

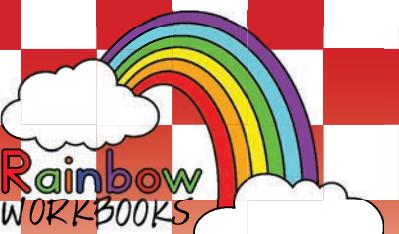


Vho Angie Mutshetsha vha
Muhasho wa Pfunzo ya Muteo



Vho Enver Surty,
Muthusaminista wa Pfunzo
ya Muteo

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MATHEMATICS IN TSHIVENDA GRADE 3 – BOOK 1 TERMS 1 & 2

ISBN 978-1-4315-0013-0

**THIS BOOK MAY
NOT BE SOLD.**

Bugu idzi dzo ካwalelwā vhana vha Afrika Tshipembe, mushumo wa hone wo rangiwa phanda nga Minista wa Pfunzo ya Muteo. Vho Angie Motshetsha 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 khwi, isa vhukoni ha vhagudi vha Afrika Tshipembe vha giredi dza rathi dza u ranga. Sa tshiinwe tsha zwitħu zwihulwane zwa Pulanetshumisi (Action Plan) ya Muvhuso, thandela iyi yo konadzea nge ya lambedzwa lu sa vhudziswi nga Muhasho wa Gwama ja Lushaka (Thirezhari).

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

Ri na fulufhelo jauri bugu idzi dzi do thusa vhadededzi (vhagudisi) mushumoni wavho wa u funza wa ǵuvha jiħwe na jiħwe khathihha u vha na vhutanzi uri vha khunyeledze kharikkulamu yothe. Ro ita nga vhuronwane uri ri sumbedze nđila vhadededzi kha mishumoitwa (nyito) nge ra shumisa aikhoni dzi no sumbedza uri mugudi u tea u ita zwifhio.

Ri na fulufhelo ji no bva ji mbiluni uri vhana vha do diphī, a nga u shumisa bugu idzi zwenezwi vha tshi khou aluwa na u guda, khathihha na uri na vhovevho, sa mudededzi, vha do diphī, a na vhana avha.

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

DIVHAMBALONGA TSHIVENDA – Gireidi ya 3 Bugu ya |

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Gireidi
ya
3

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MBALONGA TSHIVENDA

Bugu ya |
Themo 1 & 2

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	Tshigeriwa 2	



1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Gireidi
ya

3



M b a l o

NGA TSHIVENDA

Heyi bugu ndi ya:



TSHIVENDA

Bugu ya

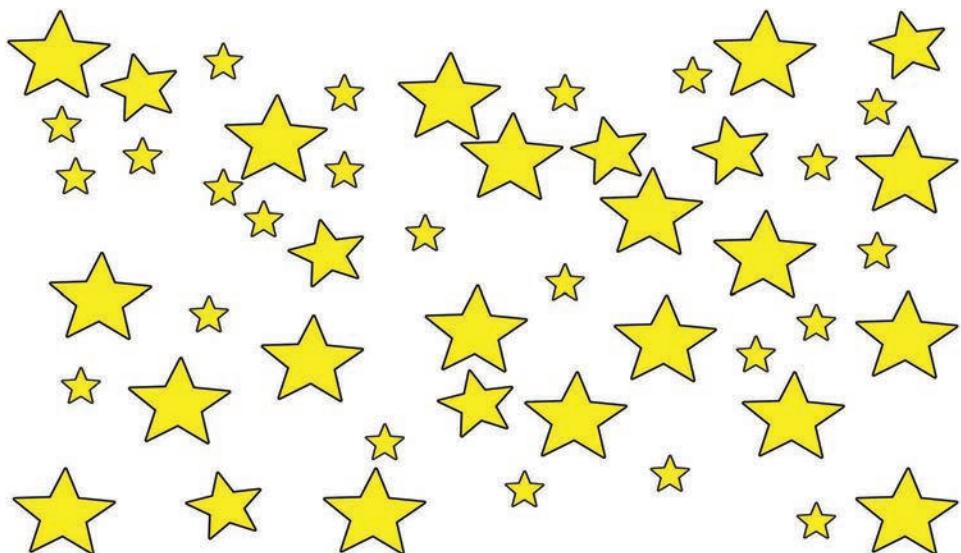
I



U vhala, u vhekanya na u sumbedza!

Hu na ḥaledzi nngana?

Vhambedzani phindulo



Anganyelani uri hu na ḥaledzi nngana. _____

Zwino dzi vhaleni. _____



Warani muwini!

Ndi nnyi o anganyelaho u fhiria vhothe?

Dzhenisani madzina anu 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 nwala



Ndo vhalela
nga thihi.



I, 2, 3, _____

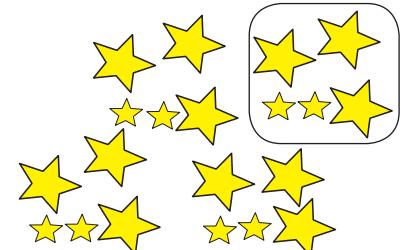
Ndo vhala
nga 2.



2, _____



Ndo vhalela
nga thanu



5, _____



Ndo vhalela
nga mahumi





Nwalani mafhungombalo

Nwalani mafhungo mavhili ni tshi nea
thanganyelo ya naledzi. A nwali i nga ndila mbili.

Musi ni tshi tanganya
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.

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

kana

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



Teacher:
Sign:
Date:

2



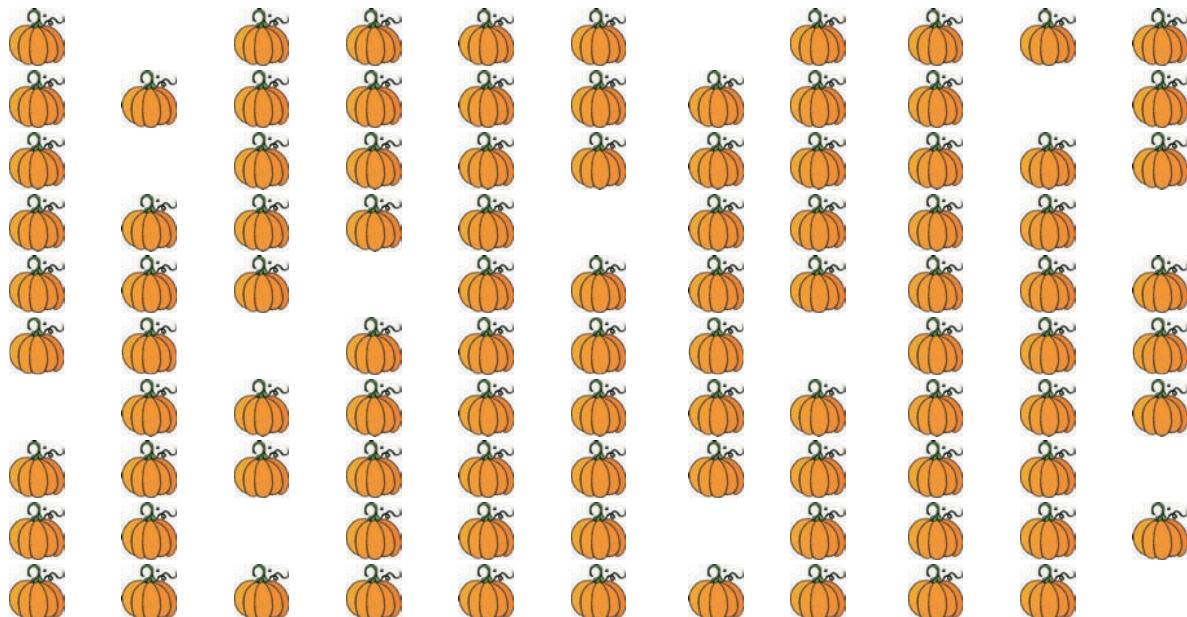
Deithi:



U vhala nga vhutali

U vhala mafhuri

U wana ndila i leluwaho ya u a vhala.



Phindulo: _____



U paka mafhuri

Mafhuri a fumi a dzhena sagani litihiji.



Ni nga dadza masaga mangana nga mafhuri? _____

O fhira nga mafhuri mangana? _____

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



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

Fhedzisani mitalombalo.

Tsumbo:

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



a. $10 + 10 + 10 = \underline{\hspace{2cm}}$

zwigwada zwa $\underline{\hspace{2cm}}$ zwa 10 $\rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



b. $10 + 10 + 10 + 10 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

zwigwada zwa $\underline{\hspace{2cm}}$ zwa 10 $\rightarrow \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



Zwanda na minwe



Hu na zwanda zwingana? $\underline{\hspace{2cm}}$

Hu na minwe mingana? $\underline{\hspace{2cm}}$

Nwalani phindulo yanu nga ndila dza 2.

Zwigwada zwa $\underline{\hspace{2cm}}$ zwa 10 $\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ na $\underline{\hspace{2cm}} \times 10 = \underline{\hspace{2cm}}$



Teacher: _____
Sign: _____
Date: _____

3a



Deithi:

Themo ya |



U amba nga nomboro

Vhalani na u bula nomboro dzo $\ddot{\text{t}}$ he u bva kha 1 – 100. Sumbani ni tshi khou ralo u bula.

I	2	3	4	5	6		8	9	10
II									
						27			
			34						40
41									
				55					
		63							
71									
				86					
			94						100



- Nwalani nomboro 1 no khou $\ddot{\text{t}}$ ahela kha tshibuloko tshiñwe na tshiñwe muvhala wa lutombo.
- Nwalani idzo dziñwe nomboro.
- Nomboro dza $\ddot{\text{t}}$ ada ndi nomborode?



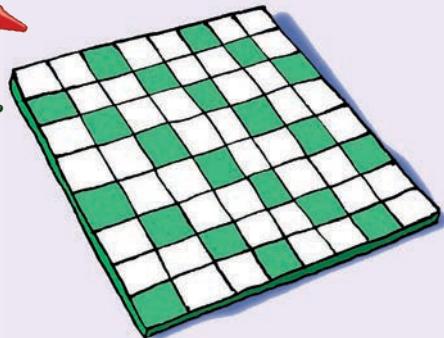
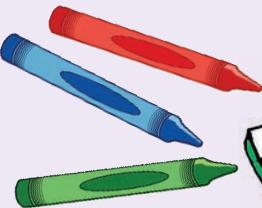
Nwalani nomboro nga maipfi.

90	fut $\ddot{\text{a}}$ he	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 dzilO u swika
kha 100.

Nwalani nga dzi5 u swika
kha 80.

Nwalani nga dzi2 u swika
kha 50.



Teacher:
Sign:

Date:

3b



Deithi:

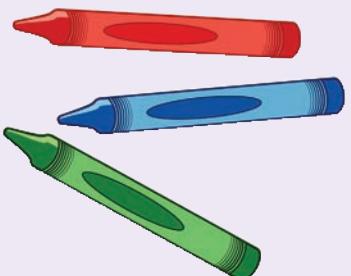
Themo ya |

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



U ṭala 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 dzot̄he.

Itani thiki kha 5 dzot̄he.

Itani thiki kha 2 dzot̄he.

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



Uvhala phetheni

Dzhenisani nomboro dzo ṭahelaho.

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





Deithi:

Vhuimo ha nomboro



U sumbedza nomboro dzanu

Gerani magaratā a nomboro a tshi bva kha bammbiri la zwigeriwa la l.

Shumisani magaratā kha u fhaṭa nomboro idzi.



43

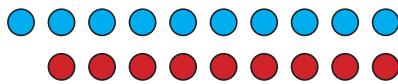
69

54

35

1	0	q
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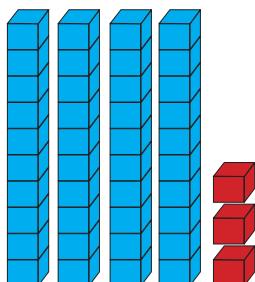
19



1	0	q
---	---	---

$$10 + 9 = 19$$

43



1	0	
1	0	
1	0	
1	0	3

$$40 + 3 = 43$$

Zwino fhaṭani nomboro idzi nga inwi muqe ni tshi shumisa Zwigeriwa l.

