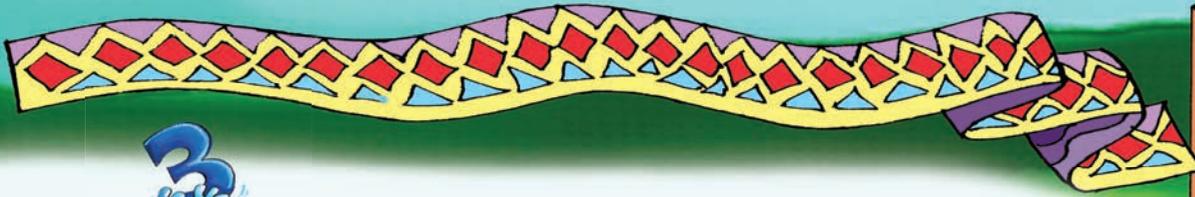


Olani zwigwada zwa zwivhumbeo ni tshi sumbedza mafhungombalo.

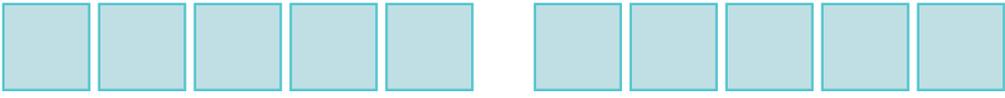
$$5 + 5 + 5 = \square$$

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

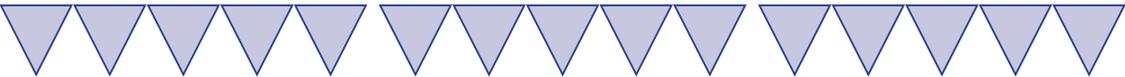


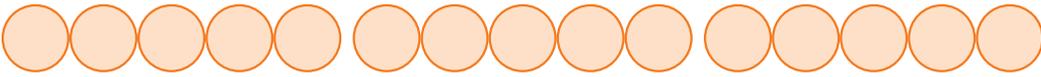


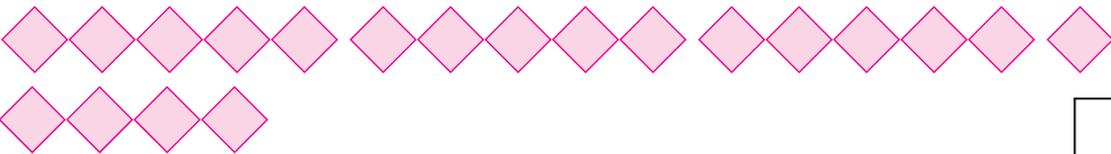
Nwalani fhungombalo la zwi tevhelaho.



 $5 + 5 =$









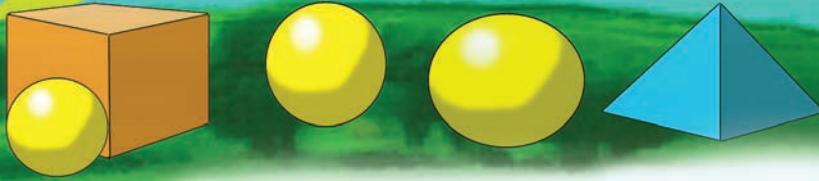
Ndi lungana hune na vhala nomboro thanu? _____

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



Hu na zwanda zwa 3 kha fasitere. Hu na minwe mingana kha fasitere?
Olani tshifanyiso ni nwale fhungombalo.





U kovhekana u swika kha 20

Themo ya 4



Kovhelani khonani t̄hanu maḷegere.
Muḷwe na muḷwe wavho u ḍo wana maḷegere mangana?

Muḷwe na muḷwe wavho u ḍo wana maḷegere a

Muḷwe na muḷwe wavho u ḍo wana maḷegere a

Muḷwe na muḷwe wavho u ḍo wana maḷegere a

Muḷwe na muḷwe wavho u ḍo wana maḷegere a

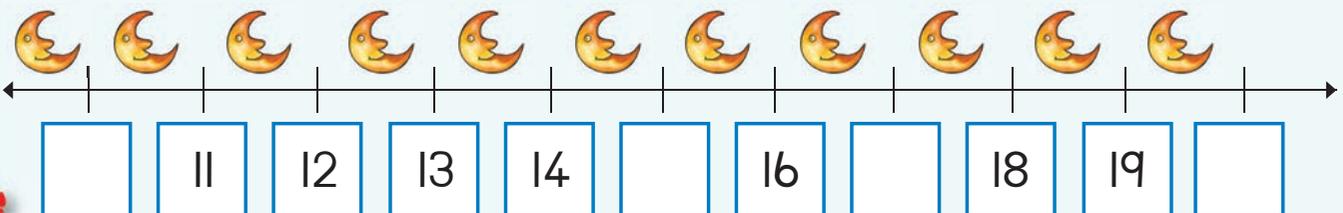


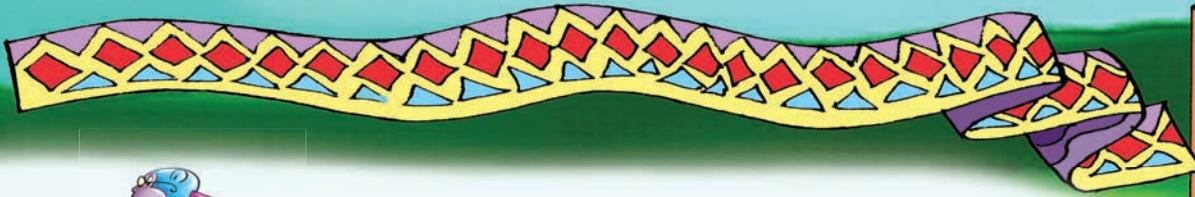
Khalaḷarani nyandiso dza t̄hanu.

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



Ḽwalani nomboro dzi no khou t̄ahela.





Itani nyolo ni tshi sumbedza zwi tevhelaho.
Hu na zwivhaleli zwo salaho?

<p>Kovhelani vhana vhaṭanu zwivhaleli zwa 10.</p> <p>Ho sala zwivhaleli zwa <input type="text"/>.</p>	<p>Kovhelani vhana vhaṭanu zwivhaleli zwa 6.</p> <p>Ho sala zwivhaleli zwa <input type="text"/>.</p>
<p>Kovhelani vhana vhaṭanu zwivhaleli zwa 11.</p> <p>Ho sala zwivhaleli zwa <input type="text"/>.</p>	<p>Kovhelani vhana vhaṭanu zwivhaleli zwa 16.</p> <p>Ho sala zwivhaleli zwa <input type="text"/>.</p>



Nwalani fhungombalo la zwi tevhelaho:

$5 + 5 =$



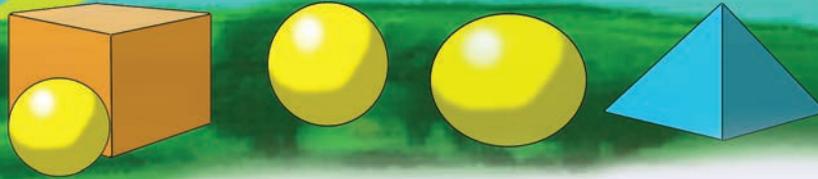






Teacher: _____
Sign: _____
Date: _____





Phetheni dza nomboro – ṭhanu u swika kha 100



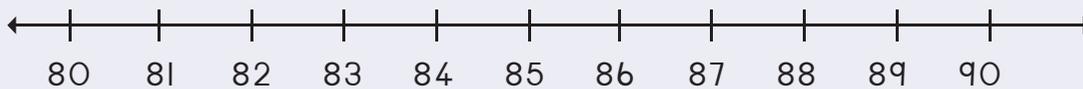
Fhedzisani phetheni nga u khalara nyandiso dza ṭhanu.

71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

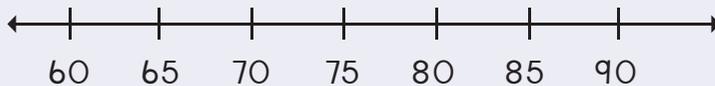


Olani dzihupu ni tshi sumbedza zwi tevhelaho:

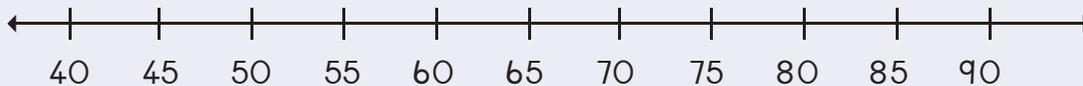
86, 88, 90



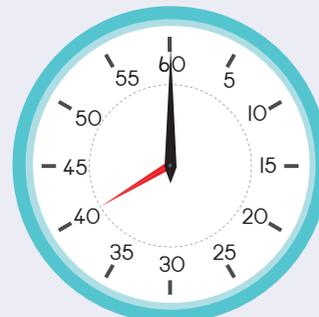
70, 75, 80



55, 60, 65, 70

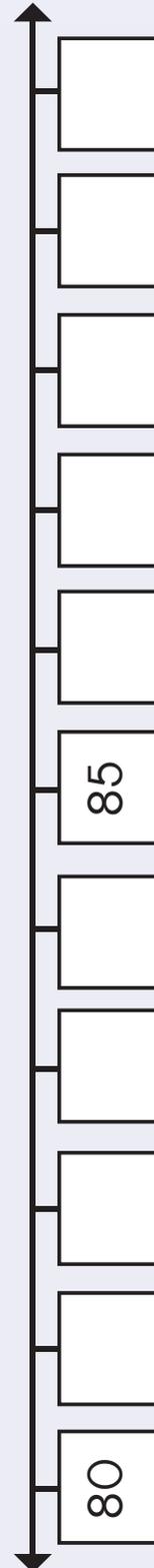
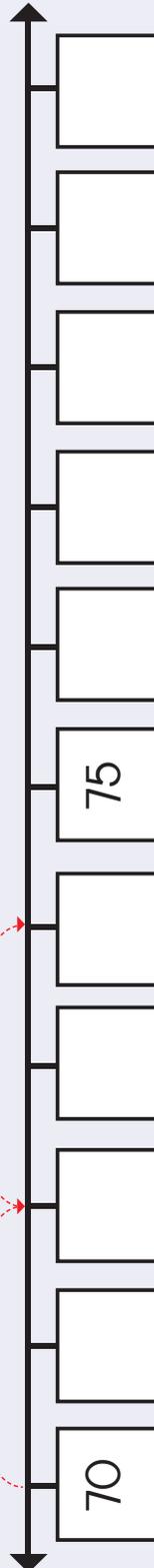
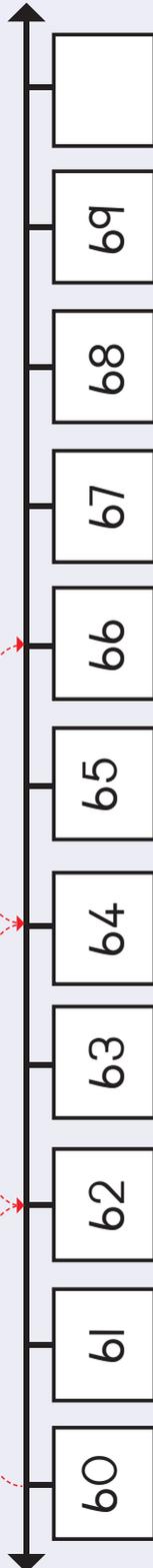


Shumisani watshi kha u sumbedza u vhala miminete nga miṭanumiṭanu.





