

5

DIVHAMBALONGA TSHIVENDA – Gireidi ya 3 Bugu ya |



DIVHAMBALONGA TSHIVENDA

Bugu ya 1
Themo 1 & 2

basic education

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U ǂalukanya Mulayotewa (Ndayotewa) wa Riphabułiki ya Afrika Tshipembe (1996)

Milayo ya n̩hesa ya shango i wanala kha Mulayotewa (Ndayotewa) wa Riphabułiki ya Afrika Tshipembe (1996). Milayo iyi i na maanđa u fhira na muphuresidennde, maanđa ayo a fhira a dzikhothe na a muvhuso wothe.

Ndi milayo ine ya laya vhathu vha l̩jino shango uri vha tea u farana nga ndilade. Mulayotewa wa shango wo itelwa u tsireledza ro̩te ri no khou tshila zwino na vhana vhushu vhane vha kha d̩i d̩a.

Talukanyani hune ra bva hone. Ri songo dovha vhukhakhi ha mulovha. Mulayotewa washu u ri thusa uri ri elekanye nga vhumatshelo ha khwiqe ha ro̩te khathihi na u vhu fha̩ta.

Riñe, vhathu vha Afrika Tshipembe; Ri džihela njha u shaea ha vhulamukanyi kha tshifhinga tsho fhelaho; Ri ǂhonifa havho vhe vha tambulela vhulamukanyi na mboholowo kha shango ɻashu; Ri ǂhonifa havho vhe vha shuma vha tshi itela u fha̩ta na u bveledzia shango ɻashu; na

U tenda uri Afrika Tshipembe ndi ja vho̩te vhane vha dzula khało, vho vhofhekanywaho vha vha hutihii naho vha sa fani. Zwenezwo, nga kha vhaimeleli vho khethiわaho zwavhudi, ri khou ǂanganedza ino Ndayotewa sa wone Mulayo Muhulusa wa Riphabułiki uri u—

Fheliše khethululo ya tshifhinga tsho fhelaho na u thoma tshitshavha tshine tsho disendeka kha ndeme dza demokirasi, vhulamukanyi ha matshiliso na pfanelo dza vhuthu;

Fha̩te mitheo kha demokirasi na tshitshavha tshi re khagala hune muvhuso wo disendeka kha lufuno lwa vhathu nahone vhadzulapo vho tsireledza nga mulayo nga ndiła I linganaho;

Khwiniša ndeme ya Vhutshilo ha vhadzulapo vho̩te na u vhofholola vhukoni ha mutu muřwe na muřwe; na

Fha̩t mbumbano na demokirasi zwa Afrika Tshipembe uri ji kone u vha fhethu ho teaho sa muvhuso wo diimisaho kha muča wa tshaka.

Shumisani pfanelo dzanu sa mudzulapo wa Afrika Tshipembe ni dovhie ni vhe na vhudifhinduleli ha u tsireledza pfanelo dza vharwe. Divhani Mulayotibe Wa Pfanelo na Mulayotibe Wa Vhudifhinduleli.

Mudzimu tsireledza vhathu vhushu. Nkosi Sikele' iAfrika. Morena boloka setjhaba sa heso. God seen Suid-Afrika. God bless South Africa. Hosi katekisa Afrika.

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MATHEMATICS IN TSHIVENDA
GRADE 3 – BOOK 1
TERMS 1 & 2
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7th Edition

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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 nwalelwva 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 tshipida tsha zwe Muhasho wa Pfunzo ya Muteo wa ita zwa u khwiñsa vhukoni ha vhagudi vha Afrika Tshipembe vha gireidi dza rathi dza u ranga. Sa tshinwe tsha zwithu zwihulwane zwa Pulanetshumisi ya Muvhuso, thandela iyi yo konadzea nge ya lambedzwa lu sa vhudziswi nga Muhasho wa Gwama ja Lushaka.

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

Ri na fulufhelo lauri bugu idzi dzi do thusa vhadededzi (vhagudisi) mushumoni wavho wa u funza wa duvha linwe na linwe khathihi na u vha na vhutanzi uri vha khunyeledze kharikhulamu yothe. Ro ita nga vhuronwane uri ri sumbedze ndila vhadededzi kha nyito nge ra shumisa aikhoni dzi no sumbedza uri mugudi u tea u ita zwifthio.

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

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



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Gireidi
ya

3



NGA TSHIVENDA

Heyi bugu ndi ya:



TSHIVENDA

Bugu ya

I



Dethi:

.....

Themo ya |



U vhala, u vhekanya na u sumbedza!

Hu na naledzi nngana?

Vhambedzani phindulo



Anganyelani uri hu na naledzi nngana. _____

Zwino dzi vhaleni. _____



Wanani muwini!

Ndi nnyi o anganyelaho u fhira vhothe?

Dzhenisani madzina aqna na phindulo kha thebulu iyi.

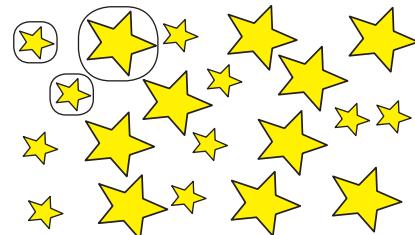
Dzina				
Anganyelani				
Nomboro dzo vhalwaho				
Phambano vhukati ha zwe na anganyela na zwe na vhala				



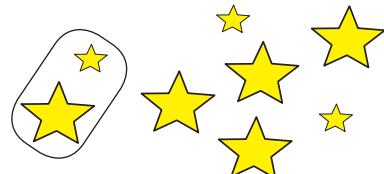
Ndila dza u vhala. Ri thuseni u i ḥwala



Ndo vhalela
nga thihi.



I, 2, 3, _____



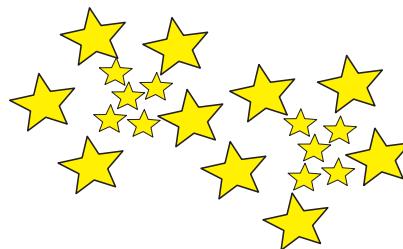
Ndo vhala
nga 2.



Ndo vhalela
nga ḥhanu



2, _____



Ndo vhalela
nga mahumi

5, _____



Nwalani mafhungombalo

Nwalani mafhungo mavhili ni tshi ṣea
ṭhanganyelo ya ḥaledzi. A nwaleni nga ndila mbili.

Musi ni tshi ḥanganya
nomboro dziñwe na dziñwe
mbili a zwi na mushumo uri
mutesvhe wadzo ndi ufhio.

Khulwane Thukhu Ngaurali

kana

ngaurali

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

nahone sa fhungombalo.

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

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

kana

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



2

Dethi:

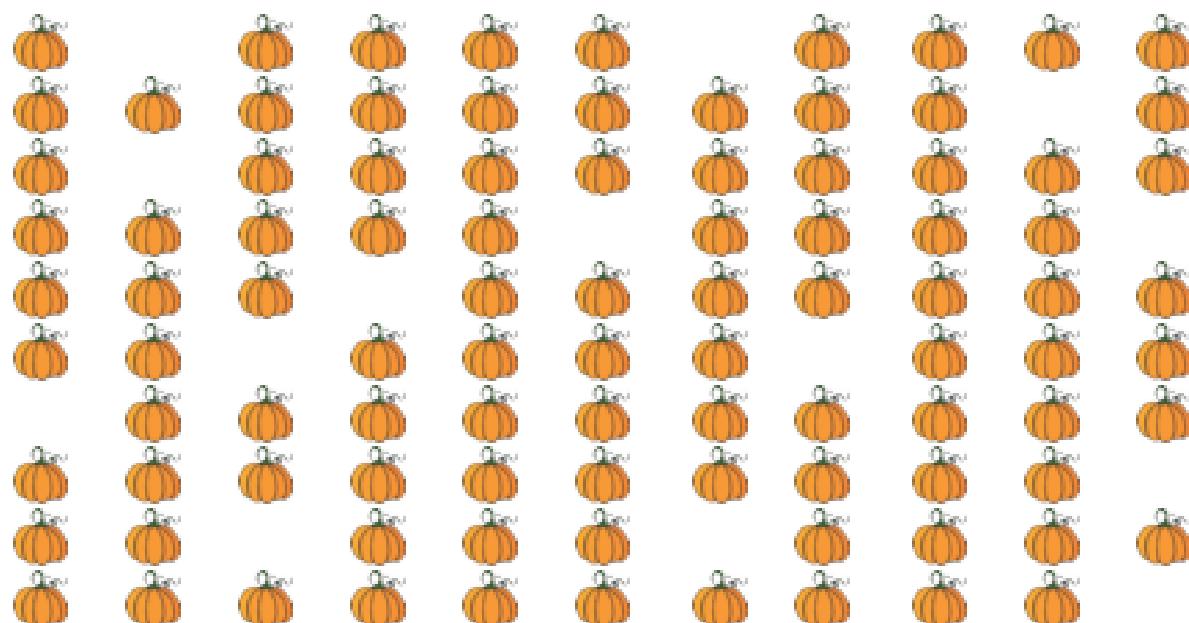
Themo ya |



U vhala nga vhutali

U vhala mafhuri

U wana ngila i leluwaho ya u a vhala.



Phindulo: _____



Upaka mafhuri

Mafhuri a fumi a dzhena sagani lithihi.



Ni nga dadza masaga mangana nga mafhuri? _____

O fhira nga mafhuri mangana? _____

Hu todea maniwe mafhuri mangana a u dadza saga linwe hafhu? _____



Ubva kha + u ya kha × (mutanganyo u ya kha muandiso)

Fhedzisani mitalombalo.

Tsumbo:

$$10 + 10 + 10 + 10 = 40 \rightarrow 4 \text{ vhusz} \text{ ha } 10 = 40 \rightarrow 4 \times 10 = 40$$



a. $10 + 10 + 10 =$

zwigwada zwa _____ zwa |O \Rightarrow _____ \times _____ = _____

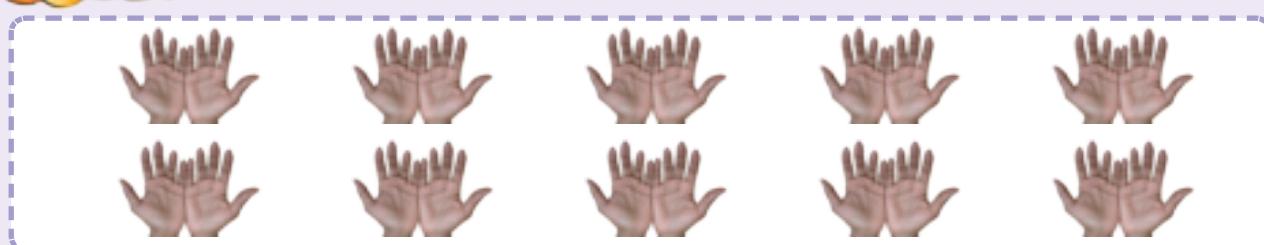


b. $10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 =$

zwiqwada zwa *zwa* | 0 \Rightarrow \times =



Zwanda na minwe



Hu na zwanda zwingana? _____

Hu na minwe minqana? _____

Nwalani phindulo yanu nga ndila dza 2.

Zwiqwada zwa ____ zwa 10 ____ = na ____ \times 10 = ____



3a

Dethi:

Themo ya |



Nomboro dzi re kha bodo ya madana

U amba nga nomboro

Vhalani na u bula nomboro dzot̄he u bva kha 1 – 100. Sumbani ni tshi khou ralo u bula.

I	2	3	4	5	6		8	9	10
II									
						27			
				34					
41									
					55				
			63						
71									
					86				
			94						100



- Ńwalani nomboro 1 no khou ṭahela kha tshibuloko tshiñwe na tshiñwe muvhala wa lutombo.
- Ńwalani idzo dziñwe nomboro.
- Nomboro dza ṭada ndi nomborode?



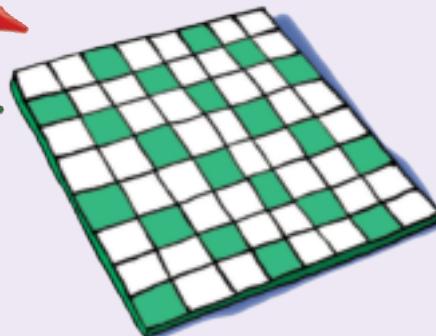
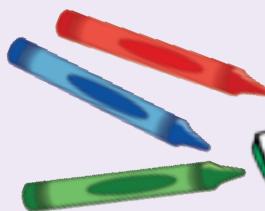
Ńwalani nomboro nga maipfi.

90	fut̄ahe	41	
77		56	
14		65	



U vhala na u khalara

Dilugiseleni u vhala na u khalara!



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

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

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

Vhalani ni
thivhe 10.

Vhalani ni thivhe 5 u bva
kha 0 – 100.

Vhalani ni
thivhe 2.

Vhalani nga 10 u bva kha
10 u swika kha 100.

Vhalani nga 5 u bva kha 5
u swika kha 100.

Vhalani nga 2 u bva kha 2
u swika kha 100.

Nwalani nga dzo10 u swika
kha 100.

Nwalani nga dzo5 u swika
kha 80.

Nwalani nga dzo2 u swika
kha 50.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

3b

Dethi:

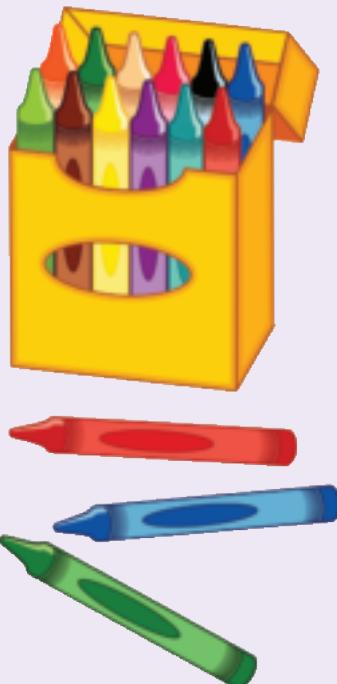
Nomboro dzi re kha bodo ya madana (dzi iswa phanda)

Themo ya |



U tala phetheni

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



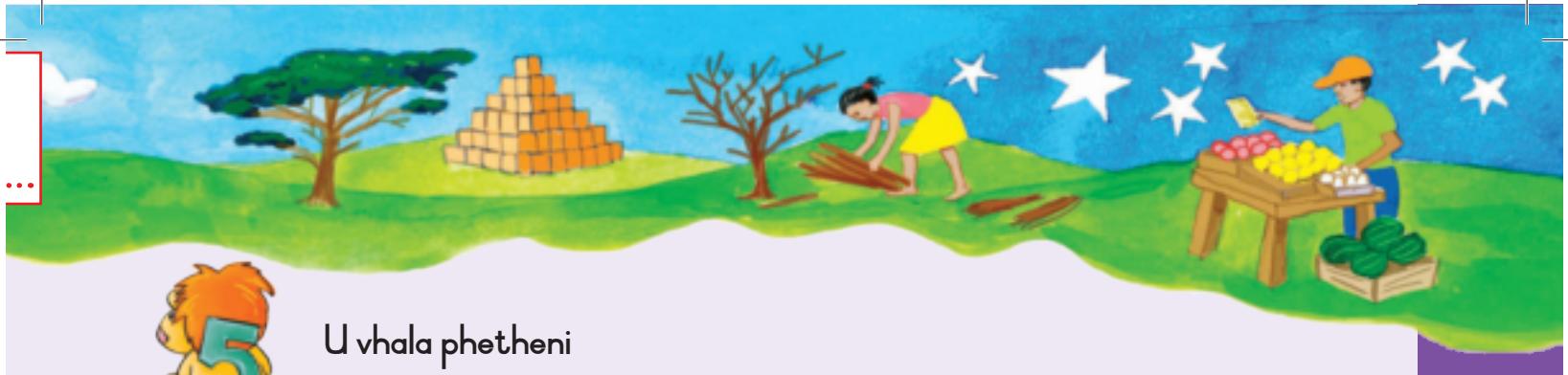
Itani thiki kha 10 dzothe.

Itani thiki kha 5 dzothe.

Itani thiki kha 2 dzothe.

Nwalani nomboro dza 20 dza u thoma dzine dza vha kha phetheni ya 2 na ya 5 vhuvhili hadzo.

1 2 3 4 5 6 7 8 9 10



Uvhala phetheni

Dzhenisani nomboro dzo t̄ahelaho.

0; 10; 20; _____; _____; 50; _____; _____; 80; _____; 100; _____;
_____; 130; _____; _____; 160; _____; _____; _____; 200

0; 5; 10; _____; _____; 25; _____; _____; 40; _____; 50; 55; _____;
_____; 70; _____; _____; 85; _____; _____; 100

0; 2; 4; 6; _____; _____; 12; _____; _____; 18; _____; 22; 24; _____;
_____; 30; _____; _____; 36; 38; _____; _____; _____; 46; _____;

0; _____; 8; _____; 16; 20; _____; 28; _____; 36; _____; _____;
_____; 52; _____; _____; 64; _____; 72; _____; 80

0; _____; 10; _____; 20; _____; 30; _____; 40; _____; _____; 55;
60; _____; 70; 75; _____; 85; _____; _____; 100

0; 3; _____; 9; _____; 15; 18; _____; 24; _____; _____; 33; _____; 39;
_____; 45; _____; _____; 54; 57; _____; 63; _____; _____; 72; 75



4



Dethi:

Themo ya |



U sumbedza nomboro dzañu

Gerani magaraña a nomboro a tshi bva kha bammbiri ja zwigeriwa ja l.
Shumisani magaraña kha u fhaña nomboro idzi.



19

43

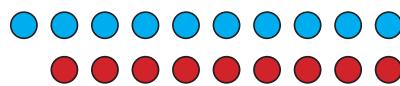
69

54

35

10
q

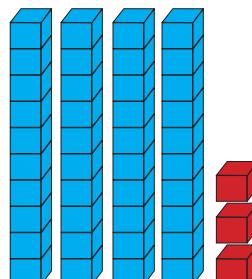
19



10
q

$$10 + q = 19$$

43



10
10
10
10
10
3

$$10 + 3 = 43$$

Zwino fhañani nomboro idzi nga inwi muñe ni tshi shumisa Zwigeriwa l.

54

35

69

10

1 2 3 4 5 6 7 8 9 10



U n̄wala nomboro idzi

Ro dzula ro ni itela ya u thoma

Ri nga kha d̄i ri
nthihi dza q

Iq	$10 + q$	I fumi + q yuniti
43		
69		
54		
35		
21		
73		
44		
32		
89		
17		
95		
56		
68		
67		

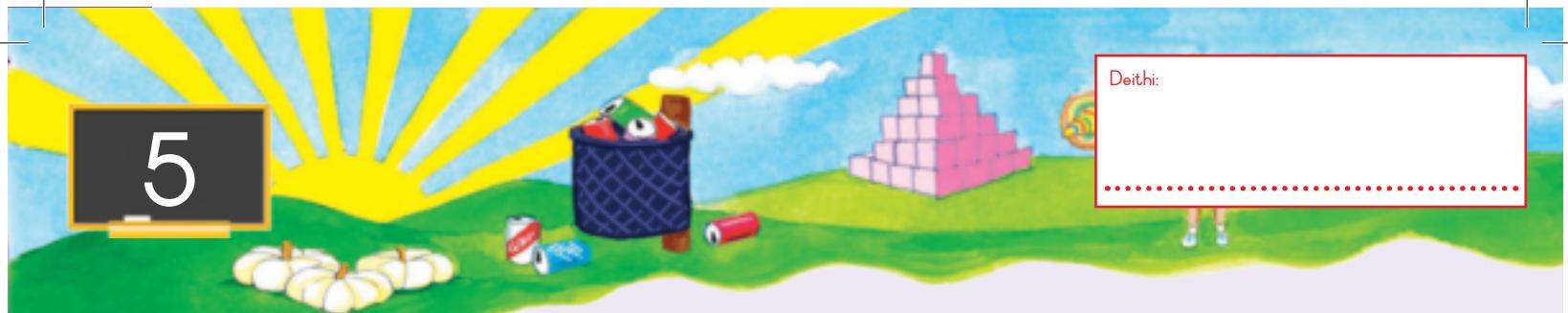


Nwalani nomboro t̄hanu dza u thoma, kha thebulu i re afho nt̄ha, dzi tshi tou tevhekana u bva kha t̄hukhusa u ya kha khulwanesa.

_____ ; _____ ; _____ ; _____ ; _____



5



Dethi:

.....

Mutanganyo na mutuso



Tshitolo tsha Takalani

Nga matsheloni Takalani u na phakhethe dza maapula dza 19.
Nga tshifhinga tsha tshiswičulo o sala na phakhethe dza 13.

a. Ndi phakhethe nngana dze Takalani a rengisa? _____

b. Nwalani phindulo yanu sa fhungombalo.

$$_____ - _____ = _____$$



Nwalani manwe mafhungombalo matanu ni tshi sumbedza phindulo i fanaho.

$$15 - 9 = 6 \quad \underline{\hspace{2cm}}$$



Ndovhololo ya nomboro

Nwalani phindulo.

$$1 + 2 = 3$$

Shumisani ...
+ - =

$10 + 5 =$ <input type="text"/>	$11 + 6 =$ <input type="text"/>	$14 - 9 =$ <input type="text"/>	$14 - 8 =$ <input type="text"/>
$11 + 5 =$ <input type="text"/>	$17 + 2 =$ <input type="text"/>	$19 - 7 =$ <input type="text"/>	$14 - 5 =$ <input type="text"/>
$12 + 6 =$ <input type="text"/>	$3 + 13 =$ <input type="text"/>	$16 - 5 =$ <input type="text"/>	$16 - 13 =$ <input type="text"/>
$17 + 2 =$ <input type="text"/>	$4 + 15 =$ <input type="text"/>	$15 - 10 =$ <input type="text"/>	$19 - 7 =$ <input type="text"/>



Mita ya nomboro

5 9 14

Tsumbo dza uno muta wa nomboro khedzi

$$9 + 5 = 14$$

$$5 + 9 = 14$$

$$14 - 9 = 5$$

$$14 - 5 = 9$$



Ni nga kona u wana miča yothe ya nomboro 14?

$1 + 13 = 14$	$13 + 1 = 14$	$14 - 1 = 13$	$14 - 13 = 1$
$2 + 12 =$			
$3 + 11 =$			
$4 + 10 =$			
$5 + 9 =$			
$6 + 8 =$			
$7 + 7 =$			



Ndi khou ya u ita zwi no fana
na zwenezwi nga 12.

12

$1 + 11 = 12$		
$2 + 10 = 12$		
$3 + 9 = 12$		
$4 + 8 = 12$		
$5 + 7 = 12$		
$6 + 6 = 12$		



11 12 13 14 15 16 17 18 19 20

6

Dethi:

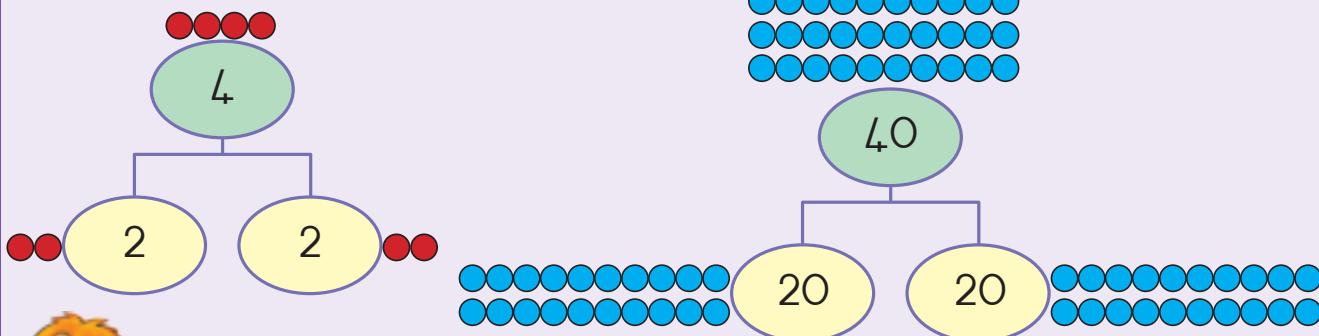
Themo ya |

Nydingakavhili (Davhulu) na dzihafu

Ni kha di elelwa naa?

Nydingakavhili ya 2 ndi 4 Nydingakavhili ya 20 ndi 40 4 ndi 2 kavhili 40 ndi 20 kavhili

Ri nga sumbedza izwi nga nyolo ...



Wanani davhulu kana dzihafu

- a.
- b.
- c.
- d.
- e.
- f.



Khaedu

Wanani hafu nthihi ya 3.

I sumbedzeni sa nomboro kana dzinambalo. Nyolo i nga ni thusa.

.....

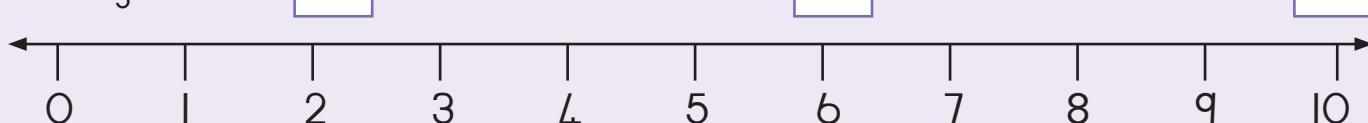


Ingani kavhili (davhulani) nomboro ni tshi shumisa mutalombalo. No ɻewa tsumbo ya u thoma.

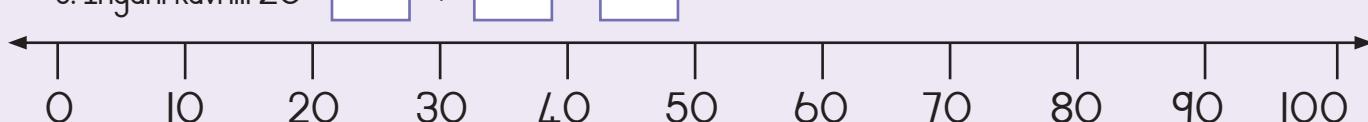
a. Ingani kavhili 4 + =



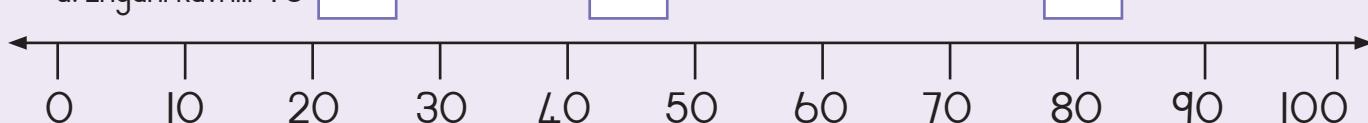
b. Ingani kavhili 5 + =



c. Ingani kavhili 20 + =



d. Ingani kavhili 40 + =



Fhedzisani zwi tevhelaho

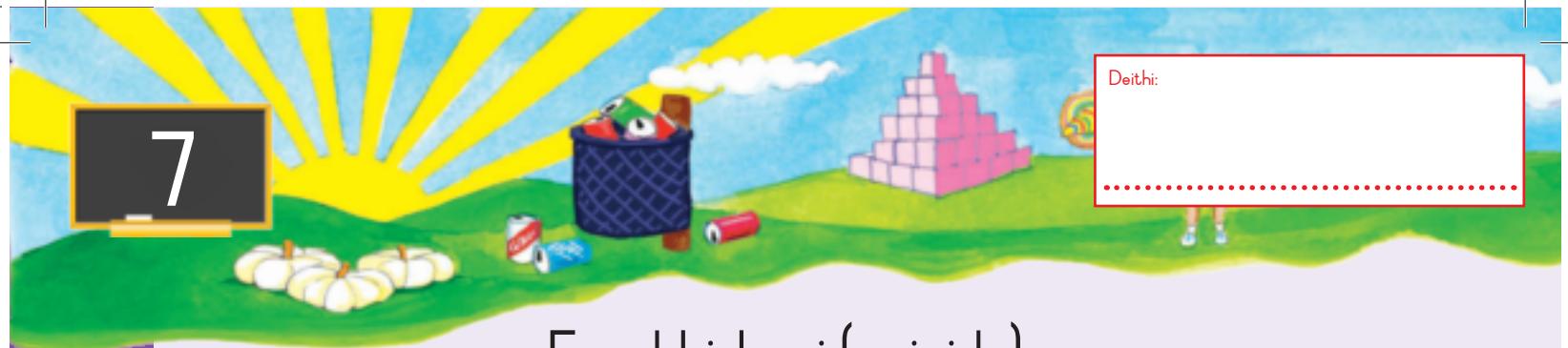
- | | |
|----------------------|---|
| a. Ingani kavhili 1 | 2 |
| b. Ingani kavhili 6 | |
| c. Ingani kavhili 10 | |
| d. Ingani kavhili 30 | |
| e. Ingani kavhili 50 | |



Fhedzisani zwi tevhelaho

- | | |
|----------------|---|
| a. Hafulani 6 | 3 |
| b. Hafulani 8 | |
| c. Hafulani 14 | |
| d. Hafulani 60 | |
| e. Hafulani 70 | |





Dethi:

Furakhisheni (zwipiða)

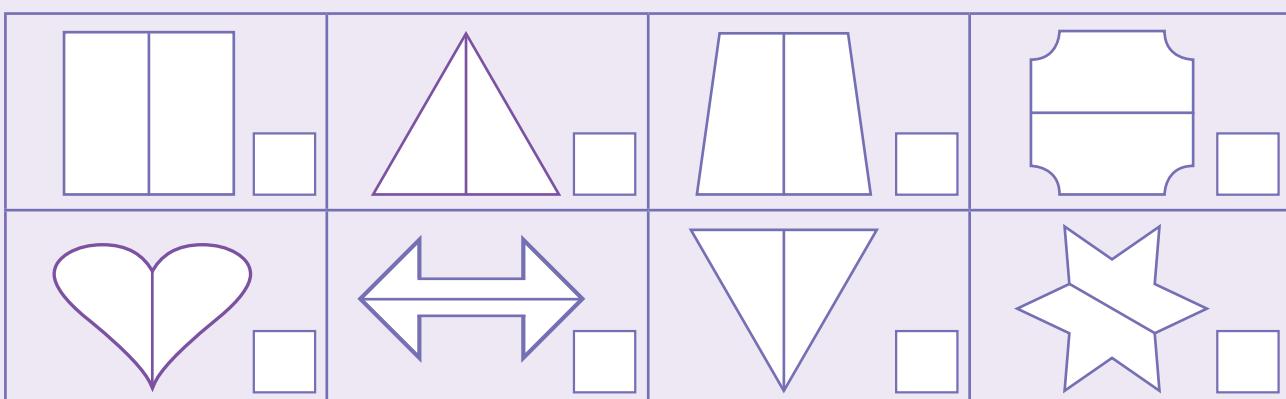
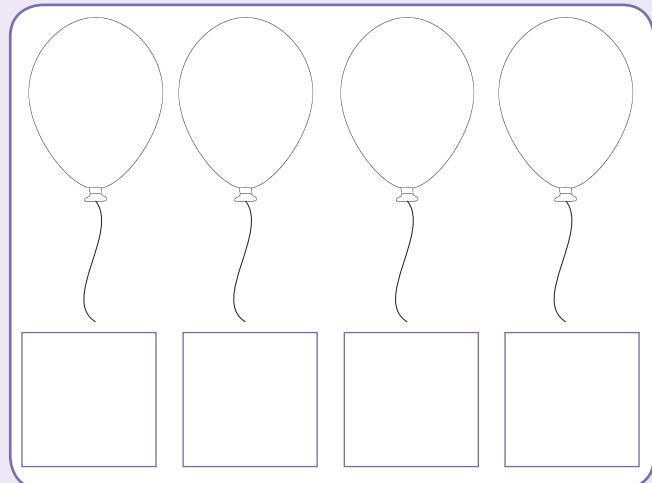
Khalaraní kota nthihi ya mabaloni nga muvhala mutswuku ayo manwe nga wa lutombo.

Khalaraní hafu nthihi ya tshibogisi tshiñwe na tshiñwe nga muvhala mutswuku.

Lavhelesani tshifanyiso. Nwalani thiki kha zwivhumbeo zwi no sumbedza dzihafu.

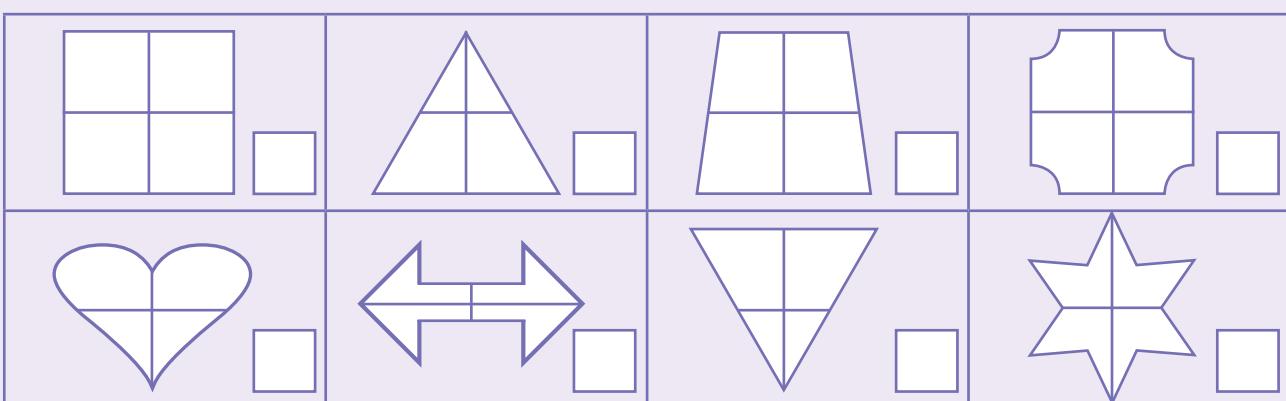


Khalaraní hafu nthihi ya tshivhumbeo tshiñwe na tshiñwe tshe tsha fhandulwa tsha bva dzihafu.



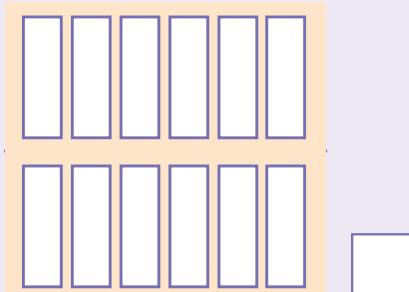
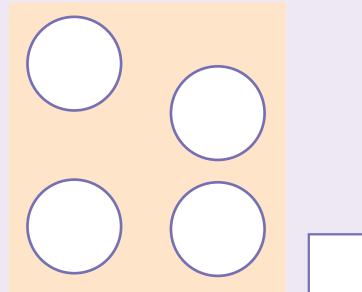
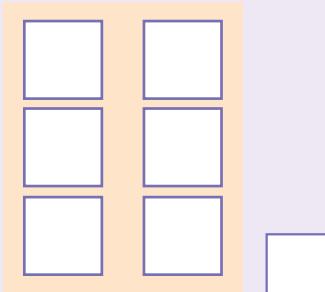
Lavhelesani zwivhumbeo. Nwalani thiki kha zwivhumbeo zwi no sumbedza dzikota.