54

35

69



Unwala nomboro idzi

Ro dzula ro ni itela ya u thoma

Ri nga kha di ri
nthihi dza q

Iq	IO + 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 nthā, dzi tshi tou tevhekana u bva kha t̄hukhusa u ya kha khulwanesa.

_____ ; _____ ; _____ ; _____ ; _____



Teacher:
Sign:
Date:



5



Deithi:



Tshitolo tsha Takalani

Nga matsheloni Takalani u na phakhetha dza maapula dza 19.

Nga tshifhinga tsha tshiswi \ddot{u} lo o sala na phakhetha dza 13.

a. Ndi phakhetha nngana dze Takalani a rengisa? _____

b. Nwalani phindulo yanu sa fhungombalo.
_____ - _____ = _____Nwalani manwe mafhungombalo mat \ddot{u} nu ni tshi sumbedza phindulo i fanaho.

$15 - 9 = 6$ _____



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"/>

Mit \ddot{a} ya nomboro 5 9 14Tsumbo dza uno mu \ddot{a} wa nomboro khedzi

$9 + 5 = 14$	$5 + 9 = 14$
$14 - 9 = 5$	$14 - 5 = 9$



Ni nga kona u wana miṭa yoṭhe 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

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



Teacher: _____
Sign: _____
Date: _____



Deithi:

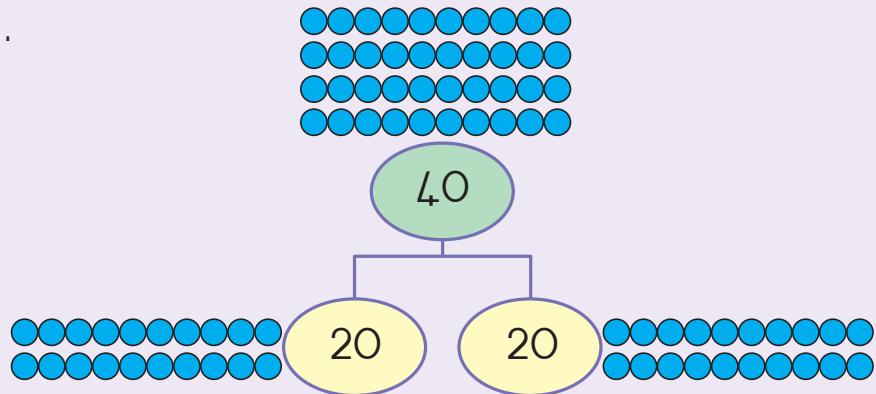
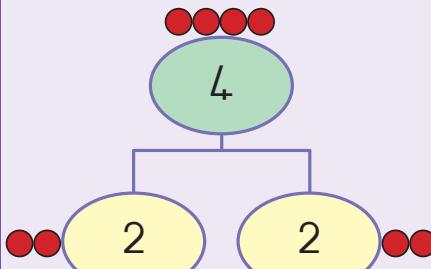


Nyingakavhili (Davhulu) na dzihafu

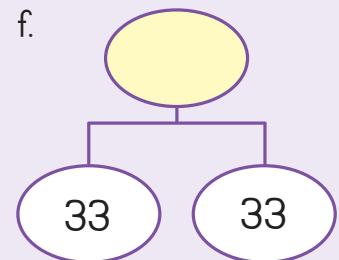
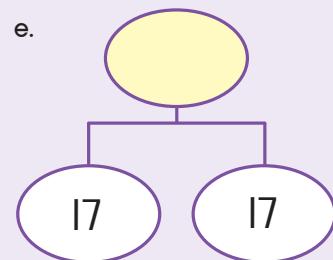
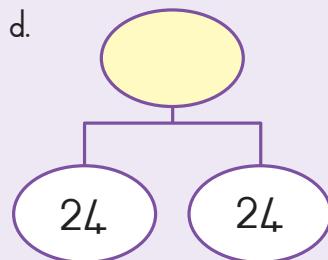
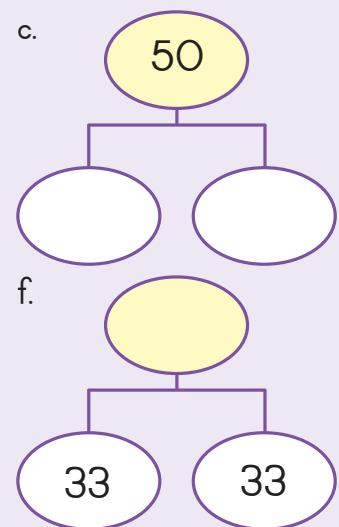
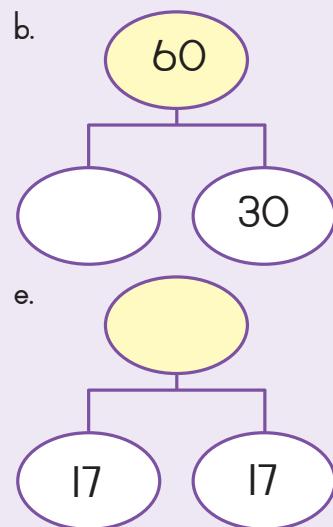
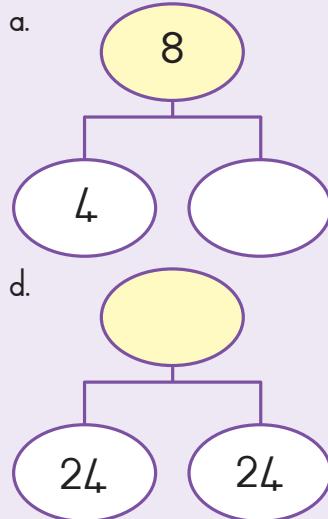
Ni kha di elelwa naa?

Nyingakavhili ya 2 ndi 4 Nyingakavhili ya 20 ndi 40 4 ndi 2 kavhili 40 ndi 20 kavhili

Ri nga sumbedza izwi nga nyolo ...



Wanani davhulu kana dzihafu



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 newa tsumbo ya u thoma.

a. Ingani kavhili 4

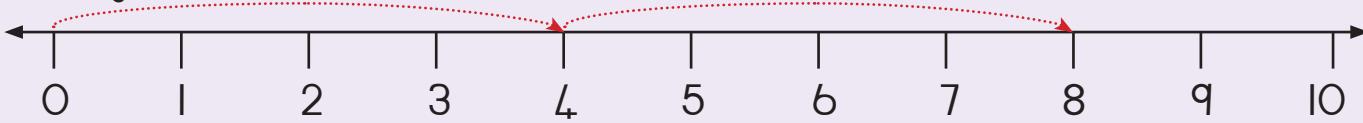
4

+

4

=

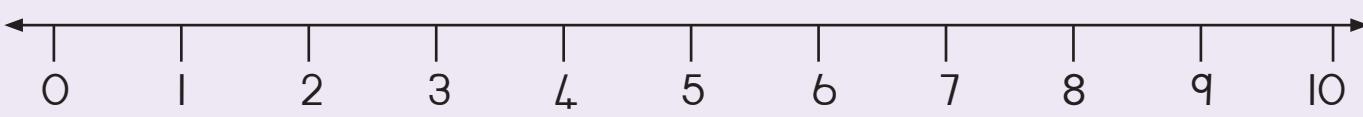
8



b. Ingani kavhili 5

+

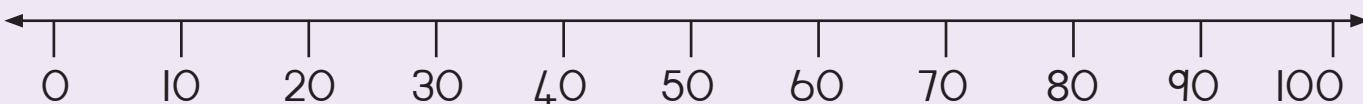
=



c. Ingani kavhili 20

+

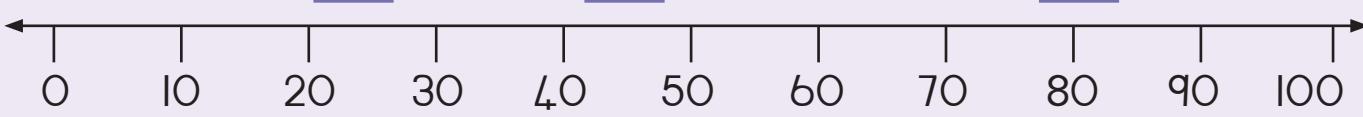
=



d. Ingani kavhili 40

+

=



Fhedzisani zwi tevhelaho

a. Ingani kavhili 1	<input type="text"/> 2
b. Ingani kavhili 6	<input type="text"/>
c. Ingani kavhili 10	<input type="text"/>
d. Ingani kavhili 30	<input type="text"/>
e. Ingani kavhili 50	<input type="text"/>



Fhedzisani zwi tevhelaho

a. Hafulani 6	<input type="text"/> 3
b. Hafulani 8	<input type="text"/>
c. Hafulani 14	<input type="text"/>
d. Hafulani 60	<input type="text"/>
e. Hafulani 70	<input type="text"/>





Furakhisheni (zwipida)

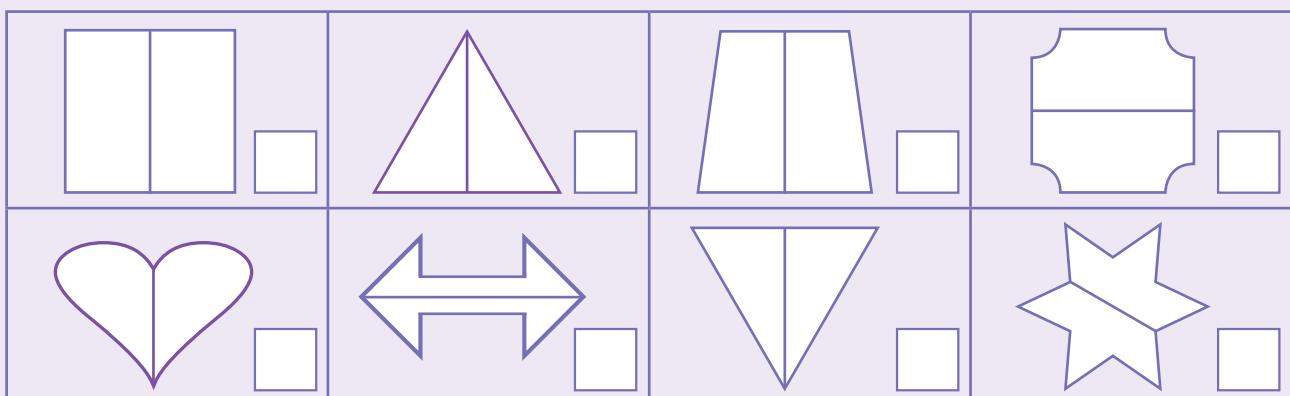
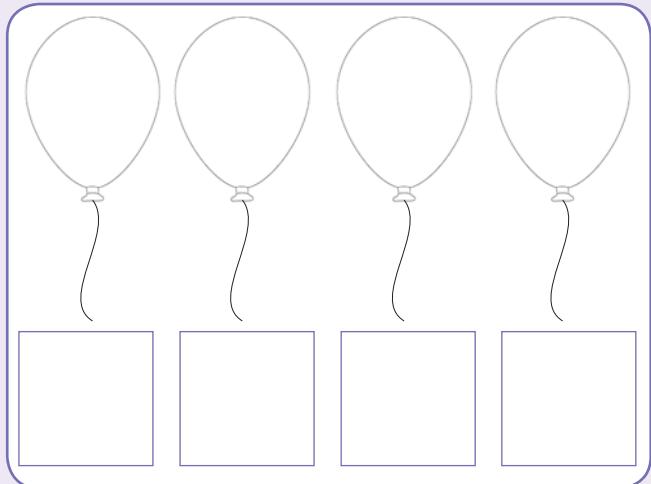
Khałarani kota nthihi ya mabaloni nga muvhala mutswuku ayo marwe nga wa lutombo.