Gerani nomboro dzi no khou t̄ahela kha Tshigeriwa 2
ni dzi vhee kha mutalombalo.
Ni ite na u fhedzisa dzihupu.

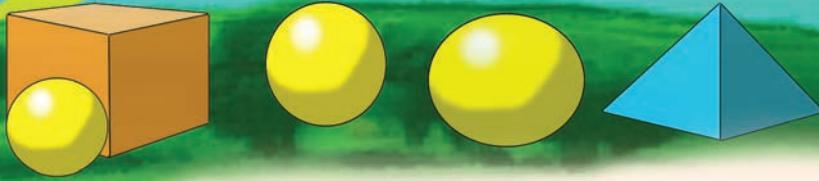


Teacher:

Sign:

Date:





Vhuimo na mbonalo

Themo ya 4



Livhanyani phanda na murahu ha tshipuka tshiñwe na tshiñwe.

Phanda



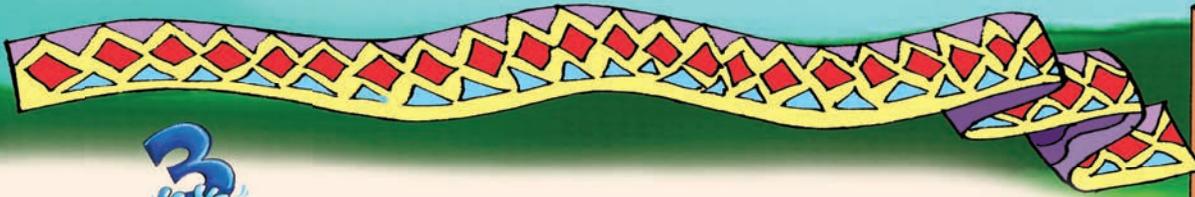
Murahu



Tangedzelani musevhe u no yelana na musevhe u re tshibulokoni tsha lutombo.

↑	→	←	↑	↓
↓	↑	↓	→	←
←	→	←	↑	↓
→	↑	←	↓	→





Khalarani mbonalo yone.



Mbonalo ya nga nt̄ha

Mbonalo ya nga matungo

Mbonalo ya nga phanda



Mbonalo ya nga nt̄ha

Mbonalo ya nga matungo

Mbonalo ya nga phanda



Mbonalo ya nga murahu

Mbonalo ya nga matungo

Mbonalo ya nga phanda



Tshimange tshi ngafhi?
Khalarani phindulo i re yone.



Nga murahu

Nga phanda

Tsini na



Nga murahu

Nga phanda

Tsini na



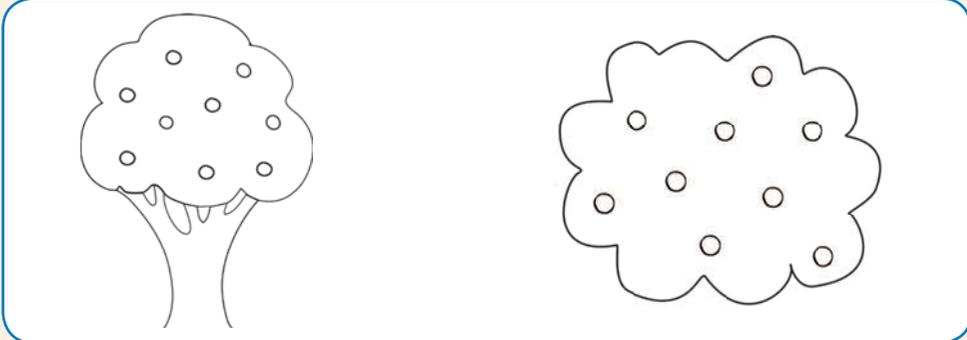
Nga murahu

Nga phanda

Tsini na

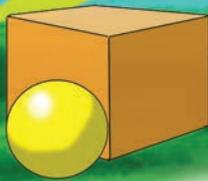


Lavhelesani zwifanyiso
zwa muri.
Khalarani mbonalo ya
nga nt̄ha.



Teacher:
Sign:
Date:





Zwigwada zwa mbili u swika kha 20

Themo ya 4



Itani zwigwada zwa zwihilizwihili. Nwalani uri hu na zwigwada zwingana.

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

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

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

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

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

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

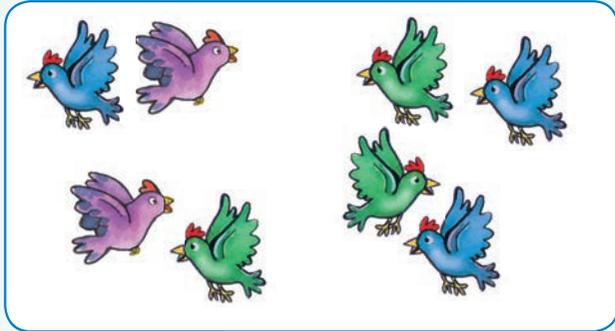


Itani zwigwada zwa zwihili. Olani zwigwada.





Fhindulani mbudziso.



Hu na zwiṅoni zwingana?

Ni nga ita zwigwada zwingana zwa zwi vhili?

Ṓwalani fhungombalo.



Itani zwi tendeledzi ni tshi vhumba zwi tevhelaho.

Zwigwada zwa 7 zwa 2

Zwigwada zwa 8 zwa 2

Zwigwada zwa 9 zwa 2

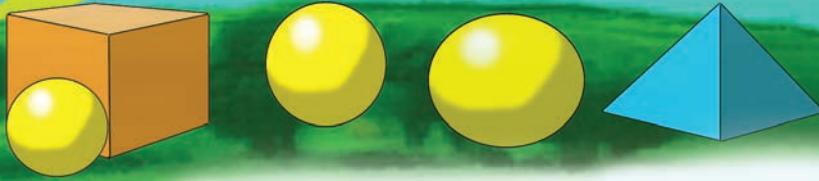
Zwigwada zwa 10 zwa 2



Ṓwalani fhungombalo la zwi tevhelaho.



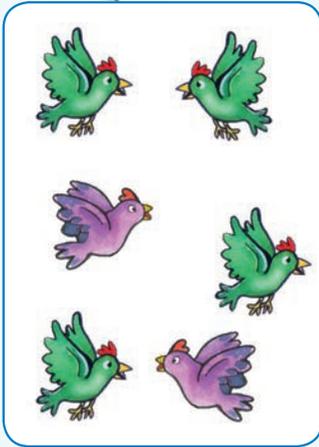
Teacher: _____
Sign: _____
Date: _____

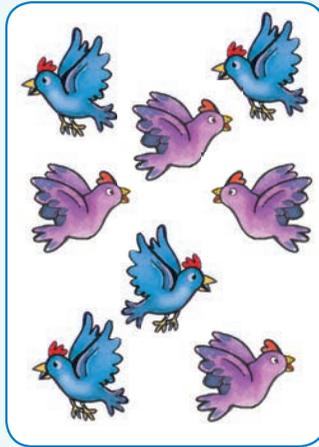


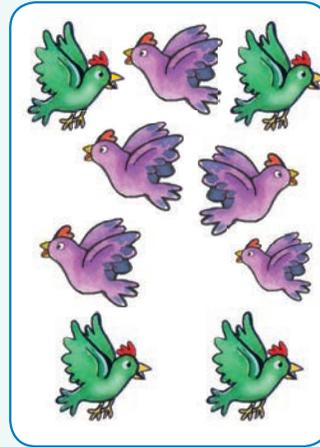
Mbilimbili – ndovhololo ya mutanganyo u swika kha 20

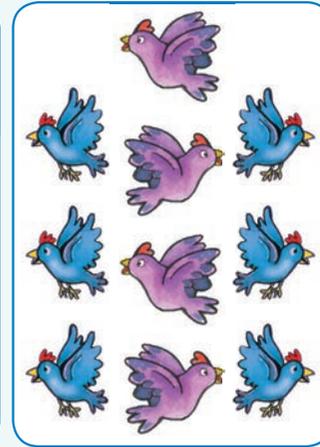


Hu na milenzhe mingana? Nwalani fhungombalo la tshifanyiso tshinwe na tshinwe.











Olani zwivhumbeo zwa zwi tevhelaho:

$$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$$

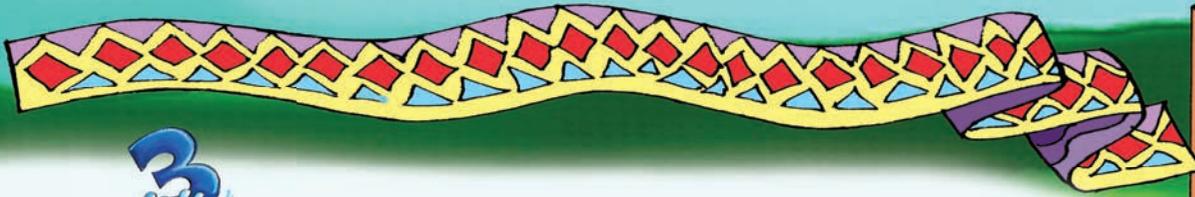


$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \square$$

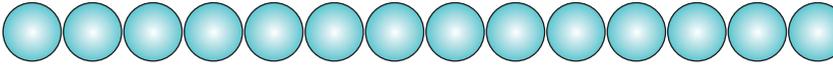
$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \square$$

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

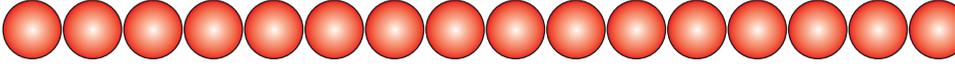


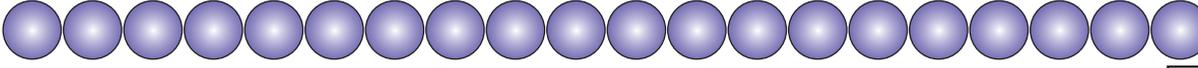


Nwalani fhungombalo la zwi tevhelaho:



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









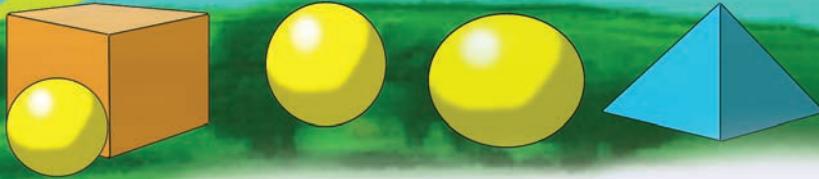
Khalarani nyandiso dza mbili.