Khalaraní kota nthihi ya tshivhumbeo tshiñwe na tshiñwe tshe tsha fhandulwa tsha bva dzikota.

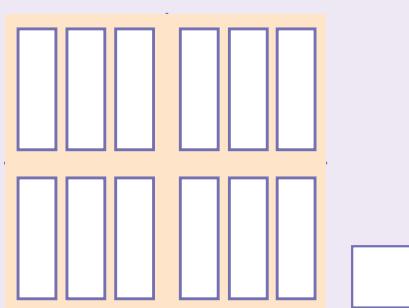
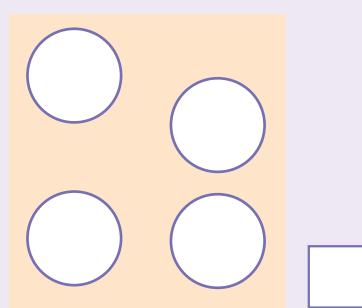
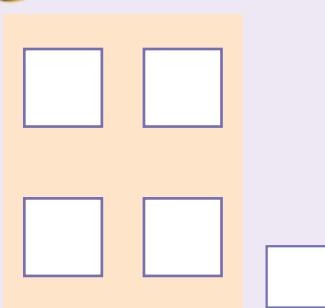




Khalarani hafu ya zwivhumbeo. Hafu ya tshivhalo tsha zwivhumbeo ndi ifhio?



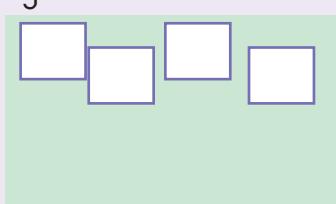
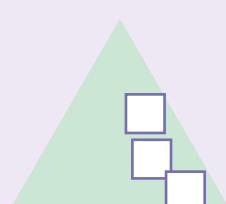
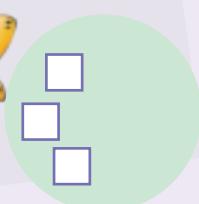
Khalarani kota ya zwivhumbeo. Kota ya tshivhalo tsha zwivhumbeo ndi ifhio?



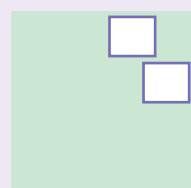
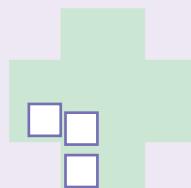
Nwalani sa luswayo (tshiga) lwa furakhisheni. hafu nthihi kota nthihi



Olani zwivhumbeo zwiñwe hafhu u itela uri hafu iñwe i lingane na iñwe.



Olani zwivhumbeo zwiñwe hafhu u itela uri kota iñwe i lingane na iñwe.



U vhekanya tshelede

Tshitokofelani



Mufumakadzi Vho Singo vha vhala na u vhekanya tshelede i bvaho kha tshigwada.



Anganyelani tshelede yothhe. R _____

Vhalani tshelede. R _____

Vhambedzani zwe
zwa anganyelwa na
thanganyelo.



U vhulunga tshelede

Gugu u vhulunga tshelede ya renga phere ya zwienda i no dura R89.

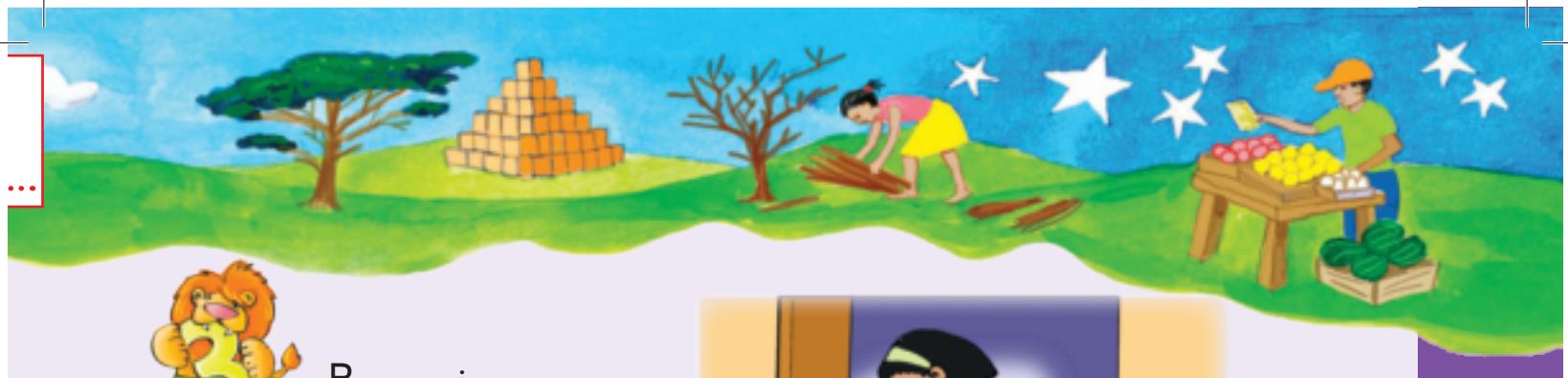
U swika zwino u na hafu ya tshelede iyo.

U ^{to}da vhugai nga ⁿtha?

Nwalani fhungombalo ^{la} u sumbedza phindulo yanu.



_____ - _____ - _____



Banngani

Maria u vhekanya tshelede ya bammbiri
nga zwithopho zwa 5.
O sala na iñwe tshelede ya bammbiri.
Nwalani t^hhanganyelo ya tshifanyiso
tshiñwe na tshiñwe.



T^hhanganyelo

	R _____
	R _____
	R _____



Khaedu

U dala zuu

Vhaaluwa na vhana vhañwe vha ya zuu.
Vha renga thikhithi dza R90.

Vhana ndi vhangan? _____

Vhaaluwa ndi vhangan? _____

Hu na iñwe phindulo naa?

Vhaaluwa _____ Vhana _____





Dethi:

Themo ya |



Phetheni

Shumisani bodo iyi ya nomboro ya 200 kha u fhindula mbudziso

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
I1	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50
I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	I00



Shumisani bodo iyi ya nomboro ya 200 kha u fhedzisa nomboro nna dzi no tevhela kha phetheni idzi dza nomboro. Kha larani phetheni idzi kha bodo ya nomboro.

I05, I10, I15, _____	87, 90, 93, _____
36, 40, 44, _____	I84, I86, I88, _____
70, 65, 60, _____	I38, I35, I32, _____
I80, I76, I72, _____	I4, I2, I0 _____



Ndi zwifhio zwine na kona u vhona malugana na nomboro dzi re na muvhala muthihi?

Uvhalela nga thanu.

Uvhalela nga mbili.

U vhalela nqa tharu.

Uvhalela nqa mahumi.



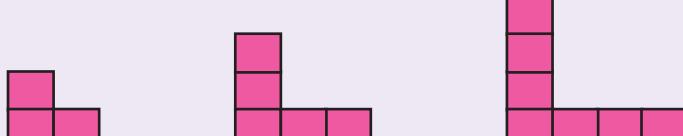
Tharamudzani phetheni



For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at john.smith@researchinstitute.org.



Figure 1. The relationship between the number of days of hospitalization and the number of days of hospitalization for COVID-19 patients.



A large, empty rectangular frame with a thick purple border, centered on a white background.



10

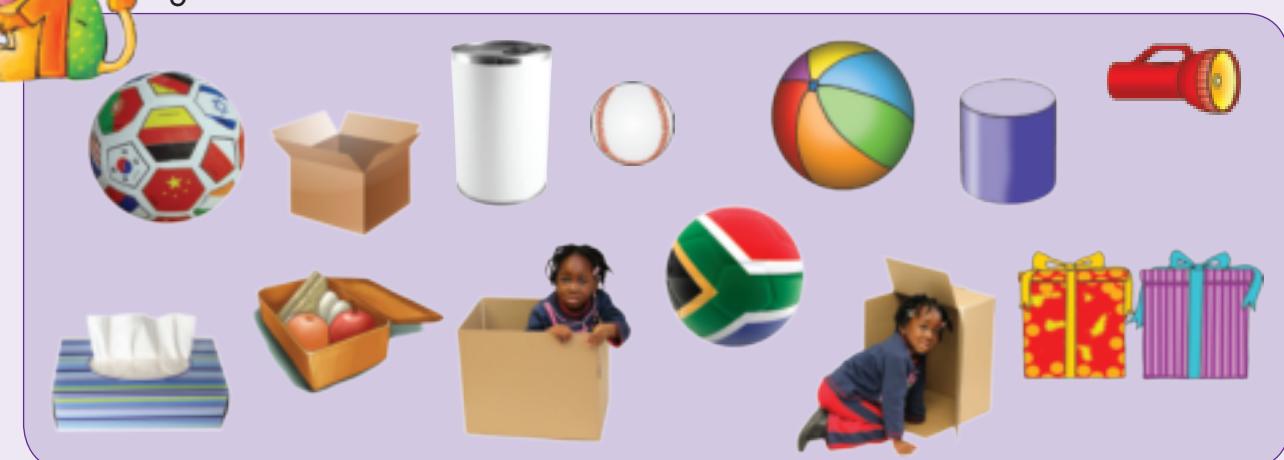
Dethi:

Themo ya |

Bola, zwibogosi na silinda



Tangedzelani zwibogisi nga muvhala wa lutombo, bola nga mutswuku silinda nga mudala.



Khalarani phindulo i re yone.



Bogosi li a

swenda

kunguluwa



Silinda li a

swenda

kunguluwa



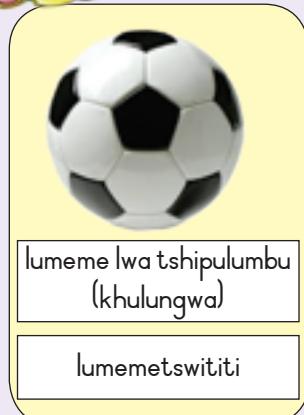
Bola li a

swenda

kunguluwa



Khalarani phindulo i re yone.



lumeme lwa tshipulumbu
(khulungwa)

lumemetswiti



lumeme lwa tshipulumbu
(khulungwa)

lumemetswiti



lumeme lwa tshipulumbu
(khulungwa)

lumemetswiti



lumeme lwa tshipulumbu
(khulungwa)

lumemetswiti



lumeme lwa tshipulumbu
(khulungwa)

lumemetswiti



lumeme lwa tshipulumbu
(khulungwa)

lumemetswiti



lumeme lwa tshipulumbu
(khulungwa)

lumemetswiti

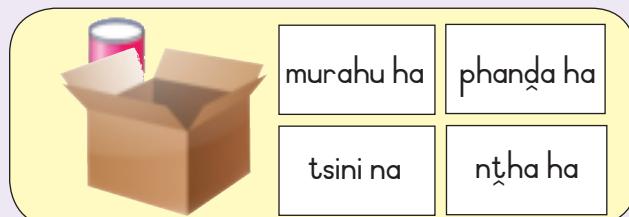
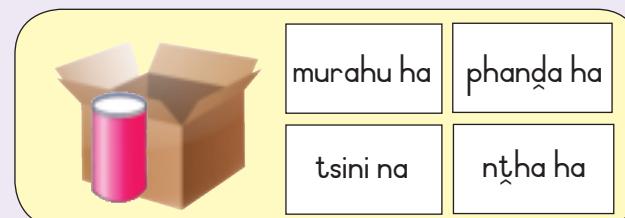
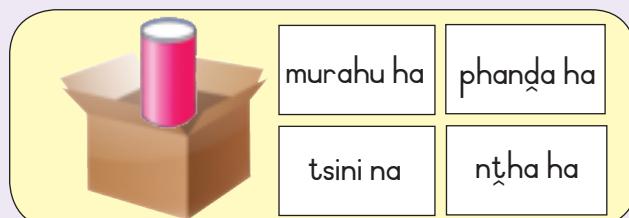


lumeme lwa tshipulumbu
(khulungwa)

lumemetswiti



Bulani uri bola i murahu ha, phanda ha, tsini na kana nthaha ha bogisi.



Teacher:
Sign:
Date:



Dethi:

Themo ya |



U ola zwivhumbeo

Thiraiengele

Tshikwea

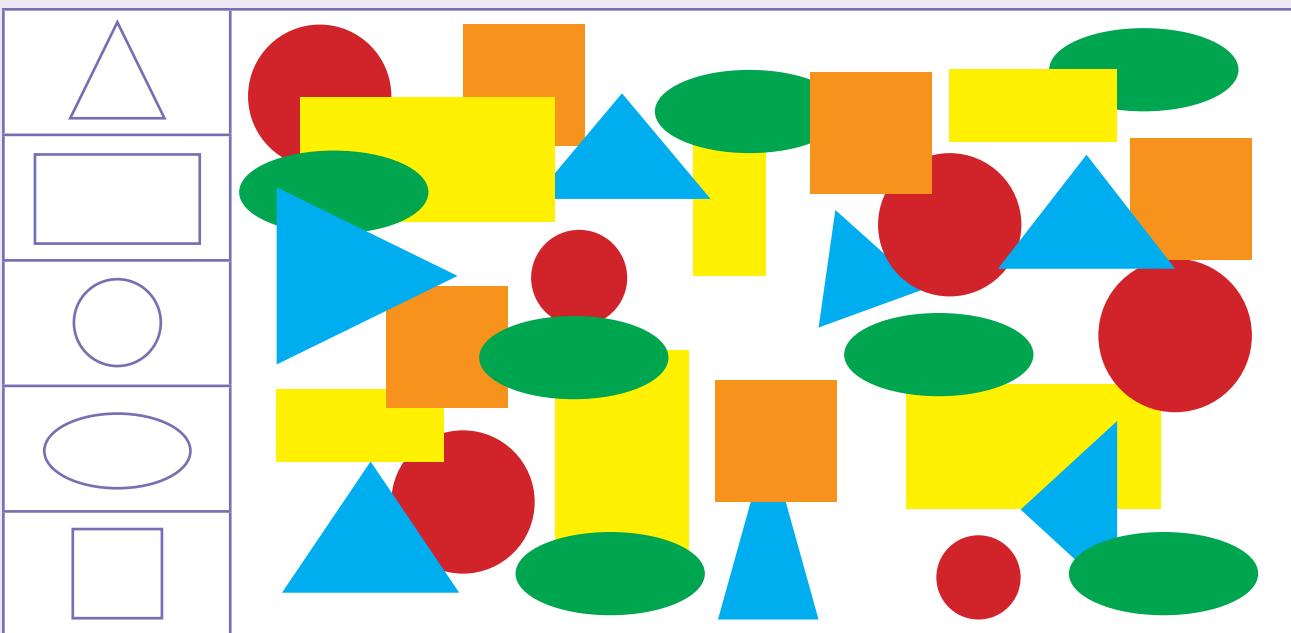
Tshitendeledzi

Rekithiengele



U vhala zwivhumbeo

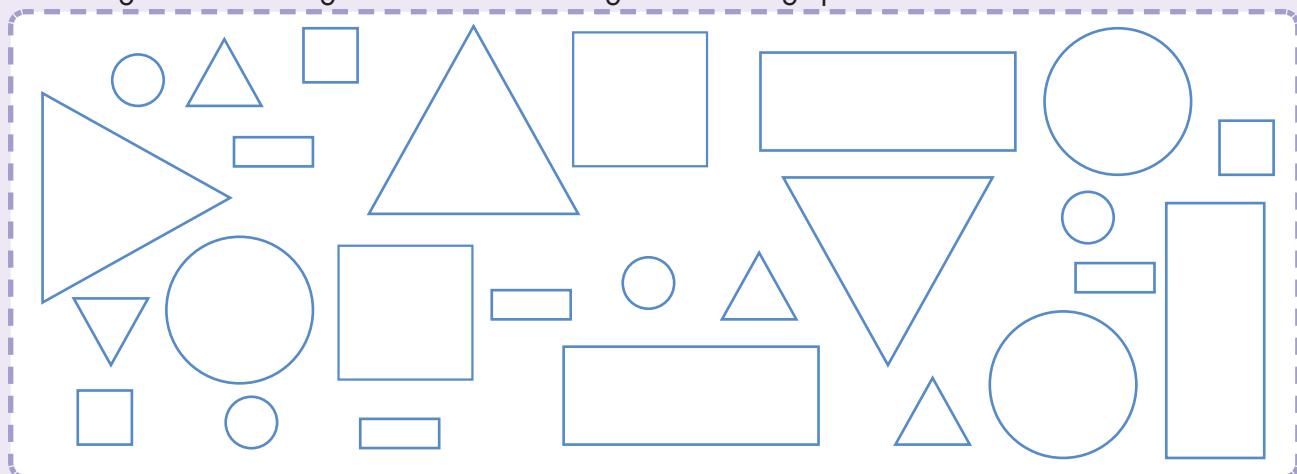
Vhalani uri ndi zwivhumbeo zwingana zwi ngaho itshi zwine ni nga zwi wana tshifanyisoni.





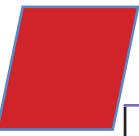
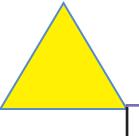
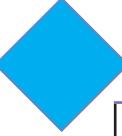
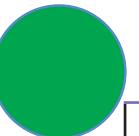
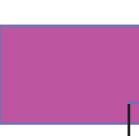
Kħalarani zwotħe

zwitendeledzi zwiħulwane nga muvhala mutswuku; zvitendeledzi zwiķuku nga mudala;
thiraiengele khulwane nga wa lutombo; thiraiengele tħukku nga tshitopana;
zwickwea zwiħulwane nnga tħadd; zwickwea zwiķuku nga phephulu;
rekithiengħe khulwane nga buraweni; rekithiengħe tħukku nga pinki.



Hu na vhurumbu (matungo) vhugana?

Tshivhumbeo tshiñwe na tshiñwe tshi na vhurumbu vhungana? Nwalani nomboro i re kha tshibuloko. Ro ni itela nthihi. Vhurumbu ndi tswititi kana ndi tshipulumbu? Kħalarani phindulo i re yone.

 3 tswititi tshipulumbu	 tswititi tshipulumbu	 tswititi tshipulumbu	 tswititi tshipulumbu
 tswititi tshipulumbu	 tswititi tshipulumbu	 tswititi tshipulumbu	 tswititi tshipulumbu



Teacher:
Sign:
Date:

12

Dethi:



Utshimbila ha tshifhinga

Uvhala tshifhinga

Ndi zwifhinga zwifhio zwine watshi idzi dza luvhondoni dza sumbedza?



Awara ya _____

Awara ya _____

Awara ya _____

Awara ya _____



Thamuwani ni tshi mona na watshi

Thusani Minnie Mouse u vhala miminete nga dzi 5.

Thomani kha 12. Ni mone nayo yothe.



Ni vha no vhala miminete mingana? _____

Hu na miminete mingana kha awara ya I. _____



Unwala tshifhinga

Olani mañanga ni tshi sumbedza zwifhinga.



kotara u bva kha
awara ya 6



hafu u bva kha
awara ya 8



kotara u ya kha
awara ya 11



hafu u bva kha
awara ya 5



Zander u ya tshikoloni.



U bva hayani.



U swika tshikoloni.

Zander u dzhia tshifhinga tshingafhani? _____



Duvha la u baka

Vho Maria vha baka vhurotho.



Vhurotho vhu dzhena ovenini.



Vhurotho
vhru a bva.



Vhurotho vhu bakiwa awara dza _____.



Khaedu

Ndi a kona u vhona phetheni.

- Nga tshifhinga tsho ingwaho kavhili
a. Shandukisani awara dzi vhe miminete.

Awara	1	2	4	8
Miminete	60			



- b. Jabu u fhedza miminete ya 45 u ya tshikoloni. Pfano u fhedza tshifhinga itshi luvhili.
Ndi awara nngana dzine Zander a fhedza u swika tshikoloni? _____

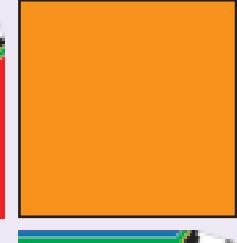
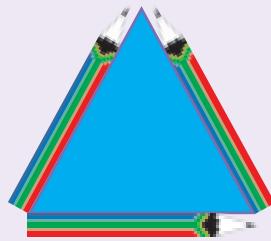
Teacher:
Sign:
Date:

13

Dethi:

Themo ya |

Upima vhulapfu/vhunavho



Musi o ḫangana othe,
masia a thiraiengele iyi
a na vhulapfu hu
no lingana na ha
pinisela dza 3.

Musi o ḫangana othe,
masia a tshikwea itshi
a na vhulapfu hu
no lingana na ha
pinisela dza 4.



A thi ḫivhi uri
rekithiengele iyi i nga
vha i na vhulapfu na u
ᬁandavhuwa zwingafhani.

Rekithiengele iyi i na vhulapfu vhungafhani ha penisela?



Rekithiengele iyi i na u ḫandavhuwa vhungafhani ha penisela?



vhulapfu



vhuphara

No shumisa penisela nga ndilade kha u vhala?

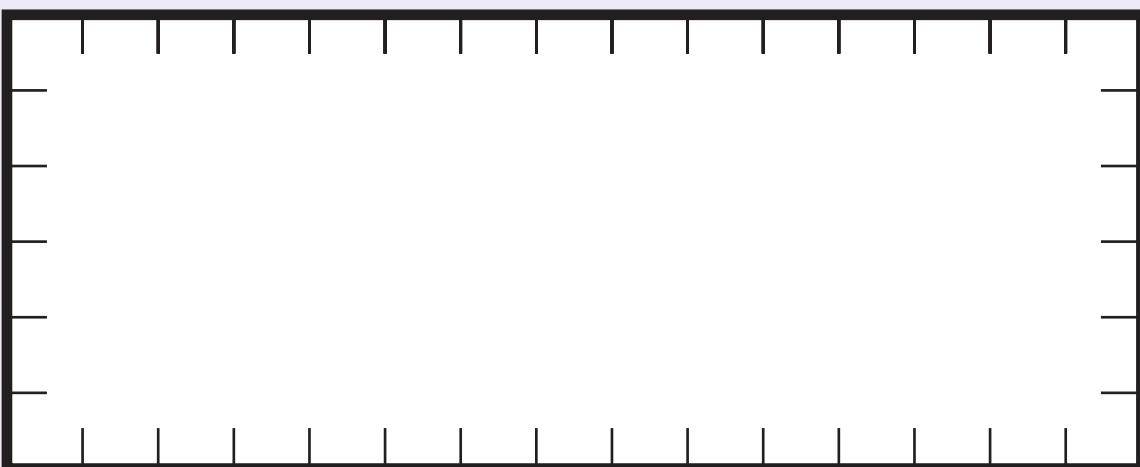


Tshibulebule tsha vhulapfu

- a. Ndi mitalo mingana miset̄ha
ine na i ṭoda uri ni kone u tiba mutalo mutswu?



- b. Ndi mitalo mingana miset̄ha ine na i ṭoda uri ni do kona u mona na rekhitiengele?



- c. Ndi tshifhio tsho lapfesaho, ndila ya nt̄ha kana ya fhasi, kana dzi a lingana?

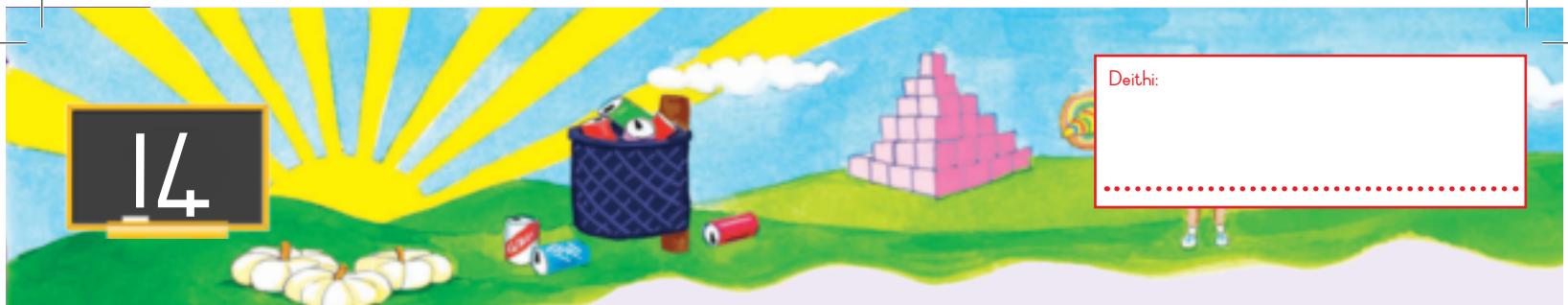


Phindulo _____

Ndi ngani? _____



14



Dethi:



Khaphasithi (ndadzo)

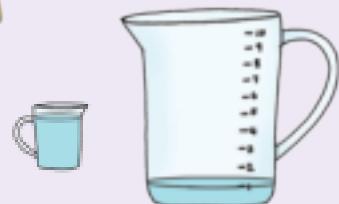
Ndo no shela
lebula nna
khaphuni

Ndi khaphu nngana hafhu dza madzi dzine dza nga dadza tshifaredzi (mudzio)?



Hu na khaphu nngana dza madzi kha tshifaredzi? Ri ḥoda khaphu nngana hafhu uri ri dadze tshifaredzi?

a.



Kha tshifaredzi:

Hu ḥodea hafhu:

b.



Kha tshifaredzi:

Hu ḥodea hafhu:

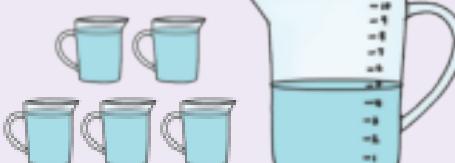
c.



Kha tshifaredzi:

Hu ḥodea hafhu:

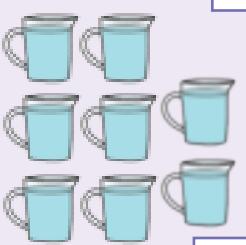
d.



Kha tshifaredzi:

Hu ḥodea hafhu:

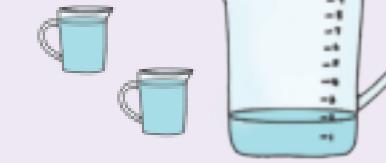
e.



Kha tshifaredzi:

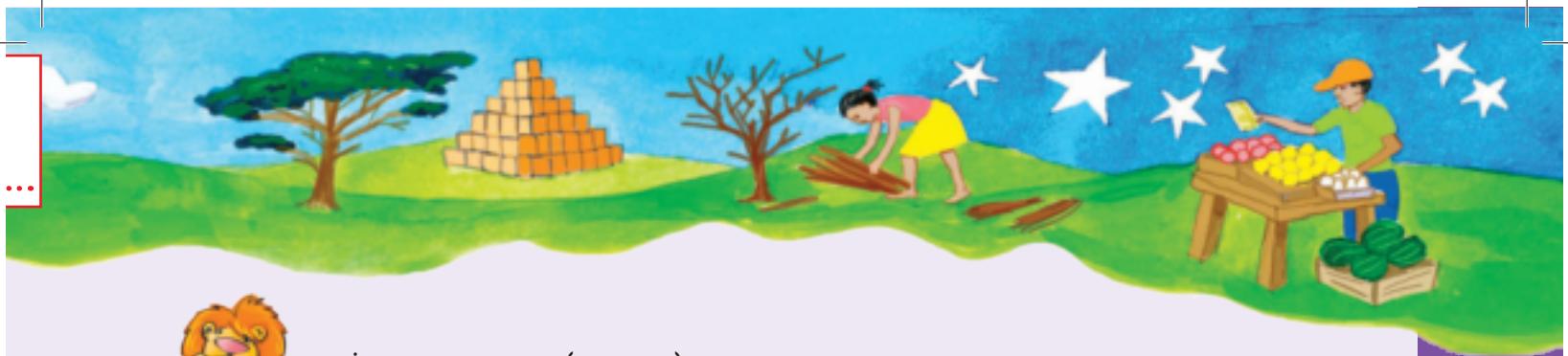
Hu ḥodea hafhu:

f.

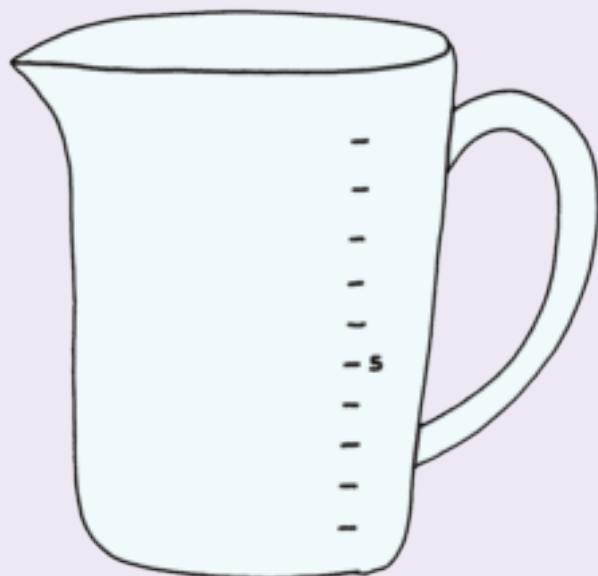


Kha tshifaredzi:

Hu ḥodea hafhu:



Nwalani inthevala (zwikhala) dzi re kha dzhege iyi. Ro ni sumbedza nthihi.



Arali khaphu nthihi i tshi dadza dzhege u swika kha inthevala 2; hu do todea khaphu nngana uri ni dadze dzhege u swika kha:

- 4 _____
- 6 _____
- 8 _____
- 10 _____



Itani thiki kha zwifaredzi zwine na vhona u nga zwi hwala l litha ya zwiludi ni zwi nambatedze ni tshi thoma kha zwitukusa u swika kha zwi hulwanesa.















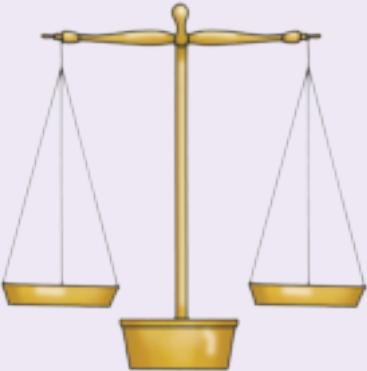
U ḫanganya na u ḫusa (tsheleme)

Kha ri kale tshileme tshashu!

Kha u wana tshileme tshashu, uri ri **lemela** kana u **leluwa** zwingafhani, ri shumisa tshikalo.

Ri kala tshileme nga **dzikhilogireme**.

Ri shumisa abiriviesheni iyi: kg. Ndi nnyi a no lemelesa?



41 kg



38 kg



41 kg



42 kg

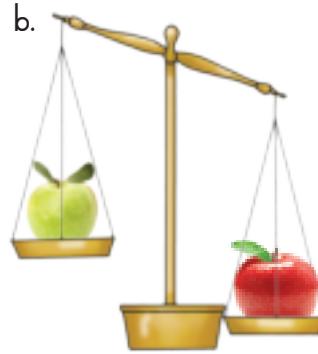
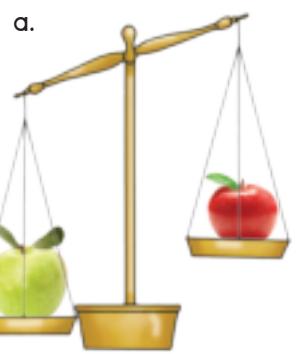


39 kg



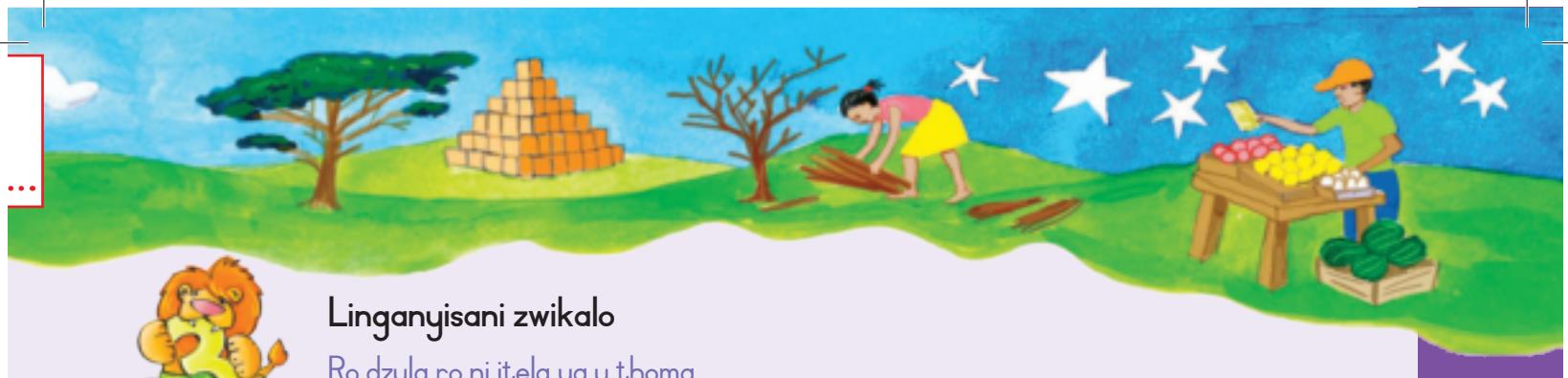
Ri shumisa tshikalo tshilinganyisi (tsha balantsi) kha u kala tshileme.

Ndi kha tshikalo tshifhio hune maapula vhuvhili hao a lemele u fana?



Fhindulani mbudziso. Nwalani a kana b.

Ndi kha tshikalo tshifhio hune apula lidala la lemelesa u fhira apula litswuku? Ndi kha tshikalo tshifhio hune apula litswuku la lemelesa u fhira apula lidala?



Linganyisani zwikalo

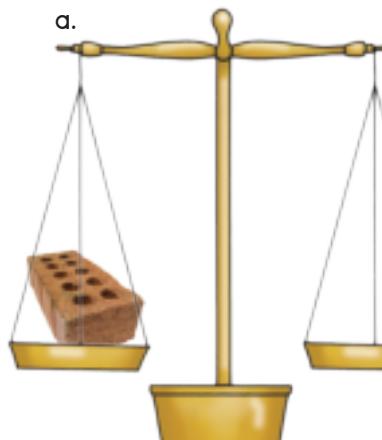
Ro dzula ro ni itela ya u thoma.



Zwidina zwivhili zwi lemela u fana na bola n̄na.

Olani uri hu t̄odea zwidina zwingana kana bola nngana kha u ita
uri zwikalo izwi zwi lingane (zwi balantse)

a.



b.