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

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

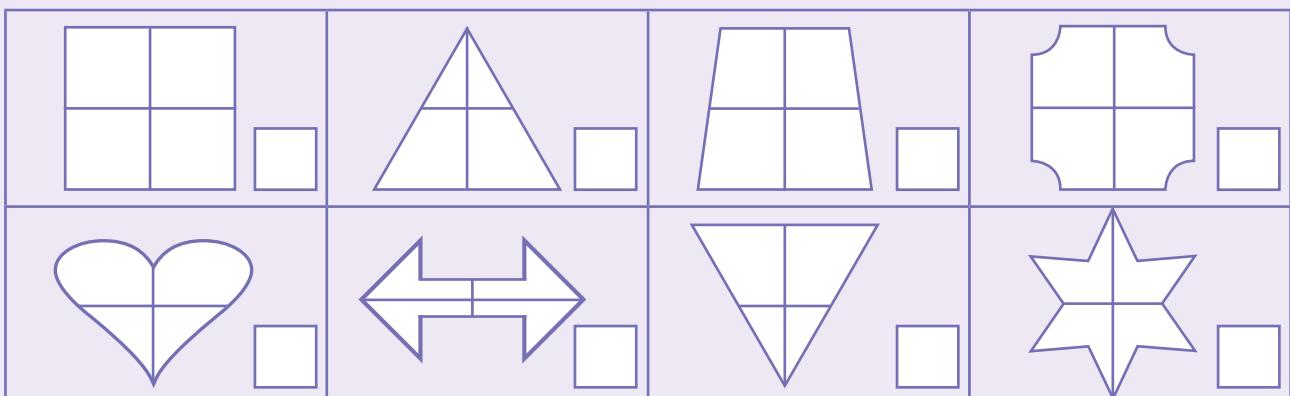


Khałarani hafu nthihi ya tshivhumbeo tshiñwe na tshiñwe tshe tsha fhandulwa tsha bva dzhafu.



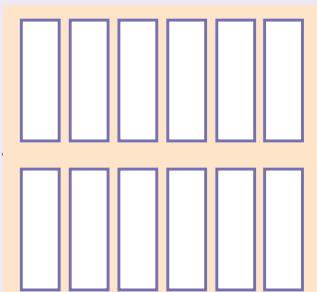
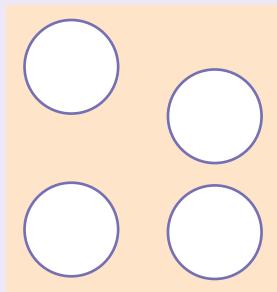
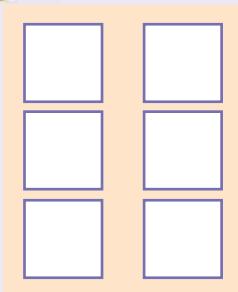
Lavhelesani zwivhumbeo. Nwalani thiki kha zwivhumbeo zwi no sumbedza dzikota.

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

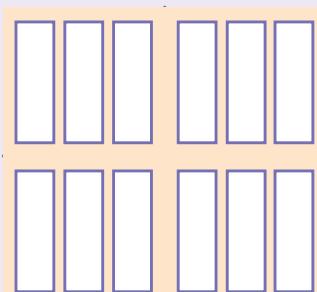
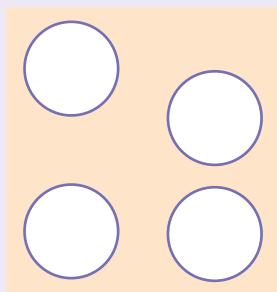
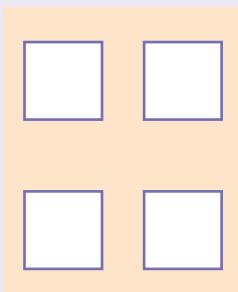




Khalaranı hafu ya zwivhumbeo. Hafu ya tshivhalo tsha zwivhumbeo ndi ifhio?



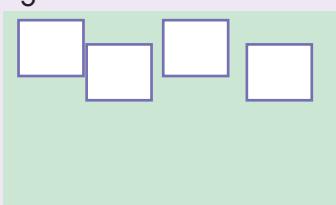
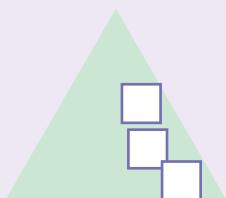
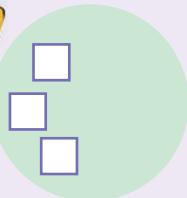
Khalaranı kota ya zwivhumbeo. Kota ya tshivhalo tsha zwivhumbeo ndi ifhio?



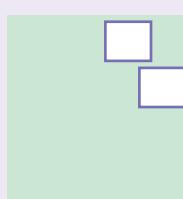
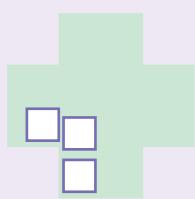
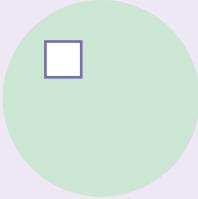
Nwalani sa luswayo (tshiga) lwa furakhisheni. hafu nthihi kota nthihi

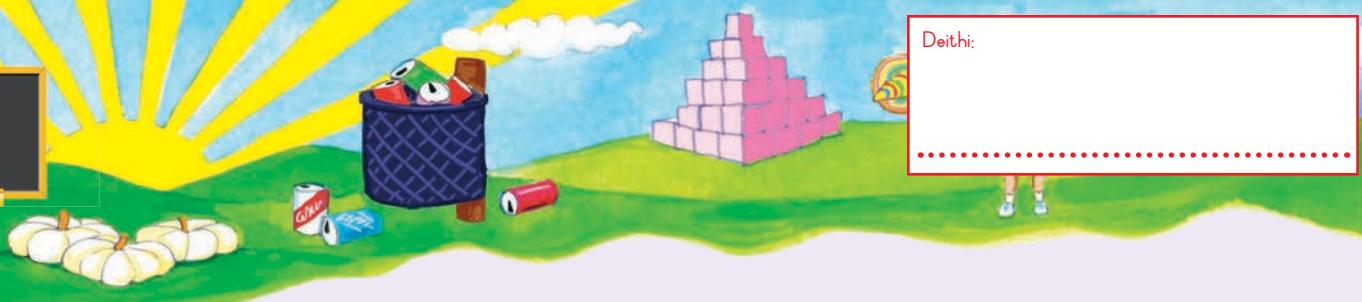


Olani zwivhumbeo zwiñwe hafhu u itela uri hafu iñwe i lingane na iñwe.



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





Deithi:



Tshitokofelani

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



Anganyelani tshelede yo $\ddot{\text{t}}$ he. 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 $\ddot{\text{t}}$ oda vhugai nga $\ddot{\text{n}}$ tha?

Nwalani fhungombalo $\ddot{\text{l}}$ a u sumbedza phindulo yanu.



_____ ————— —————



Banngani

Maria u vhekanya tshelede ya bammbiri
nga zwitopho zwa 5.

O sala na iñwe tshelede ya bammbiri.
Nwalani thanganyelo ya tshifanyiso
tshiñwe na tshiñwe.



Thanganyelo

	R _____
	R _____
	R _____



Khaedu

U dala zuu

Vhaaluwa na vhana vhaiñwe vha ya zuu.

Vha renga thikhithi dza R90.

Vhana ndi vhangana? _____

Vhaaluwa ndi vhangana? _____

Hu na iñwe phindulo naa?

Vhaaluwa _____ Vhana _____





Deithi:

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	20
2I	22	23	24	25	26	27	28	29	30
3I	32	33	34	35	36	37	38	39	40
4I	42	43	44	45	46	47	48	49	50
5I	52	53	54	55	56	57	58	59	60
6I	62	63	64	65	66	67	68	69	70
7I	72	73	74	75	76	77	78	79	80
8I	82	83	84	85	86	87	88	89	90
9I	92	93	94	95	96	97	98	99	100
I0I	I02	I03	I04	I05	I06	I07	I08	I09	I10
III	II2	II3	II4	II5	II6	II7	II8	II9	I20
I2I	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
I8I	I82	I83	I84	I85	I86	I87	I88	I89	I90
I9I	I92	I93	I94	I95	I96	I97	I98	I99	200



Shumisani bodo iyi ya nomboro ya 200 kha u fhedzisa nomboro nña dzi no tevhela kha phetheni idzi dza nomboro. Khalarani phetheni idzi kha bodo ya nomboro.

I05, II0, II5, _____, _____, _____, _____	87, 90, 93, _____, _____, _____, _____
36, 40, 44, _____, _____, _____, _____	184, 186, 188, _____, _____, _____, _____
70, 65, 60, _____, _____, _____, _____	138, 135, 132, _____, _____, _____, _____
I80, I76, I72, _____, _____, _____, _____	I4, I2, I0, _____, _____, _____, _____



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

U vhalela nga **thanu**.

		5		10	

U vhalela nga **mbili**.

2	4								

U vhalela nga **tharu**.

	3	6							

U vhalela nga **mahumi**.

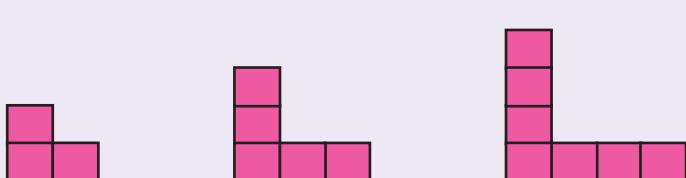
									10



Tharamudzani phetheni









Teacher:
Sign:
Date:

10



Deithi:

Themo ya |

Bola, zwibogosi na silinda



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



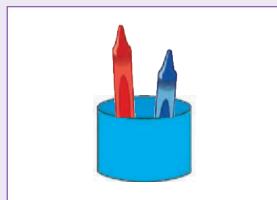
Khalaran i phindulo i re yone.



Bogosi li a

swenda

kunguluwa



Silinda li a

swenda

kunguluwa



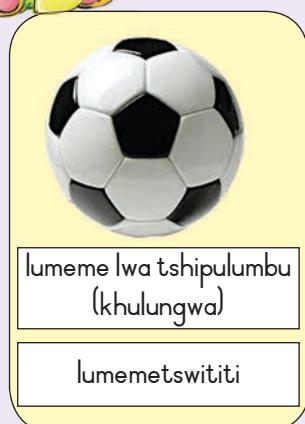
Bola li a

swenda

kunguluwa



Khalarani phindulo i re yone.



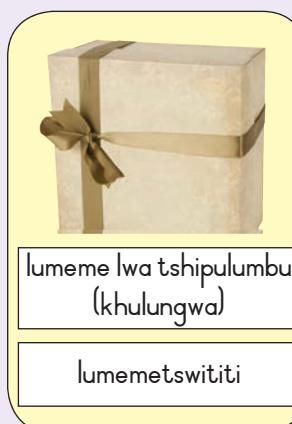
lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



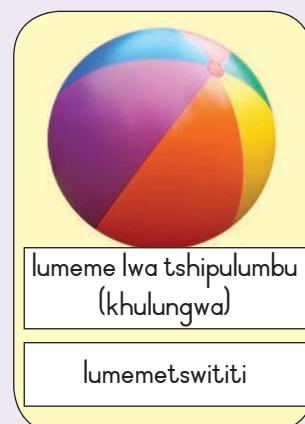
lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi

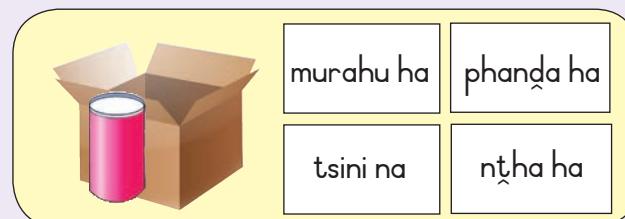
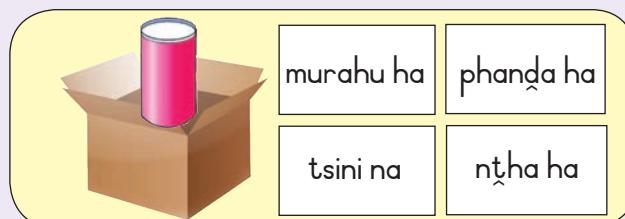


lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



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



Teacher:
Sign:
Date:



Deithi:

Themo ya |



U ola zwivhumbeo

Thiraiengele

Tshitendeledzi

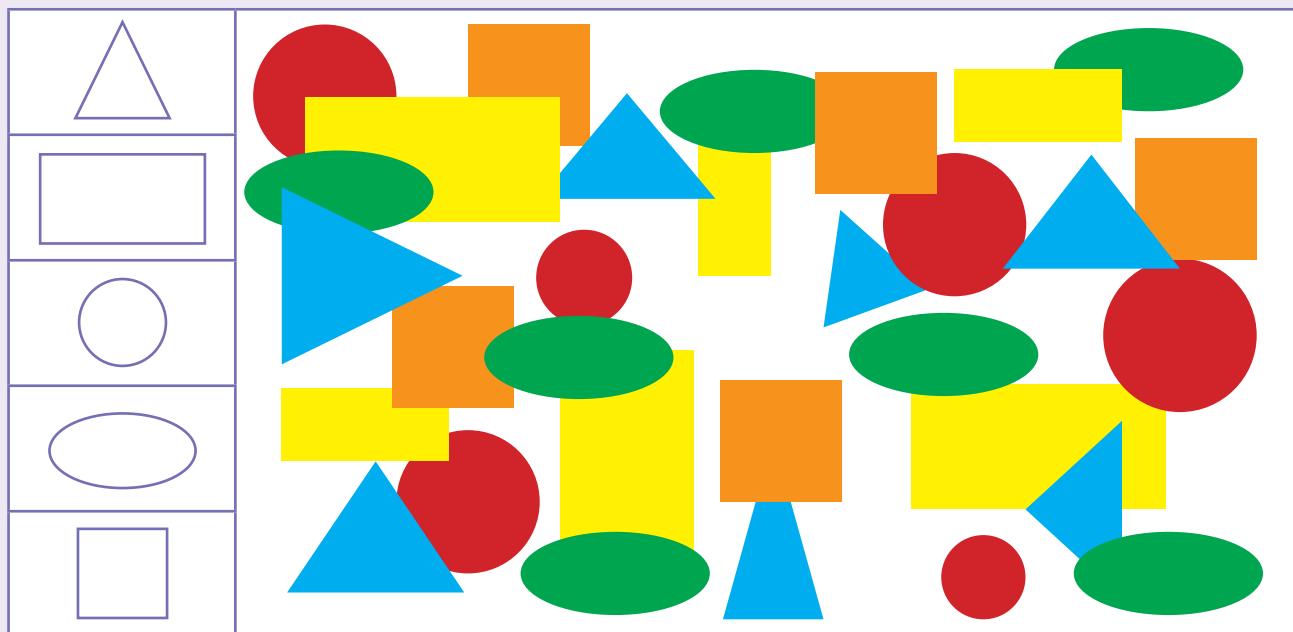
Tshikwea

Rekithiengele



U vhala zwivhumbeo

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

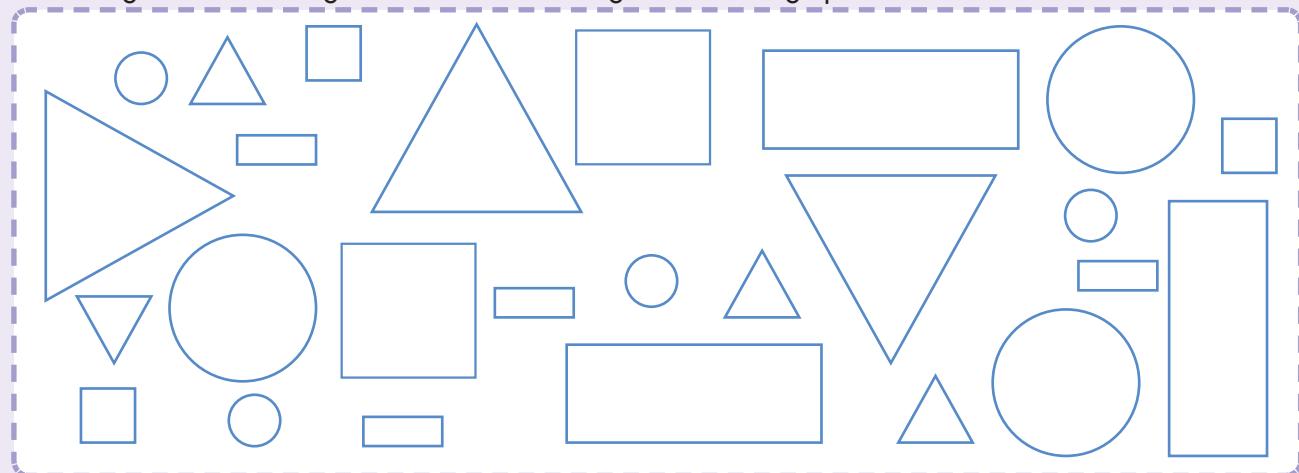




Khałarani zwołhe



zwitendeledezi zwiħulwane nga muvhala mutswuku; zwitendeledezi zwiħuku nga mudala;
thiraiengele khulwane nga wa lutombo; thiraiengele tħukhu nga tshitopana;
zvikwea zwiħulwane nnga tħada; zwikwea zwiħuku nga phephulu;
rekithiengelle khulwane nga buraweni; rekithiengelle tħukhu 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? Khałarani phindulo i re yone.

tswititi	tshipulumbu	tswititi	tshipulumbu	tswititi	tshipulumbu

tswititi	tshipulumbu	tswititi	tshipulumbu



Teacher:
Sign:
Date:

12



Deithi:

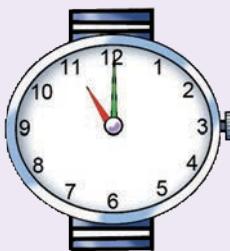
Themo ya |

U tshimbila ha tshifhinga



U vhala 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 dzi5.
Thomani kha 12. Ni mone nayo yothe.



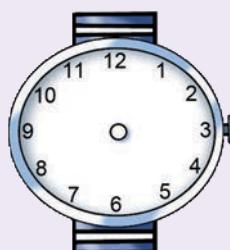
Ni vha no vhala miminete mingana? _____

Hu na miminete mingana kha awara ya I. _____



U nwala tshifhinga

Olanı 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 dzheni ovenini.



Vhurotho
vhu 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			

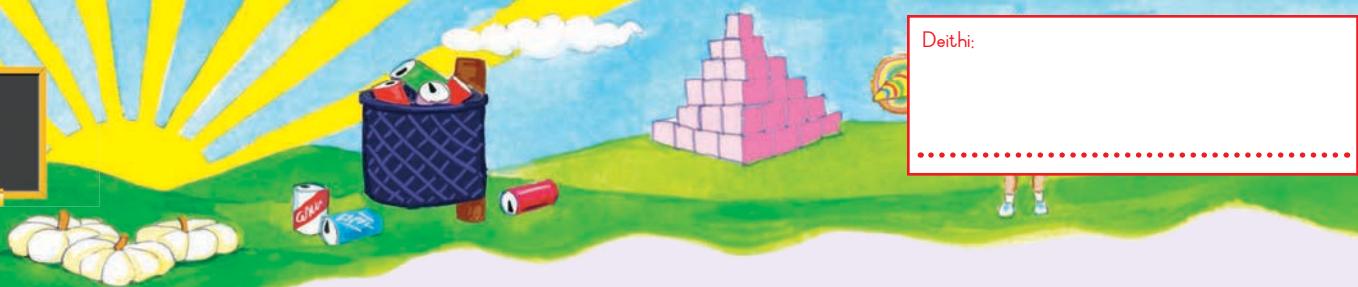


b. Jabu u fhedza miminete ya 45 u ya tshikoloni. Pfano u fhedza tshifhinga itsi luvhili.

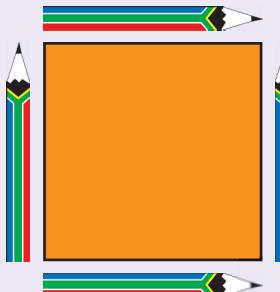
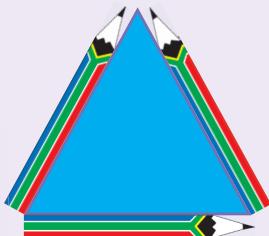
Ndi awara nngana dzine Zander a fhedza u swika tshikoloni? _____



Teacher:
Sign:
Date:



U pima vhulapfu/vhunavho



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



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



A thi ḫivhi uri
rekithiengle iyi i nga
vha i na vhulapfu na u
ṭandavhuwa zwingafhani.

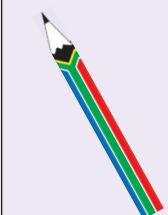
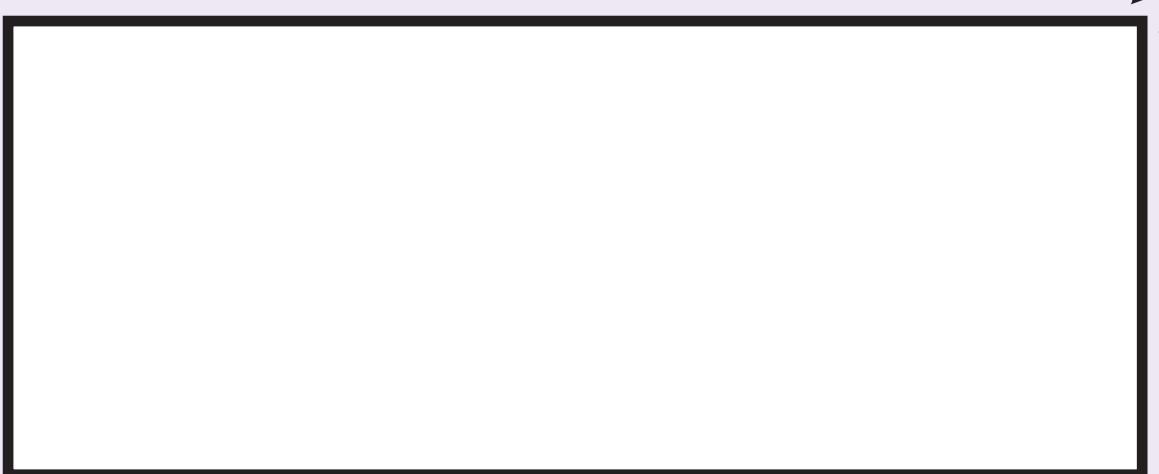
Rekithiengle iyi i na vhulapfu vhungafhani ha pinisela?



Rekithiengle iyi i na u ḫandavhuwa vhungafhani ha pinisela?



vhulapfu



vhuphara

No shumisa pinisela nga ndilade kha u vhala?

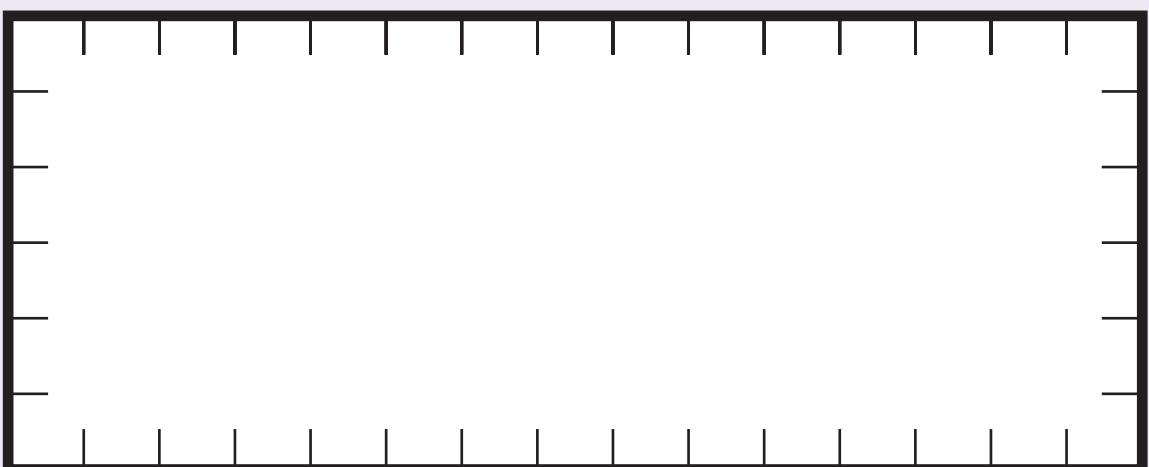


Tshibulebule tsha vhulapfu

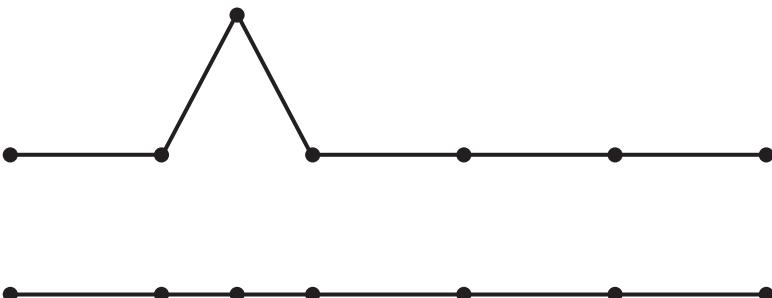
- a. Ndi mitalo mingana miset̄ha
ine na i ṭoda uri ni kone u tiba mutalo mutswu?