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



Ndi na phakethe dza 6 dzi re na malegere a 2 kha inwe na inwe.
 Ndi na malegere mangana? Olani tshifanyiso ni nwale fhungombalo.

Ndi na malegere a .



Phetheni dza nomboro – mbili u swika kha 100



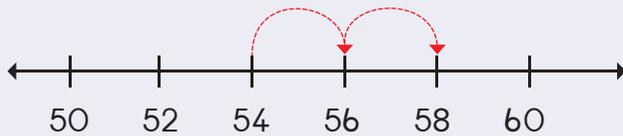
Fhedzisani phetheni nga u khalara nomboro dzone.

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

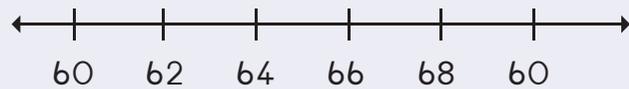


Olani dzihupu ni tshi sumbedza zwi tevhelaho:

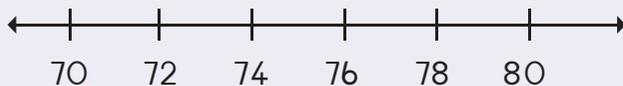
54, 56, 58



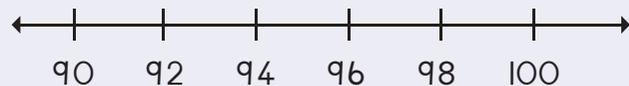
64, 66, 68



74, 76, 78



94, 96, 98

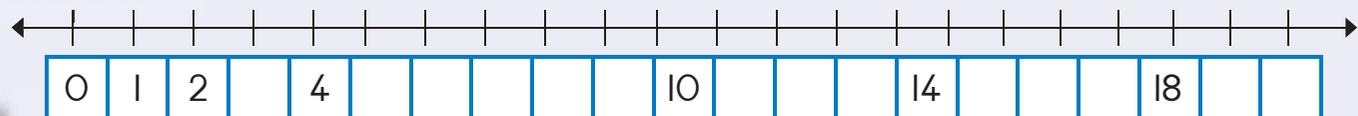


Nwalani nomboro dzi no khou tshela. Khalarani phetheni: 2, 4...

I		3				7			10
II						17			20

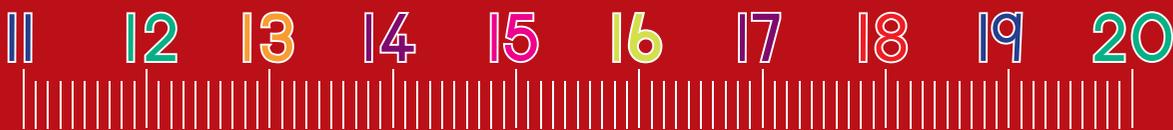
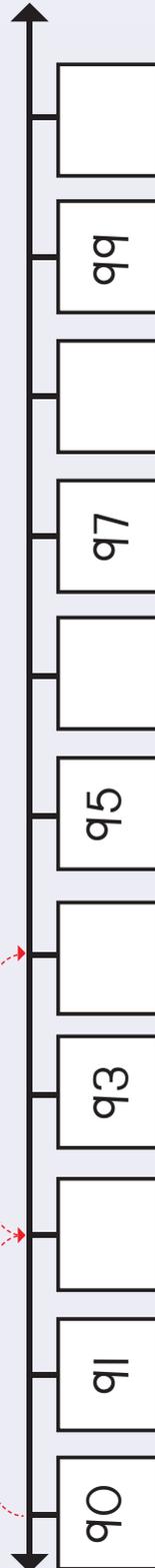
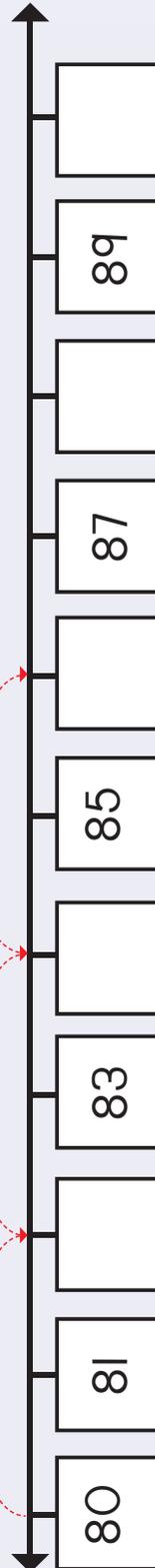
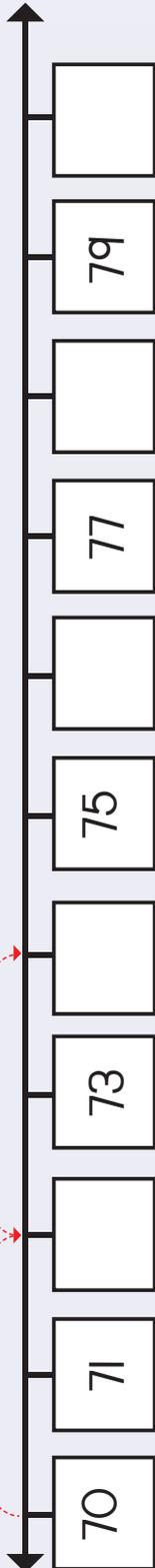
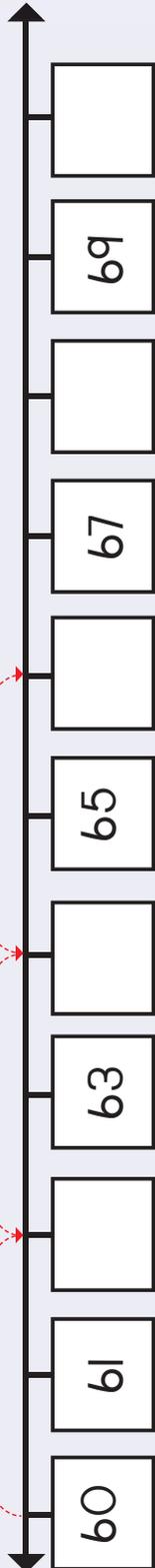


Fhedzisani mutalombalo.





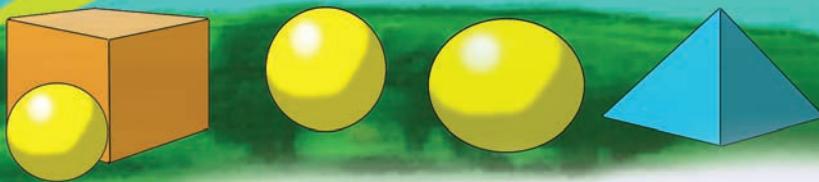
Gerani nomboro dzi no khou t̄ahela kha
Tshigeriwa 2 ni dzi vhee kha mutalombalo.
Ni ite na u fhedzisa dzihupu.



Teacher: _____
Sign: _____
Date: _____



120

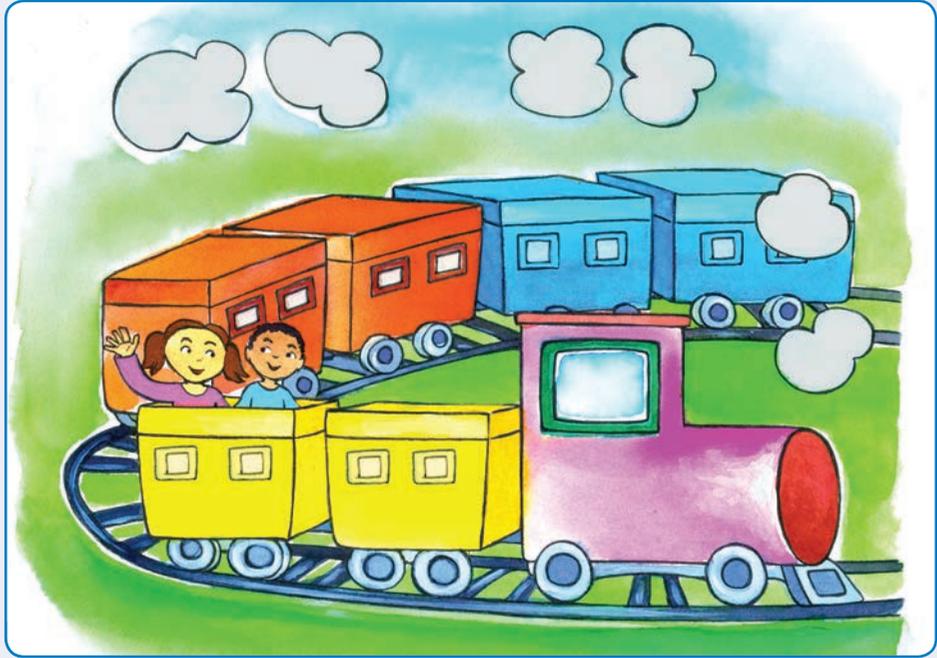


Phetheni dza nomboro – mbili u swika kha 100

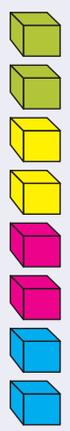
Themo ya 4



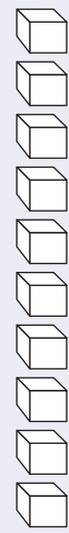
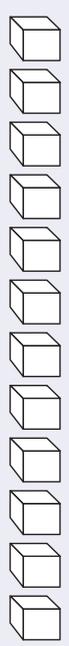
Ni a kona u vhana phetheni ya zwivhilizwihili?



Khalarani zwibuloko ni tshi sumbedza zwigwada zwa zwivhilizwihili. Vhalani uri hu na zwigwada zwingana.