Arali phasela nthihi i tshi lemela 3kg. Dza..... dzi do lemela mini?



a. Phasela dza 2 _____

b. Phasela dza 3 _____

c. Ndi nga kona u kala phasela dza 4 nga luthihi kha itsi tshikalo tsha khishini? _____

Ngani? _____

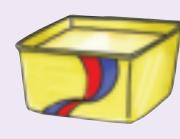


Itani thiki kha zwifaredzi zwi no hwala phakhethé dza 1 kg,















Teacher:
Sign:
Date:

16

Dethi:

Themo ya |



Zwienda kilasini

Vhalani tshiṭori

Thabo: Ndi zwavhuđi, mufumakadzana! Jack ndi muswonda!

U ambara saizi 6 ya zwienda!



Mufumakadzi: Zwo luga! Yoo, Thabo, saidzi iyo yo hulesa kha muthu wa miňwaha ya ḥahe!

Thabo, inwi ni ambara saizi ifhio ya tshienda? Ndi saizi ifhio ine vhaňwe vhothe kilasini vha ambara? Kha ri ite ḥodisiso!

Vhagudi vha nga bula saizi dzavho nga muthihi nga muthihi.

Mufumakadzi Vho Khoza vha ḥwala saizi kha bodo ya u ḥwalela.

Mufumakadzi: Vhalani, ni kone u ḥwala uri saizi iňwe na iňwe yo ḥwalwa lungana kha thebulu.

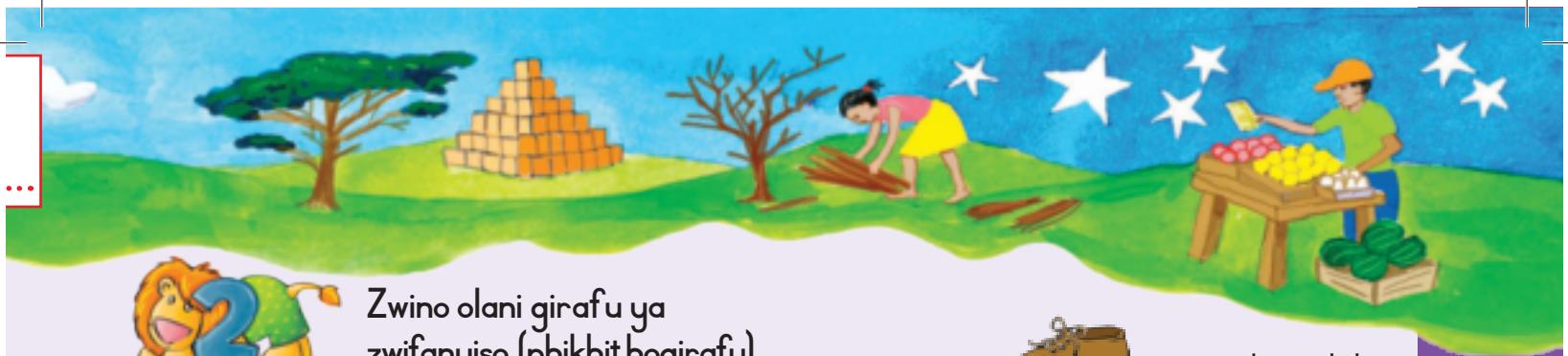
2	2	3	1	2	3	1	4	3	2	3
2	3	2	6	2	2	3	3	3	4	3
4	2	2	3	3	5	3	2	2	2	1
1	1	2	4	2	3	2	3	4	2	4
4	3	2	2	3	1	2	2	1	4	3

Dadzani thebulu i re afho fhasi.

Saizi dza zwienda zwi re kilasini

Saizi 1	Saizi 2	Saizi 3	Saizi 4	Saizi 5	Saizi 6

1 2 3 4 5 6 7 8 9 10



Zwino olani girafu ya
zwifanyiso (phikhithogirafu)



= mugudi muthihi

Saizi 1	Saizi 2	Saizi 3	Saizi 4	Saizi 5	Saizi 6

Zwino fhindulani mbudziso idzi.



- a. Vhagudi vhanzhi vha ambara zwienda zwa saizi _____.
- b. Tshivhalo tshitukusa tshi ambara saizi _____.
- c. Vhana vha _____ vho shela mulenzhe kha thodisiso iyi.



Zwino inwivho?

Wanani uri ndi saizi dzif'ho dza zwienda dzine inwi na khonani dzanu na ambara!

- Shumani nga tshigwada tsha vhana vha 6 u swika kha 8.
- Kuvhanganyani data yanu.
- Nwalani tshivhalo tsha saizi dza zwienda kha thebulu.
- Vhambedzani phindulo dzanu na zwiñwe zwigwada.



Vhambedzani na u vhekanya nomboro

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



Dzhenisani nomboro dzi no khou t̄ahela.

51								
						67		
71								
								100

Shumisani bodo ya nomboro kha u fhindula mbudziso.

- Ndi nomboro ifhio i no rangela 68? _____
- Ndi nomboro ifhio i no tevhela 68? _____
- Nwalani nomboro t̄hanu t̄hukhu kha 71 _____, _____, _____, _____, _____
- Nwalani nomboro t̄hanu dzi re khulwane kha 71. _____, _____, _____, _____, _____
- Ndi nomboro dzifhio dzi re vhukati ha 79 na 84? _____
- Nwalani nomboro idzi dzi tshi bva kha t̄hukhusa dzi tshi ya kha khulwanesa. 73, 52, 50, 59, 61

- Nwalani nomboro idzi dzi tshi bva kha khulwanesa dzi tshi ya kha t̄hukhusa. 74, 96, 99, 91, 38



Fhedzisani thebulu. Ni thome nga nomboro ye na newa.

	nanzhi nga nthihi	thukhu nga nthihi	nanzhi nga fumi	thukhu nga fumi
25				
39				
74				
56				
40				



Tangedzelani nomboro khulwanesa

78	87	17	36	63	33
----	----	----	----	----	----

Tangedzelani nomboro thukhusa

99	19	9	14	41	40
----	----	---	----	----	----



Arali < i tshi amba thukhu kha; nahone > i tshi amba khulwane kha; fhedzisani

32	<	64	23	>	18
----	---	----	----	---	----

57	<input type="text"/>	98	89	<input type="text"/>	57
----	----------------------	----	----	----------------------	----



Wanani nomboro dza 5 kha gurannda dzi re vhukati ha 50 na 99 ni dzi nambatedze hafha. Nomboro inwe na inwe i amba mini?



11 12 13 14 15 16 17 18 19 20

18



Dethi:



Vhuimo ha nomboro u swika kha 99

U sumbedza nomboro ni tshi shumisa zwithu

Ri a kona u sumbedza nomboro nga zwibuloko zwa vhuimo ha nomboro.

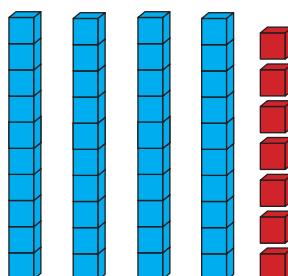
Tshibuloko tshituku tshi imela 1. Ndi yuniti.

Rodo ya zwibuloko zwituku zwa 10 i imela 10. Ndi 10.

Mahumi	Yuniti
10	10
2	2

Ni nga sumbedza nomboro ni tshi shumisa mahumi na yuniti.

Ni nga sumbedza 47 nga hei ndila.



Mahumi	Yuniti
4	7

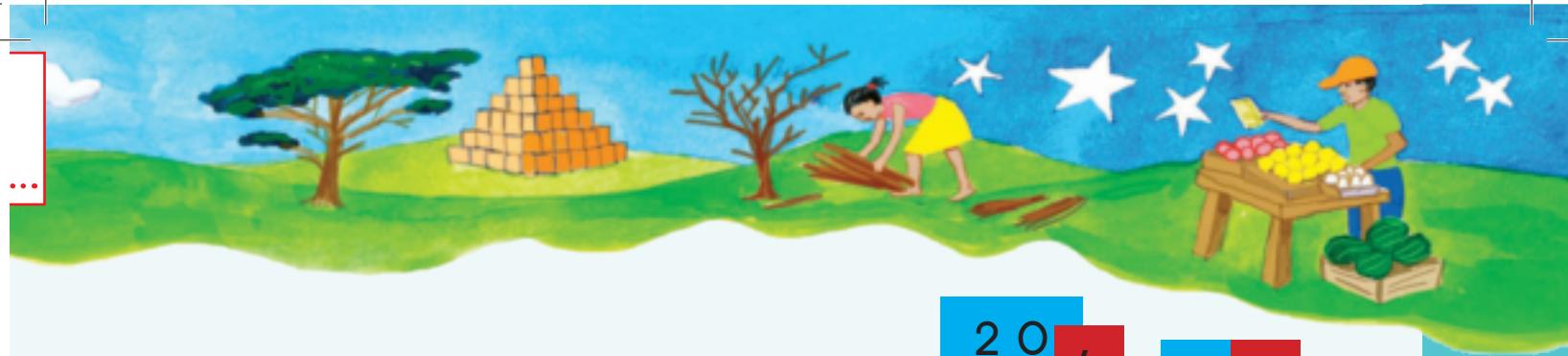
fuiñasumbe
47



U ñwala nomboro nga dzididzhiti na maipfi

- a. Nga fhasi ha tshifanyiso, ñwalani uri hu na mahumi mangana na uri hu na yuniti nngana.
Ni kone u ñwala nomboro nga zwiga na maipfi.

Mahumi	Yuniti	Mahumi	Yuniti	Mahumi	Yuniti
3	1				
31					
furaruthihi					



20
6

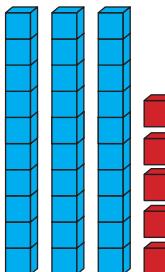
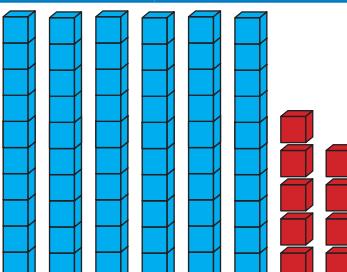
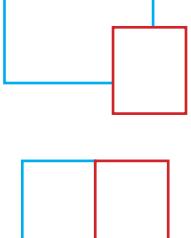
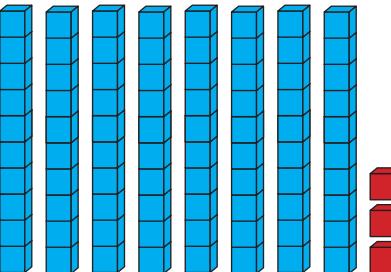
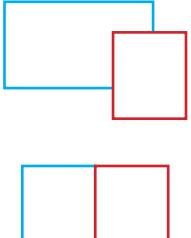
2
6

b. Ri nga kha di shumisa na garaṭa dza nomboro kha u zwi sumbedza.

Nomboro	Ndi madana mangana?	Hu na yuniti nngana?	Nwalani nomboro nga maipfi
26	2	6	Fumbilirathi
46			
99			



Nomboro ndi ifhio?

	<p>3 0 5</p> <p>3 5</p>	<table border="1"> <tr> <td>Mahumi</td> <td>Yuniti</td> </tr> <tr> <td>3</td> <td>5</td> </tr> </table> <p>furarut<u>hanu</u> 35</p>	Mahumi	Yuniti	3	5
Mahumi	Yuniti					
3	5					
		<table border="1"> <tr> <td>Mahumi</td> <td>Yuniti</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>_____</p>	Mahumi	Yuniti		
Mahumi	Yuniti					
		<table border="1"> <tr> <td>Mahumi</td> <td>Yuniti</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>_____</p>	Mahumi	Yuniti		
Mahumi	Yuniti					



11 12 13 14 15 16 17 18 19 20

|q



Dethi:



U vhea mahumi fhethu huthihi musi ri tshi ḥanganya na 99

<p>Iñwe ndila ya u sumbedza 22 khei.</p> <table border="1"> <thead> <tr> <th>Mahumi</th> <th>Yuniti</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>fumi 1 nthihi dza 12</p> <p>10 10 2</p>	Mahumi	Yuniti			<p>Hu na yuniti dza 12.</p> <p>Ri do vhea 10 wadzo kha tshigwada.</p> <p>Ri do vhea yuniti dza 10 kha tshigwada</p>	<p>Zwino ri na iñwe ndila ya u sumbedza 22.</p> <table border="1"> <thead> <tr> <th>Mahumi</th> <th>Yuniti</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>mahumi 2 nthihi 2</p> <p>2 2</p>	Mahumi	Yuniti		
Mahumi	Yuniti									
Mahumi	Yuniti									

Kha ri ḥanganye $27 + 4$. Zwibuloko zwa lutombo ndi zwone zwine ra thoma ngazwo. Zwa pinki ndi zwone zwine ra khou ḥanganyisa khazwo.

<p>27 ndi mahumi a 2 na yuniti dza 7.</p> <p>Ra kona u ḥanganya yuniti dza 4.</p> <table border="1"> <thead> <tr> <th>Mahumi</th> <th>Yuniti</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>2 wa mahumi yuniti dza 7 + yuniti dza 4</p> <p>2 0 7 4</p>	Mahumi	Yuniti			<p>Ri na mahumi a 2 na yuniti dza 11.</p> <table border="1"> <thead> <tr> <th>Mahumi</th> <th>Yuniti</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>Ri nga sumbedza yuniti dza 10 sa fumi nthihi</p> <p>2 0 1 0 1</p>	Mahumi	Yuniti			<p>Zwino ri na Mahumi 3 + yuniti 1 = 31</p> <table border="1"> <thead> <tr> <th>Mahumi</th> <th>Yuniti</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table> <p>$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$</p> <p>3 1</p>	Mahumi	Yuniti		
Mahumi	Yuniti													
Mahumi	Yuniti													
Mahumi	Yuniti													



Nwalani fhungombalo lo sumbedzwaho nga tshifanyiso

Mahumi	Yuniti	Mahumi	Yuniti	Mahumi	Yuniti
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$10 + 5 + 6$	$\underline{\quad} + \underline{\quad} + \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$			

Fhedzisani zwifanyiso. Nwalani mafhungombalo a re tshifanyisoni.

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



20a

Dethi:

Themo ya |

Tanganyani kha mutalombalo

Dzulani desiken iyanu!

Tshikoloni tshashu mugudi muñwe na muñwe u na desike yawe.

Hu na vhagudi vha 46 kha Gireidi 3A na vha 24

kha Gireidi 3B.

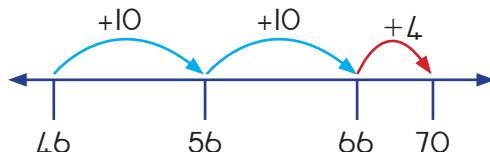
Ndi desike nngana dzine ra ḥoda kīlasini vhuvhili hadzo?



Shumani na muñwe nga inwi

Lavhelesani uri vhagudi avha vhararu vho shumisa hani mutalombalo kha u tandulula thaidzo.

Fhedzisani mbalo ni tshi shumisa tsumbo iyi.



Zwine nda ita ndi hezwi: Ndi thoma nga u ḥanganyisa 10. Izwi zwi ntswikisa kha 56.

U bva hone nda fhufha iñwe 10 nda swika kha 66.

Maf' hedziseloni, ndi fhufha nga 4 haf'hu nda swika kha 70.

Sumbedzani nga garata dzañu dza nomboro.

$$= 46 + 10 + 10 + 4$$

$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

Ndi tea u
ḥanganya 24
kha 46.



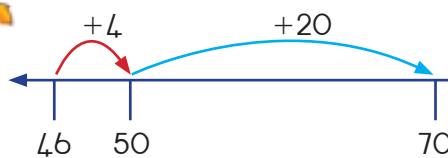
a. $32 + 25 =$

← →



b. $52 + 26 =$

c. $46 + 25 =$



Ndi tea u
tanganya 24
kha 46.



Zwine nda ita ndi hezwi: Ndi thoma nga u fhufha 4. Zwi do ntswikisa kha 50.
Ndi pfuka nga 20 hafhu, zwa ntswikisa kha 70.

Sumbedzani nga garaṭa dzaṇu dza nomboro.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$



Teacher: _____
Sign: _____
Date: _____

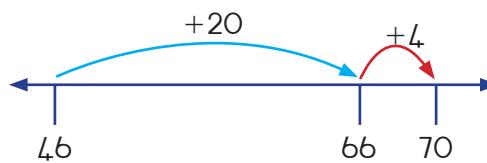
20b

Dethi:

Themo ya |

Tanganyani kha mutalombalo (hu iswa phanda)

b. $57 + 19 =$



Ndi tea u tanganya 24 kha 46.



Zwine nda ita ndi hezwi: U bva kha 46, ndi fhufha nga 20. Zwi ntswikisa kha 66. Zwino ndi tea u fhufha nga 4 nda kona u swika kha 70.

Ri nga kha di shumisa na gara ta dza nomboro

$$= 46 + 20 + 4$$

$$= 66 + 4$$

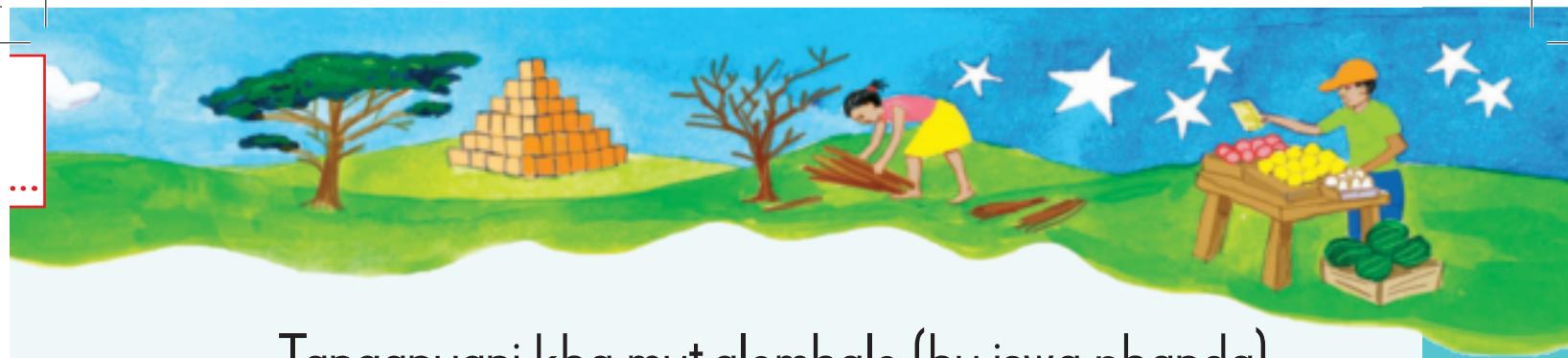
$$= 70$$

a. $63 + 24 =$



b. $65 + 29 =$





Tanganyani kha mutalombalo (ḥu iswa phanda)



Ndi ḥofo nngana?

Mubaki u ḥisa ḥofo dza 54 dza burauni na dza 68 tshena .

Ndi ḥofo nngana dzo ṭangana dzothé?

- a. Wanani ṭhanganyelo kha mutalombalo. Sumbedzani **nomboro** na **saizi** dza kufhufhele.



Tanganyani zwi tevhelaho. Shumisani ndila yanu. Shumisani ngona (ndila) iñwe na iñwe ine na funa.

$38 + 24 =$

$58 + 17 =$



$75 + 16 =$

$83 + 29 =$

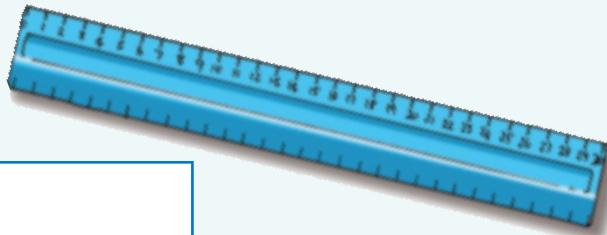


Tusani kha mutalombalo

Mugudi muthihhi! Rula nthihhi!

Kilasi i toda rula dza 53. Ri na dza 35 fhedzi.

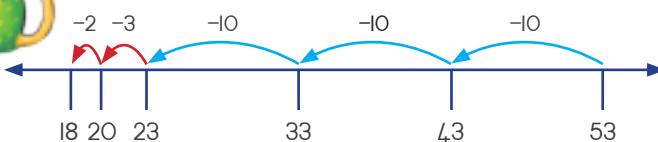
Ndi nngana dzine ra dici toda? $53 - 35 =$



Shumani na muñwe nga inwi

Vhalani uri vhagudi vhararu vhenevhala vhathihi vha shumisa hani mutalombalo af'ha.

Fhedzisani thanganyelo ni tshi shumisa tsumbo.



Ndi tea u tusa 35 kha 53.
Muuso zwi amba u bvisa.



Ndi do thoma kha 53 nda tusa. Ndi do bvisa 10, 10, 10 – izwo zwi do ntswikisa kha 23. Zwino ndi tea u bvisa thanu, ndi thoma nga u tusa 3, nda swika kha 20. Ndi tusa hafhu 2 nda wana 18. Zwi amba uri ri toda rula dza 18.

$$= 53 - 10 - 10 - 10 - 3 - 2$$

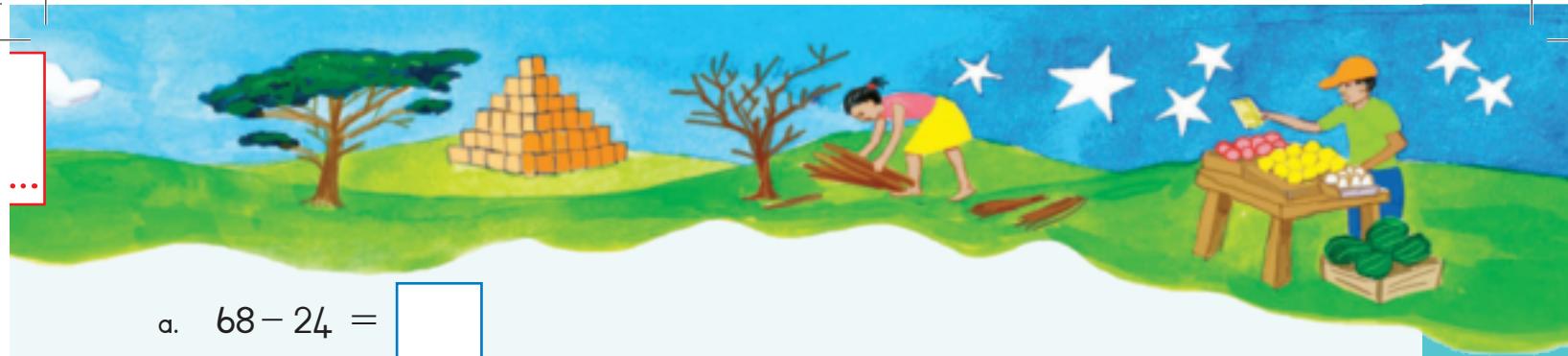
$$= 43 - 10 - 10 - 3 - 2$$

$$= 33 - 10 - 3 - 2$$

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



a. $68 - 24 = \boxed{}$

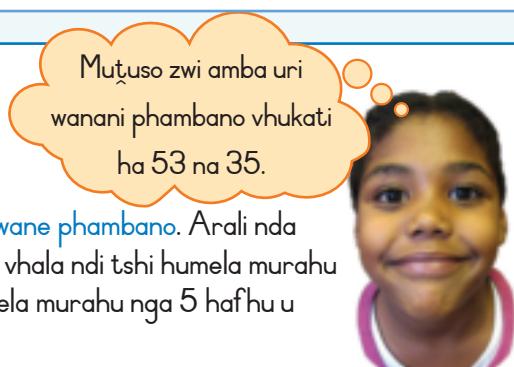
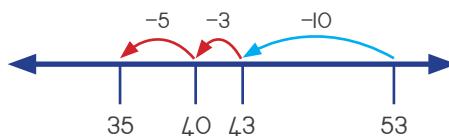
← →

b. $74 - 38 = \boxed{}$

← →

c. $92 - 87 = \boxed{}$

← →



Ndi do thoma kha 53 nda vhala ndi tshi **humela kha** 35 uri **ndi wane phambano**. Arali nda vhala ndi tshi humela murahu nga 10, ndi swika kha 43. Ndi nga vhala ndi tshi humela murahu nga 3 haf'hu u swika kha 40. U bva af'ho nda vhala ndi tshi humela murahu nga 5 haf'hu u swika kha 35.

10 ra ḥanganya na 3 ra ḥanganya na ḥthanu ndi **18**. Zwi amba uri ri ḥoda ruļa dziňwe dza 18.

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

← →



2lb

Dethi:

Themo ya |

Tusani kha mutalombalo (hu iswa phanda)

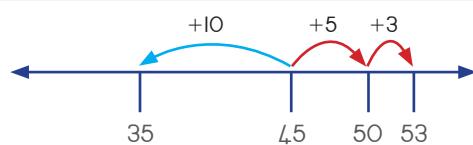
b. $65 - 43 =$



c. $72 - 39 =$



d. $85 - 48 =$



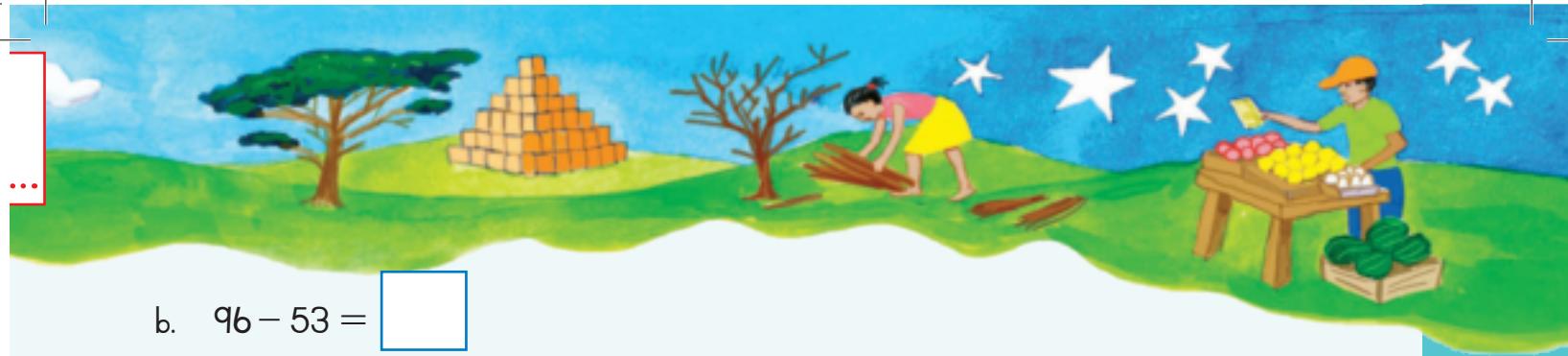
Ndi nga thoma kha 35
nda vhona uri ndi nga
pfuka lungana u vhala u
swika kha 53.



Ndi nga thoma kha 35 nda vhona uri ndi nga pfuka
lungana u vhala **u swika kha** 53. Fumi ra ṭanganya na ṭhanu ra ṭanganya na raru
ndi 18. Ri ṭoda ruļa dziňwe dza 18.

a. $84 - 32 =$





b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$



U tshimbila nga thekhisi

Lwendo lwa u ya doroboni nga thekhisi ndi km dza 65.

U swika zwino thekhisi yo tshimbila km dza 38.

Ho sala tshikhala tshingafhani?

Shumisani mutalombalo kha u tandulula thaidzo iyi. Ni nga tusa, u vhala ni tshi ya phanda kana murahu. Leibelani he na fhufha na nomboro kha mutalombalo.



← →

km



22

Dethi:

Themo ya |



Pulane ya u thoma!

Busi u humbela khonani dzawe uri dzi khethe zwiliwa zwa phathi zwine vha zwi funesa.
Hezwi ndi zwe a kuvhanganya. Mu thuseni u vhekanya.



Vhalani, ni ንwale uri ndi khonani nngana dzo nangaho lushaka luñwe na luñwe lwa zwiliwa.

Nomboro				



Fhedzisani girafu ya zwifanyiso. Shumisani thebulu yanu uri i ni thuse.

Olani tshifhatuwo tshithihi (😊) kha ንwana muñwe na muñwe ane a nanga lushaka lwo raloho lwa tshiliwa kana tshinwiwa.



😊			
😊			
😊			
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😊			
			



23

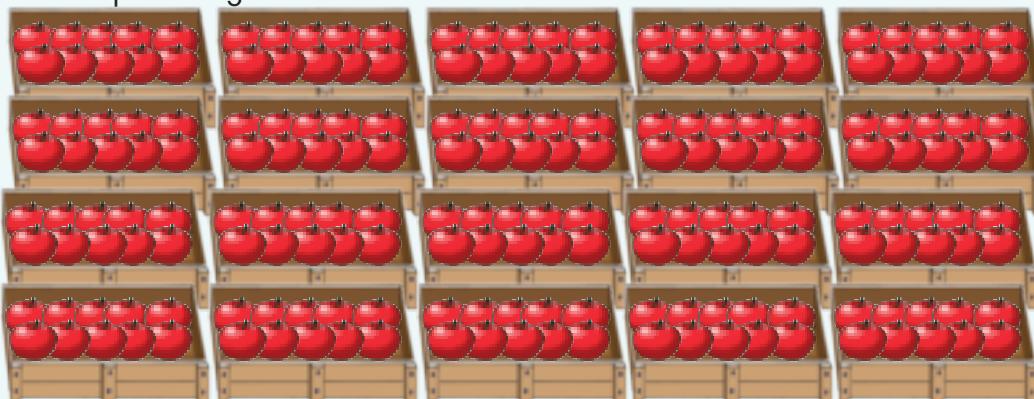
Dethi:

Themo ya |



U vhalala u swika kha 200

Ndi maapula mangana ane na kona u a vhona?



Dzhenisani nomboro

Bogisi $\underline{1}$ $\underline{1}$ na maapula a

Rou ya $\underline{1}$ $\underline{1}$ na maapula a

Rou ya $\underline{1}$ $\underline{1}$ na mabogisi a

Rou dza $\underline{4}$ $\underline{4}$ dizi na maapula a



Hu na maapula a 10 bogisini $\underline{\underline{l}}$ $\underline{\underline{r}}$ we na $\underline{\underline{l}}$ $\underline{\underline{r}}$ we. Ndi maapula mangana a re hone?

- a.
- b.
- c.

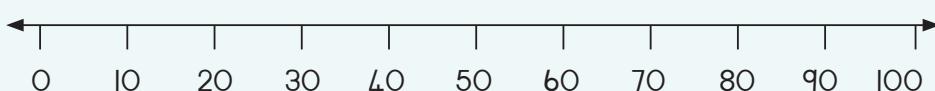


Zwisumbedzeni kha mutualombalo.

- a. Hu $\underline{d}\underline{o}$ vha na maapula mangana mabogisini mat $\underline{\underline{a}}$ nu?



- b. Hu $\underline{d}\underline{o}$ vha na maapula mangana mabogisini a sumbe?





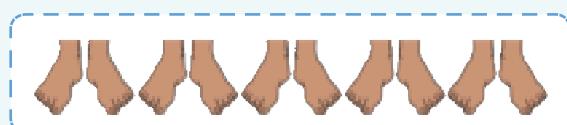
zwithopho (loto) zwa 3 zwa 10 zwi ita – $3 \times 10 =$ 30 kana $10 \times 3 =$ 30

zwithopho zwa 5 zwa 10 zwi ita – = kana =

zwithopho zwa 2 zwa 10 zwi ita – = kana =

Phere dza 5 dza milenzhe.

Hu na zwikunwe zwingana zwo ṭangana zwot^{he}?



$$10 + 10 + 10 + 10 + 10 = \text{5 0}$$

$$5 \times 10 =$$

kana $10 \times 5 =$

Shumisani ndila yeneyi kha u shuma hedzi.

Phere dza 4 dza nayo. Hu na zwikunwe zwingana zwo ṭangana zwot^{he}?

$$\underline{\quad} = \boxed{\quad} \quad \underline{\quad} \times \underline{\quad} = \boxed{\quad} \text{ kana } \underline{\quad} \times \underline{\quad} = \boxed{\quad}$$

Phere dza 3 dza nayo. Hu na zwikunwe zwingana zwo ṭangana zwot^{he}?

$$\underline{\quad} = \boxed{\quad} \quad \underline{\quad} \times \underline{\quad} = \boxed{\quad} \text{ kana } \underline{\quad} \times \underline{\quad} = \boxed{\quad}$$



Kha ri vhale (vhalele)

10, 20, 30, 40, 50, _____, _____, _____, _____, _____,

_____, _____, _____, _____, _____, _____, _____, _____, 200



11 12 13 14 15 16 17 18 19 20

24

Dethi:

Themo ya |

U ita ndowendowe nga 5



Hu na khovhe nngana? Anganyelani



Zwino vhalani khovhe. Wanani ḫhanganyelo.



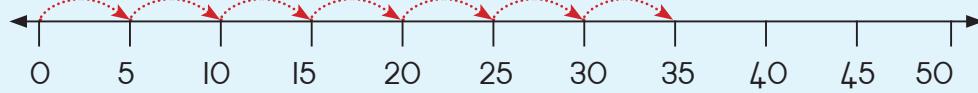
Vhalani nga 5

Wanani ḫhanganyelo yothe ya makumba a khovhe. Nwalani fhungombalo la + na X. Ro ni itela ya u thoma.

Khovhe na makumba	Hu na makumba mangana o ḫangana othe?
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 2	$2 + 2 + 2 + 2 + 2 = 10$
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 10	
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 4	
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 3	
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 6	
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 8	
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 5	



Fhedzisani mafhungombalo na mitalombalo



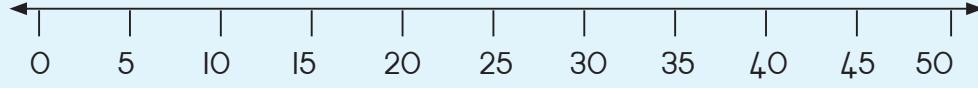
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \text{ kana } \boxed{7} \times \boxed{5} = \boxed{35}$$

a.



$$5 + 5 + 5 + 5 = \boxed{\quad} \text{ kana } \boxed{\quad} \times \boxed{\quad} = \boxed{\quad}$$

b.



$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{\quad} \text{ kana } \boxed{\quad} \times \boxed{\quad} = \boxed{\quad}$$

c.



$$\underline{\quad} + \underline{\quad} = \boxed{\quad} \text{ kana } 10 \times 5 = 50$$



Urea khovhe

Sipho u fasha khovhe dzi re vhukati ha 40 na 50. U dzi vhala nga dzi 2 ha vha na ya l yo salaho.

U dzi vhala nga dzi 5 ha vha na dza 2 dzo salaho. Sipho u fasha khovhe nngana?



25a

Dethi:

Themo ya |



U vhalala masogisi

Vhalani nga 2



- Hu na phere nngana dza masogisi? _____
- Hu na masogisi mangana? _____
- Hu na masogisi o salaho? _____



U vhala phere dza masogisi

Nwalani uri hu na phere nngana dza masogisi ni ambe arali hu na o salaho.