- 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? _____





Khaphasithi (ndadzo)

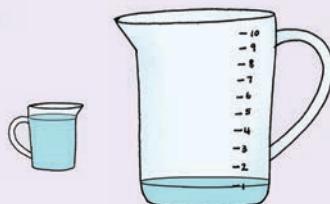
Ndo no shela
lebula nna
khaphuni

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.



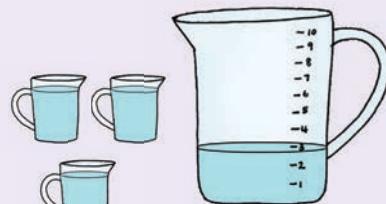
Kha tshifaredzi:

1

Hu ḥodea hafhu:

9

b.



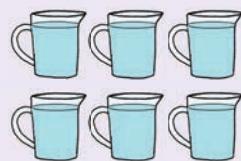
Kha tshifaredzi:

1

Hu ḥodea hafhu:

10

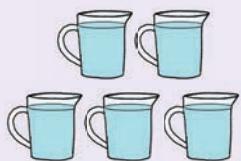
c.



Kha tshifaredzi:

Hu ḥodea hafhu:

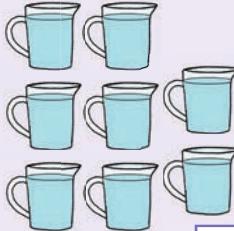
d.



Kha tshifaredzi:

Hu ḥodea hafhu:

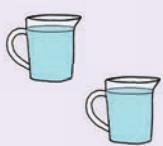
e.



Kha tshifaredzi:

Hu ḥodea hafhu:

f.



Kha tshifaredzi:

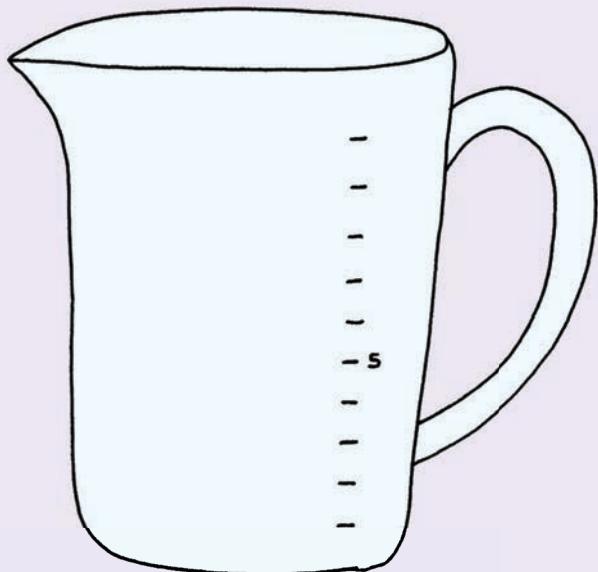
Hu ḥodea hafhu:

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 ṭodea khaphu nngana uri ni dadze dzhege u swika kha:

- a. 4 _____
- b. 6 _____
- c. 8 _____
- d. 10 _____



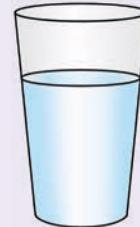
Itani thiki kha zwifaredzi zwine na vhona u nga zwi hwala | litha ya zwiludi ni zwi nambatedze ni tshi thoma kha zwitukusa u swika kha zwi hulwanesa.













Teacher:
Sign:
Date:

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Deithi:



Themo ya |



U tanganya na u tusa (tshileme)

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



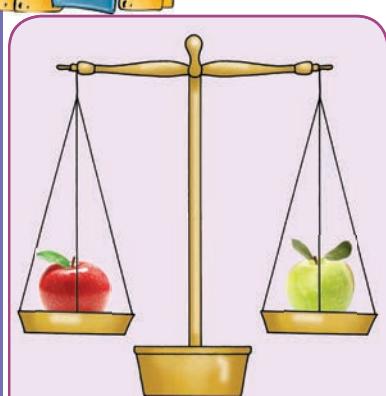
42 kg



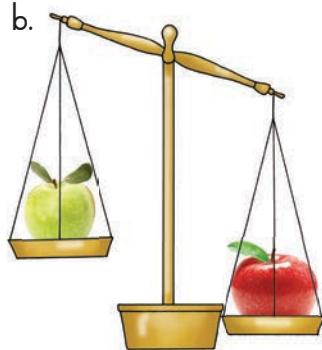
39 kg



Ri shumisa tshikalotshilinganyisi (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**?



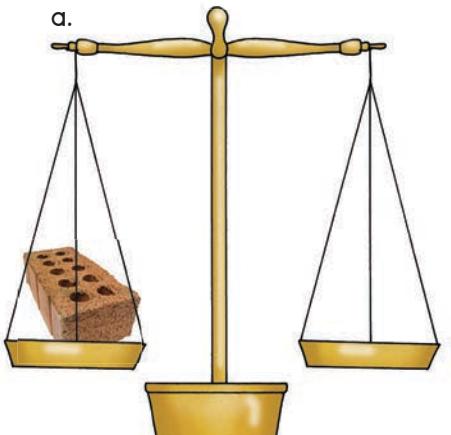
Linganyisani zwikalo

Ro dzula ro ni itela ya u thoma.

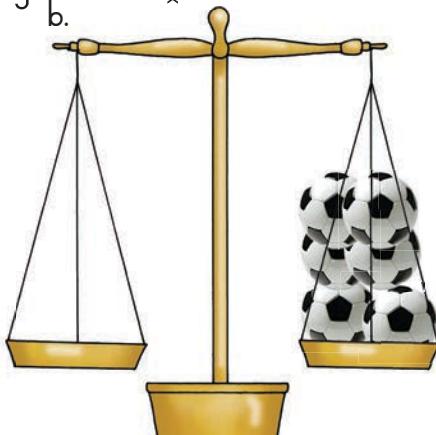


Olani uri hu t̄odea zwidina zwingana kana bola nngana kha u ita uri zwikalo izwi zwi lingane (zwi balantse)

a.



b.



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



a. Phasela dza 2 _____

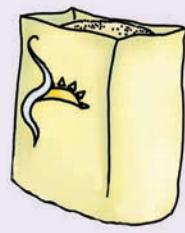
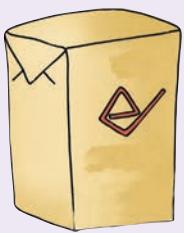
b. Phasela dza 3 _____

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,





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Date: _____

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Deithi:

Themo ya |



Zwienda kilasini

Vhalani tshitɔri

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 Ქahe!
Thabo, inwi ni ambara saizi ifhio ya tshienda? Ndi saizi ifhio ine vhaňwe vhot̄he
kilasini vha ambara? Kha ri ite Ქhodisiso!

Vhagudi vha nga bula saizi dzavho nga muthihi nga muthihi.

Mufumakadzi Vho Khoza vha ñwala saizi kha bodo ya u ñwalela.

Mufumakadzi: Vhalani, ni kone u ñwala uri saizi iňwe na iňwe yo ñwalwa 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



Zwino olani girafu ya
zwifanyiso (phikhithogirafu)



= mugudi muthihi

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

Zwino fhindulani mbudziso idzi.



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



Zwino inwivho?

Wanani uri ndi saizi dzifhio 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 zwiwe zwigwada.



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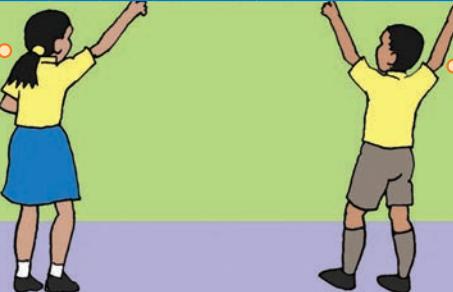
17



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

Ndi nomboro if hio
i no rangela 84?
Ndi nomboro if hio i
no tevhela 84?



Ndi nomboro if hio
i re vhukati ha 88
na 90?



Dzhenisani nomboro dzi no khou ṭahela.

51																			
71																			
																		100	

Shumisani bodo ya nomboro kha u fhindula mbudziso.

- Ndi nomboro if hio i no rangela 68? _____
- Ndi nomboro if hio i no tevhela 68? _____
- Nwalani nomboro ṭhanu ṭhukhu kha 71, _____, _____, _____, _____, _____
- Nwalani nomboro ṭhanu dzi re khulwane kha 71. _____, _____, _____, _____, _____
- Ndi nomboro dzifhio dzi re vhukati ha 79 na 84? _____
- Nwalani nomboro idzi dzi tshi bva kha ṭhukhusa dzi tshi ya kha khulwanesa. 73, 52, 50, 59, 61
- Nwalani nomboro idzi dzi tshi bva kha khulwanesa dzi tshi ya kha ṭhukhusa. 74, 96, 99, 91, 38



Fhedzisani thebulu. Ni thome nga nomboro ye na newa.

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



Tangedzelani nomboro khulwanesa

78 87 17

36 63 33

Tangedzelani nomboro ṭhukhusa

99 19 9

14 41 40



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

32 < 64

23 > 18

57 [] 98

89 [] 57



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





Deithi:



Vhuimo ha nomboro u swika kha qq

U sumbedza nomboro ni tshi shumisa zwithu

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

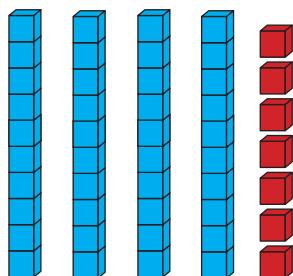
Tshibuloko tshituku tshi imela 1. Ndi yuniti.

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

Mahumi	Yuniti
10	1

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 garat̄a dza nomboro kha u zwi sumbedza.

Nomboro	Ndi mađana mangana?	Hu na yuniti nngana?	Ńwalani nomboro nga maipfî
26	2	6	Fumbilirathi
46			
qq			



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>furaruthanu 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> <hr/> <hr/>	Mahumi	Yuniti		
Mahumi	Yuniti					
		<table border="1"> <tr> <td>Mahumi</td> <td>Yuniti</td> </tr> <tr> <td></td> <td></td> </tr> </table> <hr/> <hr/>	Mahumi	Yuniti		
Mahumi	Yuniti					



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Deithi:

Themo ya |



U vhea mahumi fhethu huthihi musi ri tshi ḥanganya na 99

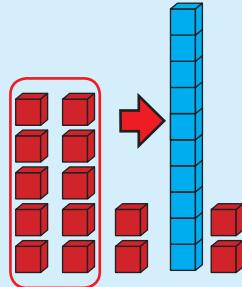
Inwe ndila ya u
sumbedza 22 khei.

Mahumi	Yuniti

fumi 1 nthihi dza 12

10 10 2

Hu na yuniti dza 12.
Ri do vhea 10 wadzo kha tshigwada.



Ri do vhea yuniti dza 10
kha tshigwada

Zwino ri na inwe ndila
ya u sumbedza 22.

Mahumi	Yuniti

mahumi 2 nthihi 2

2 2

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

27 ndi mahumi a 2 na yuniti dza 7.
Ra kona u ḥanganya yuniti dza 4.