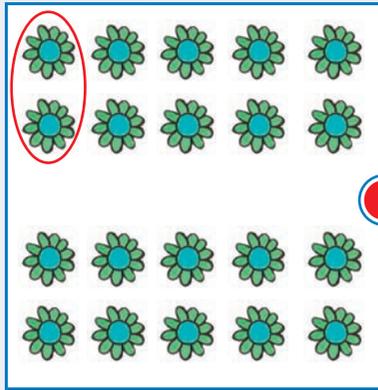


4

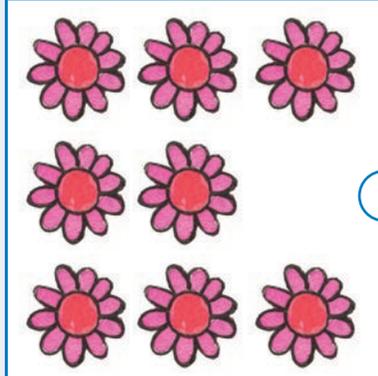




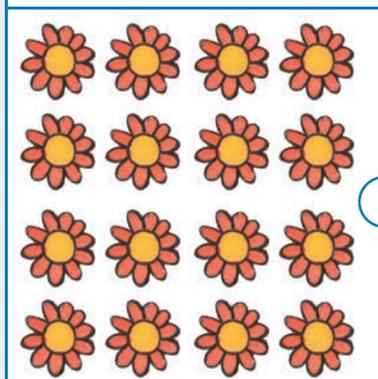
Livhanyani zwigwada zwa zwivhilizwivhili na fhungombalo nge na tala mutalo.



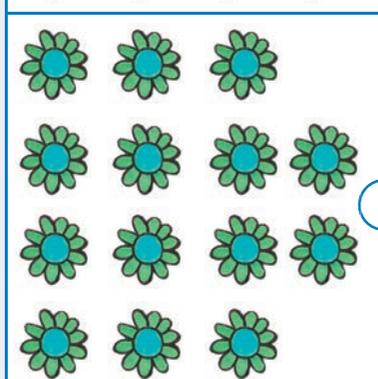
$$2 + 2 + 2 + 2 = 8$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$$

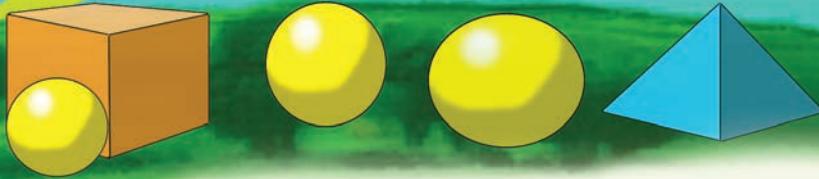


$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$$



Teacher:
Sign:
Date:



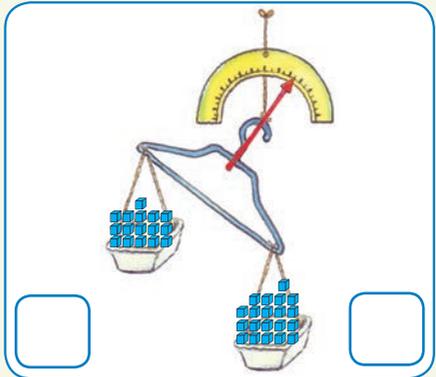
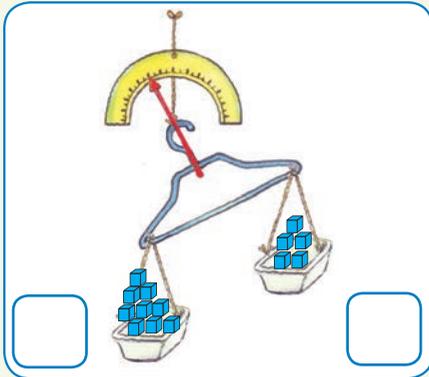
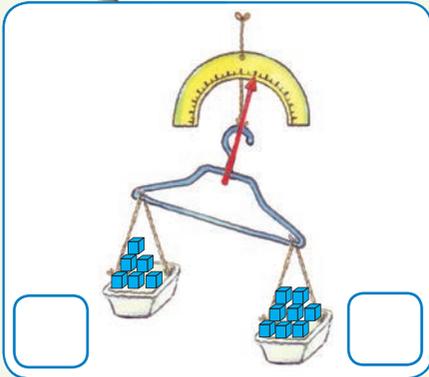


Tshileme

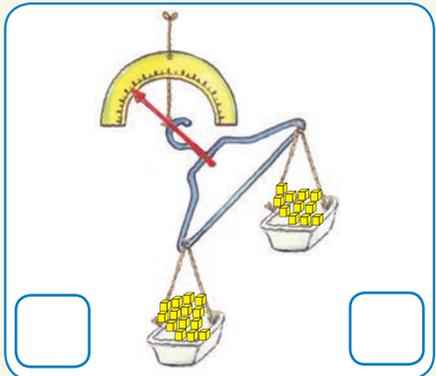
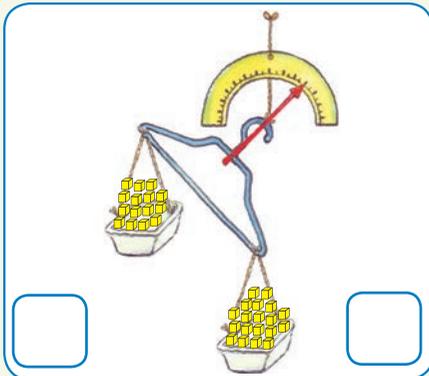
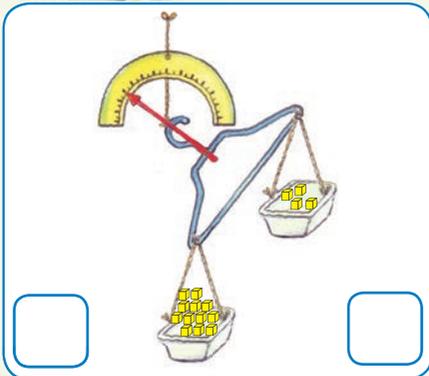
Themo ya 4



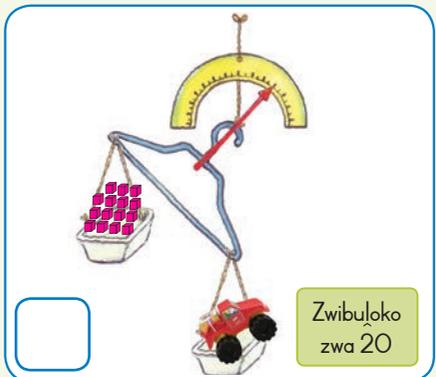
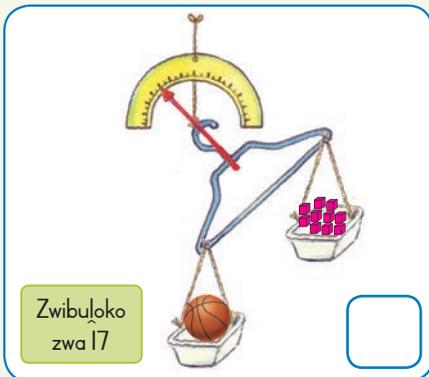
Nwalani uri hu na zwiḅuḅoko zwingana kha tshifaredzi tshinwe na tshinwe. Tangedzelani tshifaredzi tshi no lemelesa.



Nwalani uri hu na zwiḅuḅoko zwingana kha tshifaredzi tshinwe na tshinwe. Tangedzelani tshifaredzi tshi no leluwesa.

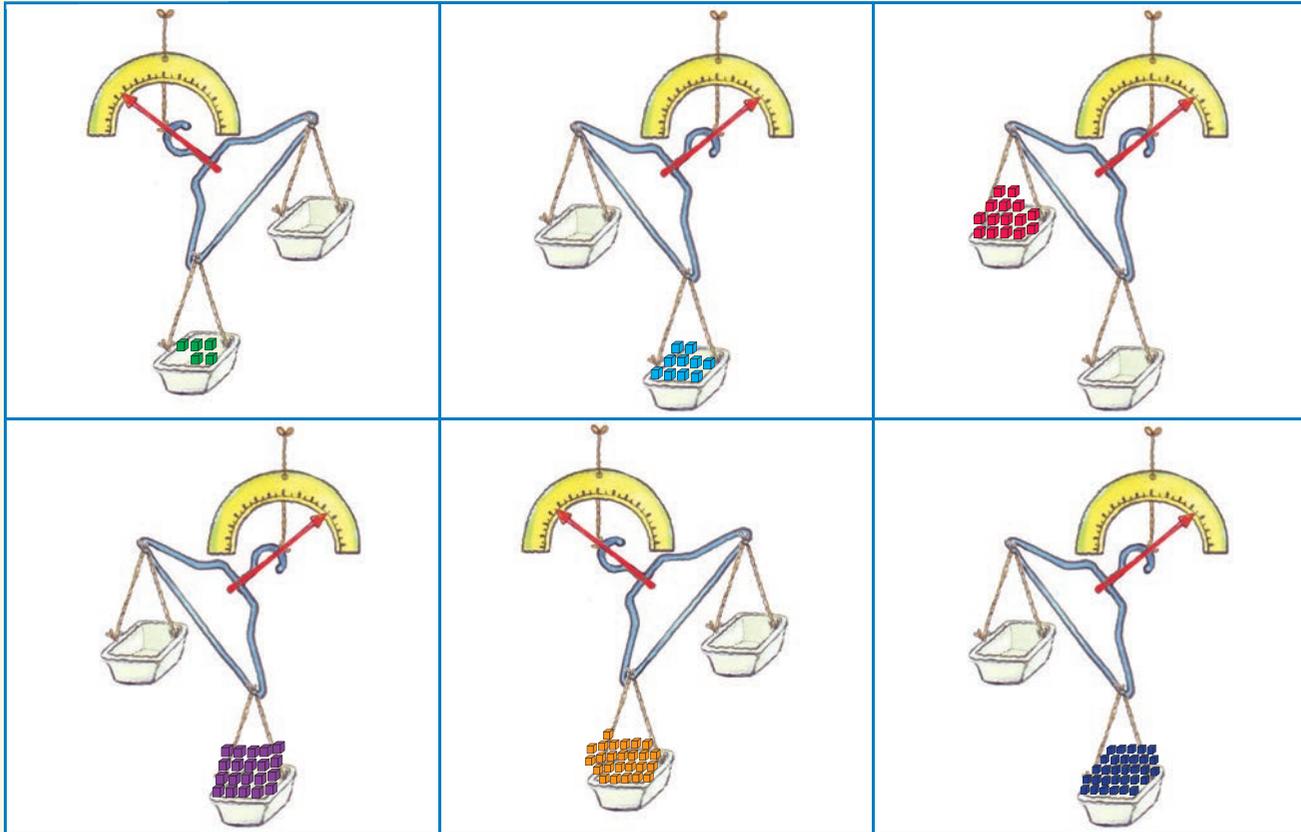


Vhalani uri hu na zwiḅuḅoko zwingana. Ni wane uri hu tōdeḅa zwiḅuḅoko zwingana zwa u engedza nga nṯha u itela u balantsa thoyi. Ro ni vhudza uri thoyi i lemela zwiḅuḅoko zwingana.