Masogisi	Tshivhalo tsha phere	Tshivhalo tsha sogosi	Ho sala sogisi nthihi



Teacher:
Sign:
Date:

25b

Dethi:

Themo ya |



Uvhala nga 2 (u iswa phanda)

Ufhataphere

Nwalani nomboro dza ivini na dza odo u thoma kha l u swika kha 60.

- a. Nwalani nomboro dza ivini dza u thoma kha l – 60.

2, 4, 6,

- b. Nwalani nomboro dza odo dza u thoma kha l – 60.

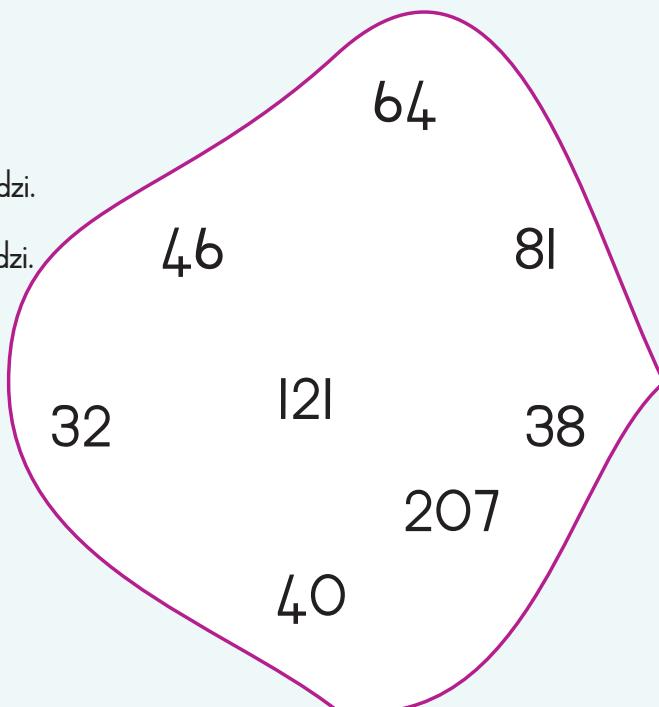
3, 5, 7,



Dziodo na dziiivini

Tangedzelani nomboro dza ivini nga zwitendeledzi.

Tangedzelani nomboro dza odo nga zwitendeledzi.





Ubva kha phere u ya kha masogisi

Tsumbo:

Sogisi dza 2 = phere ya 1



$$2 \times 1 = 2$$

Sogisi dza 20 = phere dza 10

$$2 \times 10 = 20$$

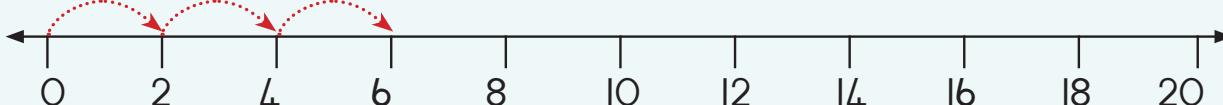
a. Nwalani uri ndi masogisi mangana.

Humbulani nga 2	Fhungombalo
1 phere = masogisi a 2	<input type="text"/> 2 × <input type="text"/> 1 = <input type="text"/> 2
2 phere = masogisi a _____	<input type="text"/> 2 × <input type="text"/> 2 = <input type="text"/>
4 phere = masogisi a _____	
8 phere = masogisi a _____	
9 phere = masogisi a _____	

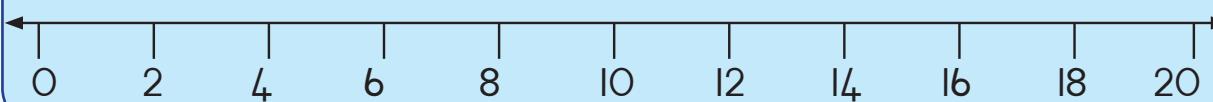
b. Sumbedzani mbalo kha mutalombalo ni fhedzise.

Tsumbo:

$$2 + 2 + 2 = 6 \text{ kana } 3 \times 2 = 6$$



$$2 + 2 + 2 + 2 + 2 + 2 = \boxed{} \text{ kana } \boxed{} \times \boxed{} = \boxed{}$$



26

Dethi:

Themo ya |

Tshelede kale na zwino

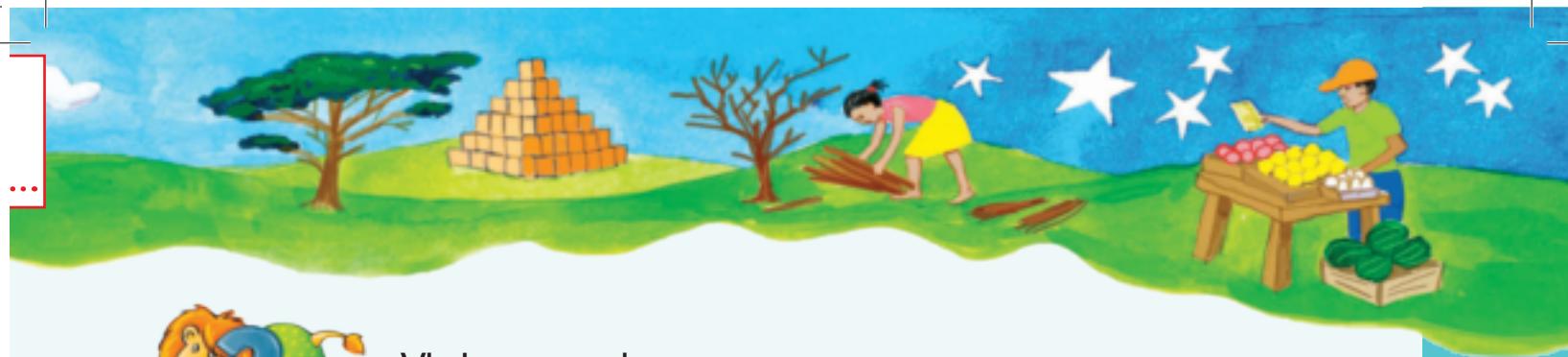


Nganetshelo ya tshelede yashu

Afrika Tshipembe ri shumisa dzirannda na masenthe sa tshelede yashu.
Ro thoma u shumisa dzirannda na masenthe nga 1961.

Tshif'hingani tshenetsho khoini ya senthe 1 yo vha i thukhusa, ha tevhela ya 2 senthe
ha kona u da 5 senthe.





Vhalani masenthe

Vhalani masenthe.

Ndi masenthe mangana ane na vha nao?

Hu todea manwe mangana uri a ite R1,00?

A oleni kha tshibuloko



Ndi masenthe mangana?

R1,00 = <input type="text"/> c	R2,00 = <input type="text"/> c
R3,00 = <input type="text"/> c	R1,50 = <input type="text"/> c



Tshi dura vhugai?



ya 2 i ita R4,00.

Ni wana miomva mingana nga R20,00?



a 2 a ita R2,00.

Ni wana maqpula mangana nga R9,00?



27

Dethi:

Themo ya |

U vhala nga 3



Malinga nga 3



Baisigira ya l ya malinga mararu (thiraisikili) i na malinga a _____.



thiraisaikili dza 5 dzi na malinga a _____

$$3 + 3 + 3 + 3 + 3 = 5 \times 3 = _____$$

thiraisaikili dza 2 dzi na malinga a _____

$$3 + 3 = 2 \times 3 = _____$$

thiraisaikili dza 4 dzi na malinga a _____

thiraisaikili dza 6 dzi na malinga a _____

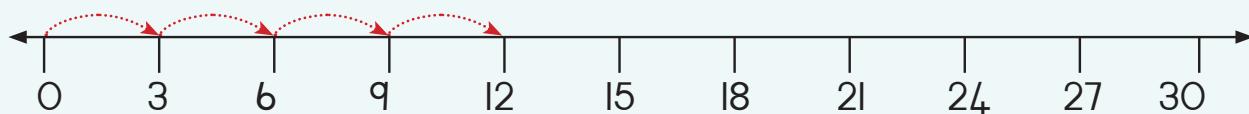
thiraisaikili dza 9 dzi na malinga a _____

thiraisaikili dza 8 dzi na malinga a _____

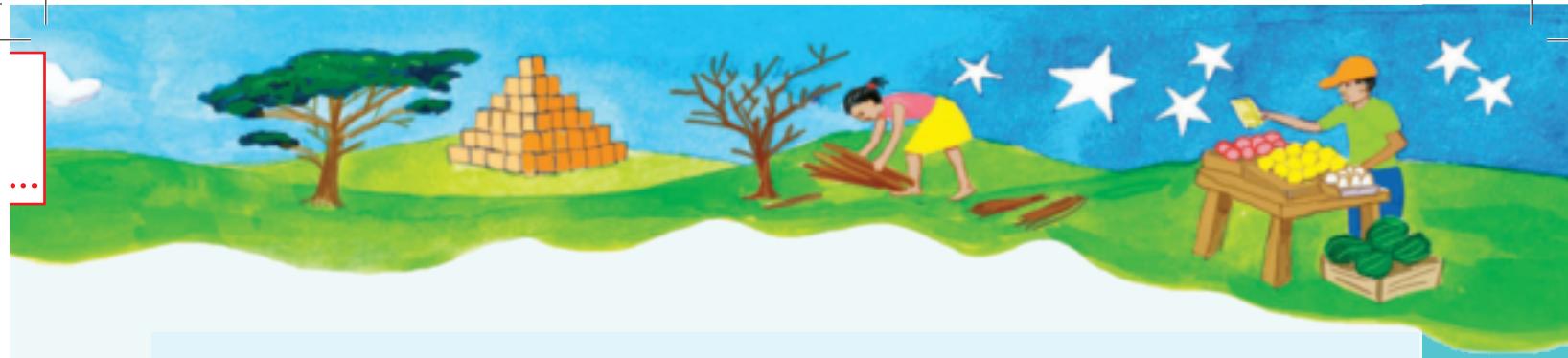


Mitalombalo

Tevhedzani tsumbo



a. $3 + 3 + 3 + 3 = \boxed{\quad} = 4 \times 3 = \boxed{\quad}$



b.

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

c.

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

d.

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



Baisigira dza malinga mavhili na baisigira dza malinga mararu



Vhengeleni la baisigira Mulanga u vhala malinga a baisigira dza malinga mavhili na a baisigira dza malinga mararu. Hu na malinga a 14 o tangana.

Hu na baisigira nngana dza malinga mavhili? _____

Hu na baisigira dza malinga mararu nngana? _____



28

Dethi:

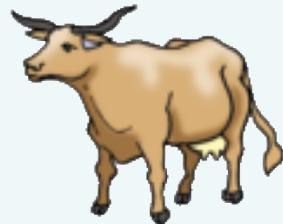
Themo ya |

Ndi zwifhio zwi no tshimbila nga 4?



Milenzhe miña

Zwinwewho nga nomboro 4 ...
 $4 + 4 = 8; 2 \times 4 = 8$



Milenzhe ya kholomo ndi 4.

Ndi mini tshiñwe hafhu tshine tsha vha zwiñazwiñā? _____

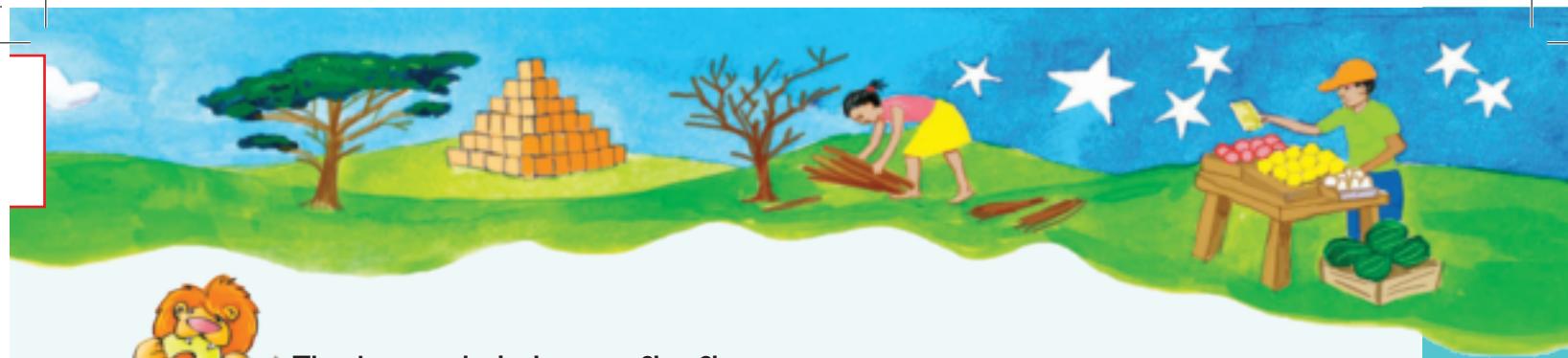


Uvhala milenzhe

Kovhanani phindulo.
 Talutshedzani zwe na ita.

Shumisani zwine na zwi ñivha nga 4 ni tshi f'hindula mbudziso idzi.

Kholomo ya 1 milenzhe ya <input type="text" value="4"/>	Kholomo dza 2 milenzhe ya <input type="text" value="8"/>
Kholomo dza 3 milenzhe ya <input type="text"/>	Kholomo dza 4 milenzhe ya <input type="text"/>
Kholomo dza 5 milenzhe ya <input type="text"/>	Kholomo dza 6 milenzhe ya <input type="text"/>
Kholomo dza 7 milenzhe ya <input type="text"/>	Kholomo dza 8 milenzhe ya <input type="text"/>
Kholomo dza 9 milenzhe ya <input type="text"/>	Kholomo dza 10 milenzhe ya <input type="text"/>



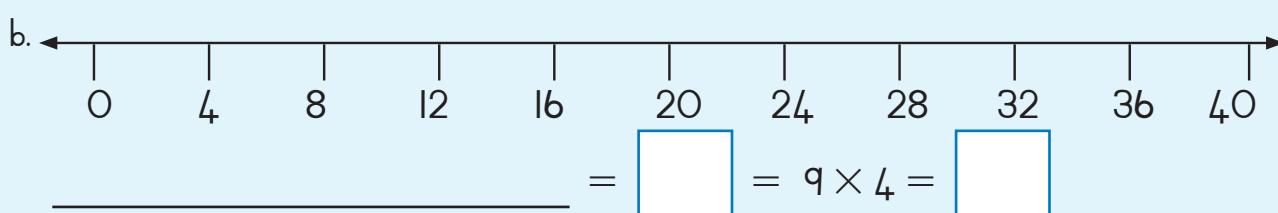
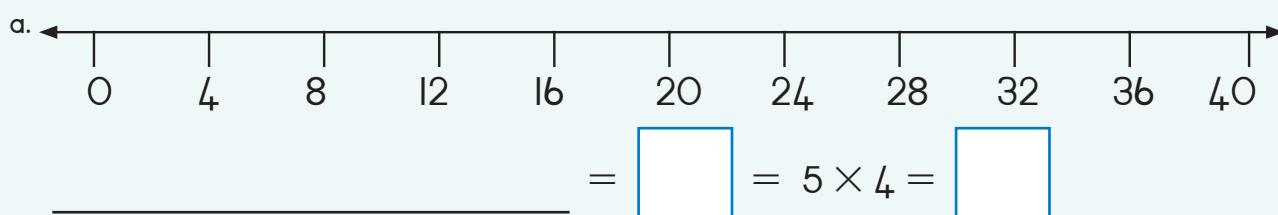
Fhedzisani thebulu i re afho fhasi.
Shumisani tsumbo uri l i ni dedeze.

kholomo dza 3 dzi na milenzhe ya _____	$4 + 4 + 4 = 4 \times 3 =$ <u>12</u>
kholomo dza 5 dzi na milenzhe ya _____	
kholomo dza 4 dzi na milenzhe ya _____	
kholomo dza 7 dzi na milenzhe ya _____	
kholomo dza 8 dzi na milenzhe ya _____	



Mitalombalo

Fhedzisani zwi tevhelaho ni zwi sumbedze kha mitalombalo.



Teacher: _____
Sign: _____
Date: _____

29



Phetheni dza nomboro

Phetheni dza qiridi

Ndi phetheni ifhio ya nomboro ine zwitendeledzi zwiñwe na zwinwe zwi re kha giridi ya 100 zwa sumbedza?

Olaní zwitendeledzi zwinwe nga nthá ni tshi fhedzisa phetheni iñwe na iñwe.

Nwalani dzina la phetheni iñwe na iñwe.

q. Phetheni:

A 10x10 grid of squares. There are 10 black dots placed at regular intervals along the vertical axis. The first dot is at the top center, and the last dot is at the bottom center. All other squares in the grid are empty.

b. Phetheni:

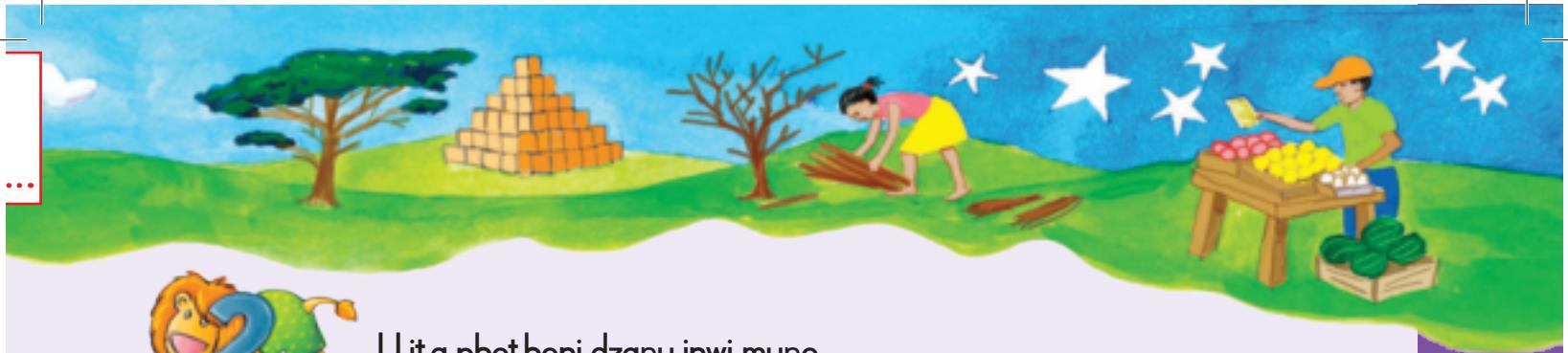
A 10x10 grid of squares. There are 10 black dots, one in each row, located at the intersections of the 2nd, 4th, 6th, 8th, and 10th columns.

c. Phetheni:

A Go board diagram consisting of a 13x13 grid of lines. Black circular stones are placed at the intersections of the following coordinates: (1,1), (1,3), (1,6), (1,9), (1,12), (2,2), (2,5), (2,8), (2,11), (3,4), (3,7), (3,10), (4,1), (4,13), (5,2), (5,5), (5,8), (5,11), (6,3), (6,6), (6,9), (7,1), (7,13), (8,2), (8,5), (8,8), (8,11), (9,1), (9,13), (10,2), (10,5), (10,8), (10,11), (11,3), (11,6), (11,9), (12,4), (12,7), (12,10), (13,1), (13,3), (13,6), (13,9), (13,12).

d. Phetheni:

A 19x19 Go board with 8 stones placed in the center. The stones are arranged in a 2x4 pattern, with one stone at the top-left, two in the middle row, and three in the bottom row.

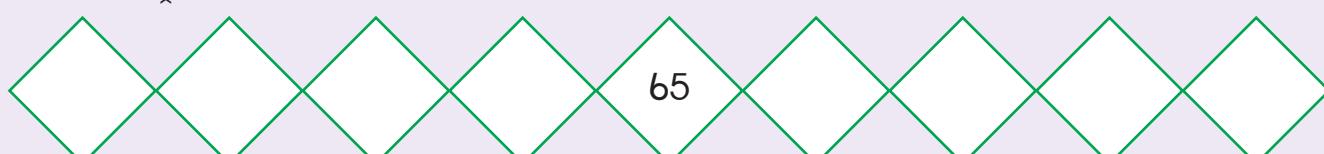


U ita phetheni dza^ñu inwi mu^ñe

- a. Kha phetheni ya nomboro iyi nomboro dzothé ndi ivini. Dziñwe nomboro dzi nga vha dzi nomborode? Dzi ñwaleni.



- b. Kha phetheni ya nomboro, nomboro dzothé ndi dza odo. Dziñwe nomboro dzi nga vha dzi nomborode? Dzi ñwaleni.



Dzi wela ngafhi?



Phetheni dza 3 na dza 4	Phetheni dza 3 na dza 5	Phetheni dza 4 na dza 5
tsumbo: 48		



Lwanzheni

Thembi u kuvhanganya khamba dza khumba dza lwanzheni dza vhukati ha **60 na 70**. U dzi vhala nga 3, u na 1 yo salaho. Nomboro dzine dza nga konadzea ndi: 61, _____, _____, 70. Musi a tshi dzi vhala nga t̄hanu (dzi5), u na tshit̄ahé tsha 4. Nomboro dzine dza nga konadzea ndi: _____, _____.

Thembi u na khamba nngana ? _____.



11 12 13 14 15 16 17 18 19 20

30a

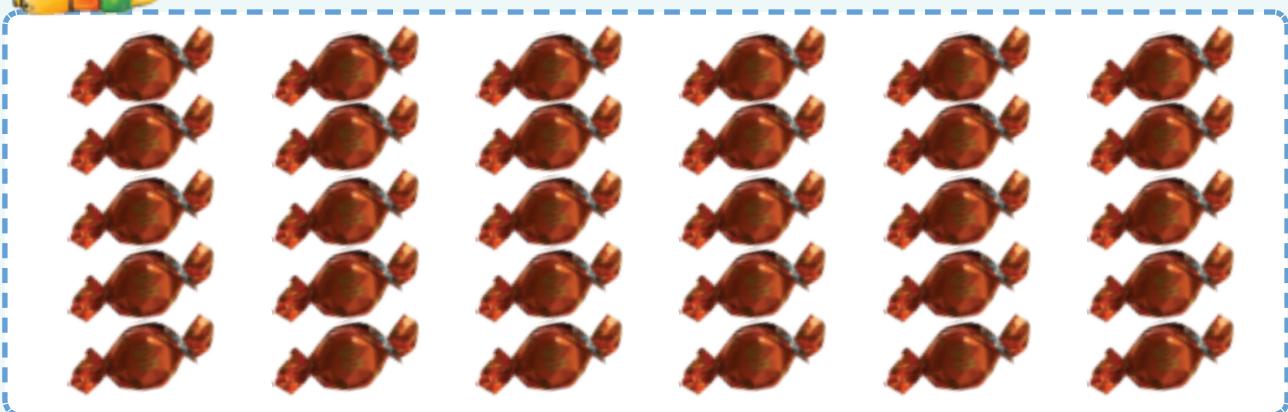
Dethi:

Themo ya |

Mukovho



Kovhani malegere



- a. Kovhelani vhana vha 2 malegere a 30.



Ri nga i nwala sa

$$30 \div 2 = 15$$

- b. Kovhelani vhana vha 3 malegere.



$$\div =$$

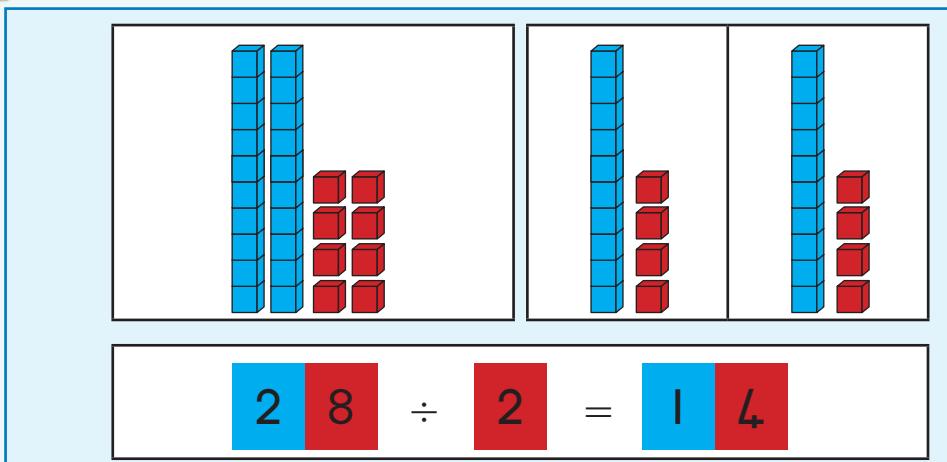
- c. Kovhelani vhana vha 5 malegere.



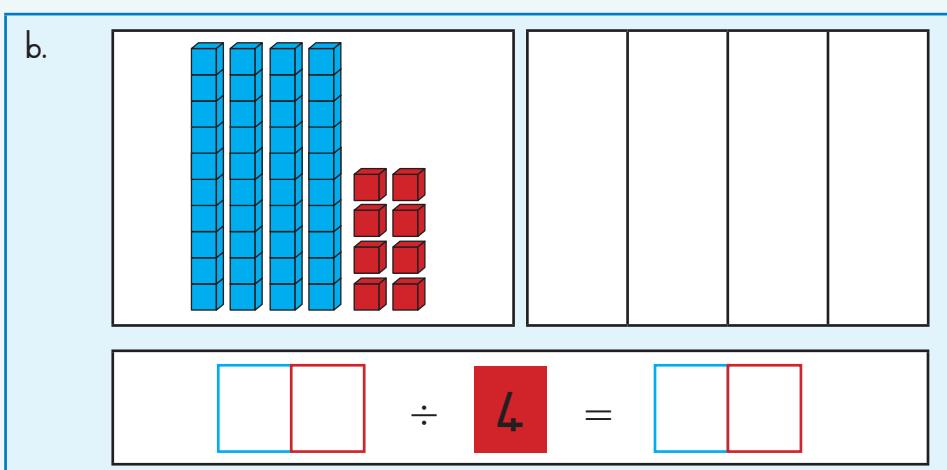
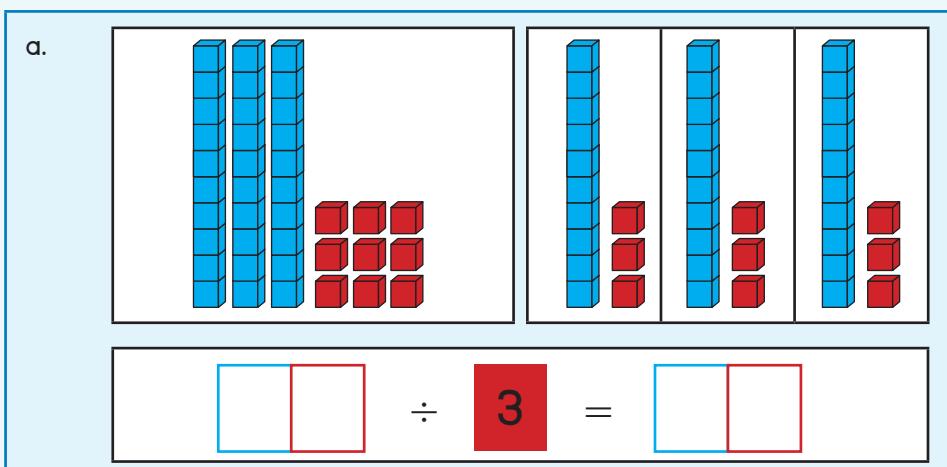
$$\div =$$



Ri nga shumisa zwibuloko zwa nomboro kha mukovho.



Zwino shumani hedzi.



Teacher:
Sign:
Date:

30b

Dethi:

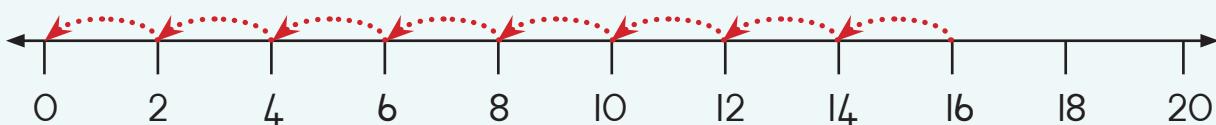
Themo ya |

Mukovho (dzi iswa phando)



Shumisani mitalombalo kha u kha u nwala fhungombalo la mutuso na la mukovho.

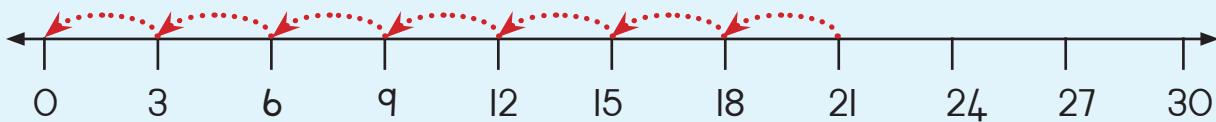
Tsumbo:



$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$

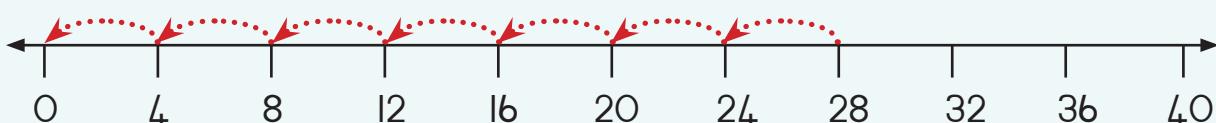
a.



$$21 - \underline{\quad} =$$

$$\boxed{\quad} \div \boxed{\quad} =$$

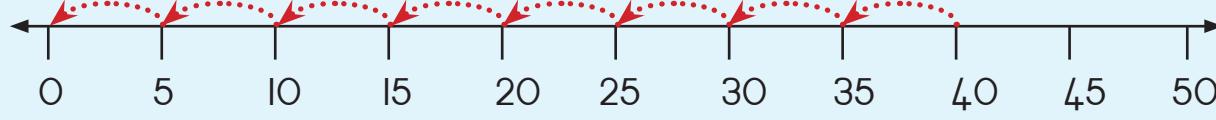
b.



$$28 - \underline{\quad} =$$

$$\boxed{\quad} \div \boxed{\quad} =$$

c.



$$\underline{\quad} - \underline{\quad} =$$

$$\boxed{\quad} \div \boxed{\quad} =$$



Talani mutalombalo ni u saukanye.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



e. $25 \div 5 =$



Khaedu

Sumbedzani ndila dzothé dzine
na nga kovhela vhana vha
zwigwadza zwo fhambananaho
malegere a 24 a tshi edana

Nwalani fhungombalo ni tshi
sumbedza phindulo.



Teacher:
Sign:
Date:

31

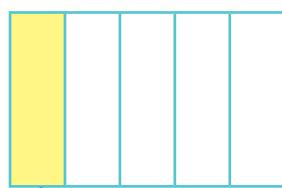
Dethi:

Themo ya |

Furakhisheni (zwipida)

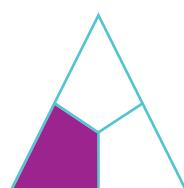


Livhanyani tshivhumbeo na furakhisheni.



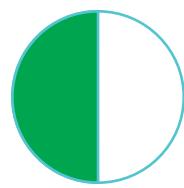
Tshararu

$$\frac{1}{3}$$



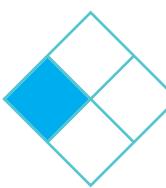
Tshathantu

$$\frac{1}{5}$$



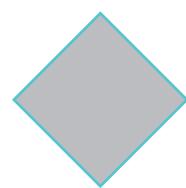
Kota nthihi

$$\frac{1}{4}$$



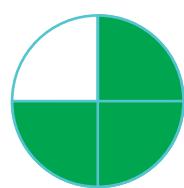
Hafu nthihi

$$\frac{1}{2}$$



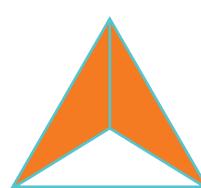
Kota tharu

$$\frac{3}{4}$$



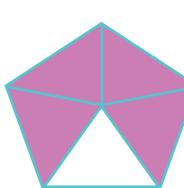
Tshainathantu

$$\frac{4}{5}$$



Nthihiyothé

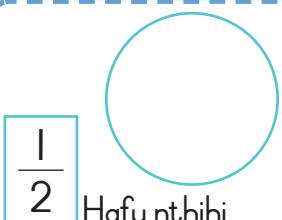
$$1$$



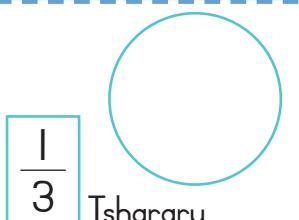
Tshambiliraru

$$\frac{2}{3}$$

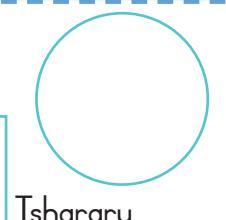
Kovhani ni khalare tshivhumbeo ni tshi sumbedza furakhisheni:



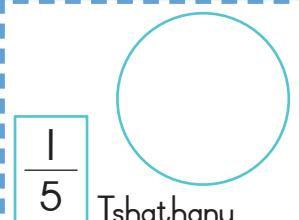
$$\frac{1}{2}$$



$$\frac{1}{3}$$



$$\frac{1}{4}$$



$$\frac{1}{5}$$



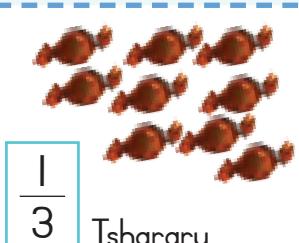
$$\frac{1}{5}$$

Sumbedzani furakhisheni nga u tangedzela tshivhalo tshi re tshone tsha malegere:



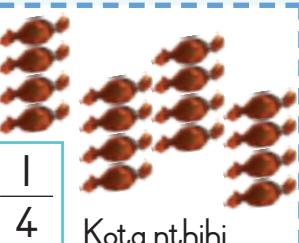
$$\frac{1}{2}$$

Hafu nthihi



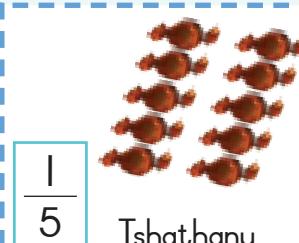
$$\frac{1}{3}$$

Tshararu



$$\frac{1}{4}$$

Kota nthihi



$$\frac{1}{5}$$

Tshathantu



Kovhelani vhana vhavhili zwivhaleli.

 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>					 <table border="1"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>				
<ul style="list-style-type: none"> Muñwe na muñwe washu o ñewa zwivhaleli zwa <u>2</u>. $\frac{1}{2}$ ya zwivhaleli zwa <u>4</u>. zwivhaleli zwa <u>2</u>. 	<ul style="list-style-type: none"> Muñwe na muñwe washu o ñewa zwivhaleli zwa ____. ____ ya zwivhaleli zwa ____ ndi ____. 	<ul style="list-style-type: none"> Muñwe na muñwe washu o ñewa zwivhaleli zwa ____. ____ ya zwivhaleli zwa ____ ndi ____. 	<ul style="list-style-type: none"> Muñwe na muñwe washu o ñewa zwivhaleli zwa ____. ____ ya zwivhaleli zwa ____ ndi ____. 																
$4 \div 2 = 2$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$																



Kovhelani vhana zwivhaleli.