Mahumi	Yuniti

2 wa
mahumi yuniti dza 7
+ yuniti dza 4

2 0 7 4

Ri na mahumi a 2 na
yuniti dza 11.

Mahumi	Yuniti

Ri nga sumbedza yuniti
dza 10 sa fumi nthihi

2 0 1 0 1

Zwino ri na
Mahumi 3 + yuniti 1 = 31

Mahumi	Yuniti

 + =

3 1



Nwalani fhungombalo lo sumbedzwaho nga tshifanyiso

Mahumi	Yuniti		
$10 + 5 + 6$	$\underline{\quad} + \underline{\quad} + \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$	

Fhedzisani zwifanyiso. Nwalani mafhungombalo a re tshifanyisoni.

Mahumi	Yuniti		

Mahumi	Yuniti		



Teacher:
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Date:



Tanganyani kha mutualombalo

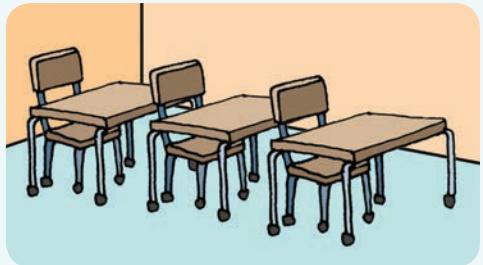
Dzulani desikeni yanu!

Tshikoloni tshashu mugudi muñwe na muñwe u na desike yawe.

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

kha Gireidi 3B.

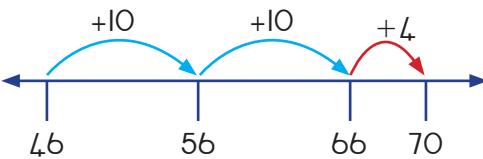
Ndi desike nngana dzine ra ḥoda kilasini vhuvhili hadzo?



Shumani na muñwe nga inwi

Lavhelesani uri vhagudi avha vhararu vho shumisa hani mutualombalo 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 inwe 10 nda swika kha 66.

Mafhedzeloni, ndi fhufha nga 4 hafhu nda swika kha 70.

Sumbedzani nga garata dzañu dza nomboro.

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

$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

Ndi tea u
ṭanganya 24
kha 46.



a. $32 + 25 =$

→

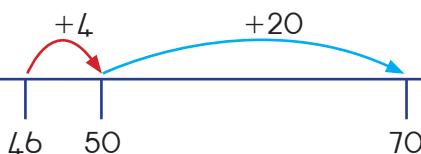


b. $52 + 26 =$

← →

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 garatā dzañu dza nomboro.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$

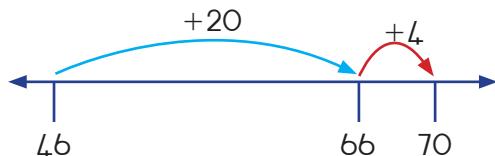
← →



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 (hu iswa phanda)



Ndi lofo nngana?

Mubaki u disa lofo dza 54 dza burauni na dza 68 tshena .

Ndi lofo nngana dzo tangana dzothé?

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



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

$38 + 24 =$

$58 + 17 =$

$75 + 16 =$

$83 + 29 =$



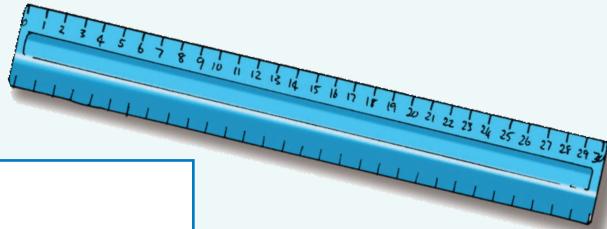


Tusani kha mutalombalo

Mugudi muthihhi! Rula nthihhi!

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

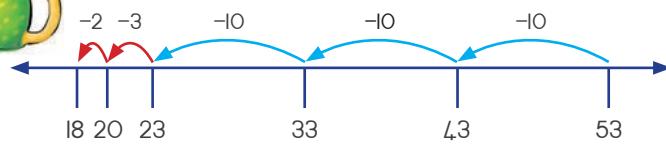
Ndi nngana dzine ra dzi ṭoda? $53 - 35 =$



Shumani na muñwe nga inwi

Vhalani uri vhagudi vhararu vhenevha la vhatihhi vha shumisa hani mutalombalo afha.

Fhedzisani ḫhanganyelo ni tshi shumisa tsumbo.



Ndi tea u ṭusa 35 kha 53.
Muñuso zwi amba u bvisa.



Ndi do thoma kha 53 nda ṭusa. **Ndi do bvisa** 10, 10, 10 – izwo zwi do ntswikisa kha 23. Zwino ndi tea u bvisa ḫhanu, ndi thoma nga u ṭusa 3, nda swika kha 20. Ndi ṭusa hafhu 2 nda wana 18. Zwi amba uri ri ṭoda 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. $68 - 24 = \boxed{}$

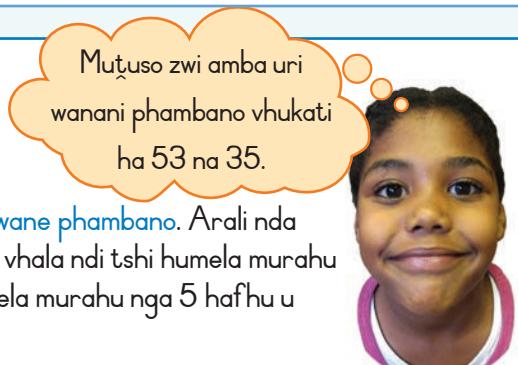
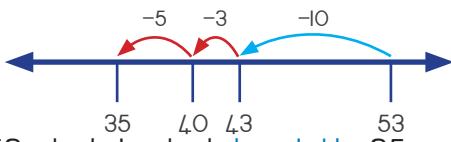
← →

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 hafhu u swika kha 40. U bva afho nda vhala ndi tshi humela murahu nga 5 hafhu u swika kha 35.

10 ra tanganya na 3 ra tanganya na thanu ndi **18**. Zwi amba uri ri tod a rula dzinwe dza 18.

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

← →



Teacher:
Sign:
Date:

2lb

Deithi:



Themo ya |

Tusani kha mutalombalo (hu iswa phanda)

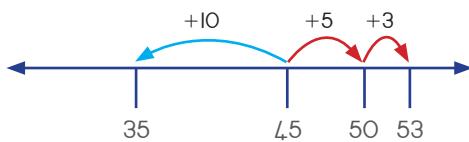
b. $65 - 43 =$



c. $72 - 39 =$



d. $85 - 48 =$



Ndi nga thoma kha 35
nda vhona uri ndi nga pfuka
lungana u vhala **u swika kha** 53. Fumi ra ḫanganya na ḫanu ra ḫanganya na raru
ndi 18. Ri ḫoḍa 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





Ndi tshifhinga tsha phathi

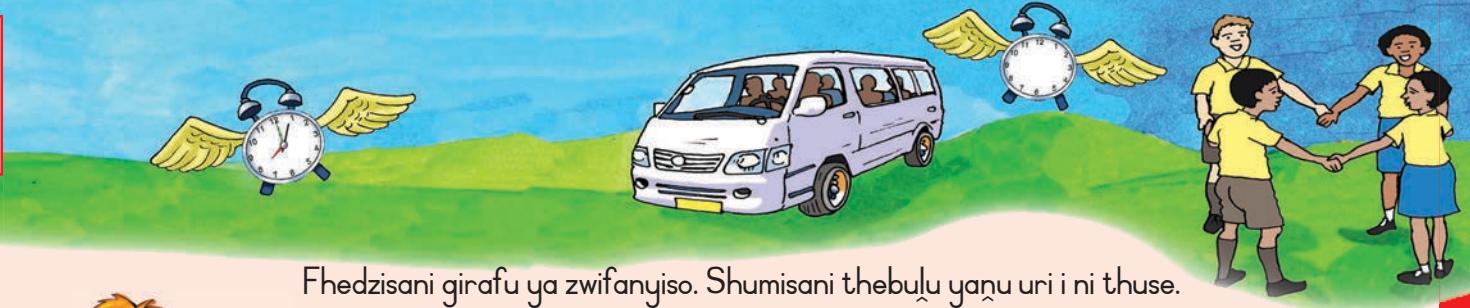
Pulane ya u thoma!

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 nwale uri ndi khonani nngana dzo nangaho lushaka luwe na luwe lwa zwiliwa.

Nomboro				



Fhedzisani girafu ya zwifanyiso. Shumisani thebulu yanuuri i ni thuse.

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



😊			
😊			
😊			
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23



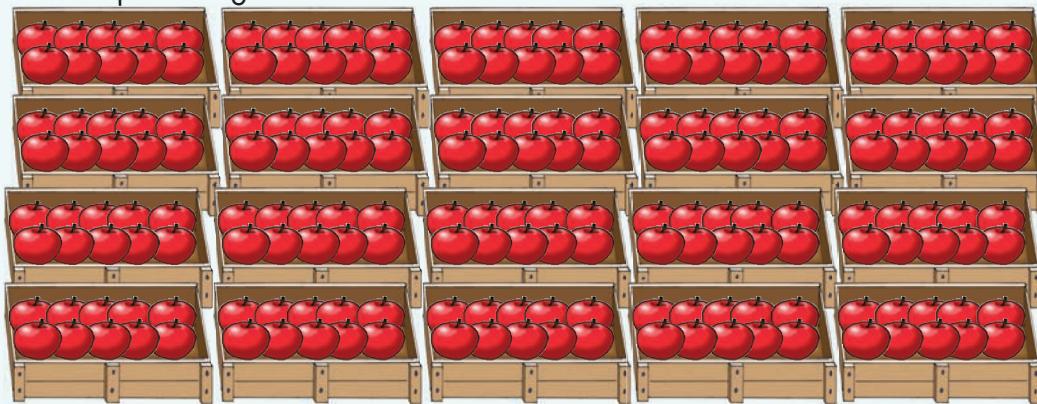
U vhala u swika kha 200

Deithi:

Themo ya |



Ndi maapula mangana ane na kona u a vhona?



Dzhenisani nomboro

Bogisi $\frac{1}{10}$ li na maapula a

Rou ya $\frac{1}{10}$ i na maapula a

Rou ya $\frac{1}{10}$ i na mabogisi a

Rou dza $\frac{4}{10}$ dzi na maapula a



Hu na maapula a 10 bogisini $\frac{1}{10}$ we na $\frac{1}{10}$ we. Ndi maapula mangana a re hone?

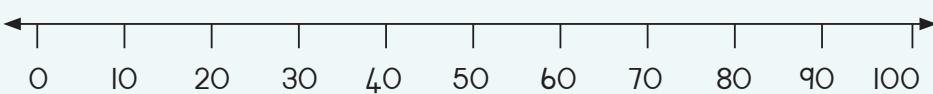


Zwisumbedzeni kha mutualombalo.

a. Hu do vha na maapula mangana mabogisini matanu?



b. Hu do vha na maapula mangana mabogisini a sumbe?





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

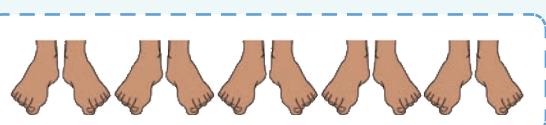
zwitopho zwa 5 zwa 10 zwi ita – \times = kana \times =

zwitopho zwa 2 zwa 10 zwi ita – \times = kana \times =

Phere dza 5 dza milenzhe.



Hu na zwikunwe zwingana zwo ṭangana zwothe?



$10 + 10 + 10 + 10 + 10 =$ 5 0 $5 \times 10 =$

kana $10 \times 5 =$

Shumisani ndila yoneyi kha u shuma hedzi.

Phere dza 4 dza ḥayo. Hu na zwikunwe zwingana zwo ṭangana zwothe?

= \times = kana \times =

Phere dza 3 dza ḥayo. Hu na zwikunwe zwingana zwo ṭangana zwothe?