Olani tshithu tshine tsha lamelesa kana tsha leluwesa u fhira zwibuloko.



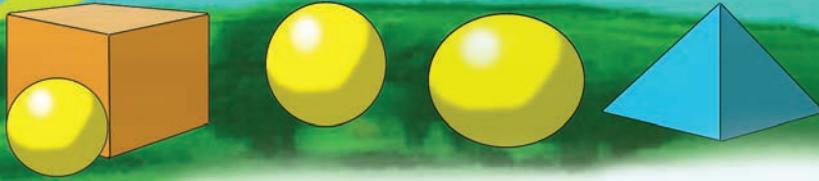
Shumisani zwithu zwa 5 zwi re disikeni yanu. Thomani nga u anganyela uri zwi lemela vhugai ni kole u zwi kala kha tshikalalo kana tshikalotshilinganyisi u itela u vhona arali nyanganyelo yanu i yone.

Olani tshithu	Humbulelani	Tshileme	Phambano
	zwibuloko zwa ___	zwibuloko zwa ___	___ - ___ = ___



Teacher: _____
 Sign: _____
 Date: _____





U inga kavhili

Themo ya 4



Fhindulani zwi tevhelaho:

Hu na zwi kwea zwingana?

Hu na zwingana zwino?

Ri ri 12 yo ingwa kavhili ndi 24.

Hu na milenzhe mingana?

Hu na milenzhe mingana zwino?

Ri ri 6 yo ingwa kavhili ndi

Hu na zwikitili zwingana?

Hu na zwikitili zwingana zwino?

Ri ri 10 yo ingwa kavhili ndi

Hu na maḍuvha mangana kha vhege?

S	M	T	W	T	F	S

Hu na maḍuvha mangana kha vhege mbili?

S	M	T	W	T	F	S

Ri ri 7 yo ingwa kavhili ndi

Hu na khirayoni nngana?

Hu na khirayoni nngana zwino?

Ri ri 8 yo ingwa kavhili ndi





Nwalani phindulo.

Nyingakavhili ya 4	=	8 
Nyingakavhili ya 10	=	
Nyingakavhili ya 11	=	
Nyingakavhili ya 2	=	
Nyingakavhili ya 6	=	



Nwalani phindulo.

Nyingakavhili ya mbili ndi	ina 
Nyingakavhili ya raru ndi	
Nyingakavhili ya ina ndi	
Nyingakavhili ya thanu ndi	
Nyingakavhili ya rathi ndi	
Nyingakavhili ya sumbe ndi	



Fhedzisani thebulu.

$9 + 9 + 1 =$ <input type="text"/>	kana	Ho ingwa kavhili $9 + 1 =$ <input type="text"/>
<input type="text"/>	kana	Ho ingwa kavhili $8 + 1 =$ <input type="text"/>
$10 + 10 + 1 =$ <input type="text"/>	kana	<input type="text"/>
$7 + 7 + 1 =$ <input type="text"/>	kana	Ho ingwa kavhili $7 + 1 =$ <input type="text"/>

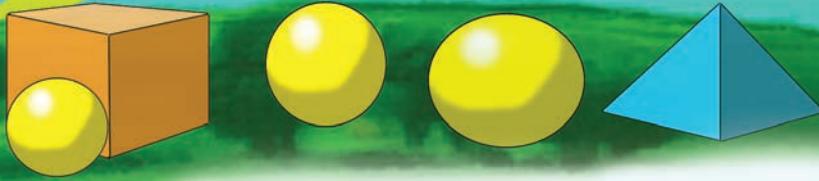


Teacher: _____

Sign: _____

Date: _____





U hafula

Themo ya 4



Findulani zwi tevhelaho:

Hu na zwickwea zwingana?

Hu na zwickwea zwingana zwino?

Ri ri hafu ya 24 ndi 12.

Hu na milenzhe mingana?

Hu na milenzhe mingana zwino?

Ri hafu ya 12 ndi

Hu na zwickitili zwingana?

Hu na zwickitili zwingana zwino?

Ri hafu ya 20 ndi

Hu na maḍuvha mangana kha vhege mbili?

S	M	T	W	T	F	S	S	M	T	W	T	F	S

Hu na maḍuvha mangana kha vhege nthihi?

S	M	T	W	T	F	S

Ri hafu ya 14 ndi

Hu na khirayoni nngana?

Hu na khirayoni nngana zwino?

Ri hafu ya 16 ndi





Nwalani phindulo.

Hafu ya 8	=	4
Hafu ya 10	=	
Hafu ya 6	=	
Hafu ya 12	=	
Hafu ya 14	=	



Nwalani phindulo.

Hafu ya ina ndi	mbili
Hafu ya rathi ndi	
Hafu ya mbili ndi	
Hafu ya malo ndi	
Hafu ya fumi ndi	



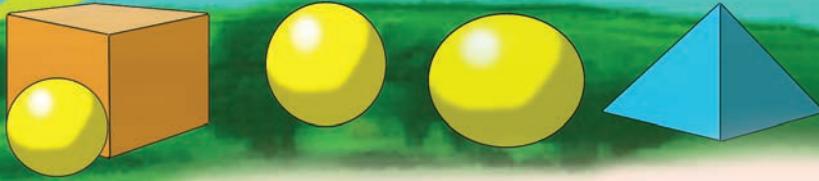
Nwalani phindulo.

Hafu ya 10 ndi	5
Hafu ya 12 ndi	
Hafu ya 14 ndi	
Hafu ya 16 ndi	
Hafu ya 18 ndi	



Teacher:
Sign:
Date:



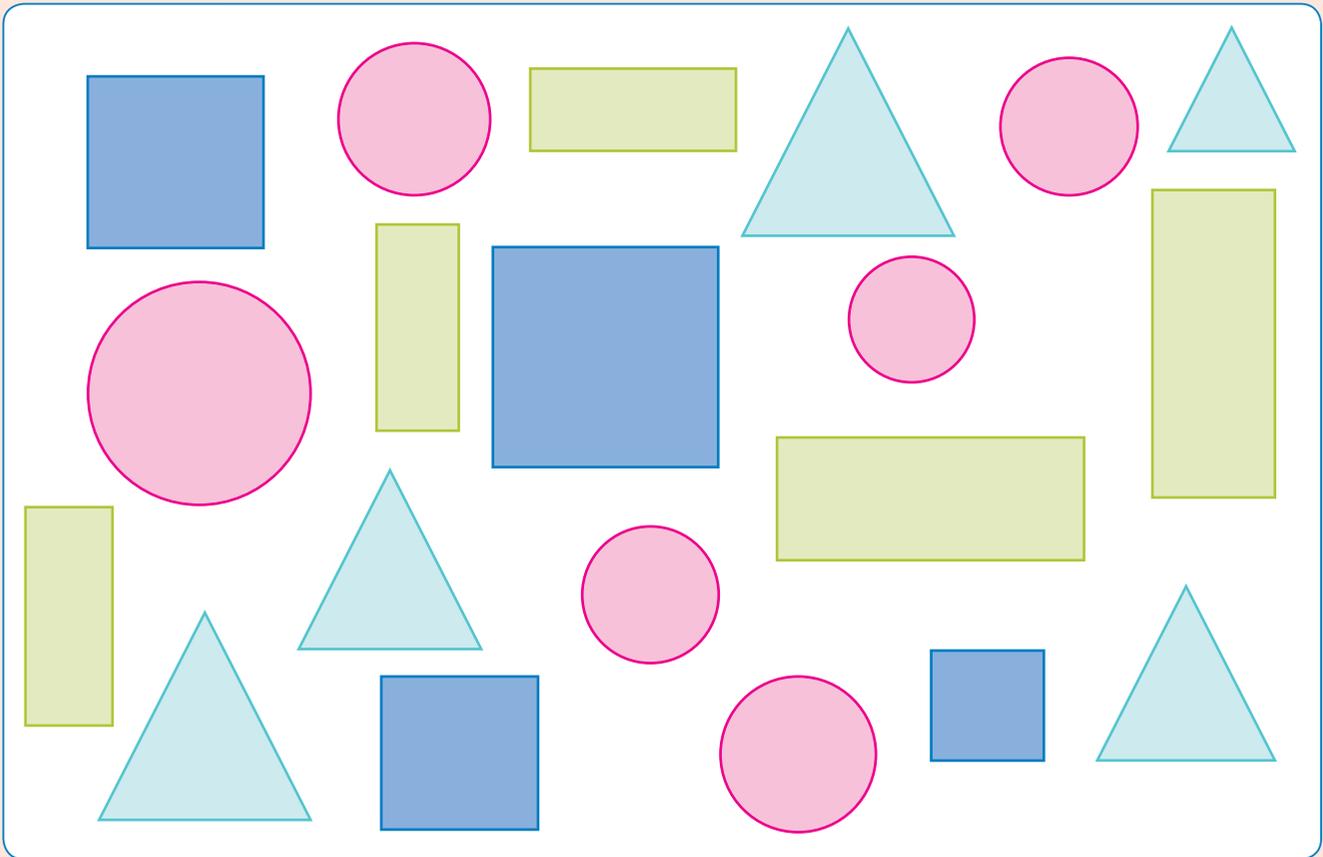


Data

Themo ya 4



Vhalani uri hu na zivhumbeo zwingana zwo fhambananaho, ni kone u fhindula mbudziso.