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<ul style="list-style-type: none"> $\frac{1}{4}$ ya malegere = 3 $\frac{2}{4}$ ya malegere = ____ $\frac{3}{4}$ ya malegere = ____ $\frac{4}{4}$ ya malegere = ____ 	<ul style="list-style-type: none"> $\frac{1}{3}$ ya malegere = ____ $\frac{2}{3}$ ya malegere = ____ $\frac{3}{3}$ ya malegere = ____ 														



32



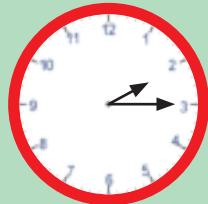
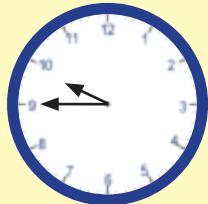
Dethi:

Themo ya |

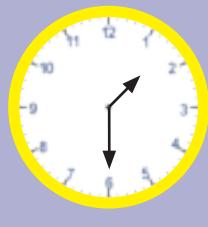
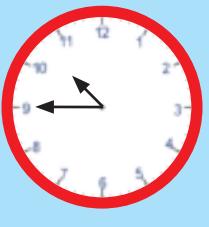
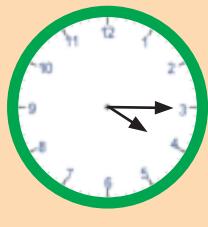


Ri mona sa watshi

Ri nga nwalani tshifhinga tshithihi nga ndila dzo fhambanaho.

		
<p>2:15 minete ya fumi^{hanu} u bva kha awara ya vhuvhili</p>	<p>5:30 minete ya mahumi mararu u bva kha awara ya vhut^{hanu}</p>	<p>9:45 minete ya mahumi ma^{na} na mi^{hanu} u bva kha awara ya tahe</p>

Nwalani izwi nga ndila dzo fhambanaho.

		
_____	_____	_____

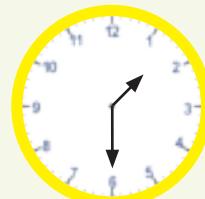


U ya hayani

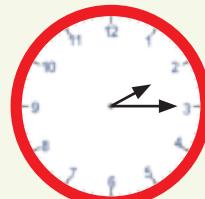
Zwi dzhiela Ben tshifhinga tshingafhani u swika hayani?

miminete

awara



Ben u takua tshikoloni.



Ben u swika hayani.



Tshifhinga nga 2 ...



Hu na ...

miminete mingana kha awara dza 2? _____

iri nngana kha mađuvha a 2? _____

mađuvha mangana kha vhege dza 2? _____

miňwedzi mingana kha miňwaha ya 2? _____



Dzi 27 dza Lambamai ndi Duvha la Mbofholowo.

Dzi 16 dza Fulwi ndi Duvha la Vhaswa.

Lambamai						
M	L	L	L	L	M	S
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					

Shundunthule						
M	L	L	L	L	M	S
					1	2
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		

Fulwi						
M	L	L	L	L	M	S
					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

- a. Ubva kha Duvha la Mbofholowo u ya kha Duvha la Vhaswa hu na miňwedzi ya _____ yo fhelelaho, vhege dza _____ dzo fhelelaho na mađuvha a _____ o fhelelaho.

- b. Ndi vhege nngana dzo fhelelaho dzo ḫangana? _____

Ndi mađuvha mangana o salaho? _____. Ndi mađuvha mangana othe? _____.

- c. Duvha la mabebo la Dovhani li swika kha mađuvha a 7 musi Duvha la Mbofholowo li sa athu surika.

Iolani. Vhambedzani.
Lulamisani.

Duvha la mabebo la Musa li da kha mađuvha mavhili nga murahu ha Duvha la Vhaswa.

Ndi nnyi muhulwane? _____ Nga mađuvha mangana? _____



11 12 13 14 15 16 17 18 19 20

33



Deithi:

Thagethe 200



Uvhala nomboro

Vhalani ni ambe nomboro dzot^he u bva kha 101 u swika kha 200. Sumbani ni tshi khou vhala.



Unwala nomboro

- a. Nwalani nomboro i no khou tahela tshibogisini tshiñwe na tshiñwe tsha lutombo.
 - b. Nwalani džiñwe nomboro dzothe.
 - c. Nwalani nomboro dza 10 dži no tevhela 200.

200; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____



Ńwalani nomboro dzi no khou t̄ahela

200

180

200		180				
						110
50						
						0

b 87

107

167

207

237



Fhedzisani

200	+	30	+	5	=	235
200	+	40	+	7	=	_____
200	+	60	+	8	=	_____
	+		+		=	293
	+		+		=	256

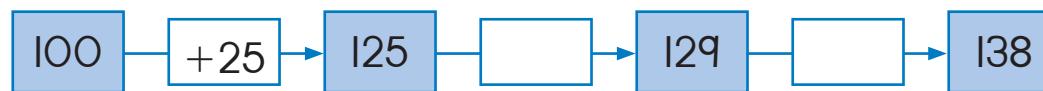
Nwalani nomboro idzi dzi tshi tou
tevhekana u bva kha ṭhukhusa u
ya kha khulwanesa.



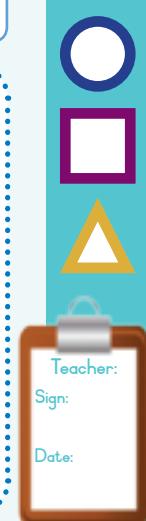
Uvhalalubya kha 100

Wanani uri ni tea u vha na mini u itela u swika kha nomboro i no tevhela.

Thoman



Gymnasi



34

Dethi:

Themo ya 2



U shuma na zwigwada zwa nomboro

Upaka makhandela

Vho Mankosi vha shuma l̄imagani l̄a makhandela.
Musi makhandela o no luga, vha a paka mabogisini a re kha dzi shelefū.



Hu na makhandela mangana bogisini l̄inwe na l̄inwe? _____

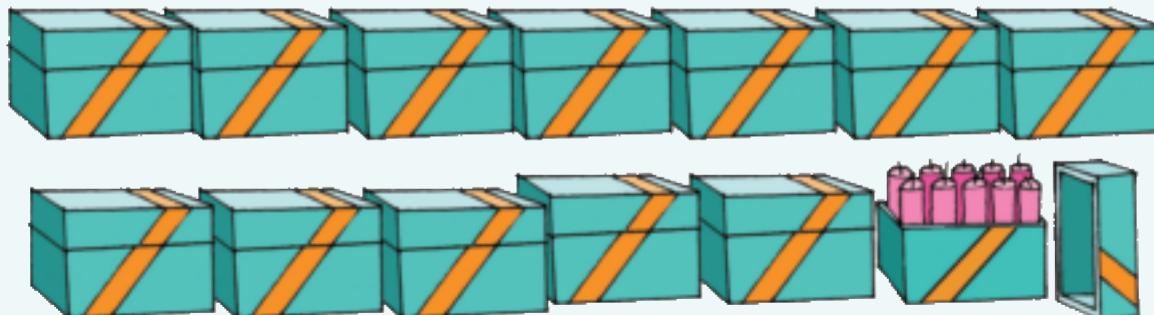
Hu na mabogisi mangana kha shelefū iñwe na iñwe? _____

Hu na makhandela manga kha shelefū iñwe na iñwe? _____



Mabogisi a makhandela

Vho Mankosi vha vala mabogisi .



- a. Vhalani mabogisi othe

Hu na mabogisi mangana? _____

Hu na makhandela mangana o tangana othe? _____

Ndi mabogisi mangana marwe ane vha tea u a dadza u itela uri vha vhe na makhandela a 200 ? _____

- b. Hu na makhandela mangana:

Mabogisini a 2? _____	Mabogisini a 4? _____
Mabogisini a 5? _____	Mabogisini a 3? _____
Mabogisini a 6? _____	Mabogisini a 7? _____

- c. Vha toda mabogisi mangana:

Mabogisi a 40 _____	Mabogisi a 70 _____
Mabogisi a 50 _____	Mabogisi a 30 _____



35a

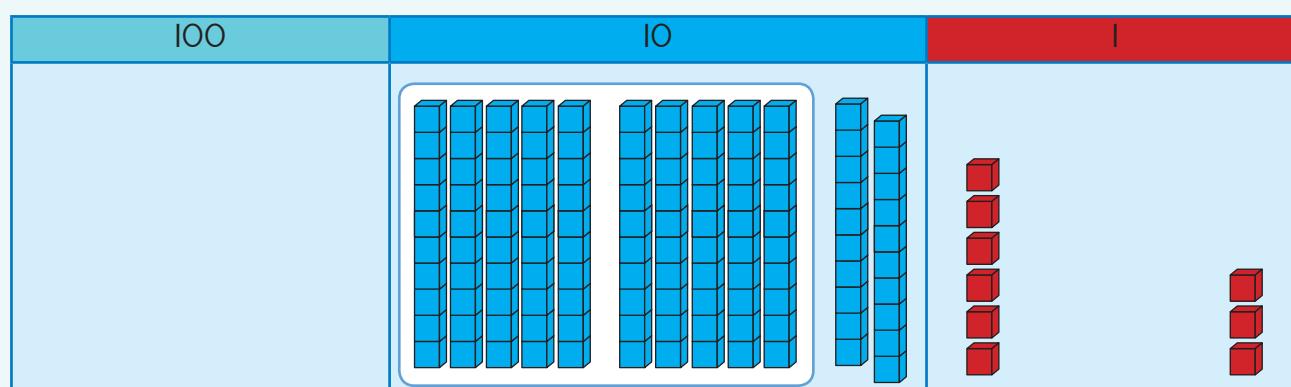
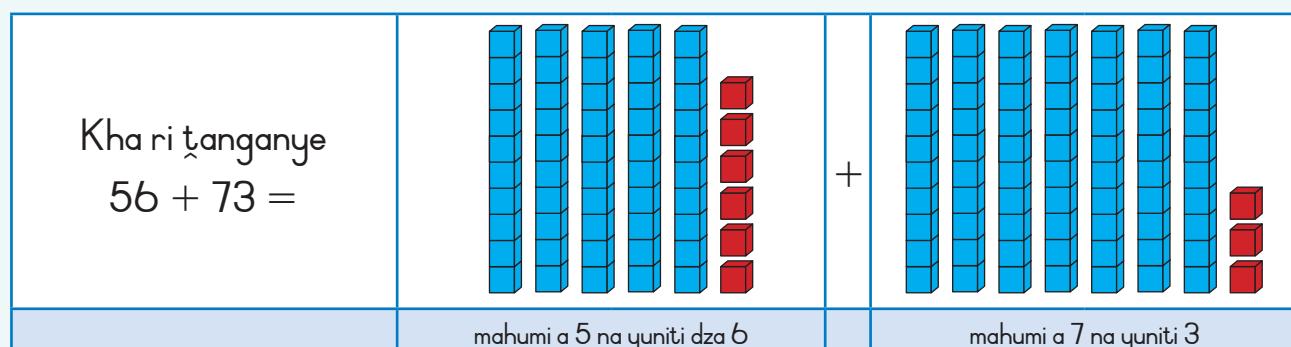
Dethi:

Themo ya 2

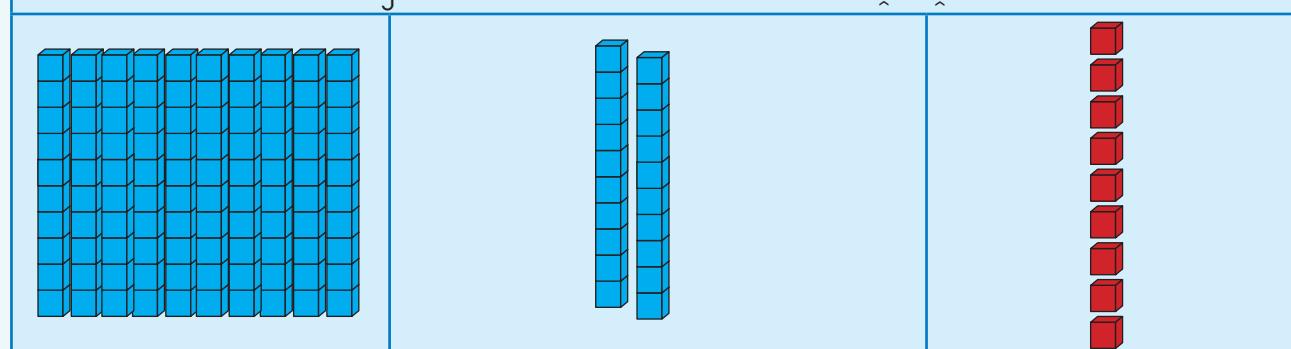


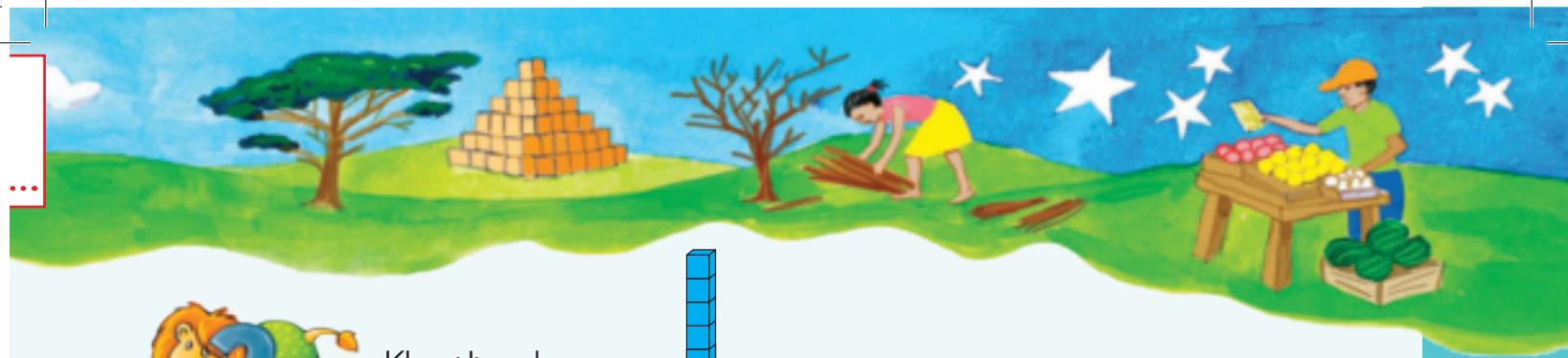
U vhea mahumi fhethu huthihi na u a fhandekanya

U vhea mahumi fhethu huthihi musi ri tshi ḥanganya kha qqq

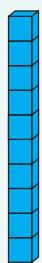


Zwo ḥangana ri na yuniti dza 12.
Ri nga vhea mahumi a 10 fhethu huthihi uri a ite ḫana ja 1.





Kha ri lingedze



= kana =

Tsumbo: $82 + 34$



$$100 + 20 + 6 = 126$$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



11 12 13 14 15 16 17 18 19 20

35b

Dethi:

Themo ya 2



U vhea mahumi fhethu huthihi na u a fhandekanya (dzi iswa phanda)

U vhea zwigwada fhethu huthihi

U shumisa zwibuloko zwanu zwa vhuimo ha nomboro.

Shumisani zwibuloko zwa muteo wa mahumi kha u sika nomboro idzi mbili.	Ndi mahumi mangana o tangana otthe? ndi yuniti nngana?	No vhea nga zwigwada mahumi kana yuniti naa? Tolani vhuimo ha nomboro he na vhu vhea nga zwigwada.	Nwalani nomboro.
23 + 99 =	mahumi a _____ yuniti dza _____	Mahumi a II + Yuniti dza I2 = IIO + I2	I22
38 + 25 =	mahumi a _____ yuniti dza _____		
77 + 31 =	mahumi a _____ yuniti dza _____		
68 + 45 =	mahumi a _____ yuniti dza _____		
83 + 47 =	mahumi a _____ yuniti dza _____		



U fhandekanya mahumi musi ri tshi tusa

Musi ri tshi tusa, tshinwe tshifhinga ri tea u sumbedza fumi nthihi sa yuniti dza fumi, kana dan a lthihi sa mahumi a IO.

Kha ri tuse: **60 - 55 =**

Ri thoma nga mahumi a rathi na thihi nthihi. Ri khou todou tusa mahumi matanu na thihi thanu.

(Zwine ra tusa ro zwi khalara nga muvhala musetha)

Ri nga sumbedza mahumi a rathi nga hei ndila.	Kana sa mahumi matanu na yuniti dza fumi	Tusani mahumi matanu na yuniti thanu. Ho sala yuniti thanu.	
		$60 - 55 = 5$	



Kha ri edzise

a. $70 - 28$

mahumi a 7	mahumi a 6 na yuniti dza 10	$70 - 28 =$	

b. $90 - 46$

c. $80 - 53$



U wana phere ya nomboro

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	



11 12 13 14 15 16 17 18 19 20

36

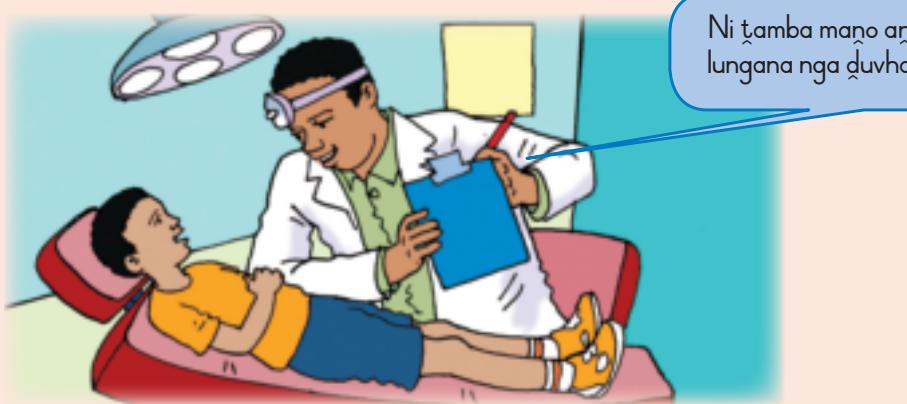
Dethi:

Themo ya 2



U ya ha dokotela wa mano

Tshigwada tsha vhana tshi dalela dokotela wa mano.



Vhana vha mu t̄alutshedza.



hezwi = lwa |

	✓	✓	✓	✓	✓	✓	✓	✓				
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓							

a. Vhalani dzithiki (✓) dici no sumbedza uri vhana vha t̄amba mano lungana. Nwalani nomboro.

	Luthihi nga d̄uvha	
	Luvhili nga d̄uvha	
	Luraru nga d̄uvha	

b. Ni nga t̄alutshedza zwifhio?

Vhunzhi ha vhana vha t̄amba mano _____ nga d̄uvha.

Hu na vhana vha _____ kha tshigwada.



Olani phikhitogirafu i no sumbedza uri vhana vha ṭamba maṇo lungana nga ḫuvha.



Itani ṭhodisiso kīlasini yaṇu. Vhudzisani vhagudi vha 15 – 20.

- Vha ṭamba maṇo lungana nga ḫuvha? _____
- Olani girafu ya zwifanyiso i no fana na i re afho nt̄ha ni tshi sumbedza zwe na wana.



11 12 13 14 15 16 17 18 19 20

37a

Dethi:

Tanganyani na u badekanya



U ንwala ተhanganyelo yanu

Malindi u kona u ተanganya **yuniti** na **mahumi** a dici vhea nga zwigwada. A nga ተanganya na u ቴusa kha bammbiri, hu si na zwibuloko. Tshiñwe tshifhinga u takalela u thoma nga magarača a nomboro awe u sumbedza nomboro.

Zwenezwo kha ተhanganyelo $56 + 73$, u wana magarača haya:

$$\begin{array}{r} 50 \\ + 70 \\ \hline 120 \end{array}$$

U ተanganya l a vhea fhasi garača.

U a ዓivha uri: $50 + 70 = 120$.

U doba garača l a **madana**, na l a 20 na l a 9 a u ita

nomboro ya didzhiti dza 3.

q

$$\begin{array}{r} 100 \\ + 20 \\ \hline 120 \end{array}$$

U i ንwala nga hei ndila:

$$\begin{aligned} 50 + 70 + 6 + 3 \\ = 50 + 70 + 9 \\ = 120 + 9 \\ = 100 + 20 + 9 \\ = 129 \end{aligned}$$



Dumi u a ተalukanya uri zwibuloko zwi shuma nga ndilade. U shuma $56 + 73$ nga hei ndila:

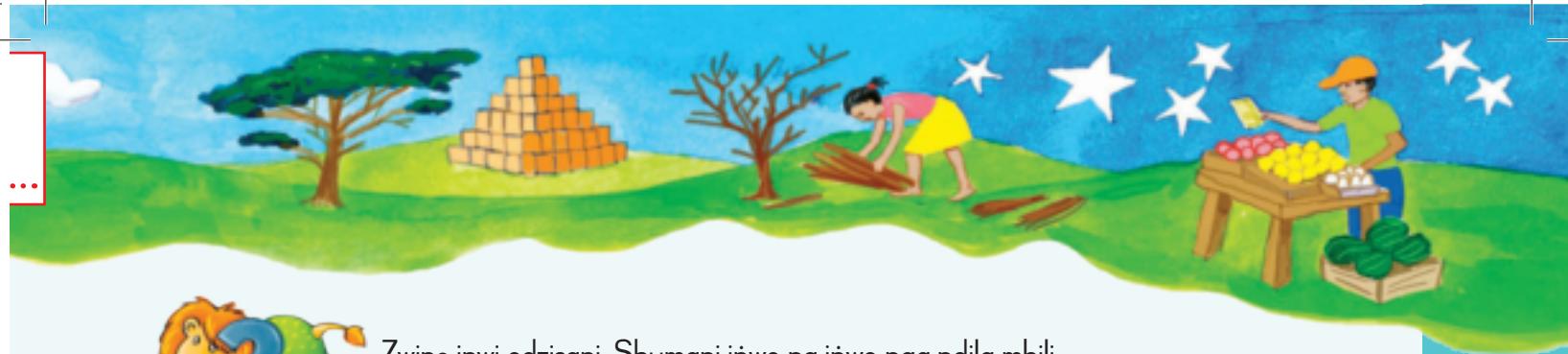
$$\begin{aligned} 50 + 6 + 70 + 3 \\ \swarrow \quad \searrow \\ 120 + 9 \\ = 129 \end{aligned}$$



Akar u pfana na u sendedza tsini. U zwi ita nga hei ndila:

$$\begin{aligned} 56 + 73 \\ = 50 + 70 + 10 - 1 \\ = 130 - 1 = 129 \end{aligned}$$





Zwino inwi edzisani. Shumani inwe na inwe nga ndila mbili.

a. $86 + 62$

Ndila (kushumele) ya Malindi

$$80 + 60 + 6 + 2$$



Ndila (kushumele) ya Dumi

$$80 + 6 + 60 + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Shumisani ngona ya Aakar kha u shuma heyi mbalo.



Teacher:
Sign:
Date:

37b



Dethi:

Themo ya 2



Tanganyani na u badekanya (hu iswa phanda)

Zwino kha ri tuse.

a. $87 - 53$

Ndila ya Malindi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



Ndila ya Dumi

$$80 + 7 - 50 + 3$$

$$\cancel{80} + \cancel{7} - 50 + 3$$

$$= 30 + 4$$

$$= 34$$

b. $95 - 73$

c. $86 - 62$

d. $85 - 69$



Thasululani!

Hu na ndila nnzhi dza u ḥanganya **yuniti** na **mahumi**. Nangani ndila ine na i ḫivha na u i takalela ya u thasulula mbalo (thaidzo) idzi. Sumbedzani kushumele kwanu.

- a. Ndalamo u thoma nga u fula maberegisi a 34 a tevhela nga maberegisi a 67.

Hu na maberegisi mangana o ḥangana othe?



- b. Vhana vha ha Mualusi vho ḥangana vho vhulunga R47.

Mme avho vha vha engedza nga R55. Vha na vhugai zwino?



- c. Bisi ya vhana vha tshikolo i tshimbila lwendo lwa 88 km nga matsheloni na 73 km nga masiari. Ndi km nngana dzo ḥangana dzithe?



Teacher: _____
Sign: _____
Date: _____

38



Dethi:



Zwithivho zwa mabodelo

I tanduleni!

Shumisani ndila iñwe na iñwe ine na funa.
Sumbedzani mushumo wanu.



Sipho



Andile

Sipho u vhala zwithivho zwa 87 zwa mabodelo. Andile u vhala zwa 94.

Zwithivho zwa mabodelo zwine Sipho a zwi vhala zwi fhira zwa Andile nga zwingana?



Khontsati ya tshikolo



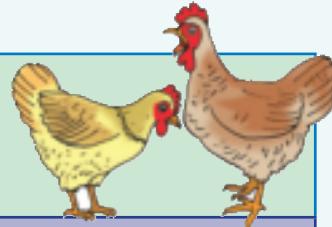
Musa

Mulalo u rengisa thikhithi. O thoma e na thikhithi dza 92. O sala na dza 67.

U swika zwino Musa o rengisa thikhithi nngana?



Ndowendowe dzinwe



Hu na zwikukwana zwa 69 hokoni nthihi na zwa 95 kha inwe.

Hu na khuhu nngana dzo ṭangana dzothé?

Vhalani uri Gugu na Aakar vho tandululisa hani thaidzo.

Ndila ya Gugu

$$\begin{aligned} & 60 + 90 + 9 + 5 \\ & = 100 + 50 + 14 \\ & = 150 + 10 + 4 \\ & = 164 \end{aligned}$$



Ndila ya Aakar

$$\begin{aligned} & 69 + 95 \\ & = 70 + 95 - 1 \\ & = 70 + 90 + 5 - 1 \\ & = 160 + 4 \\ & = 164 \end{aligned}$$

Ndi a ṭusa. Ni a divha
uri ndi ngani?



- a. Vhatukana vha kuvhanganya R96 ya lwendo lwa kilasi. Vhasidzana vha kuvhanganya R79. Vha kuvhanganya vhugai yo ṭangana yoṭhe?

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar

- b. Tshikolo tshithihi tshi kuvhanganya 76 kg dza zwikotikotí. Tshiñwe tshikolo tsha kuvhanganya 68 kg dza zwikotikotí. Ndi kg nngana dza zwikotikotí dzine zwikolo zwivhili zwa kuvhanganya dzo ṭangana dzothé??

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar



Teacher:
Sign:
Date:

39

Dethi:

Themo ya 2



U vhala na u vhalela

U wana tshipida

Nwalani nomboro dzi no khou ḫahela.

a.

100
27

b.

100
39

c.

100
43

d.

100
56

e.

200
140

f.

200
110

g.

200
135

h.

200
120

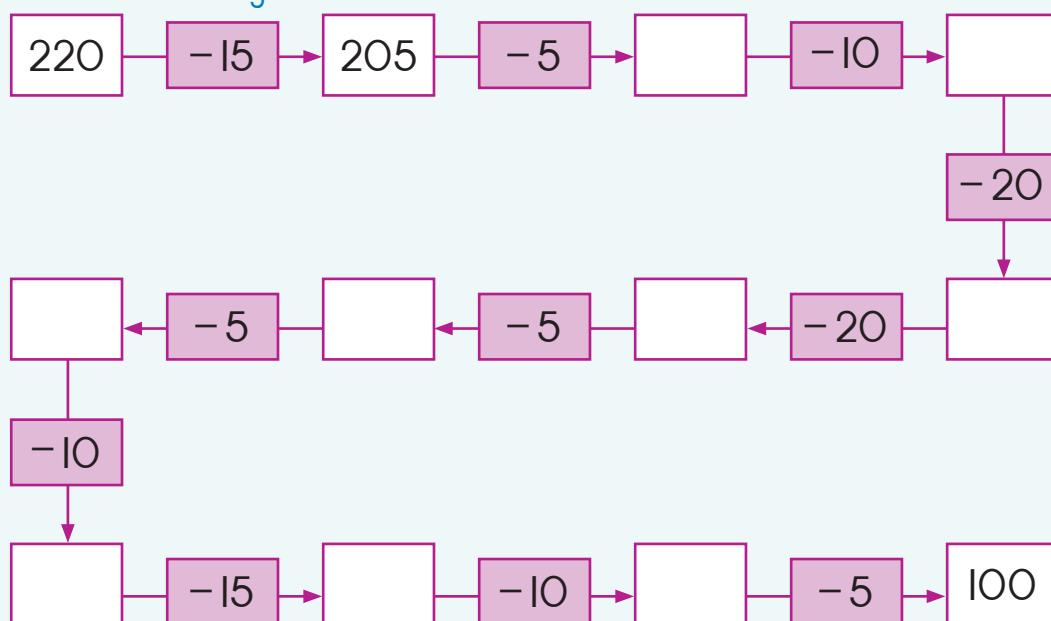


U bva 220 u ya kha 100

Tevhelani misevhe.

Dadzani tshibogini tshinwe na tshinwe tsha phindulo nga nomboro ine na i wana musi no no ḫusa nomboro i re tshibogisini tsha pinki.

Ro dzula ro ni itela ya u thoma.



Ndila ya u ḫola phindulo dzañu khei.

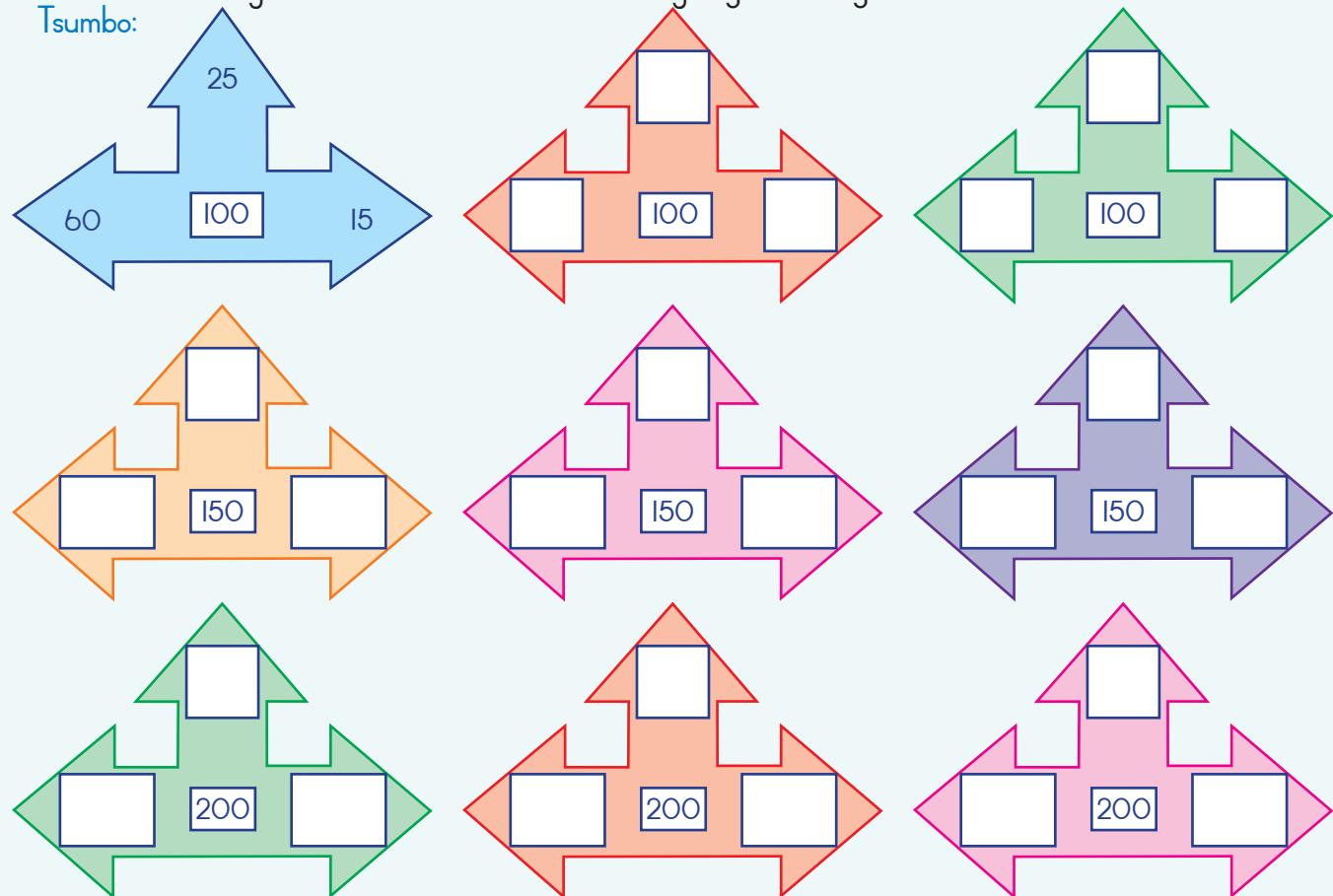
Thomani kha 100. Shumani ni tshi ya murahu kha 220.

Fhedzi zwino, ḫanganyani nomboro.



Miṭa ya vhararu

Tsumbo:



U fhira nga 50 na u vha fhasi nga 50

Nwalani phindulo kha rou ya 2.

	70	125	150	81	96	122	134	III	70
+50									
	120								
-50									
	186	200	158	179	139	79	126	138	99
	136								

Teacher: _____
Sign: _____
Date: _____

40

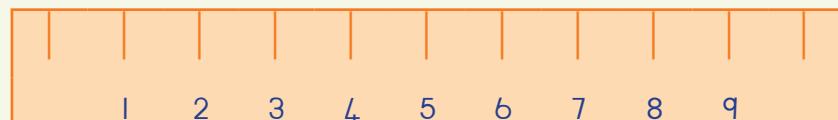
Dethi:

Themo ya 2

U ela nga dzisenthimitha



Senthimitha yo lapfa lungafhani?



Nomboro dici re kha ru \ddot{a} dzo imela dzisenthimitha.

Ri shumisa abiriviesheni kana tshiga cm.

Musi ni tshi shumisa ru \ddot{a} , ni tea u thoma u ela u bva kha O.