= \times = kana \times =



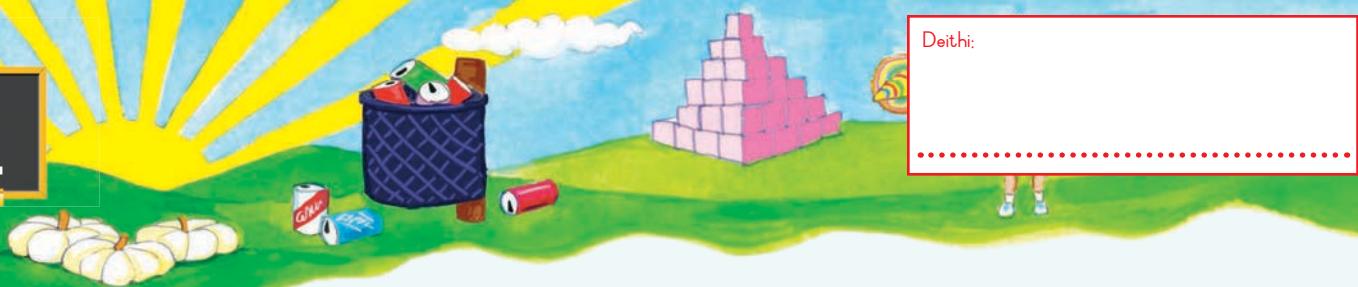
Kha ri vhale (vhalele)

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

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



24



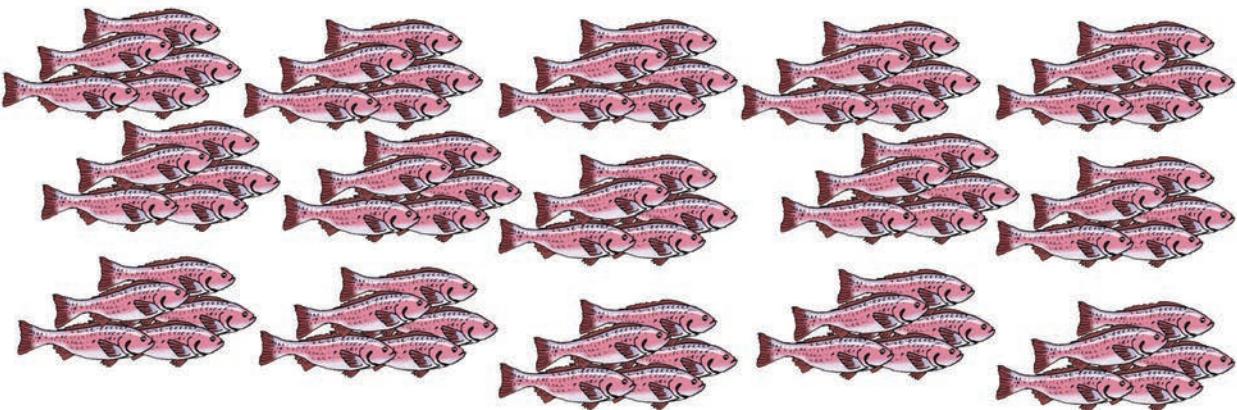
Deithi:

Themo ya |

U ita ndowendowe nga 5



Hu na khovhe nngana? Anganyelani



Zwino vhalani khovhe. Wanani ṭhanganyelo.



Vhalani nga 5

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

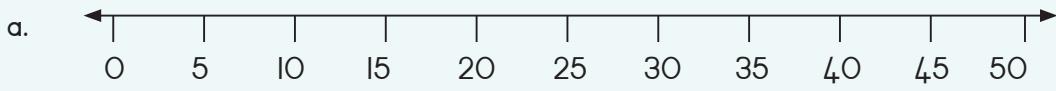
Khovhe na makumba	Hu na makumba mangana o ṭangana otthe?	
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 10		
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 4		
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 3		
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		



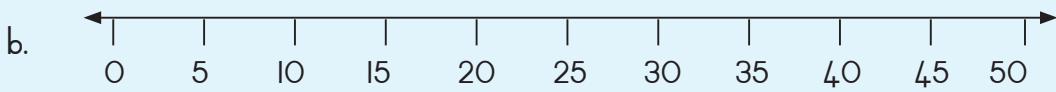
Fhedzisani mafhungombalo na mitalombalo



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



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



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



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



U rea 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?



Teacher:
Sign:

Date:

25a



Deithi:

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



Deithi:

Themo ya |



Uvhala nga 2 (u iswa phanda)

Ufhatā phere

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.

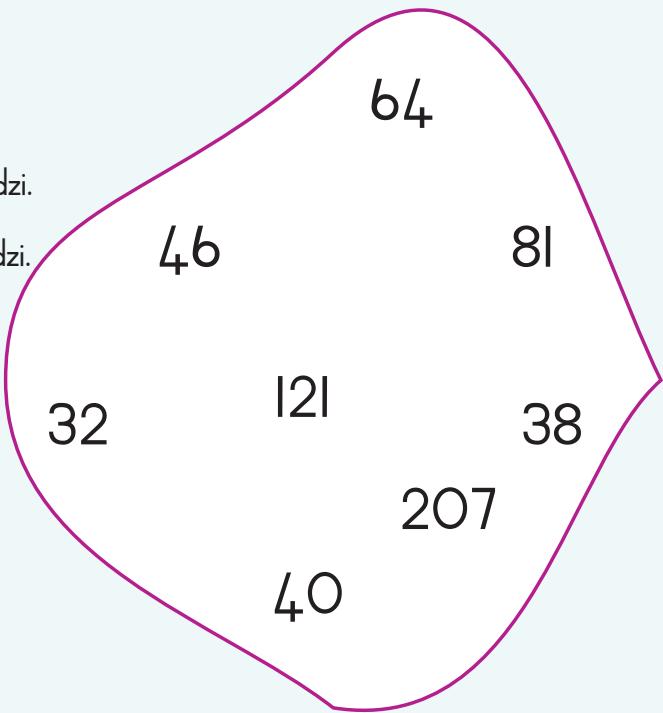
3, 5, 7,



Dziodo na dziivini

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 | 

$$2 \times 1 = 2$$

Sogisi dza 20 = phere dza 10

$$2 \times 10 = 20$$

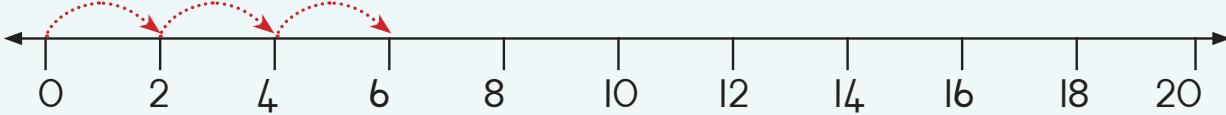
a. Nwalani uri ndi masogisi mangana.

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

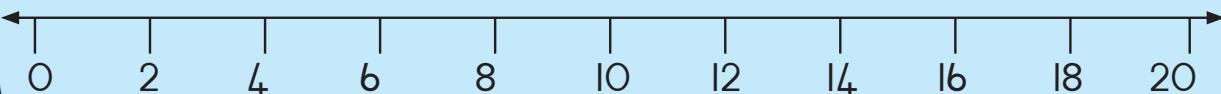
b. Sumbedzani mbalo kha mutalombalo ni f'hdzise.

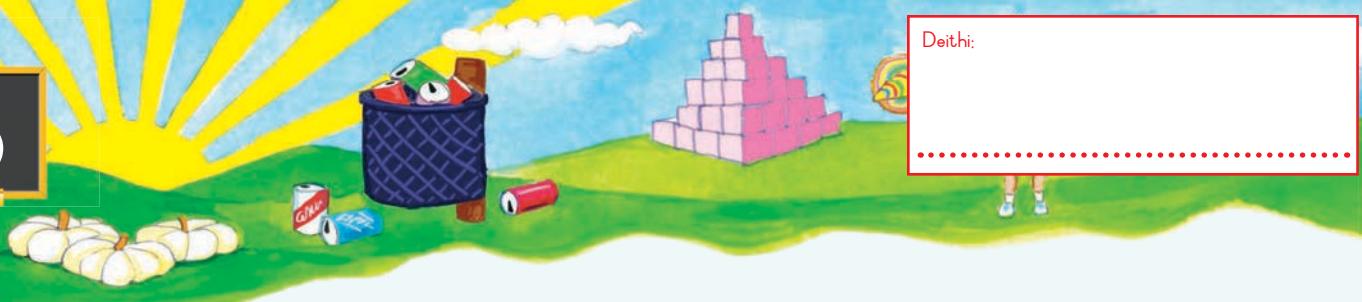
Tsumbo:

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



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





Tshelede kale na zwino

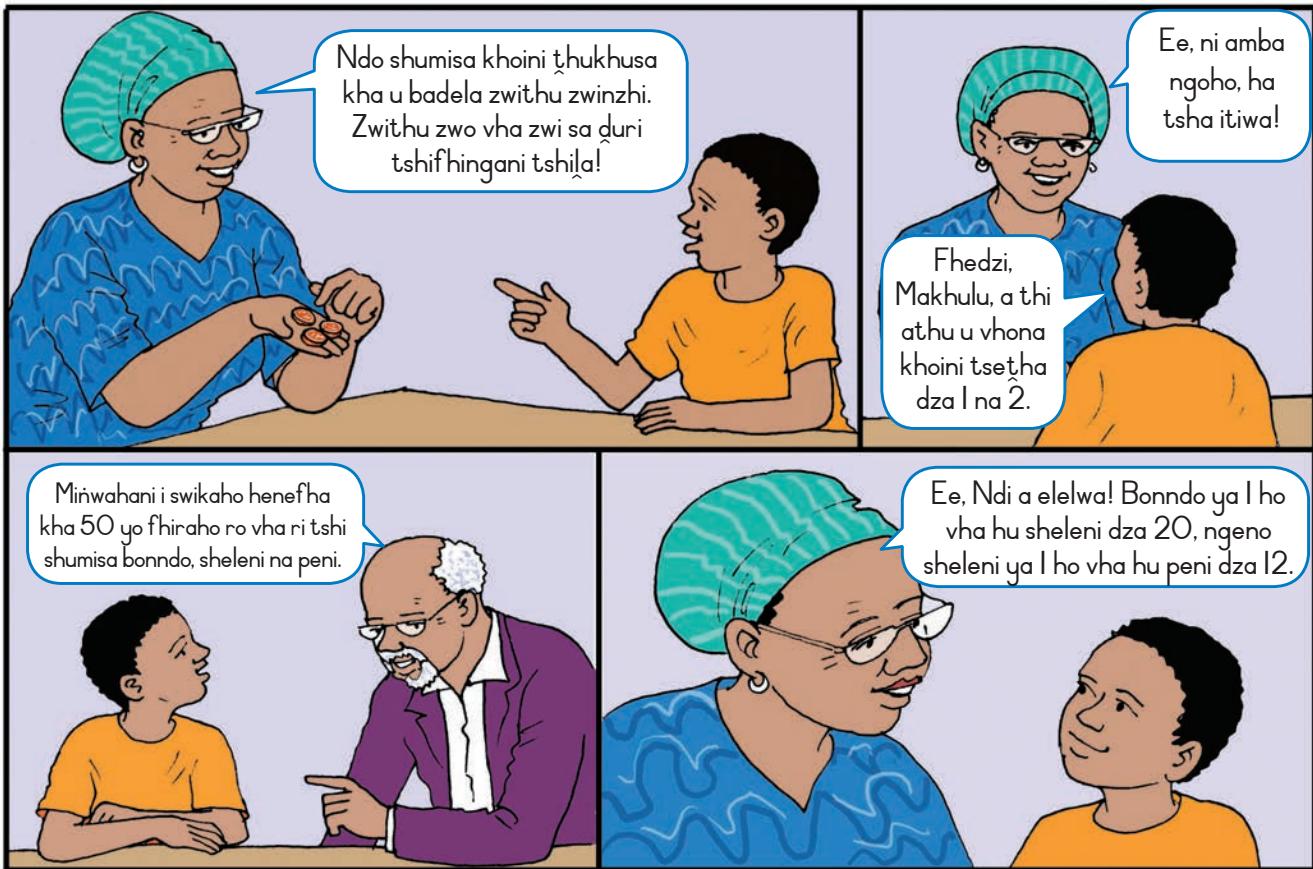


Nganetshelo ya tshelede yashu

Afrika Tshipembe ri shumisa dzirannda na masenthe sa tshelede yashu.