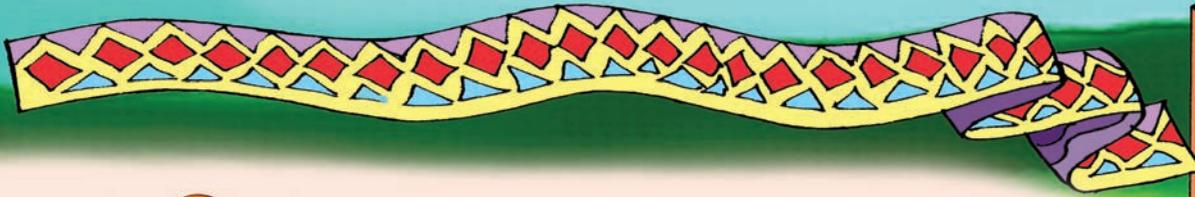


1. Hu na zwikwea zwingana? 

2. Hu na thiraiengele nngana? 

3. Hu na rekithiengele nngana? 

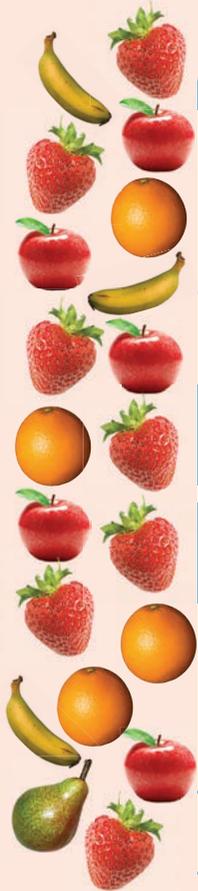
4. Hu na zwiendeledzi zwingana? 



Mitshelo iyi yo nangiwa nga khonani dzaṅu dza 20.
Vhekanyani mitshelo ni ite nyolo kha phikhitogirafu
(girafu ya zwifanyiso) ya mitshelo ye na i vhekanya ni kone u
fhindula mbudziso dzi re nga fhasi.

Mutshelo une ra u funesa?

Khii =



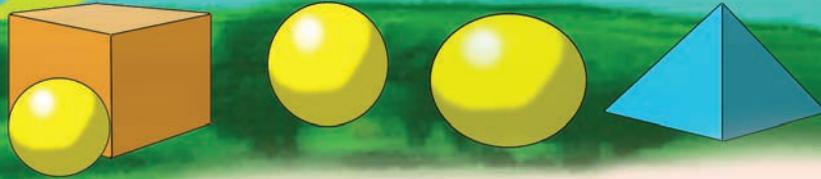
Zwiṅoroberi	Maapula	Mapiere	Miomva	Maswiri

Ndi vhana vhangana vha no funesa zwiṅoroberi?	
Ndi vhana vhangana vha no funesa maapula?	
Ndi vhana vhangana vha no funesa mapiere?	
Ndi vhana vhangana vha no funesa miomva?	
Ndi vhana vhangana vha no funesa maswiri?	
Ndi mutshelo ufhio u no funeswa nga vhana?	
Ndi mutshelo ufhio u sa funeswi nga vhana?	



Teacher:
Sign:
Date:





Data inwe hafhu

Themo ya 4



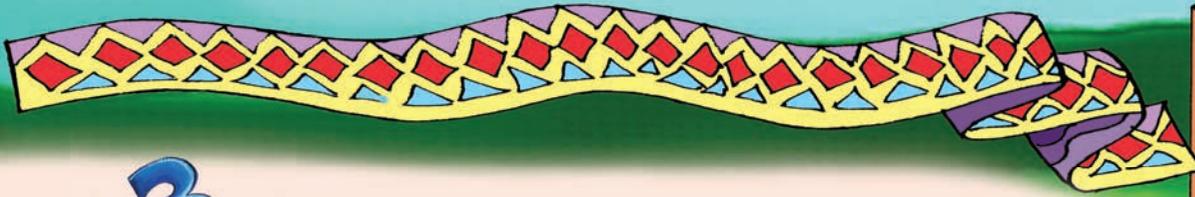
Vhana vha re kilasini vha na thoyi (zwitambiswa) dzi tevhelaho. Vha na nngana dza lushaka luñwe na luñwe?



Fhedzisani thebulu.

Thoyi	Nomboro (Tshivhalo)
Mipopi	
Matiraka	
Thedibee	
Roboto	

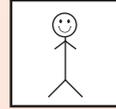




Fhedzisani phikhithogirafu nga u ola zwivhalo zwo linganaho zwa vathu vha zwitanda vho imela lushaka luñwe na luñwe lwa thoyi.

Thoyi dzi re hone

Khii =



Mipopi	Maṭiraka	Thedibee	Roboto



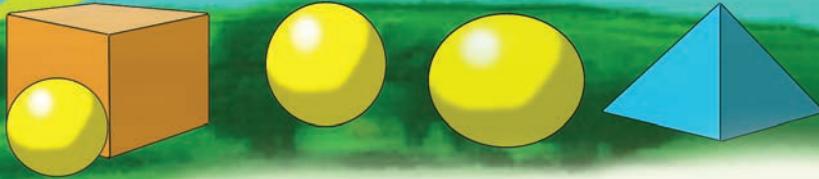
Fhindulani mbudziso. Lavhelesani phikhithogirafu uri i ni thuse.

Ndi vhana vhangana vha re na mpopi?	
Ndi vhana vhangana vha re na ṭiraka?	
Ndi vhana vhangana vha re na thedibee?	
Ndi vhana vhangana vha re na roboto?	
Ndi thoyi ifhio i no takaleleswa?	
Ndi thoyi ifhio i sa takaleleswi?	



Teacher:
Sign:
Date:



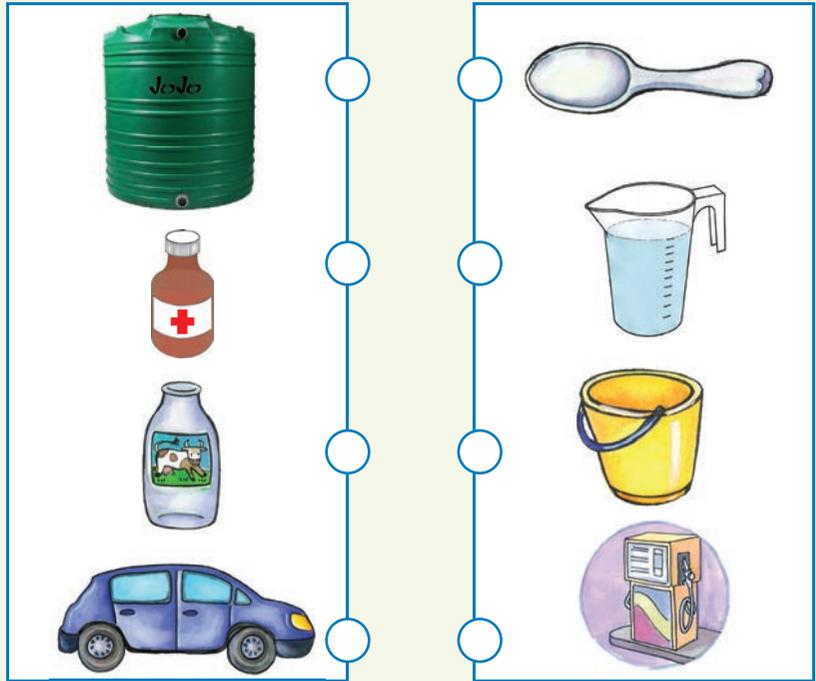


Khaphasithi (Nḡadzo)

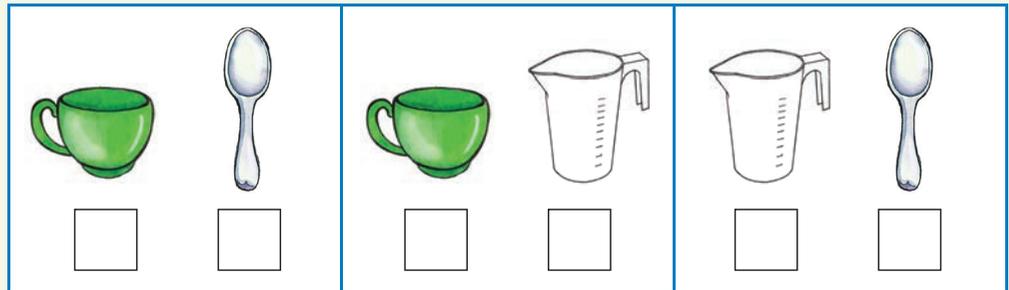
Themo ya 4



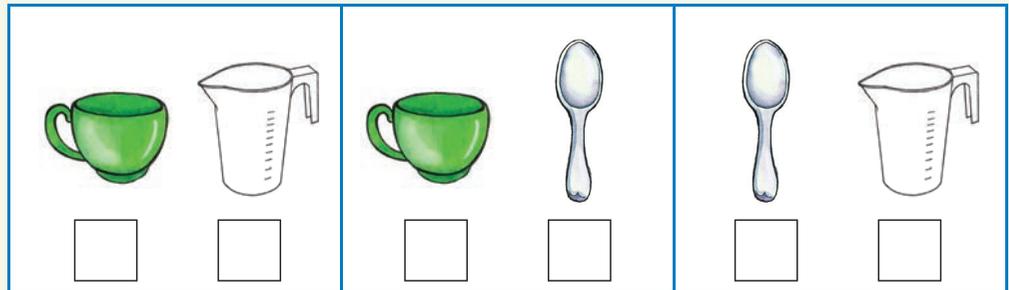
Ri ela zwiludi nga ndilade? Talani mutalo ni tshi livhanya tshithu na tshishumiswa tshone tsha u kala.



Itani thiki kha tshifaredzi (mudzio) tshi no fara zwitukutuku.



Itani thiki kha tshifaredzi (mudzio) tshi no fara zwinzhizwinzhi.