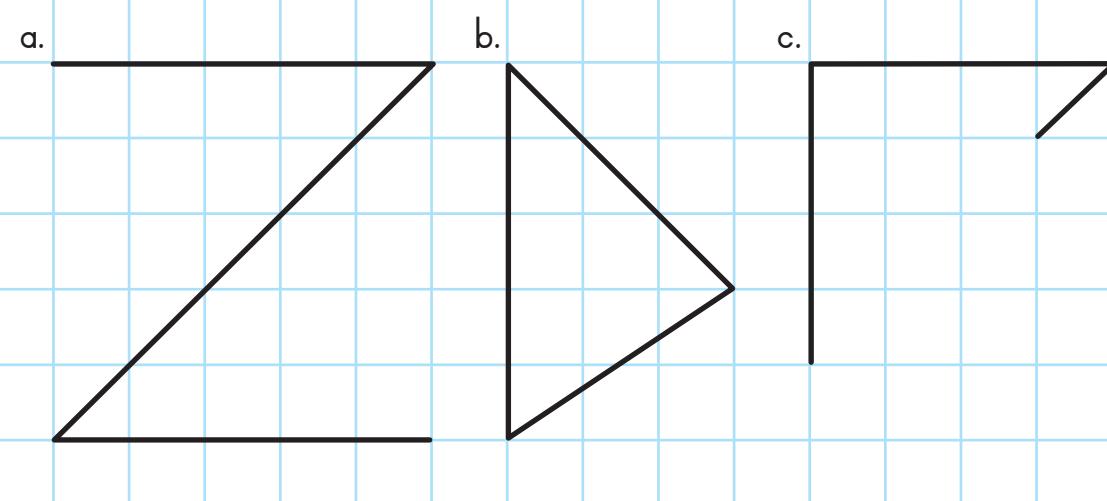
Dziñwe ru \ddot{a} a dici sumbedzi O u fana na iyi i re kha siatari ili.

Wanani zero cm kha ru \ddot{a} . Nwalani O kha ru \ddot{a} .

10 cm i wanala ngafhi kha ru \ddot{a} ? Nwalani 10 henefho.



Anganyani, ni kone u pima nga ngona nga ru \ddot{a} yanu, thanganyelo ya vhulapfu ha mitaladzi iyi nga cm.



a. Anganyani	<input type="text"/>	cm	b. Anganyani	<input type="text"/>	cm	c. Anganyani	<input type="text"/>	cm
Pimani (Elani)	<input type="text"/>	cm	Pimani (Elani)	<input type="text"/>	cm	Pimani (Elani)	<input type="text"/>	cm



Mutalo muriwe na muñwe wo lapfa lungafhani?

Mutalo muriwe na muñwe wo lapfa cm nngana?

Shumisani munwe wañu uri u ni thuse kha u dzhia tsheo.

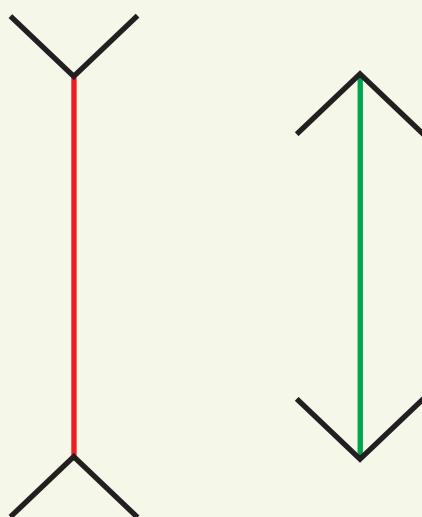
a. ——————	<input type="text"/> cm	d.	<input type="text"/> cm
b. ——————	<input type="text"/> cm	e. ——————	<input type="text"/> cm
c. ——————	<input type="text"/> cm	f. ——————	<input type="text"/> cm



Ni na vhutanzi naa?

Ndi tshifhio tshi re tshilapfu, mutalo mutswuku kana mutalo mudala naa?

Ni nga zwi ṭola hani?



Izwi ndi zwine zwa vhidzwa u pfí vhutolo ha mañó. Zwi ambiwa musi mañó añu o itwa uri a vhone tshithu tshi siho. Mitalo mivhili i na vhulapfu hu no edana. Mitalo mitswu i no khou ṭotomotshela nnđa i ita uri mutalo mutswuku u vhonale u mulapfu ngeno mitalo mitswu i no khou ṭotomotshela ngomu i tshi ita uri mutalo dala u vhonale u mupfufhi.



41



Dethi:

Themo ya 2

Thagethe 300



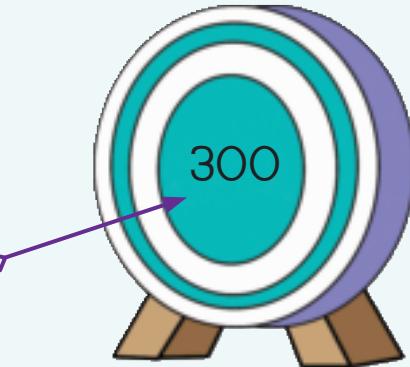
Vhalani ni nwale 200

Vhalani u bva kha 201 u swika kha 300.

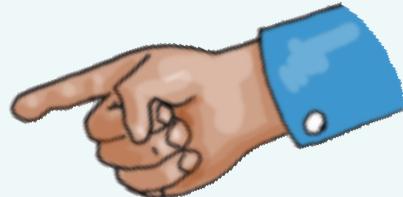
Sumbani ni tshi khou ralo u vhala.

Ni kone u thoma nga u dzenisa nomboro afho zwibogisini zwa muvhala wa lutombo.

Nwalani nomboro dziñwe dzothé.

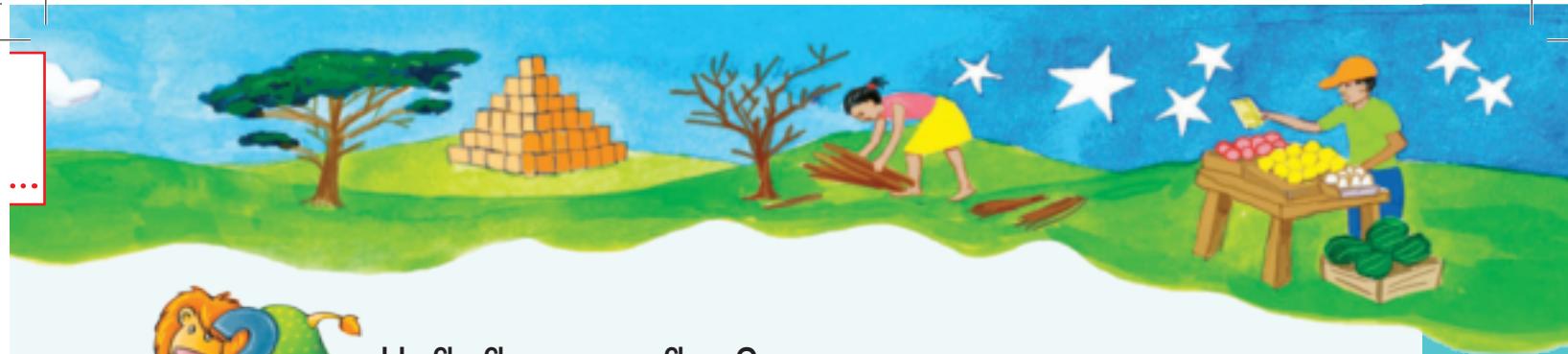


201					207			210
211								
221								
231								
								249
				254				
								265
								273
281					286			280
								298
								300



Nwalani nomboro dza 10 dzi no tevhela 300.

300; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____



Hu fhufhiwa zwingafhani?

30I

28I

I7I

2II

I0I



U sumbedza na u vhambedza

- a. Nwalani nomboro dzine dza dzhena kha garata iñwe na iñwe.

298;

208;

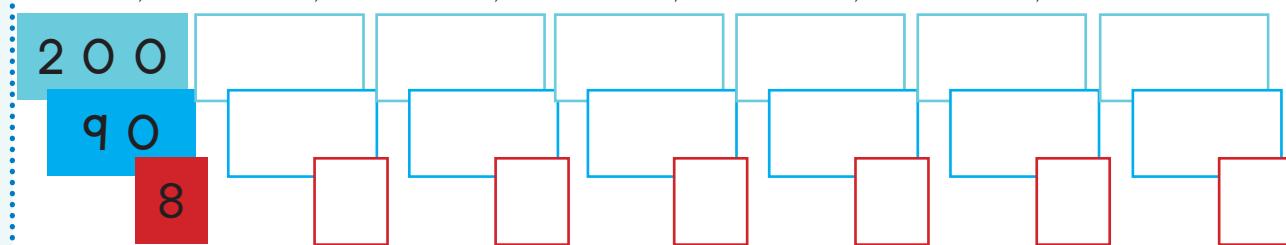
30I;

276;

227;

269;

3II



- b. Nwalani nomboro idzi dzi tshi tou tevhekana u bva kha t̄hukhusa u ya kha khulwanesa.

_____ ; _____ ; _____ ; _____ ; _____ ; _____



Tshanduko ndi ifhio? Nwalani nomboro dzi no khou t̄ahela.

Thomani



Gumani



11 12 13 14 15 16 17 18 19 20

42

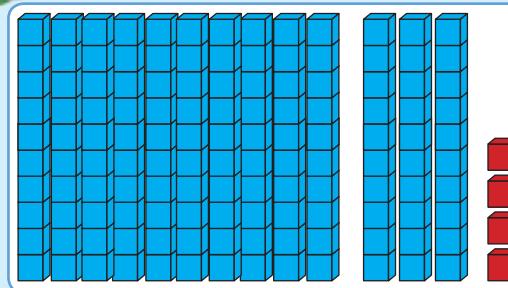
Dethi:

Themo ya 2

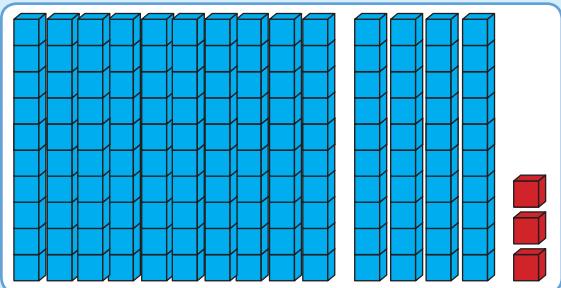


U tanganya na u tusa nga dziloo

U shumisa zwibuloko kha u tanganya



+



$$\begin{array}{r} 100 \quad 30 \quad 4 \\ + \end{array}$$

$$\begin{array}{r} = 200 \quad 70 \quad 7 \\ = 277 \end{array}$$



Tevhedzani ngona mbili. Sumbedzani phindulo iñwe na iñwe nga ndila mbili.

a. $132 + 123$

Ndila ya Malindi

$$\begin{aligned} &= 100 + 100 + 30 + 20 + 2 + 3 \\ &= 200 + 50 + 5 \\ &= 255 \end{aligned}$$

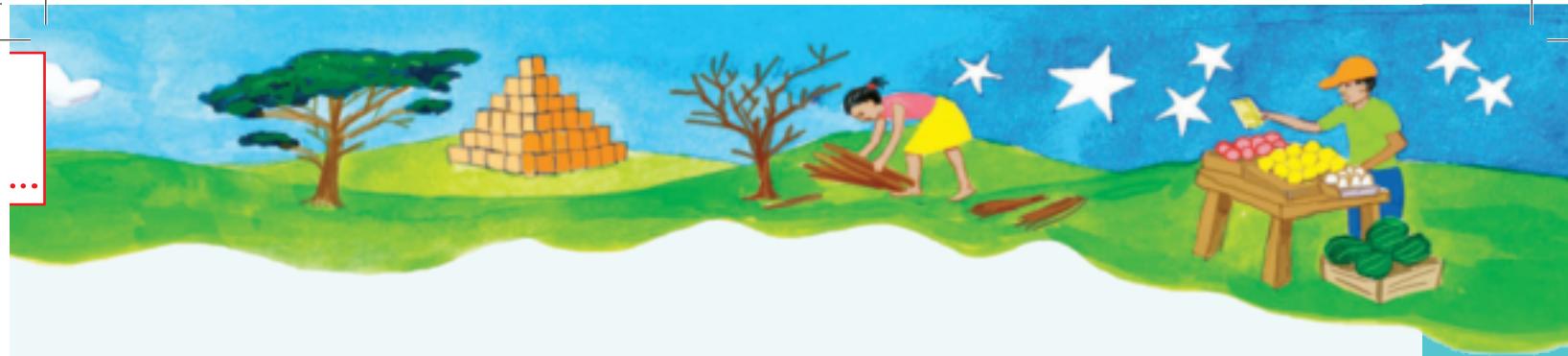


Ndila ya Dumi

$$\begin{aligned} &\cancel{132 + 123} \\ &= 200 + 50 + 5 \\ &= 255 \end{aligned}$$



b. $114 + 162$



c. $276 + 148$



Lavhelesani ndila dza avha vhathe ni tuse.



a. $158 - 146$

Ndila ya Malindi

$$\begin{aligned} &= 100 - 100 + 50 - 40 + 8 - 6 \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$

Ndila ya Dumi

$$\begin{aligned} &\cancel{1}5\cancel{8} - \cancel{1}4\cancel{6} \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$



b. $194 - 122$

c. $288 - 199$



Teacher:
Sign:

Date:

43

Dethi:

Themo ya 2

Thagethe ya 400

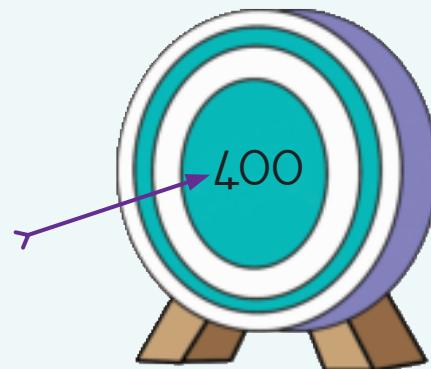


U vhala na u nwala dzi 400

U vhala u bva kha 300 u swika kha 400.

Bulani nomboro ni tshi khou ralo u vhala.

Nwalani nomboro dzi no khou t̄ahela kha giridi.



301								310
				315				
					330			
331			335					
						249		
				365		368		
		273						
							390	
								400

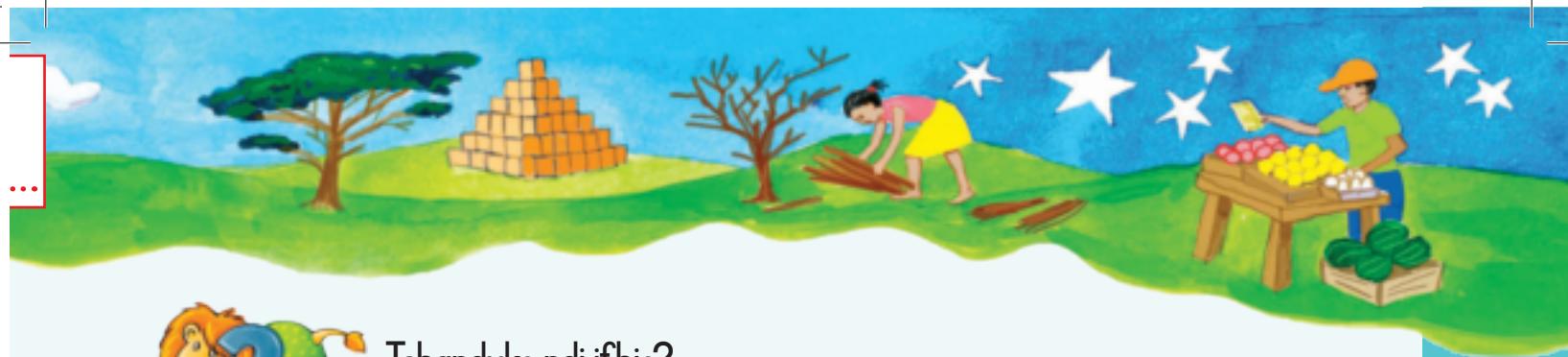


Nwalani nomboro dza 9 dzi no tevhela 400.

400; _____; _____; _____; _____; _____; _____; _____; _____;

100

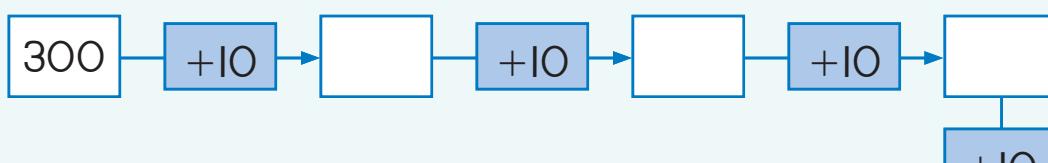
1 2 3 4 5 6 7 8 9 10



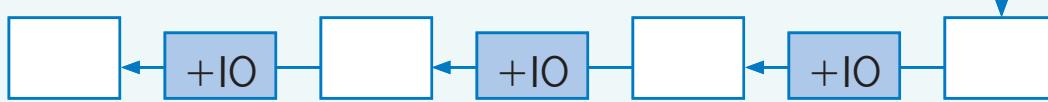
Tshanduko ndi ifhio?

a. U vhala ri tshi ya phanda u bva kha 300

Thomani

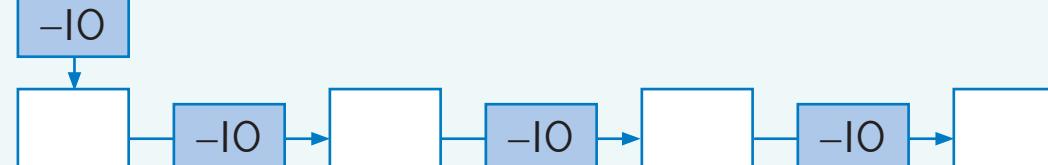
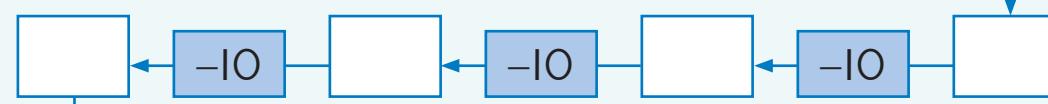
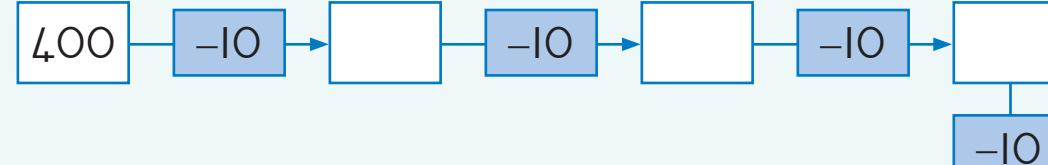


Gumani



b. Vhalani u bva kha 300

Thomani



Gumani



Nwalani sa nomboro nthihi.

$300 + 20 + 4 = \underline{\hspace{2cm}}$

$300 + 10 + 5 = \underline{\hspace{2cm}}$

$300 + 50 + 3 = \underline{\hspace{2cm}}$

$300 + 70 + 7 = \underline{\hspace{2cm}}$

$300 + 60 + 2 = \underline{\hspace{2cm}}$

$300 + 90 + 9 = \underline{\hspace{2cm}}$

$300 + 80 + 1 = \underline{\hspace{2cm}}$

$300 + 40 + 8 = \underline{\hspace{2cm}}$

Nwalani nomboro idzi dzi tshi tou tevhekana u bva kha thukhusa u ya kha khulwanesa.

 , , , , , , ,



Teacher:
Sign:
Date:

44

Dethi:

Themo ya 2



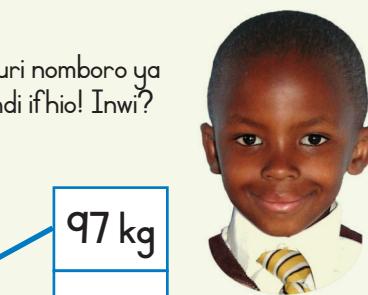
Nomboro ya tshipentshela

Tanganyani na u የwala phindulo.

78 kg
96 kg
84 kg
66 kg
94 kg

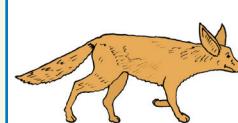


Sendedzani tsini ni ተanganye!



Ndi a zwi ደivha uri nomboro ya tchipentshela ndi ifhio! Inwi?

97 kg



Humbulani nga vhuṭali!

Phunguhwe kg dza 25	Tshibode kg dza 98	Pfene kg dza 59	Mbidana kg dza 88	Phelikheni kg dza 9

Sendedzani tsini tshileme tsha tshipuka tshiñwe na tshiñwe tshi ደ kha 10 kg ya tsinisa.

Nwalani tshileme tsha tshipuka tshiñwe na tshiñwe tshi tevhekana nga ngona u thoma kha tshi no leluwa u ya kha tshi no lemela.

Anganyani tshilemegutę tsha zwipuka zwa 5.



Tanganyani zwileme zwazwo



Ndi nga di vha ndi sa lemeli u fana na inwi. Ndi tshibode tsha kale, fhedzi ndi na vhutanzi uri ndi na luvhilo!

Maga



- Shumisani zwivhalo zwañu zwo sendedzwaho tsini.
- Anganyelani tshileme tsha tshipuka tshiñwe na tshiñwe kha rou iñwe na iñwe.
- Vhalelani thanganyelo.
- Vhambedzani thanganyelo mbili ni ñwale phambano.

	Ndi a anganya	Ndi a vhalela	Phambano
+			
+ +			
+ +			



Tshileme tsha Vusi

Tolani. Vhambedzani. Lulamisani.

Vusi u tanganyisa tshileme tshawe na tshileme tsha na tsha .

Thanganyelo ya tshileme tshavho ndi kg dza 239. Vusi u lemela zwingafhani? Sumbedzani phindulo yanu.



Tshileme tshanga ndi tshingafhani?

Tambani kha tshigwada. Sielisanani ...

Tanganyisani tshileme tshañu na tshileme tsha zwiñwe zwa zwipuka. Shumaní thanganyelo. Vhudzani phindulo tshigwada. Ni songo vha sumbedza mushumo wañu! Vha tea u lingedza u shuma tshileme tshañu.



45



Dethi:

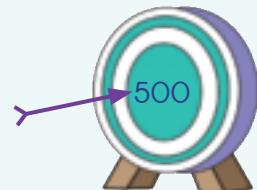
.....

Themo ya 2



U vhalala na u nwala

401				405				410
411								420
	422				427			
		434						
			446					
					458			
462							470	
		473			477			
481							490	
							499	500



- a. Vhalani u bva kha 400. Bulani nomboro ni tshi khou ralo u vhalala.
- b. Nwalani nomboro dzo ṭahelaho afho kha giridi.
- c. Nwalani nomboro dza 9 dici no tevhela 500.

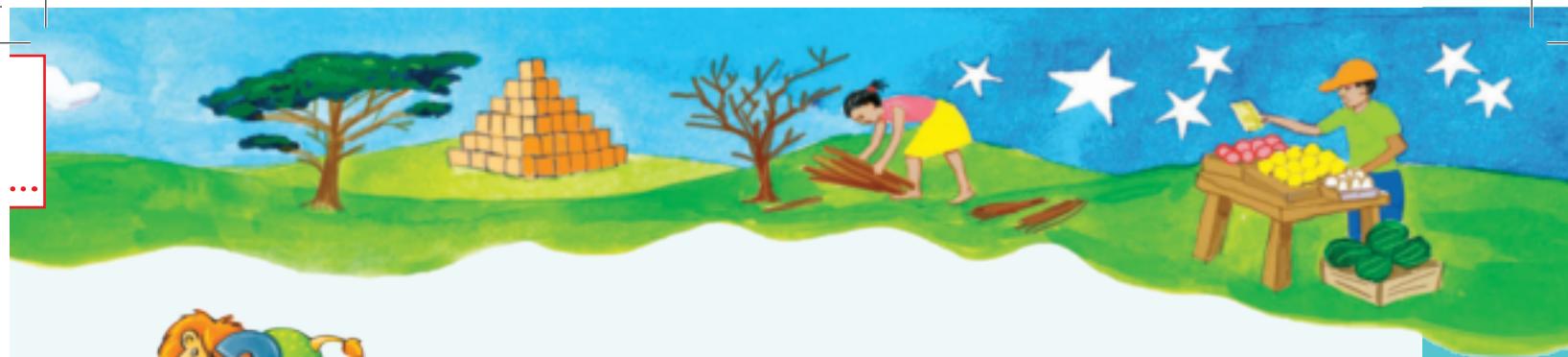
500; _____; _____; _____; _____; _____; _____; _____; _____; _____

- d. Vhalani nga 2. Nwalani nomboro dza 8 dici tevhelaho nga **phetheni ya 2**.

400; 402; _____; _____; _____; _____; _____; _____; _____; _____

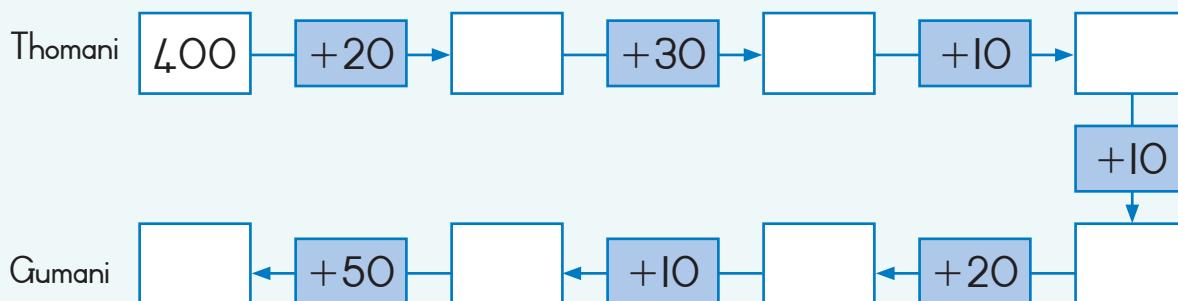
- e. Vhalani nga 5. Nwalani nomboro dza 8 dici tevhelaho nga **phetheni ya 5**.

400; 405; _____; _____; _____; _____; _____; _____; _____; _____

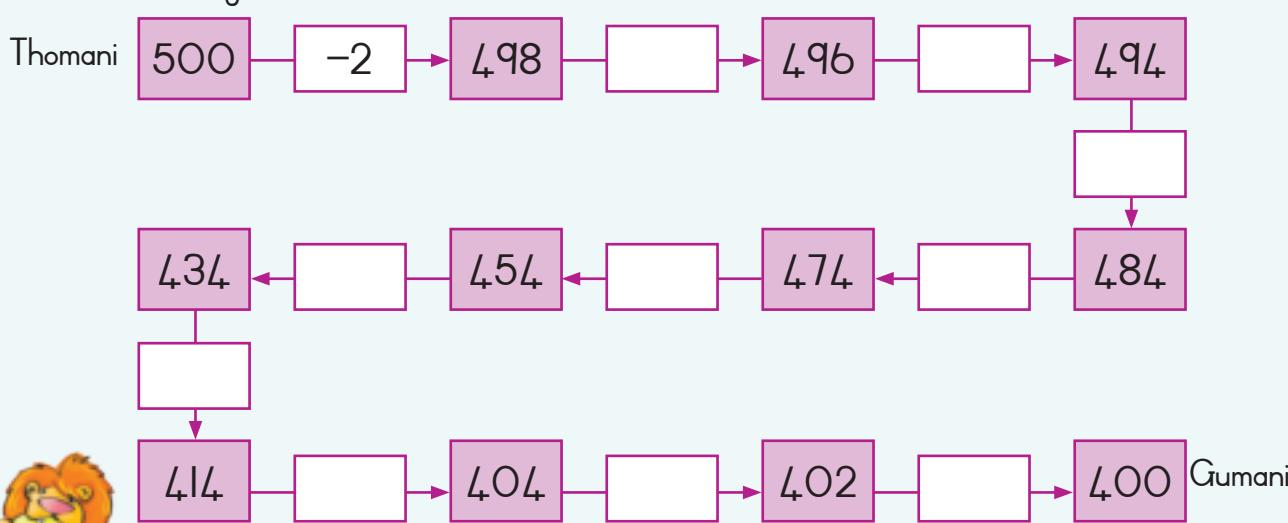


Tshanduko ndi ifhio?

- a. Vhalani ni tshi ya murahu u bva kha 400.



- b. Vhalani ni tshi ya murahu u bva kha 500.



U sumbedza nomboro. Tevhedzani tsumbo.

Wanani ṭhanganyelo ya nomboro idzi. Shumisani garaṭa dza nomboro ni tshi sumbedza ṭhanganyelo iñwe na iñwe.

$405 + 10$	415	$400 + 10 + 5$
$446 + 10$		
$455 + 10$		

$398 + 10$		
$424 + 10$		
$460 + 20$		



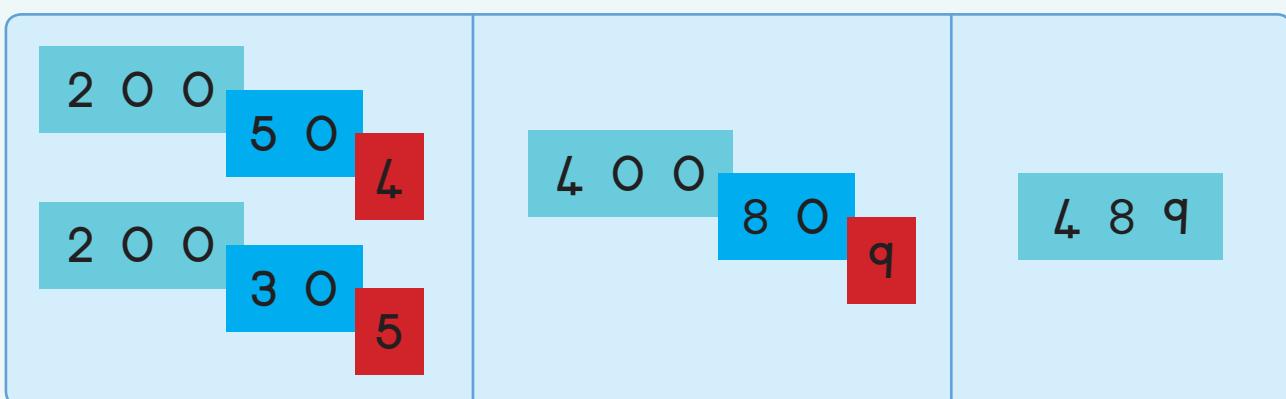
46

Dethi:

Themo ya 2

Ni vhona mini?

Mut^hanganyo na mut^huso



Ri khou ya u shumisa nd^hila ya Malindi na ya Dumi hafhu kha u tanganya.

a. $245 + 231$

Nd^hila ya Malindi

$$= 200 + 200 + 40 + 30 + 1$$

$$= 400 + 70 + 1$$

$$= 471$$



Nd^hila ya Dumi

~~$245 + 231$~~

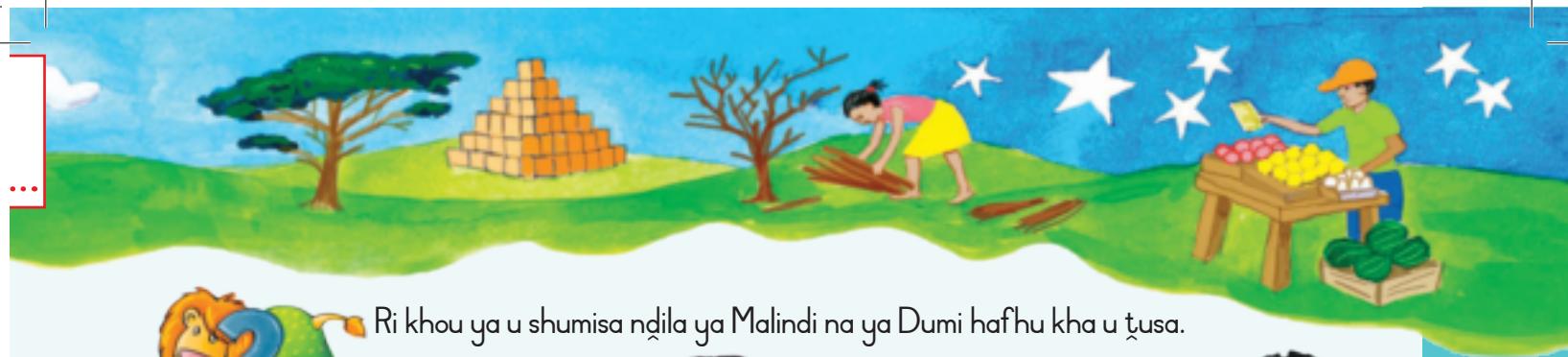
$$= 400 + 70 + 6$$

$$= 471$$



b. $278 + 136$

c. $265 + 148$



Ri khou ya u shumisa ndila ya Malindi na ya Dumi hafhu kha u tusa.

a. $476 - 324$

Ndila ya Malindi

$$\begin{aligned} &= 400 - 300 + 70 - 20 + 6 - 4 \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$



Ndila ya Dumi

$$\begin{aligned} &\cancel{4}7\cancel{6} + \cancel{3}2\cancel{4} \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

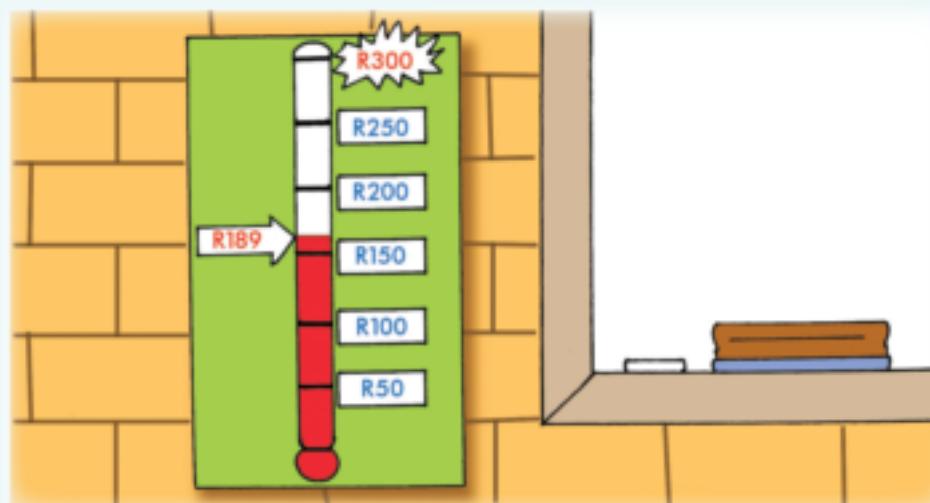


b. $489 - 456$

c. $482 - 161$



Ro swika kha thagethe

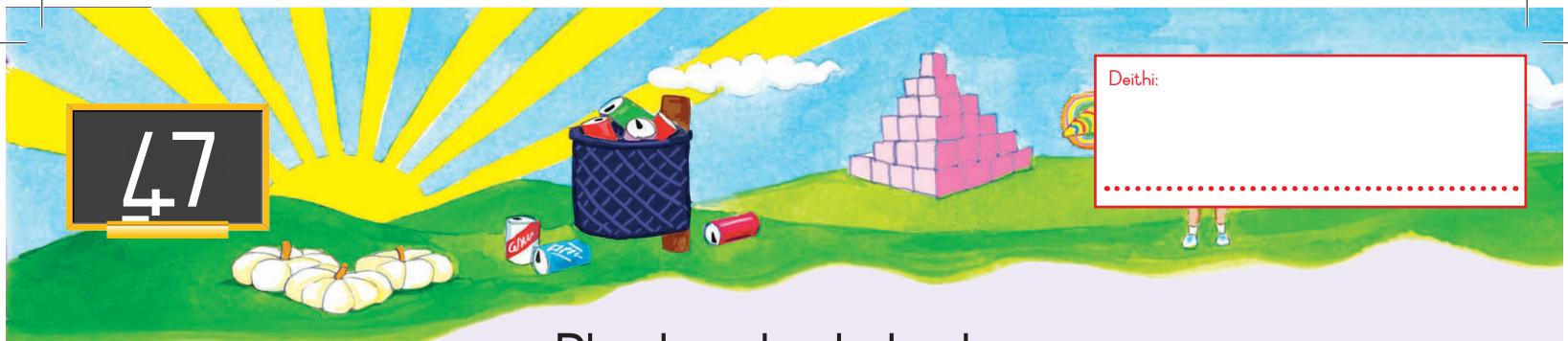


Lavhelesani tshifanyiso.