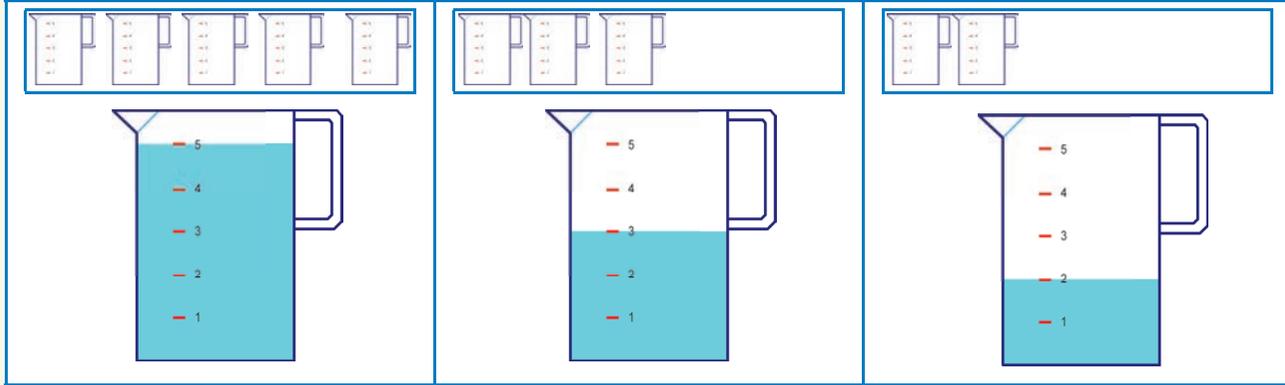


Zwifaredzi zwo ḡala kana ndi xoxoyo a zwi na tshithu? (a zwi na tshithu)

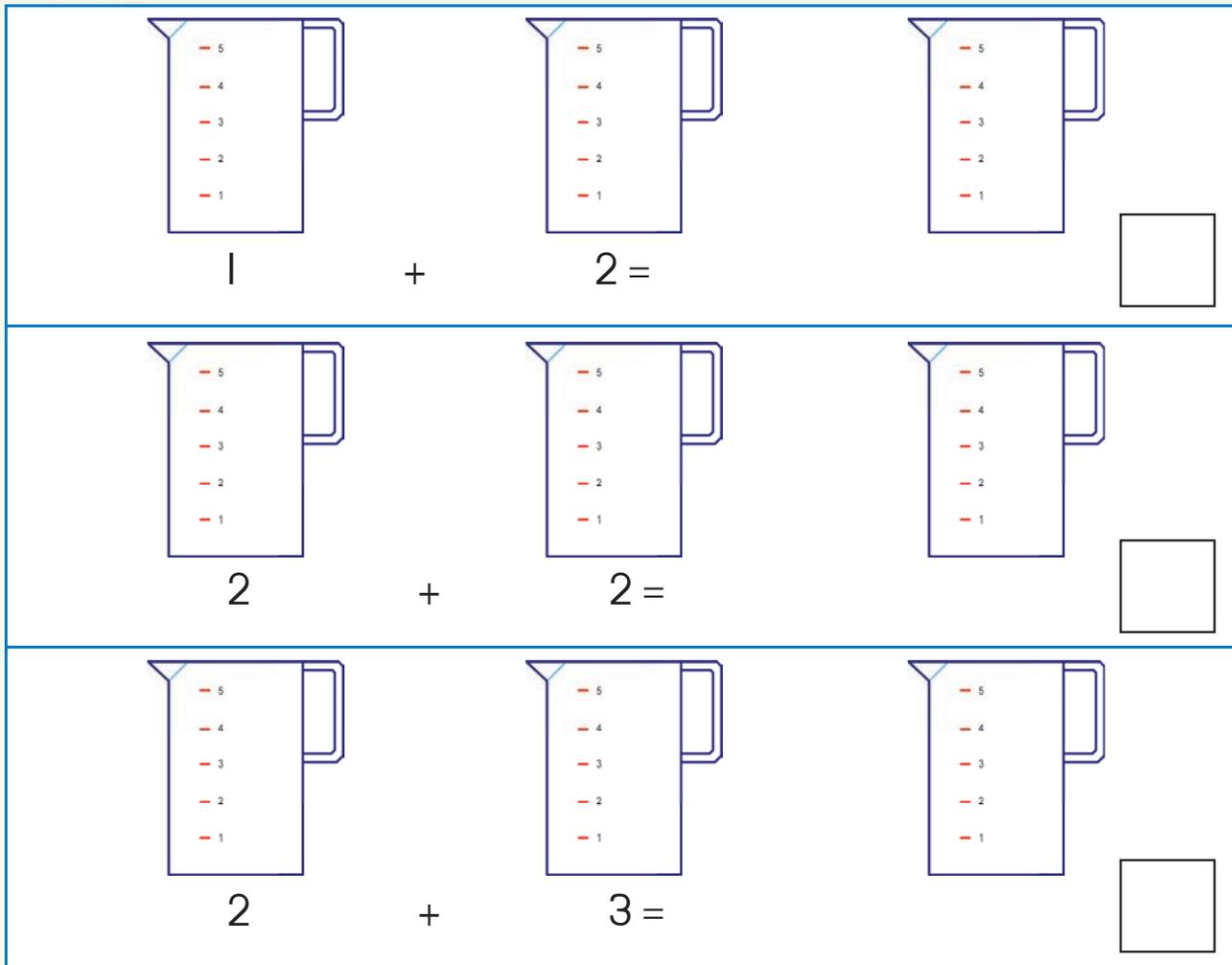




Ni tea u shumisa khaphu t̄hanu kha u ḡadza dzhege. Ndi khaphu nngana nga nt̄ha dzine na tea u shumisa kha u ḡadza idzo dzīwe dzhege mbili? Zwi oleni.

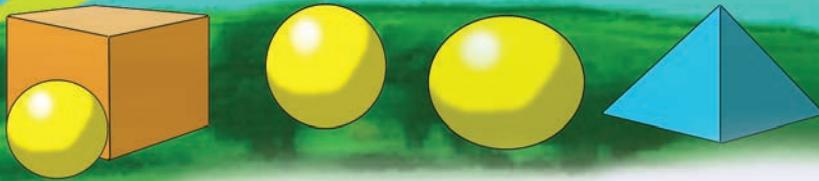


Khalarani tshivhalo tsho tsha zwilud̄i.



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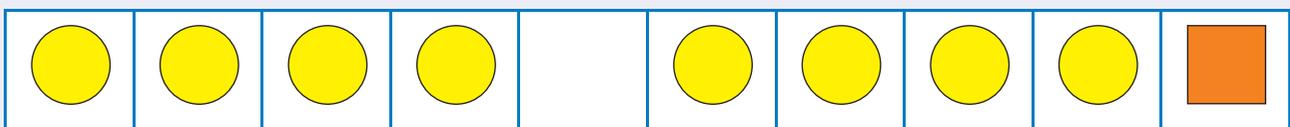
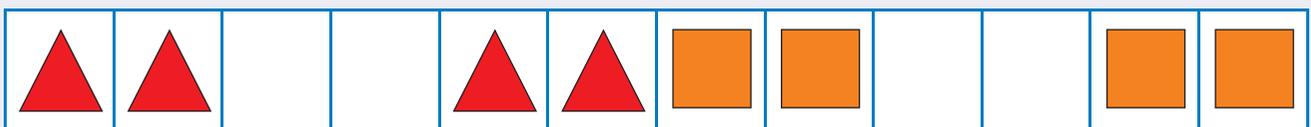
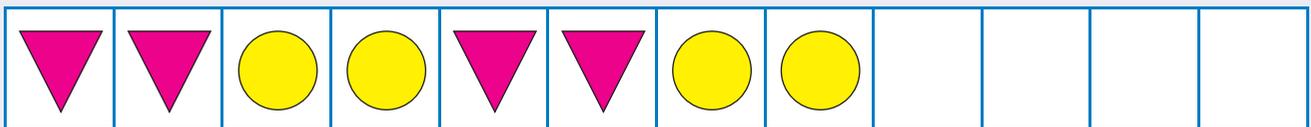
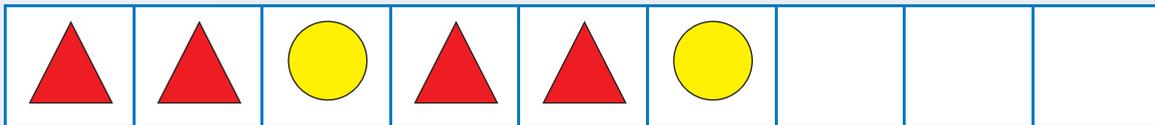


Phetheni dza dzhometiri

Themo ya 4

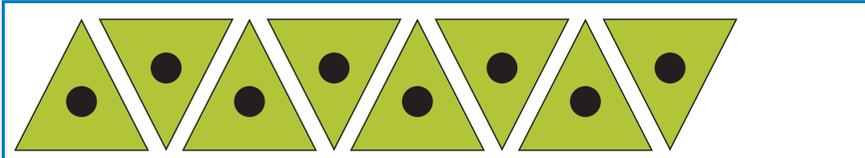


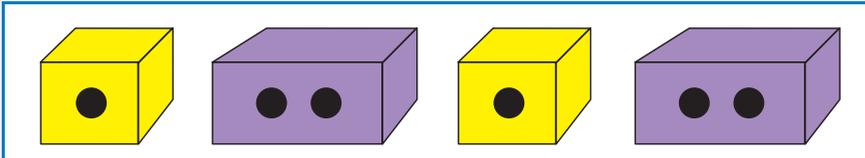
Fhedzisi phetheni.

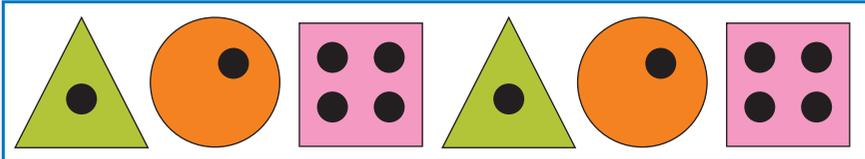


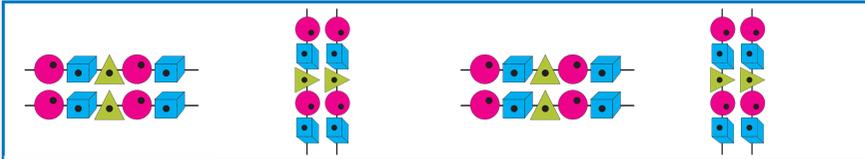


Engedzani phetheni.









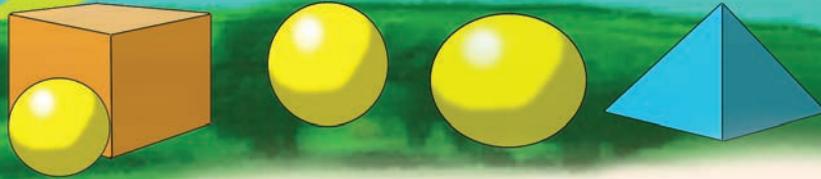


Itani phetheni dza inwi muṅe ni tshi shumisa zwitendeledzi, zwickwea na thiraiengele.



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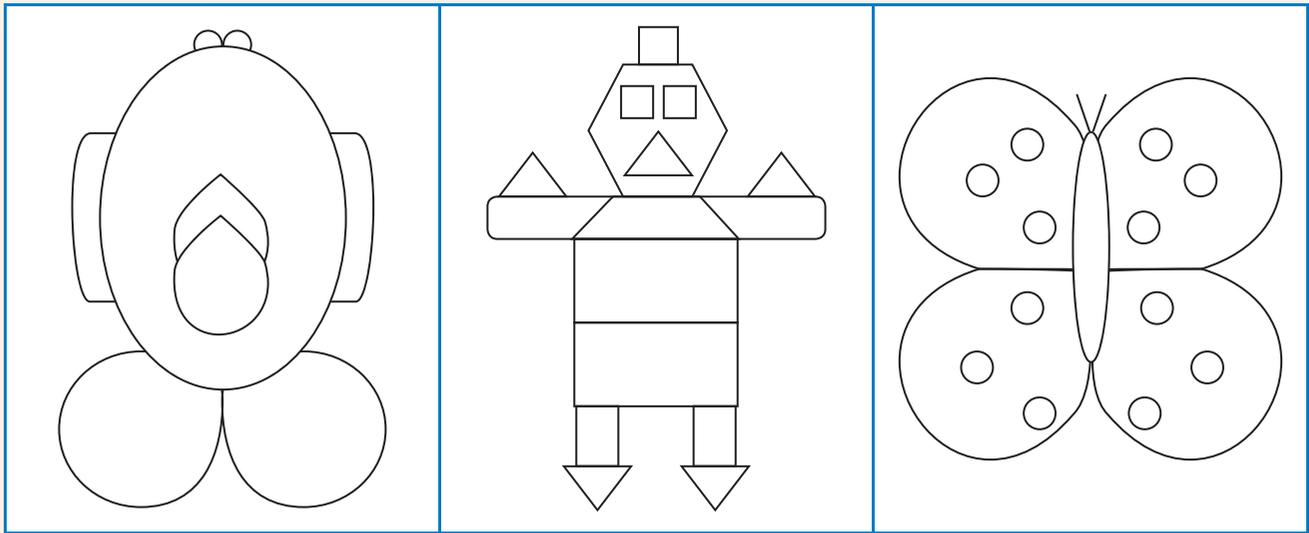


Ndinganahuvhili

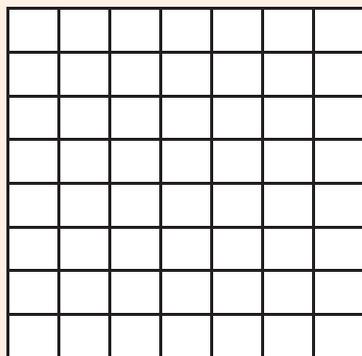
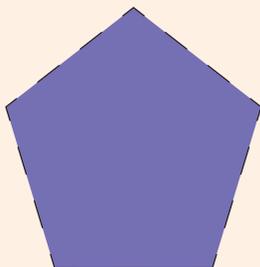
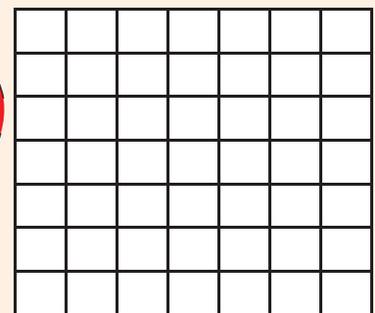
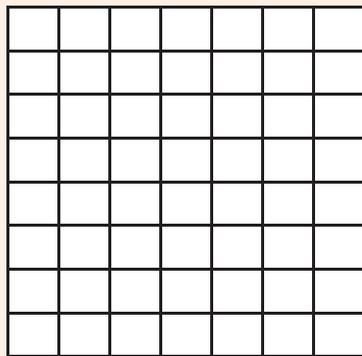
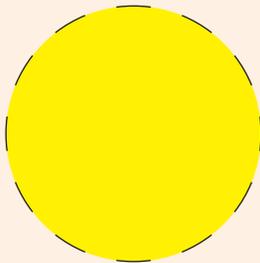
Themo ya 4

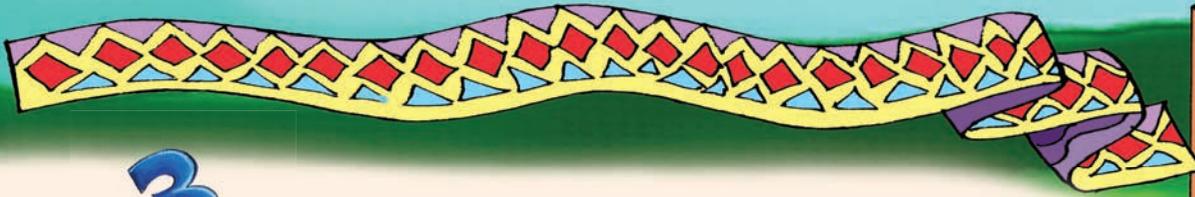


Talani mutalo wa ndinganahuvhili u no fhandula tshifanyiso tsha bva hafu mbili dzi no lingana. Khalarani hafu nthihi ya tshifanyiso tshinwe na tshinwe.



Kopololani zwivhumbeo, ni kone u tala mutalo wa ndinganahuvhili.





Fhedzisani tshifanyiso nga u ola ila inwe hafu kokotolo.

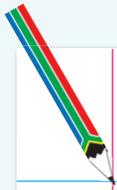


Olani ila inwe hafu ya tshivhumbeo.

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Teacher: _____
 Sign: _____
 Date: _____

Notsi



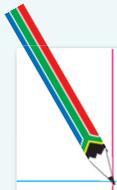
A large white rectangular area with a vertical red margin line on the left and horizontal blue lines for writing.

Notsi



A large white rectangular area with a light blue border, containing horizontal blue lines for writing. A vertical red line is positioned on the left side, serving as a margin. The writing area is currently blank.

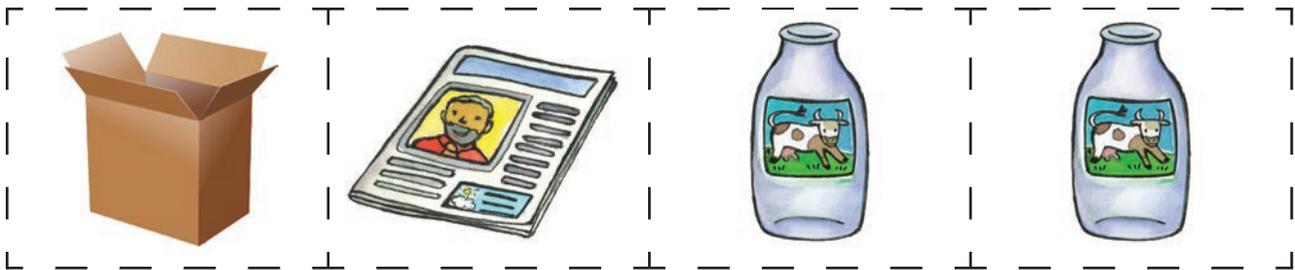
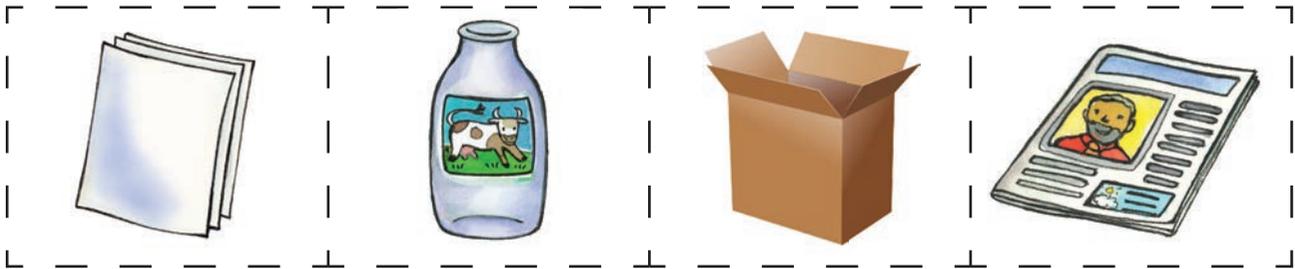
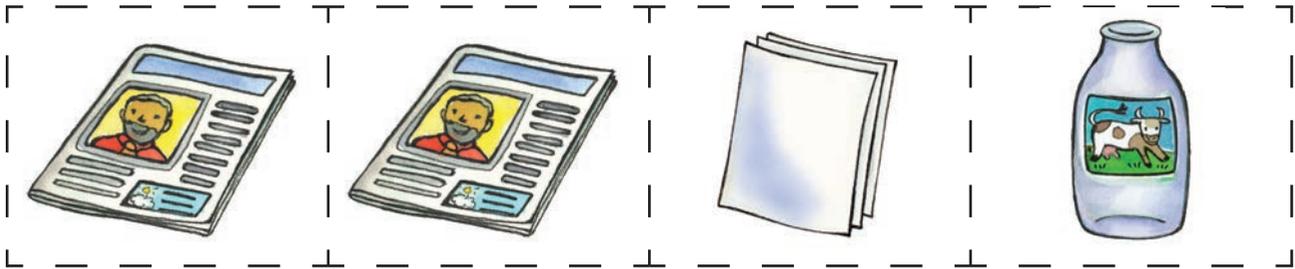
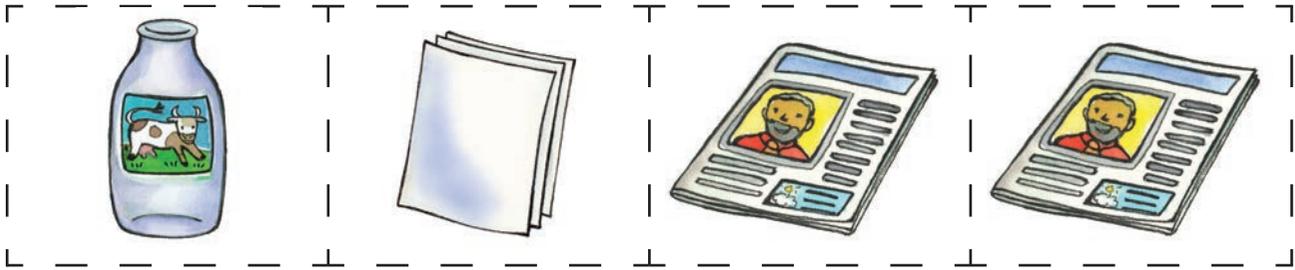
Notsi



A large white rectangular area with a vertical red margin line on the left and horizontal blue lines for writing.

Cut-out 1

Worksheet 79





Cut out cards 2

Worksheet 83

45	50	40	40	30	35
----	----	----	----	----	----

Worksheet 84

70	65	75	80	70	60
----	----	----	----	----	----

Worksheet 93

34	46	40	44	36	50	32		
42	48	38						
62	74	66	68	64	76	80	72	78

Worksheet 115

72	78	82	84	86	74	80
76	88	90				

Worksheet 119

62	72	64	74	86	66	78	80	68
82	94	86	90	84	96	100		
92	98	88						