Hu tødea zwingana u itela u swika kha thagethe?

R

47



Dethi:

Themo ya 2



Thavha ya tshiphiriri

Dzina la thavha khulwanesa Gauteng ndi liphio? Shumisani khoudu kha u li wana. Livhanyani phindulo inwe na inwe i re kha thebulu na ledere li re kha khoudu.

A	B	C	D	E	F	G	H	I	J	K	L	M
I	2	3	4	5	6	7	8	q	IO	II	I2	I3
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
I4	I5	I6	I7	I8	I9	I10	I11	I22	I23	I24	I25	I26

Tshivhalo tsha vhusevhedi	Phindulo	Ledere
Tsumbo: $2 \times 3 \times 3 \times 1 = \square$	18	R
$50 + 50 + 50 + 100 - 200 - 45 = \square$		
$1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$		
$60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$		
$3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$		
$5 + 3 + 30 = 4 + 2 + 12 + \square$		
$100 - 5 - 70 = 20 + \square$		
$36 + 44 - 60 - 22 = \square$		
$10 + 15 = 14 + \square$		
$2 + 1 + 14 + 9 + 14 = 25 + \square$		
$1 \times 2 \times 2 \times 2 \times 2 = \square$		

Dzina la thavha ndi



Lavhelesani, ni humbule, ni fhindule!

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

- a.
- Nomboro ya 16 i do dzhia tshivhumbeo tshifhio? Swayani (✓) kha tsho teaho. ★ ● ☽
- Nomboro ya 18 i do dzhia tshivhumbeo tshifhio? Swayani (✓) kha tsho teaho. ★ ● ☽
- Nomboro ya 23 i do dzhia tshivhumbeo tshifhio? Swayani (✓) kha tsho teaho. ★ ● ☽

- b.
- | | |
|-------------------------|----------------------------|
| Nomboro 50 i do vha ★. | Ndi zwone kana a si zwone? |
| Nomboro 100 i do vha ●. | Ndi zwone kana a si zwone? |
| Nomboro 28 i do vha ☽. | Ndi zwone kana a si zwone? |



Ndi zwifhio zwi re zwinzhi?

U wana tshelede ya u la ya R2,50 nga duvha nga Fulwi na Fulwana.

Kana u wana R150 nga dzil dza Thangule.

Sumbedzani uri no zwi wanisa hani.

Sedzulusani. Vhambedzani. Lulamisani



II I2 I3 I4 I5 I6 I7 I8 I9 20

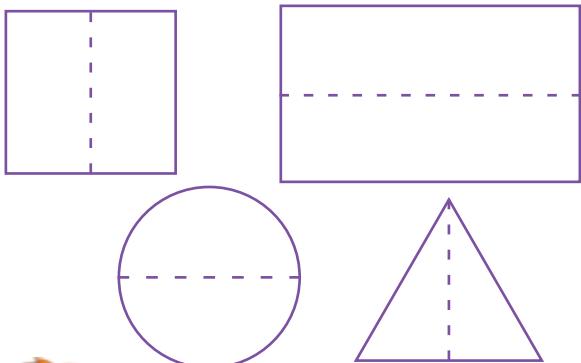
48

Dethi:

Themo ya 2

Simethiri (ndinganahuvhili)

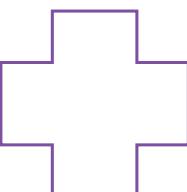
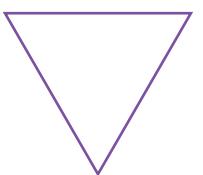
Ni zwifhio zwine na zwi vhona kha zwivhumbeo izwi?



Talani mutalo wa simethiri kha tshivhumbeo tshiñwe na tshiñwe.

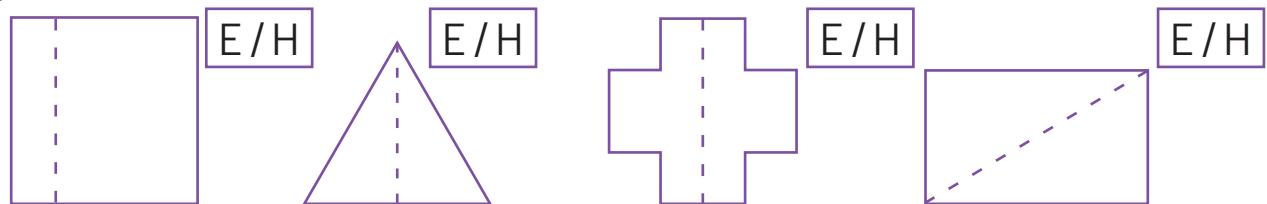
Mutalo wa simethiri (ndinganahuvhili) u fhandula tshivhumbeo tsha bva hafu mbili u itela uri hafu iñwe na iñwe i fane na iñwe sa kha tshivhoni.

Tshivhumbeo tshi na simethiri arali ni tshi nga tshi peta kha mutalo wa simethiri u itela uri hafu mbili dzi fane kwakkwa

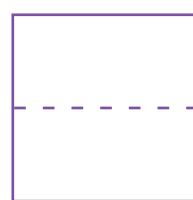
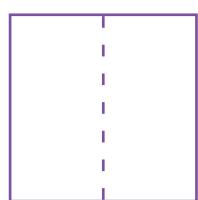
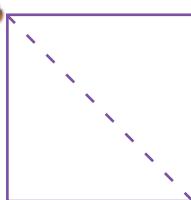


Uyu mutalo wa zwithomathoma ndi mutalo wa simethiri kana hai?

Tangedzelani (E) ya Ee kana (H) ya Hai.



Uyu mutalo ndi wa simethiri? Ngani?

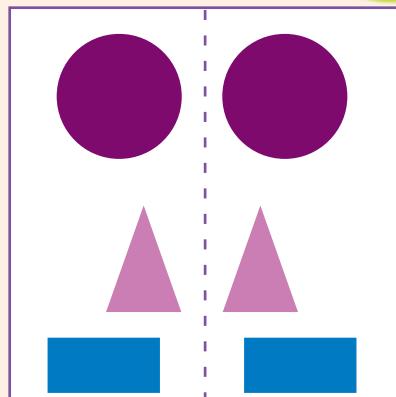




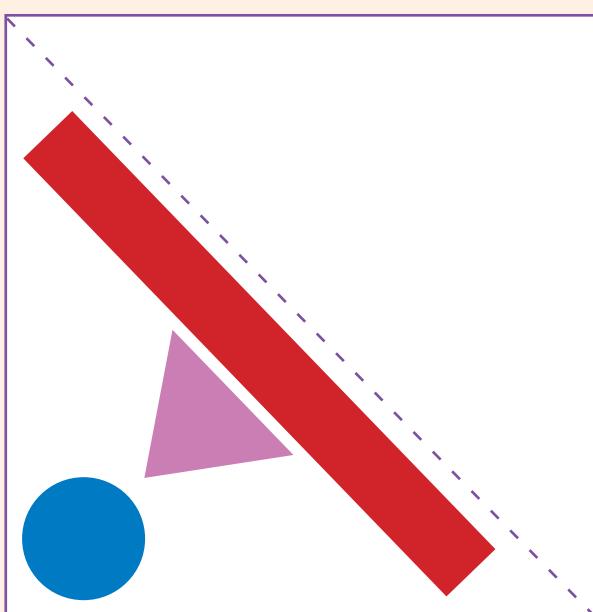
Olani zwivhumbeo ni ite uri tshifanyiso tshi vhe simethiri.

Ro dzula ro ni itela tsha u thoma

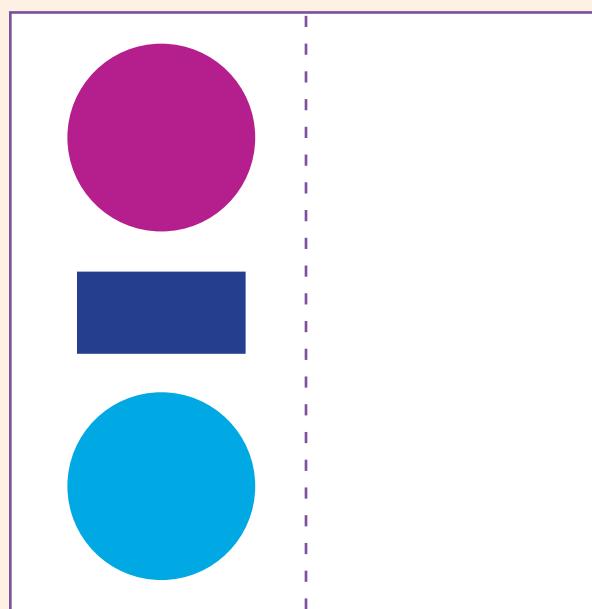
a.



b.



c.



Diteleni
khaphethe
yanu inwi munę
ya simethiri ni
tshi shumisa
zwivhumbeo.



Teacher:
Sign:
Date:

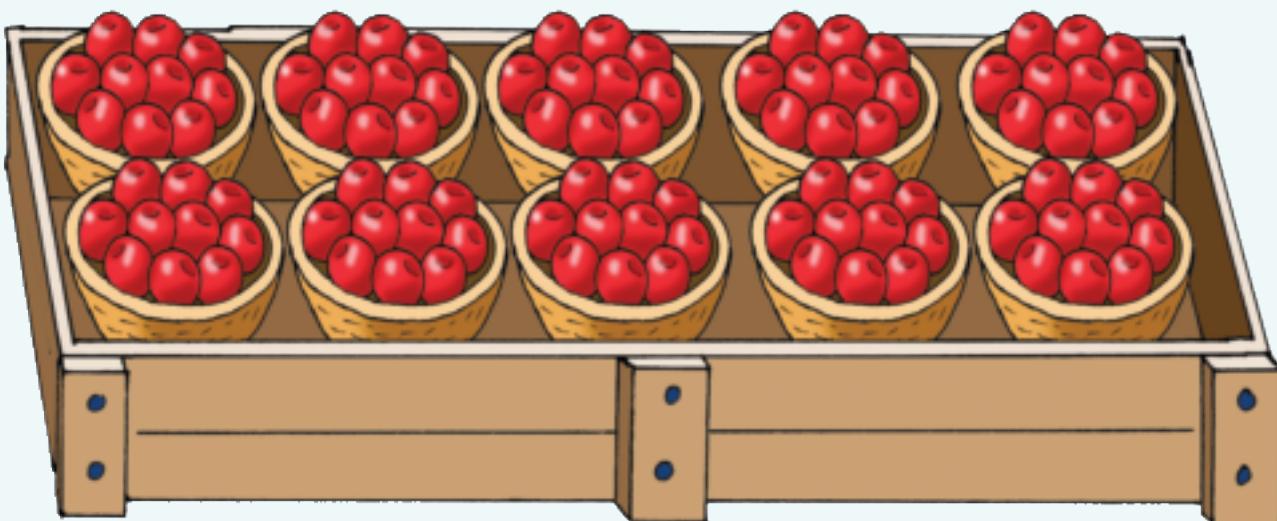
49

Dethi:



U fhata u swika kha 500

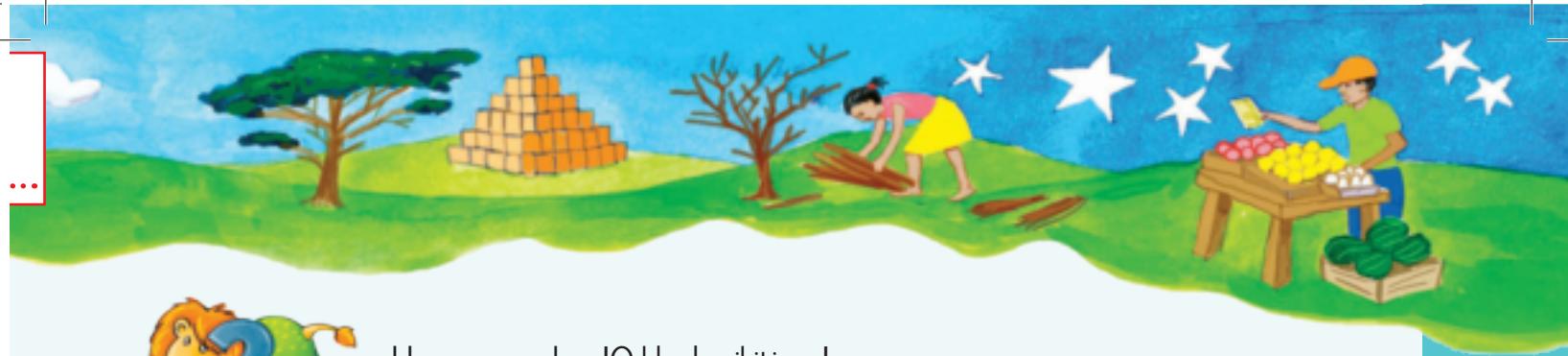
U vhalela maapula



Fhedzisani na u andisa

basikiti (tshithatha) ya 1 i hwala maapula a _____.	$1 \times 10 = 10$
basikiti (zwithatha) ya 3 i hwala maapula a _____.	$3 \times 10 =$
basikiti (zwithatha) ya 5 i hwala maapula a _____.	
basikiti (zwithatha) ya 4 i hwala maapula a _____.	
basikiti (zwithatha) ya 2 i hwala maapula a _____.	

khireiti ya 1 i hwala maapula a 100 .	khireiti dza 2 dici hwala maapula a _____
khireiti dza 3 dici hwala maapula a _____	khireiti dza 4 dici hwala maapula a _____
khireiti dza 5 dici hwala maapula a _____	khireiti dza 2 dici hafu dici hwala maapula a _____

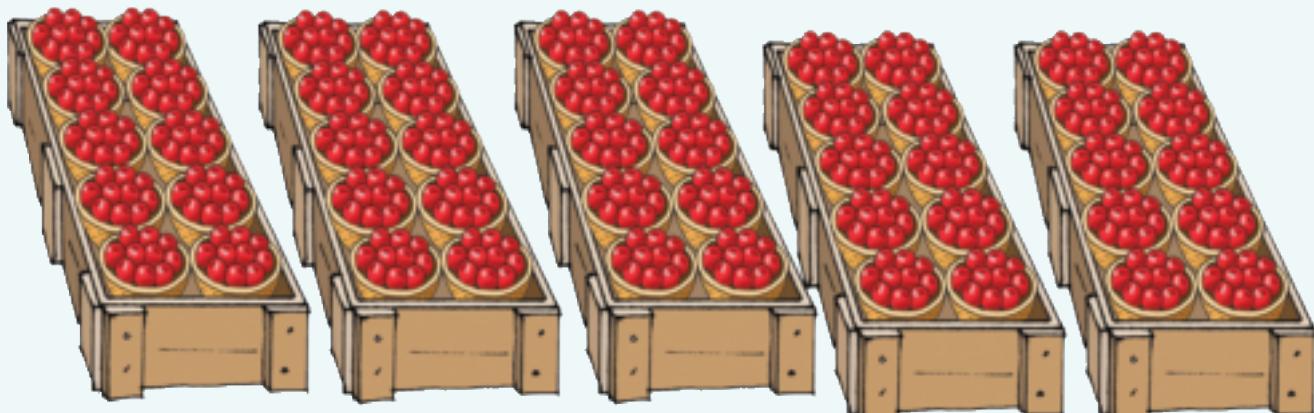


Hu na maapula a 10 kha basikiti ya I.

Hu na basikiti ya _____ kha khireiti nthihi.

Hu na maapula a _____ kha khireiti nthihi.

Hu na maapula mangana o ṭangana o ṭhe? _____



U rekanya; u sumbedza na u nwala

3 0 0 4 0 5

Thomani nga u shumisa garaṭa dza nomboro ni tshi sumbedza ṭhanganyelo iñwe na iñwe. Ni kone u dzhenisa nomboro.

khireiti dza 3 + basikiti dza 4 + maapula a 5 = maapula a 345

khireiti dza 4 + basikiti dza 5 + maapula a 7 = maapula a ____

khireiti dza 5 + basikiti dza 2 + maapula a 3 = maapula a ____

khireiti dza 4 + basikiti dza 7 + maapula a 2 = maapula a ____



50

Dethi:

Themo ya 2

Muandiso na mukovho (10)



U vhala maapula

Dadzani thebulu.

Ndi basikiti (zwithatha) nngana dzo hwalaho maapula?

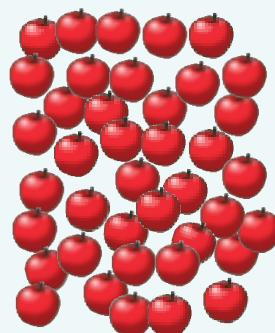


Maapula	10	20	30	40	50
Basikiti	1	2			
Mbalo ya ÷					$50 \div 10 = 5$
Mbalo ya ×					$5 \times 10 = 50$



Kovhelani vhana maapula. Olani tshifanyiso (nyolo)

a.



Sedzulusani
phindulo dzanu.

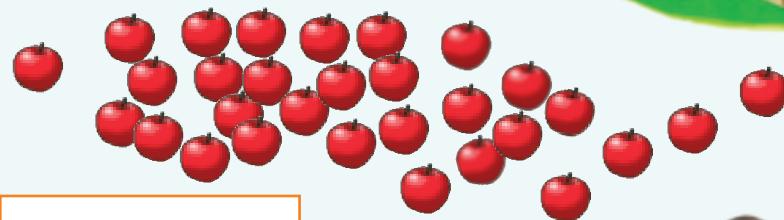
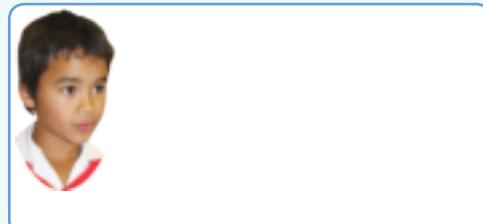
$$\square \div \square = \square$$

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



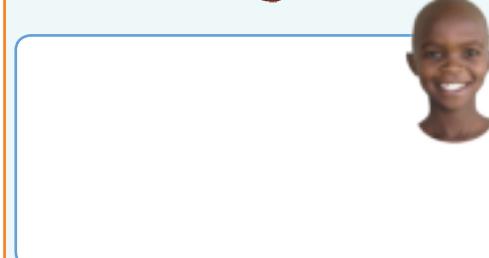
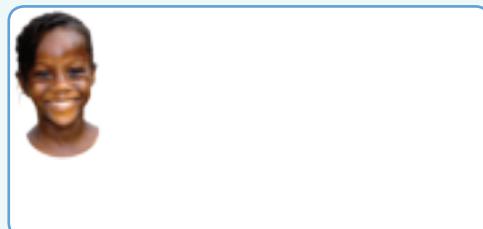


b.



Nwalani mbalo ya ÷

Nwalani mbalo ya a
x ni tshi sedzulusa
(tola) phindulo dzanu



Tsumbo

Shumisani nomboro kha u vhumba mafhungombalo aŋu inwi mune.



$$\div \quad 40 \div 10 = 4$$

$$\times \quad 4 \times 10 = 40$$



\div		\times	
--------	--	----------	--



\div		\times	
--------	--	----------	--



\div		\times	
--------	--	----------	--



Nwalani nomboro i re ḫukhu nga 10 na khulwane nga 10 khe ye na newa.

_____, 460, _____	_____, 390, _____	_____, 500, _____
-------------------	-------------------	-------------------



51

Dethi:



Uvhala nga dzi2

Uvhala ri tshi ya phanda na murahu nga dzi2

- 232; 234; _____; _____; _____; 242; _____; _____; 248
- 500; _____; 496; _____; _____; 490; _____; _____; _____
- 460; _____; _____; 400; _____; 360; _____; _____; _____
- 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Phere dza magilavu



- Hu na **phere nngana dza magilavu** kha rou iñwe na iñwe? _____
 - Hu na **magilavu mangana mathihi** a re kha rou iñwe na iñwe? _____
 - Hu na rou nngana? _____
 - Hu na magilavu mangana o tangana ot he? _____
 - Sumbedzani uri no zwi wana hani.
-
- Nwalani phindulo yanu sa fhungombalo.
_____ × _____ = _____



Ndi magilavu mangana?

U nwala kha thebulu.

a.	Phere ya magilavu									
	Tshivhalo tsha magilavu	2								

b.	Gilavu li si na mungana (singili)	20	21	70	73
	Phere dzine dza nga itwa				
	Magilavu a si na mungana (a singili)o salaho				



Uv hala nga mbili

a. Ndi nomboro ifhio i no da vhukati ?

264, _____, 268	391, _____, 395	414, _____, 410
-----------------	-----------------	-----------------

b. Nwalani momboro mbili dzi no tevhela iyi.

373, 375, <u>377</u> , <u>379</u>	480, 482, _____, _____	262, 264, _____, _____
-----------------------------------	------------------------	------------------------

c. Nwalani momboro mbili dzi no tevhela iyi.

346, 348, _____, _____	415, 417, _____, _____	297, 299, _____, _____
------------------------	------------------------	------------------------



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20



U dzhenisa dzithailisi



U pulanelo ngade

Mufumakadzi Vho Mabena vha na dzithailisi dza u naka.

Vha dzi shumisa kha u pheiva huñwe fhethu ngadeni yavho.

Hu na dzithailisi dza zwikwea zwa 6 zwa saizi nthihi.



Ndi nga ita rou ya 1 nga dzithailisi dza 6.	Ndi nga ita rou dza 2 dici na dzithailisi dza 3 kha rou.	Ndi nga ita rou dza 3 dici na dzithailisi dza 2 kha rou iñwe na iñwe.

Zwino ndi tshifhinga tshanu!

Olani zwibuloko u sumbedza uri ni nga vhekanya hani dzithailisi dza zwikwea zwa 8 na 9.

zwikwea zwa 8	zwikwea zwa 9

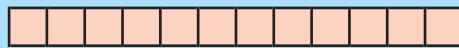
Nwalani mafhungombalo a nyolo iñwe na iñwe.



U dzudzanya dzithailisi dza 12

Mukundi u na thailisi dza zwikwea zwa 12 dza u pheiva tsini na ndu. Mu thuseni a wane ndila dzothe dza u ita izwi. Nwalani fhungombalo la ndila iñwe na iñwe.

Tsumbo:



$$1 \times 12 = 12$$

$$12 \times 1 = 12$$



U dzudzanya dzithailisi dza 24

- Shumisani gjiri i re kha tshigeriwa tsha 2.
- Swifhadzani zwibuloko zws 24 nga ndila dzo fhambanaho.
- Nwalani mafhungombalo u livhanyisa nyolo iñwe na iñwe.

--	--	--



Ndi a kona u andisa!

$12 = 2 \times$ <input type="text"/>	$3 \times$ <input type="text"/> $= 12$	$9 =$ <input type="text"/> $\times 3$
$6 = 3 \times$ <input type="text"/>	<input type="text"/> $\times 3 = 12$	$24 = 3 \times$ <input type="text"/>



53

Dethi:

Themo ya 2

Nga dzi 5 u swika kha 500



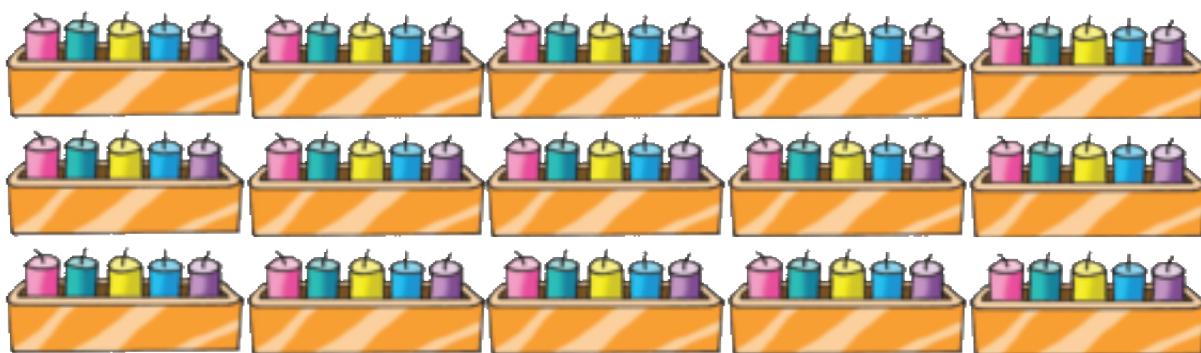
U ṭalukanya 5 dzanu

U ḥwala phindulo.

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



U ḥwala makhandela



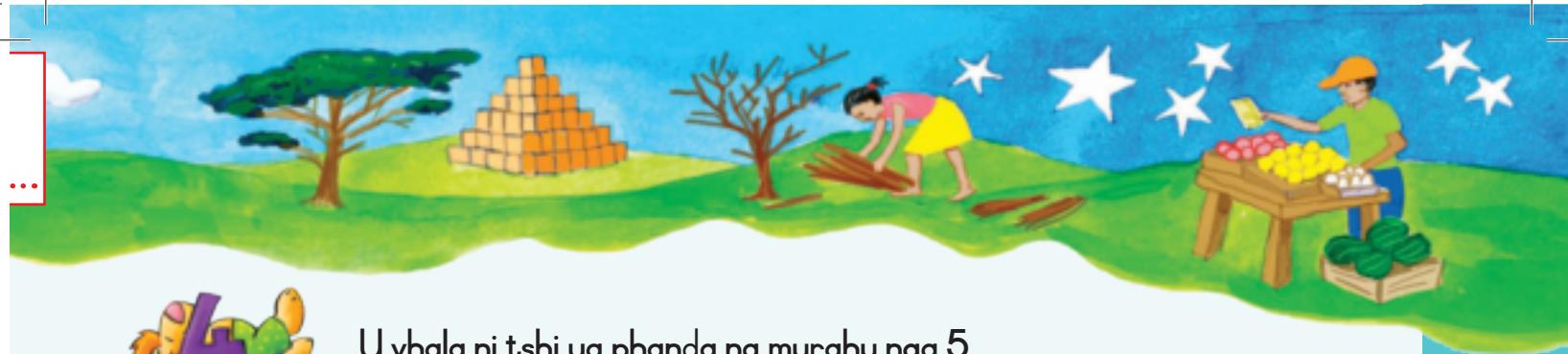
- Hu na **makhandela** mangana **bogisini** ḥinwe na ḥinwe?
- Hu na **mabogisi** mangana kha rou iñwe na iñwe?
- Hu na **makhandela** mangana kha rou iñwe na iñwe?
- Hu na **makhandela** mangana o ḥangana o ḥe?



U sumbedza phindulo

Swayani (✓) mafhungombalo ane a sumbedza ḥhanganyelo ya tshivhalo tsha makhandela.

a. $5 \times 3 \times 3 = \square$ b. $15 \times 3 = \square$ c. $3 \times 5 \times 5 = \square$ d. $15 \times 5 = \square$



U vhala ni tshi ya phanda na murahu nga 5

- a. 85; _____; _____; 70; _____; _____; 55; _____; _____
 b. 240; _____; _____; 255; _____; _____; _____; _____; 280
 c. 405; _____; 395; _____; _____; 380; _____; _____; 365; _____



U kuvhanganya khoini dza R5



Vhana vha kuvhanganya khoini dza R5. Ndi R5 nngana dzine vha do ḥoda dza u ita?

$R5 \div R5 =$ I khoini	$R10 \div R5 =$ 2 khoini	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____

$$2 \times R5 = \boxed{R}$$

$$4 \times R5 = \boxed{R}$$

Ni a kona u
vhona phetheni?

$$3 \times R5 = \boxed{R}$$

$$6 \times R5 = \boxed{R}$$



U andisa nga 5

Tsumbo: I \times 5 = 5; II \times 5 = 10; 2I \times 5 = 10

Humbulani nga vhutali! Fhaṭani nga ndivho ine na vha nayo!

I	2	3	4	5	6	7	8	9	10
5	10								
II	12	13	14	15	16	17	18	19	20
55									



11 12 13 14 15 16 17 18 19 20

55

Themo ya 2

Vhalani nga dži3 na dži4

Bodo dži re na milenzhe ya 3



Tanganyani ni nwale
phindulo.

a. Hu na bodo nngana kha rou? _____

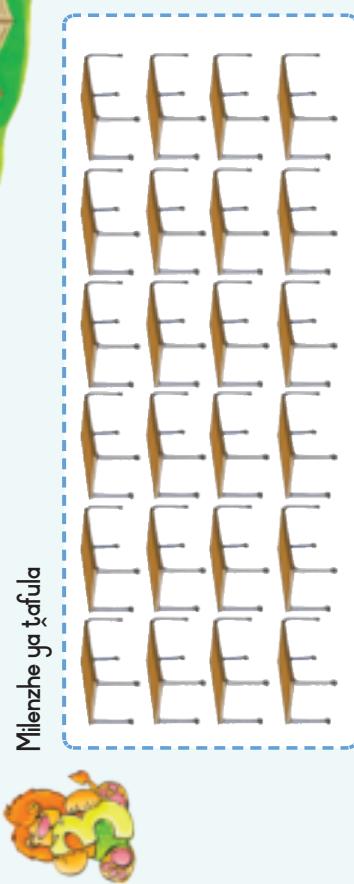
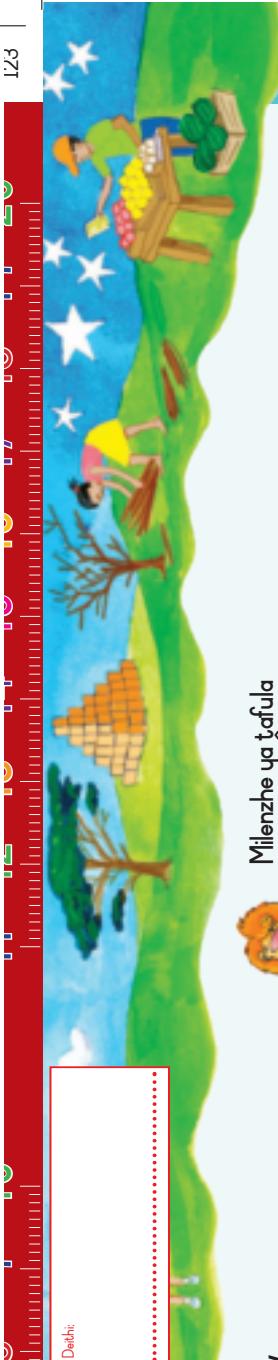
b. Hu na milenzhe mingana kha rou? _____

c. Hu na rou nngana dza abodo? _____

(✓) Ndi mafhungombalo affio a re afho fhasi a no sumbedza t̄hanganyelo?
 $21 \times 7 = \square$ $3 \times 7 \times 3 = \square$ $3 \times 4 \times 2 = \square$ $21 \times 3 = \square$

Hu na milenzhe mingana?
Elekanyani ngau t̄avhanya
Elekanyani ngau vhučali

bodo ya 1 milenzhe ja	3	bodo dza 10 milenzhe ja	5	bodo dza 5 milenzhe ja	12
bodo dza 2 milenzhe ja		bodo dza 15 milenzhe ja		bodo dza 12 milenzhe ja	
bodo dza 5 milenzhe ja		bodo dza 13 milenzhe ja		bodo dza 14 milenzhe ja	



Milenzhe ya t̄afula

- Hu na t̄afula nngana kha rou? _____
- Hu na milenzhe mingana kha rou? _____
- Hu na rou nngana dza t̄afula? _____
- Hu na milenzhe mingana yo t̄anganayothé? Sumbedzani uri no zwi shuma ngan ndilade. _____



Fhedizani gjirdi ngau u fhindula mbudziso.

× 3	2	3	4	5	8	10	11	12
× 4								

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



Vhalani nga dzis 50

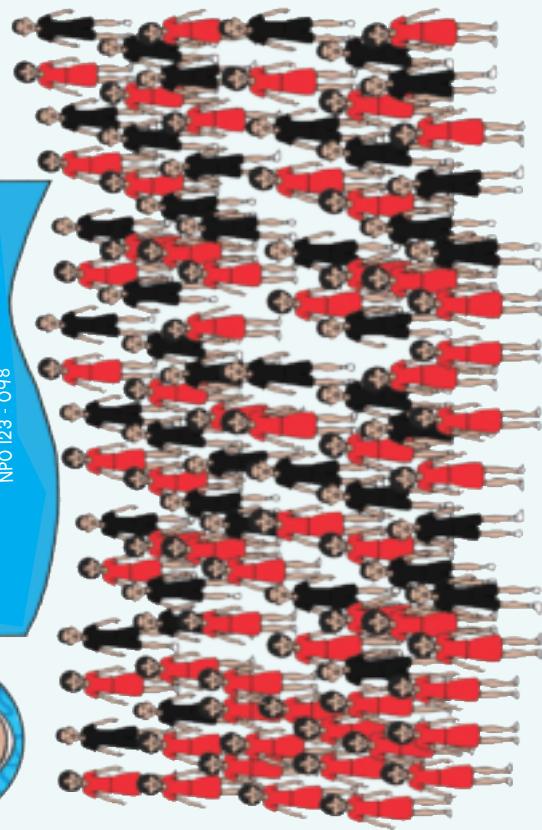
Nwana mutibilihi, nguvho nthili!

Huna vhana vhangananda? Anganyelani, ni kone u vha vhalla.

Nguvho ya Fulufhelo.

Vhana vheshu kha vha duduwe.
NPO 123 - 098

Themo ya 2



Vha badela vhugai?



Mafhungo u renga a 2.

R

Ubadele Mu fumakadzi Vho Singo vha renga a 5.

R

Vha badela



Vha whengele la Thembu Stores
Vha renga

R

Vha renga li renga a 20.



a 5 nga R50 = R250

a 4 nga R50 = R ____

a 3 nga R50 = R ____

a 7 nga R50 = R ____

a 8 nga R50 = R ____

a 10 nga R50 = R500

a 15 nga R50 = R ____

a 6 nga R50 = R ____

a 12 nga R50 = R ____

a 9 nga R50 = R ____



Zwi do dzhia tshifhinga tshingaffhani? Shumisani khaleda.

Kilasi ya Gireidi ya 3 i kuvhanganya tshelede ya u renga nguvho dza 4.

Vha kuvhanganya R5 nga duvhakha maduhakha a 5 nga vhege.

Vha lila vhege nngara dza u kuvhanganya tshelede ya u renga mabai?



Vhana vhotlhe vha re tshifanyisoni itshi vha friwa nguvho.

Ndi vhana vhangananda vha re hone? ____

Anganyelani	Vhalani	Vhambedzani

Ndi ☺ vhatukana vhangananda? ____ Ndi ☺ vhasidzana vhangananda? ____

| 2 3 4 5 6 7 8 9 10

11

12

13

14

15

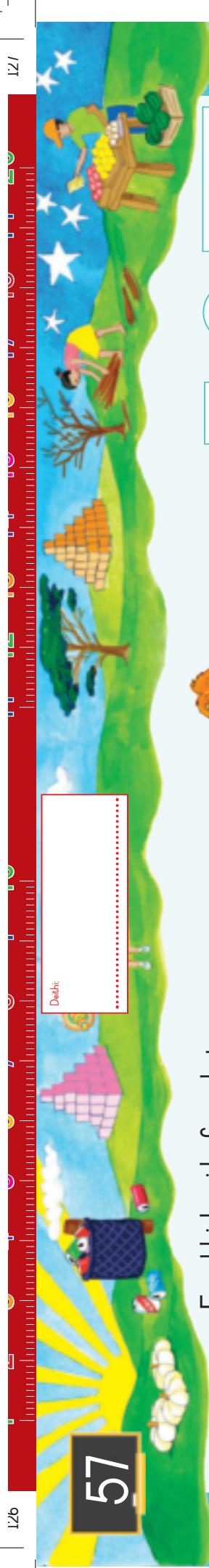
16

17

18

19

20



57

Themo ya 2

Furakkisheni hafu na kota

Kovhani bola dizi tshi lingana afio zwibogisini



<ul style="list-style-type: none"> Hu na bola nngana bogisini lirwe na lirwe? Ndi bola nngana dizi re bogisini la phephulu? Ndi furakkisheni ifhio ire bogisini la phephulu? 	<ul style="list-style-type: none"> Hu ne bola nngana bogisini lirwe na lirwe? Ndi bola nngana dizi re bogisini la phephulu? Ndi furakkisheni ifhio ire bogisini la phephulu?

Lavhelesani zwifanyiso ni fhindule mbudziso.



Ni konau vhala zwitendededzi zwingana?

$\frac{1}{2}$ ya zwitendededzi ndi ifhio?

$\frac{2}{4}$ ya zwitendededzi ndi ifhio?

$\frac{3}{4}$ ya zwitendededzi ndi ifhio?

$\frac{4}{4}$ ya zwitendededzi ndi ifhio?

Ni konau vhala zwitendededzi zwingana?

$\frac{1}{4}$ ya zwitendededzi ndi ifhio?

$\frac{2}{4}$ ya zwitendededzi ndi ifhio?

$\frac{3}{4}$ ya zwitendededzi ndi ifhio?

$\frac{4}{4}$ ya zwitendededzi ndi ifhio?

Khalarani $\frac{1}{2}$ ya zwivhumbeo.

Khalarani $\frac{1}{4}$ ya zwivhumbeo.

Khalarani $\frac{1}{2}$ ya zwivhumbeo.

Khalarani $\frac{3}{4}$ ya zwivhumbeo.

Lavhelesani zwitirepe (vhubammbiri) zwa furakkisheni

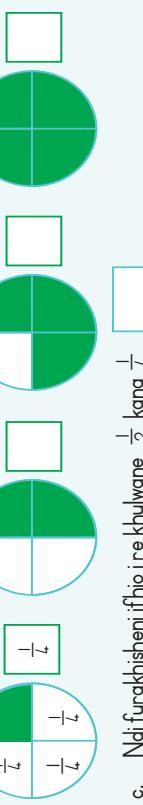


- a. Ndi hafu ($\frac{1}{2}$) nngana dizi no do ita yothé nthih?

Ndi kota ($\frac{1}{4}$) nngana dizi no do ita yothé nthih?

Ndi kota ($\frac{1}{2}$) nngana dizi no do ita yothé nthih?

b. Lavhelesani daigiramu (nyolo) ni nwale furakkisheni ya tshipiga tscho swifdzawha.



c. Ndi furakkisheni ifhio ire khulwane $\frac{1}{2}$ kana $\frac{1}{4}$

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



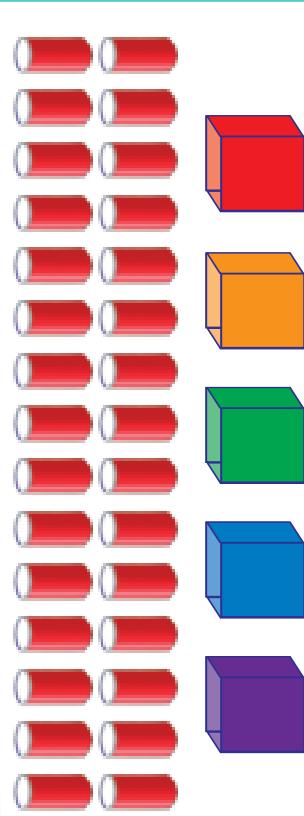
5q

Furakhisheni: tshat̄hanu

Kovhani zwikot̄ikoti mabogisi.



Themo ya 2



- Hunna zwikot̄ikoti zwa 6 kha $\frac{1}{5}$ ya mabogisi.
- Hunna zwikot̄ikoti zwa kha $\frac{2}{5}$ ya mabogisi.
- Hunna zwikot̄ikoti zwa kha $\frac{3}{5}$ ya mabogisi.
- Hunna zwikot̄ikoti zwa kha $\frac{4}{5}$ ya mabogisi.
- Hunna zwikot̄ikoti zwa kha $\frac{5}{5}$ ya mabogisi.



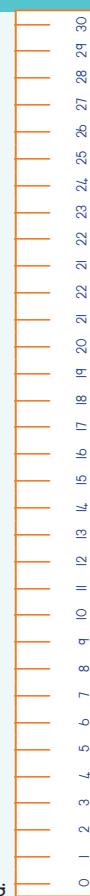
Lavhelesani zwifanyiso ni fhindile mbudziso.

Huna tsokoleithi mingana bogisi?

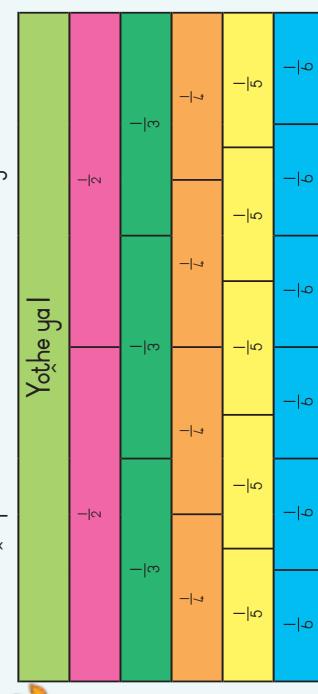
- $\frac{1}{5}$ ya tsokoleithi i lingana na
- $\frac{2}{5}$ ya tsokoleithi i lingana na
- $\frac{3}{5}$ ya tsokoleithi i lingana na
- $\frac{4}{5}$ ya tsokoleithi i lingana na
- $\frac{5}{5}$ ya tsokoleithi i lingana na
- Linwe duvha ndola $\frac{1}{5}$ ya tsokoleithi. Ho sala tsokoleithi nngana?
- Linwe duvha ndo dovhanda $\frac{1}{5}$ ya tsokoleithi. Ho sala tsokoleithi nngana?



Mivhala ya zwishumiswa zwa u ela.



Lavhelesani zwit̄irepe zwa furakhisheni. Fhedzisani mafhungo.



Tangedzelani zwihulwane kana zwit̄uka

a. $\frac{1}{2}$ ndi khulwane /t̄hukhukha

b. $\frac{1}{3}$ ndi khulwane/t̄hukhukha

c. $\frac{1}{5}$ ndi khulwane/t̄hukhukha

d. $\frac{1}{6}$ ndi khulwane/t̄hukhukha

e. $\frac{3}{5}$ ndi khulwane/t̄hukhukha

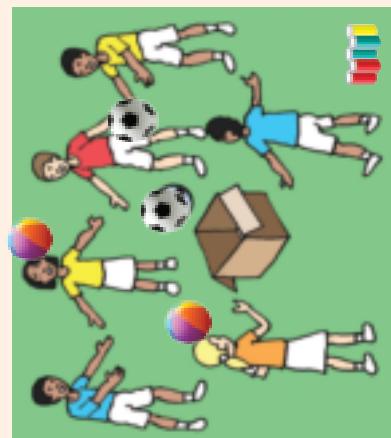
Teacher:
Sign:
Date:

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

Zwithu zwa 3D

Themé ja 2

60

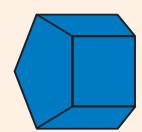
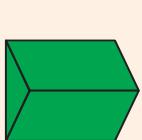


Vhalani zwibogisi (phirizmu)
Vhalani bola (zwipulumbu)
Vhalani silinda



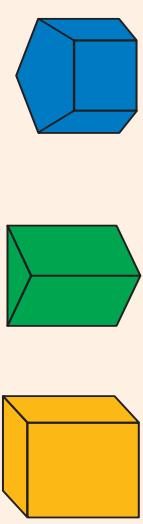
Hezi zwot̄he ndi mabogisi.

Shumisani Zwigeriwa zwa mabammbiri a 3 na 4 khal khau vhumbu izwi zwithu.



Fhethu huriwe na huriwe ha baphathihupi ndi lurumbu (phanda ha). Nambatedzani tshifhatuwo tshiriwe na tshiriwe tsinno khau nwethuwa kha lurumbu lwa bogisi.

No nambatedza zwifhatuwo zwingana?



tshikwea phirizmu helizagoni
Vhurumbu ha phirizmu ndi ha baphathihupi kana ho kuta?

Zwino itani silinda nga Tshigeriwa tsha 4.
Vhurumbu ha silinda ndi ha baphathihupi kana ho kuta?



Tolutshedzani tshimo tsha silinda ni tshi shumisa maipf aya
Tolutshedzani tshimo tsha silinda ni tshi shumisa maipf aya

Nga nt̄ha



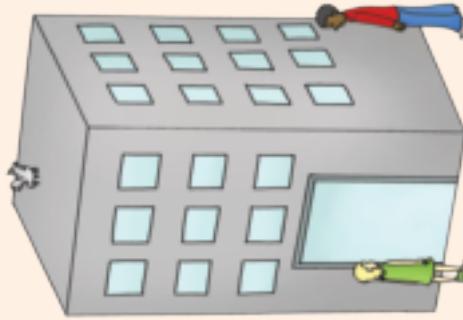
Ngo phanda



Nga lurumbu



Shumisani maipf a re afho fhasi kha u fhedzisa maipf hungo.



Musidzana o sedza _____ ha tshifhatuwo.

Munna o sedza _____ iwa tshifhatuwo.

Tshiponi tsho sedza _____ ha tshifhatuwo.

lurumbu _____ phanda _____ nt̄ha



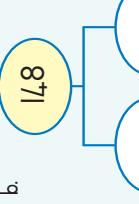
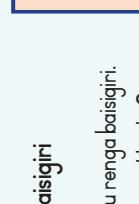
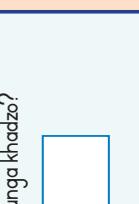
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

b2

Themba ya
2

Zwiinwe hafu zwa u davhula na u hafu

U wana nga zwivhili kana hafu

- a.  73
- b.  148
- c.  q6
- d.  134
- e.  8q
- f.  8q

Vhulungelani basigiri

Peter u vhulungana R25 nge vhege yuu reng basigiri.
Ndi vhege nngana dzine a tea u vhulunga khadzo?

Phindulo; dzivhege dza

Mutengo wo tsa

Aitheme dzothe dici kha mitengo ya fhasi nga hafu.
Nwalanani mutengo wa fhasitsini na aitheme inwe na inwe.

- a.  Mabai RI90
- b.  Malagane RI54
- c.  Mutengo wa fhasi
- d.  Khushini R54
- e.  Mutengo wa fhasi



Ndi rannda nngana?

Musau khou ɿoda hemmbe. U na hafu fhedzi ya mutengo wa hemmbe.



R135

Zwienda zwa Peter zwi ɿura kavhili u fhira izwi.



R7850

Mutengo wa rokho ya Phindii ɿura vhugai? R _____



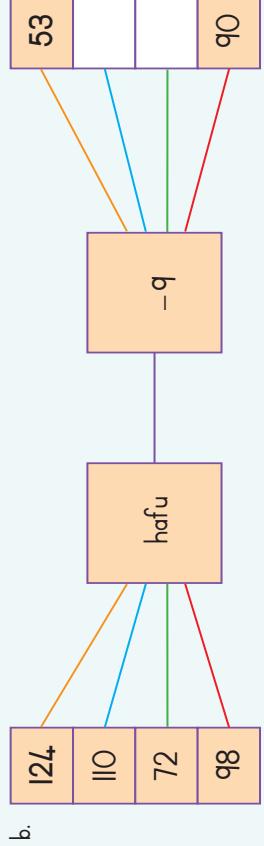
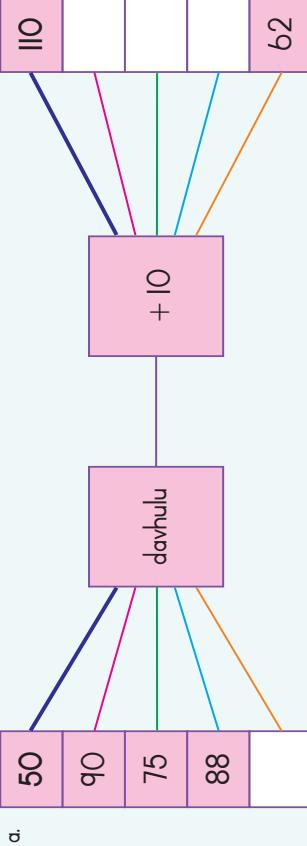
R97

Rokho ya Phindii ɿura vhugai? R _____



Hu dzhenha mini? Ha bvva mini?

Tevhebzani tsumbo. Dzhenisoni nomboro dici no khou ɿahela.



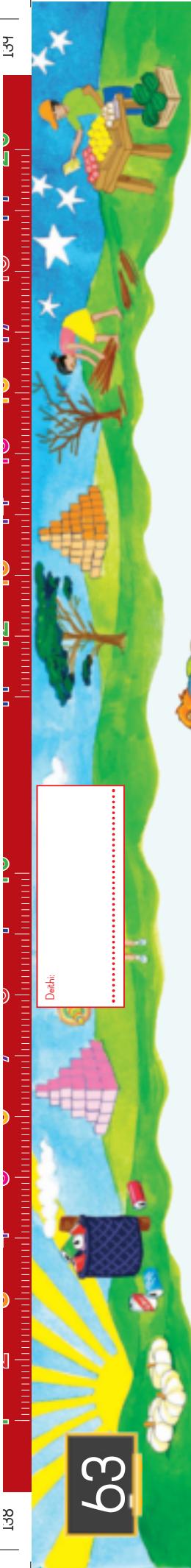
0

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

139

Datihi:

Datihi:



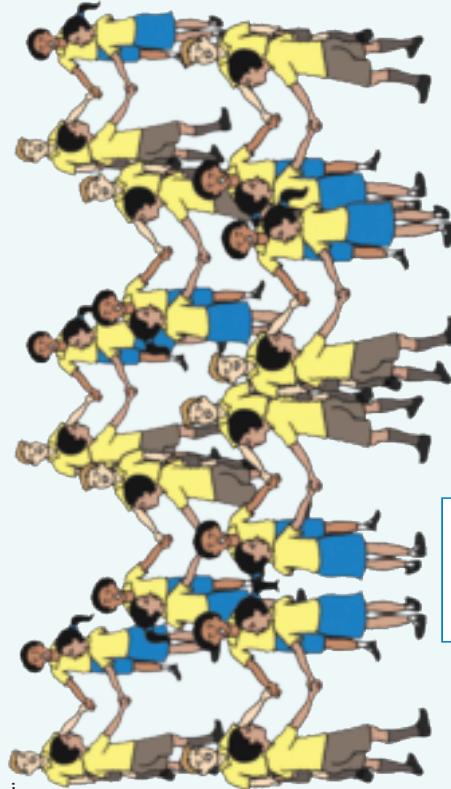
63

Themba ya 2

U vheea nga zwigwada na u badekanya

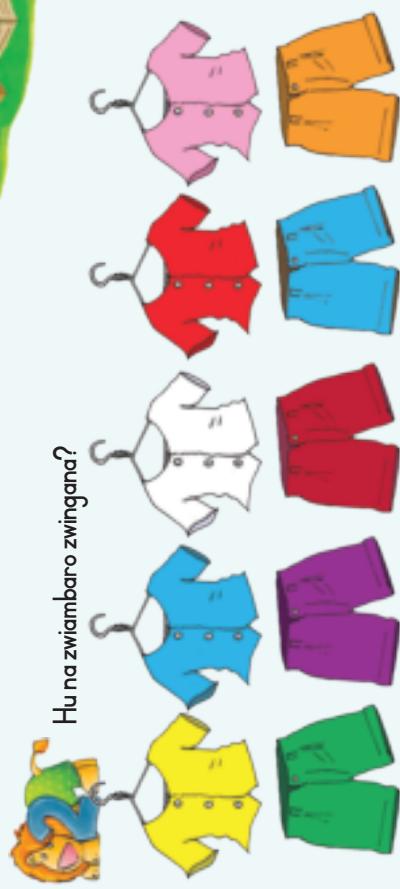
Vheani vhana nga zwigwada

Mufumakazi Vho Ndaba vha tqodau khethekanya klasa ya bva zwigwada zwa saizi dici lingandaho itela mitambo ya mngala ka klasa. Vha thoma nga u vha vhekanya nga zwigwada zwa thimu dia vhana vha 4.



- Vhalani vhana.
- Vha konau vhumba thimu nngana?
- Sumbedzani dziniwe ndila dzothe dzine vhana vha nga khethekanya ha bva zwigwada zwa saizi dici no lingana.

Tolani. Vhambedzani.
Lulamisani.



Hu na zwiambaro zwingana?

Phindi u na hemmbe dza 5 dia mivhala na marukhu matuku a 5 a mivhala.

Ndi zwiambaro zwingana zwe fhambandaho zwine a nga zwi ita a tschi khou shumisa u tanganelana ha mivhala ho fhambandaho?

Satsumbo: Hemmbe ya lutombo/vhurukku vhupfufhi ha lutombo. Sumbedzani khondadzeo dzinwe dzothe dia vhpufufhi ha tshticopana.

Nwalani ledere la u thoma la muvhala munwe na muvwie. Sumbedzani khondadzeo dzinwe dzothe dia zwiambaro.



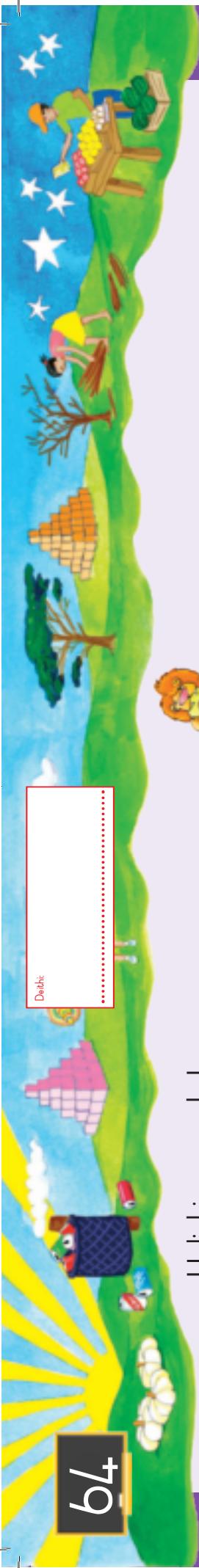
Tolani. Vhambedzani.
Lulamisani.

Humbulelani: Hu nga itea mini arali Phindi e na mivhala ya bva fhambandaho ya hemmbe na marukhu mopfufhi?

Ndi zwiambaro zwingana zwine a nga ita?

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

11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

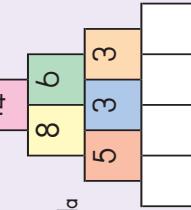


U diphina nga mbalo

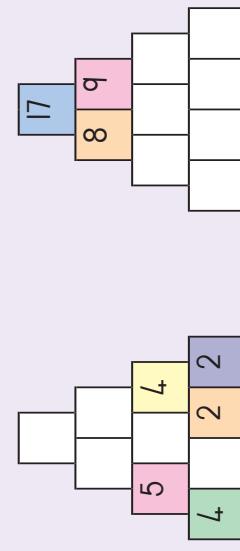
Ikani mulayo

Shumisani mulayo uyu kha u wana nomboro dici no khau ḫahela

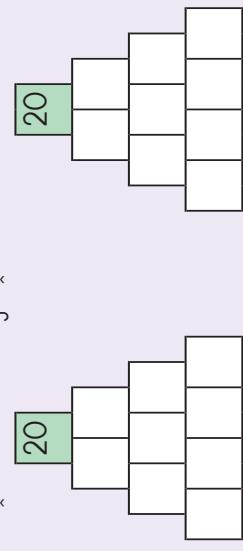
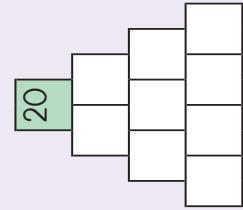
14



Zwino shumani hedzi



Fhatani u swika kha 20 nga ndla dici 3 dzo fhambananaho



Khaedu



Shumisani muhumbulu
Shumisani nomboro 1, 2, 3, 4 na 5.

Nomboro dici 3 dici re kha rou inwe na inwe dici fanelu ita 10.

Mulayo Shumisani nomboro inwe na inwe luthiki i'hedzi.

Theme ya 2

64

U wana nomboro

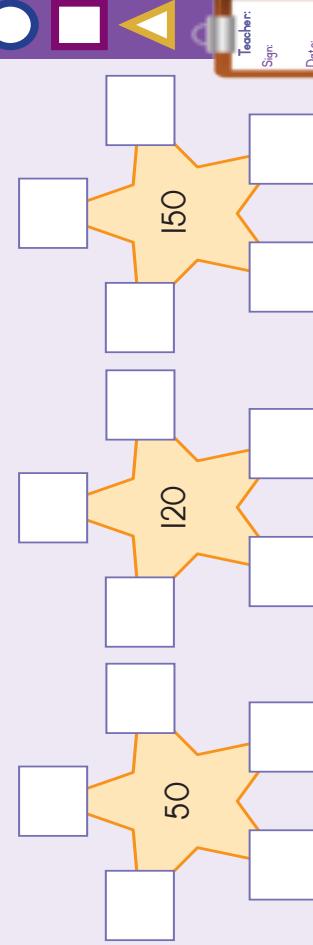
a. Mulayo 3: Nomboro dici re kha rou inwe na inwe dici teu u vhumba ibo dzo ṭangana.

2	5	3	6
			2

b. Mulayo: Nomboro dici 3: u budana rou na u tsa na kholomo; dici ita ṭhanganyelo nthiki dzo ṭangana dzothe.

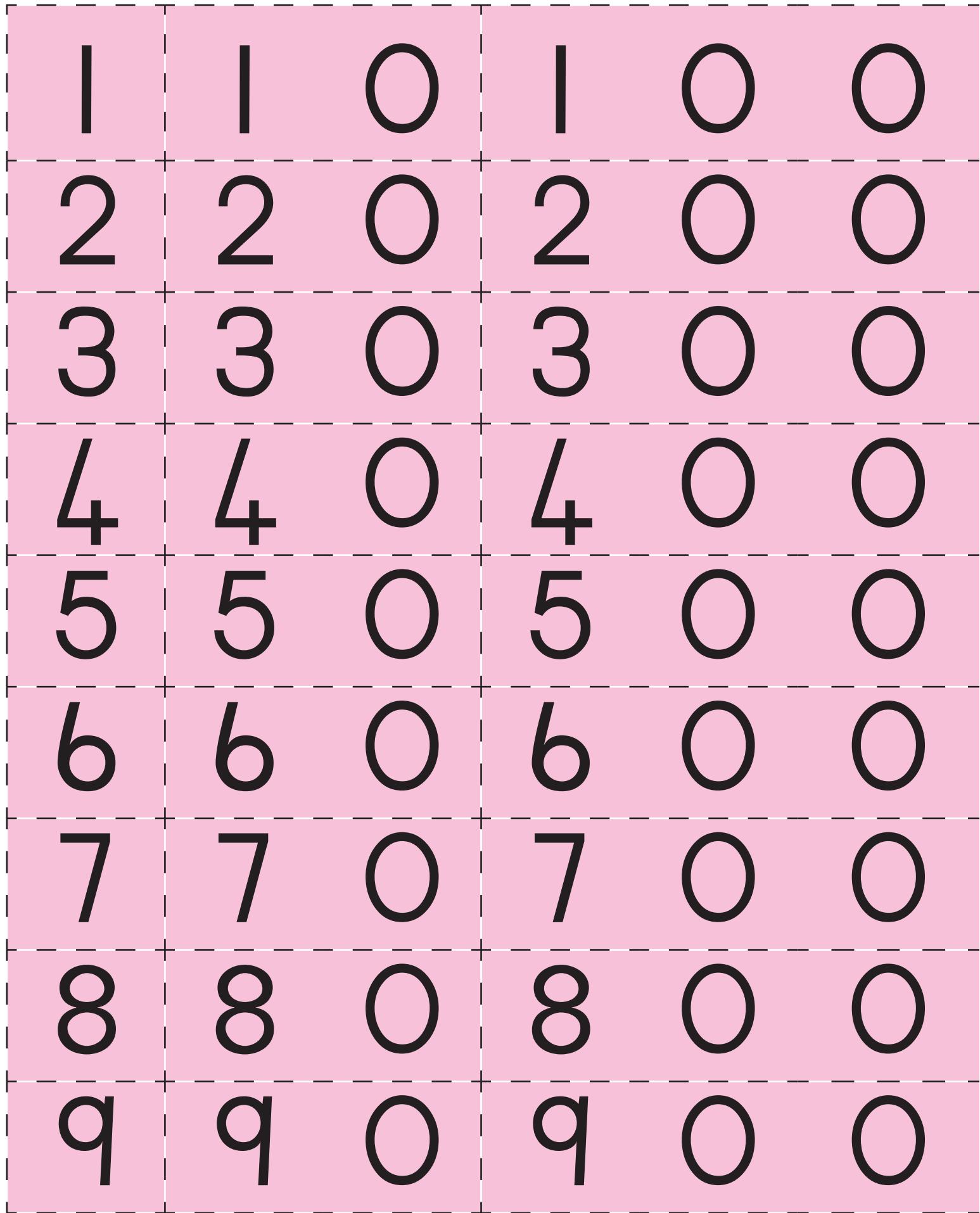
2	7	6	
q		1	
	3	8	

c. Mulayo: Dzherisanji nomboro dici 5 dzinwe na dzinwe dici ṭangana dzothe dici ita nomboro i re ngemu ha naledzi.



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

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



I O O

I O I

2 O O 2 O 2

3 O O 3 O 3

4 O O 4 O 4

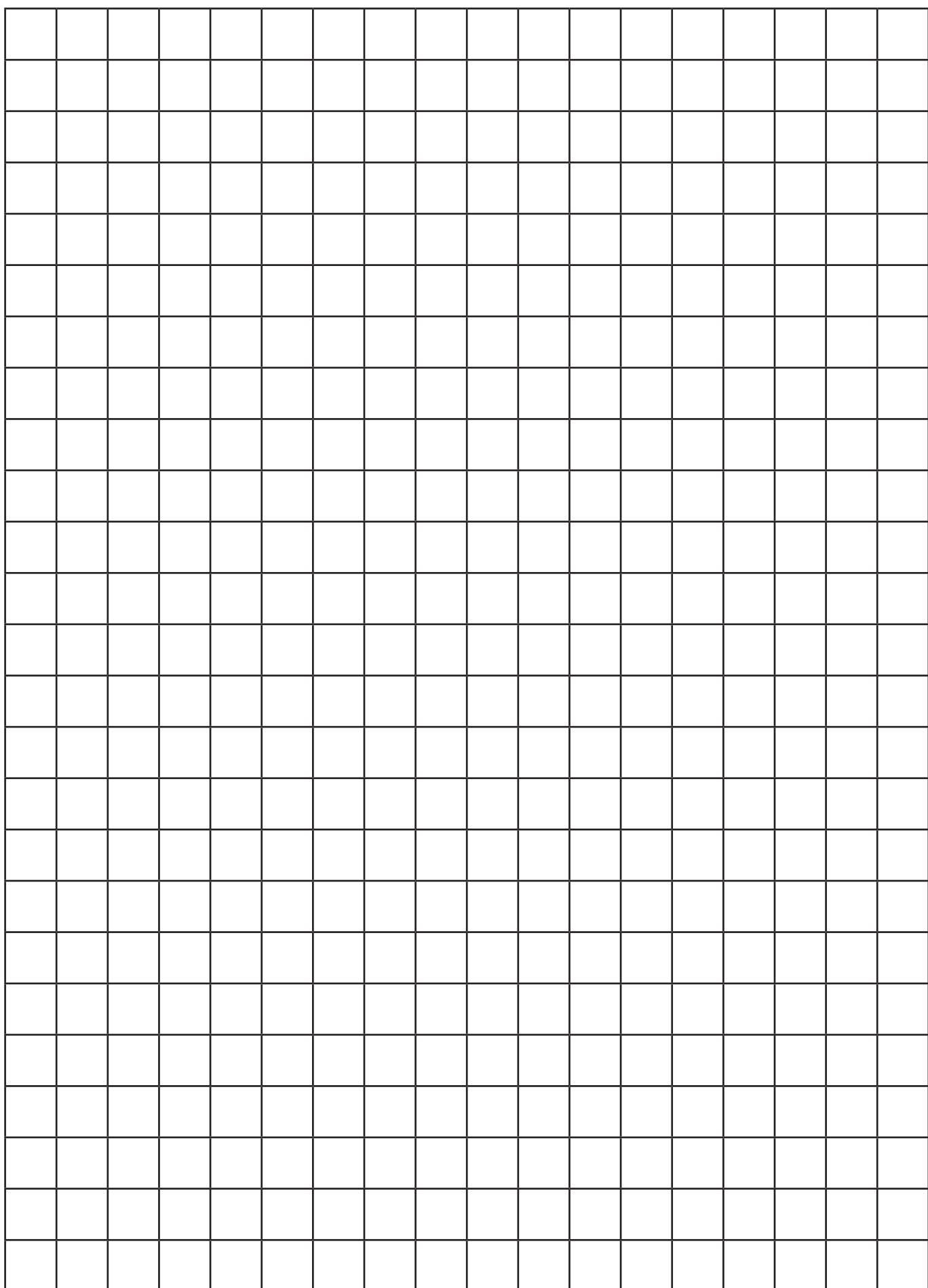
5 O O 5 O 5

6 O O 6 O 6

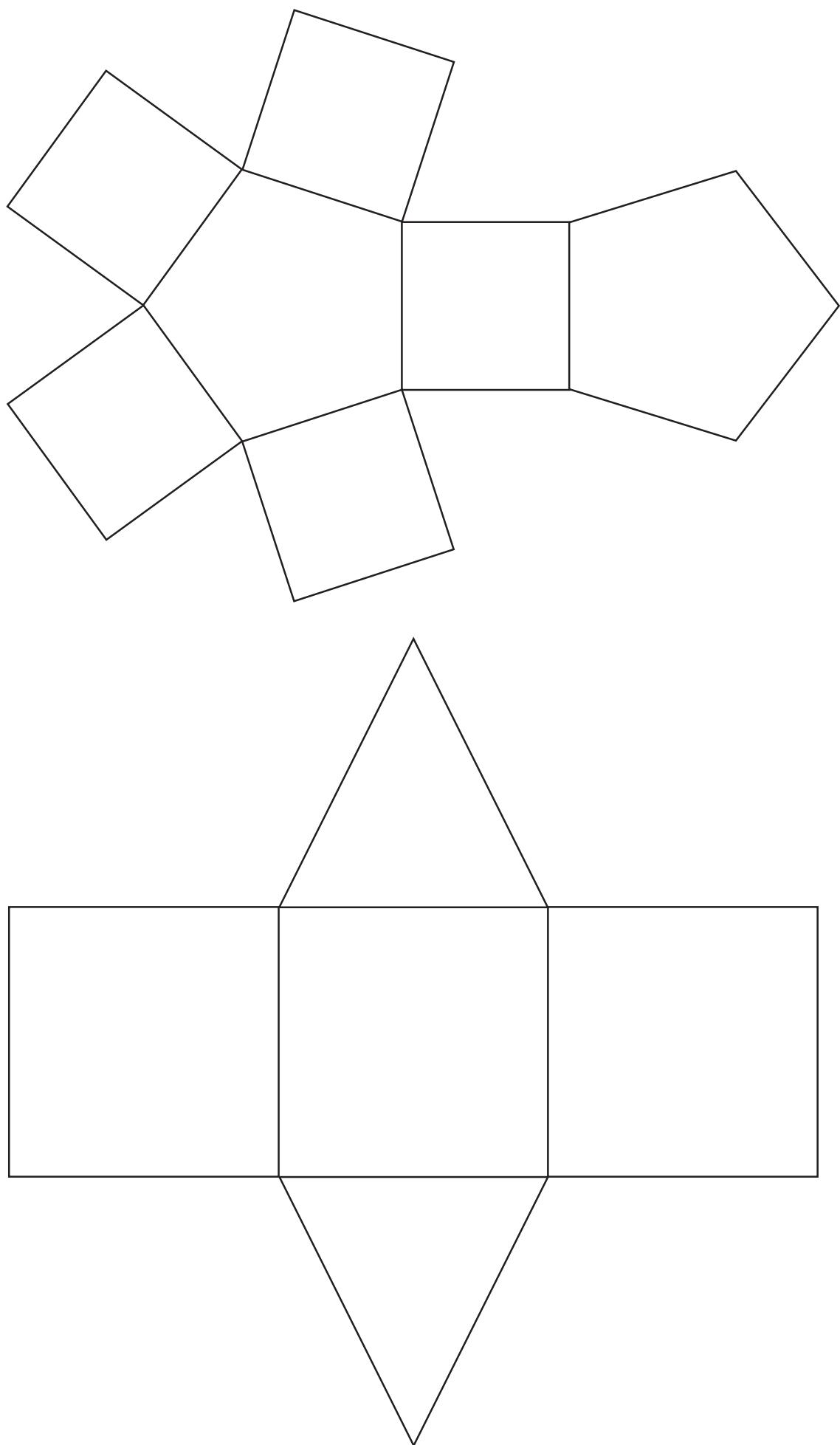
7 O O 7 O 7

8 O O 8 O 8

q O O q O q



Cut-out 3



Cut-out 4