Ro thoma u shumisa dzirannda na masenthe nga 1961.

Tshifhingani tshenetsho khoini ya senthe l yo vha i ḫukhusa, ha tevhela ya 2 senthe ha kona u da 5 senthe.





Vhalani masenthe

Vhalani masenthe.

Ndi masenthe mangana ane na vha nao?

Hu ḫodea 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 ḫura vhugai?



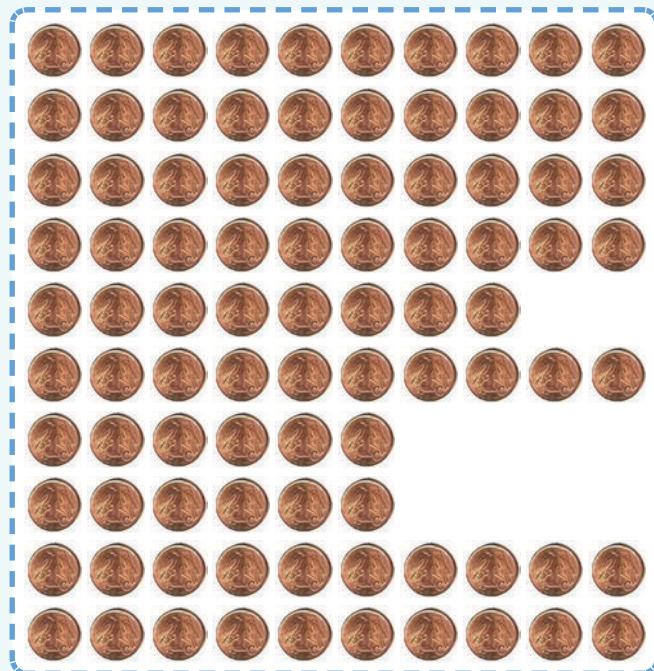
ya 2 i ita R4,00.



a 2 a ita R2,00.

Ni wana miomva mingana nga R20,00?

Ni wana maapula mangana nga R9,00?



Teacher:

Sign:

Date:

27



Deithi:

Themo ya I



Malinga nga 3



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

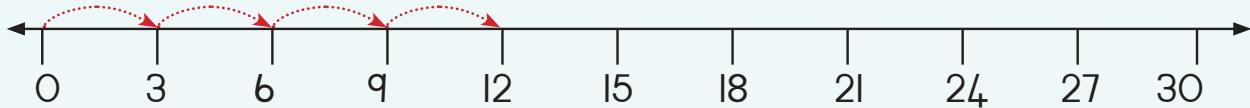


thiraisaikili dza 5 dzi na malinga a _____	$3 + 3 + 3 + 3 + 3 = 5 \times 3 =$ _____
thiraisaikili dza 2 dzi na malinga a _____	$3 + 3 = 2 \times 3 =$ _____
thiraisaikili dza 4 dzi na malinga a _____	
thiraisaikili dza 6 dzi na malinga a _____	
thiraisaikili dza 9 dzi na malinga a _____	
thiraisaikili dza 8 dzi na malinga a _____	

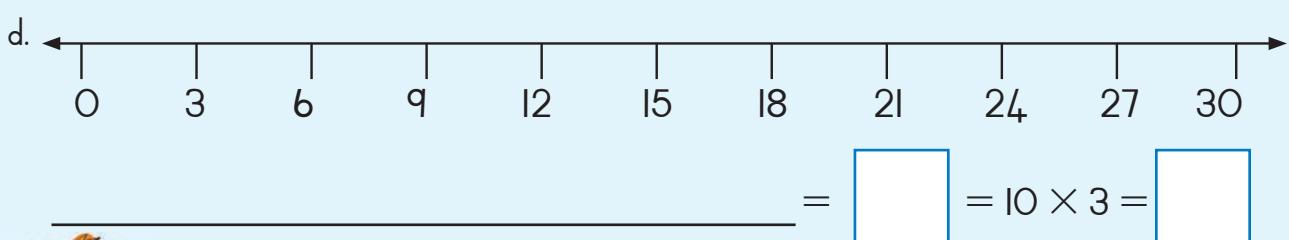
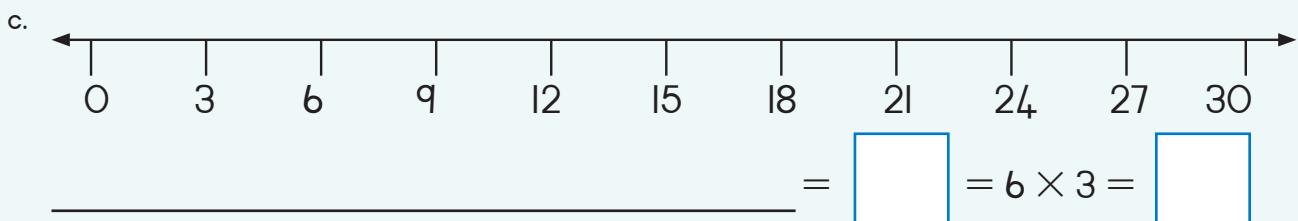
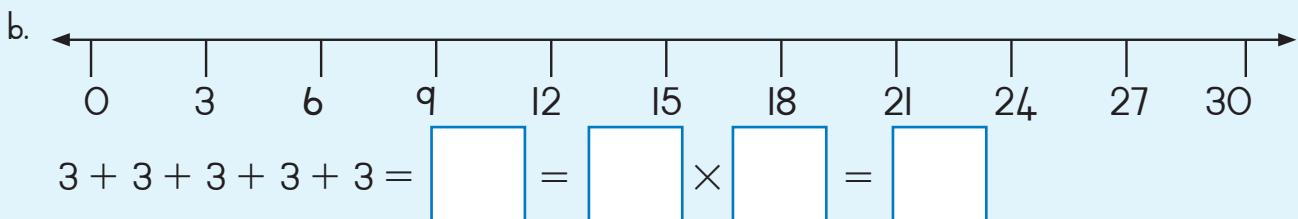


Mitalombalo

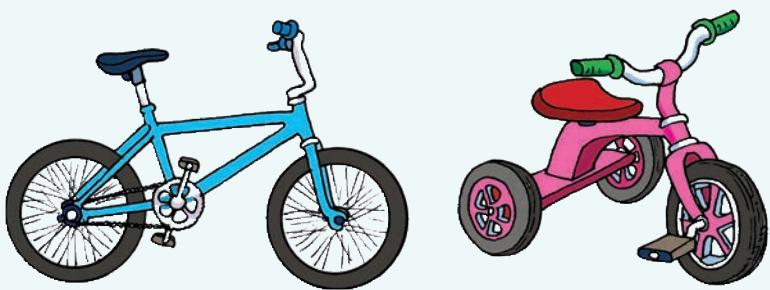
Tevhedzani tsumbo



a. $3 + 3 + 3 + 3 =$ $= 4 \times 3 =$



Baisigira dza malinga mavhili na baisigira dza malinga mararu



Vhengeleni ḥa baisigira Mulanga u vhala malinga a baisigira dza malinga mavhili na a baisigira dza malinga mararu. Hu na malinga a 14 o ṭangana.

Hu na baisigira nngana dza malinga mavhili? _____

Hu na baisigira dza malinga mararu nngana? _____



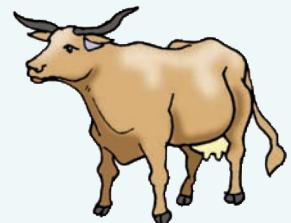
Teacher:
Sign:

Date:



Milenzhe miña

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



Milenzhe ya kholomo ndi 4.

Ndi mini tshinwe hafhu tshine tsha vha zwiñazwiña? _____



Uvhala milenzhe

Kovhanani phindulo.
 Talutshedzani zwe na ita.

Shumisani zwine na zwi ñivha nga 4 ni tshi fhindula mbudziso idzi.

Kholomo ya 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 thebuļu i re afho fhasi.

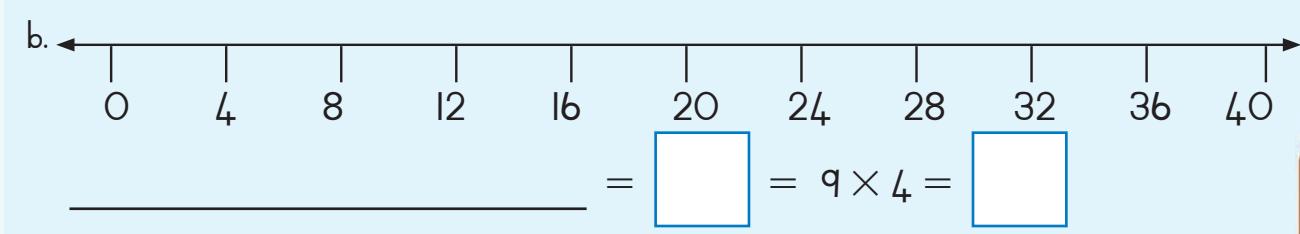
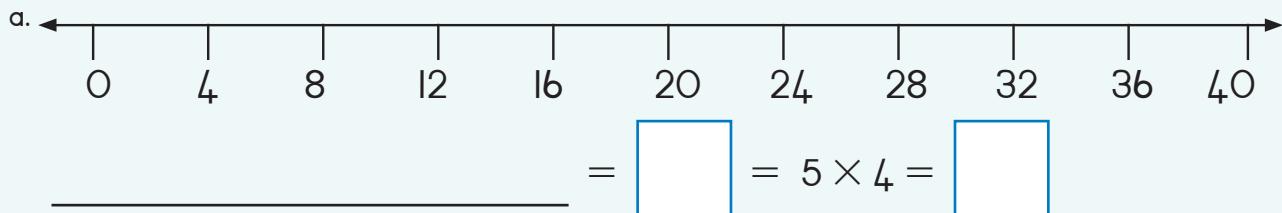
Shumisani tsumbo uri l i ni dedeze.

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 matalombalo.



Teacher:
Sign:
Date:



Deithi:

Phetheni dza nomboro



Phetheni dza qiridi

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

Olani zwitendeledzi zwinwe nga nthā ni tshi fhedzisa phetheni iñwe na iñwe.

Ńwalani dzina la phetheni iñwe na iñwe.

a. Phetheni: _____

b. Phetheni: _____

c. Phetheni: _____

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

d. Phetheni: _____

A Go board diagram illustrating a specific pattern of stone placement. The board consists of 19 horizontal and 19 vertical lines forming a 13x13 grid of points. There are 12 black circular stones placed at the intersections of the following grid coordinates: (A, 1), (B, 2), (C, 3), (D, 4), (E, 5), (F, 6), (G, 7), (H, 8), (I, 9), (J, 10), (K, 11), and (L, 12). The intersections are labeled from A1 to L12 along the top row.

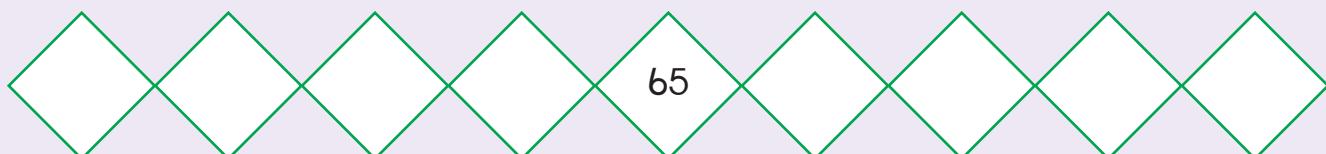


U ita phetheni dzanu inwi mune

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

tsumbo: 48

Phetheni dza 3 na dza 5

Phetheni dza 4 na dza 5



Iwanzheni

Thembu u kuvhanganya khamba dza khumba dza Iwanzheni 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 tthanu (dzi5), u na tshitahé tsha 4. Nomboro dzine dza nga konadzea ndi: _____, _____.

Thembu u na khamba nngana? _____.



30a

Deithi:

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.



$$\div =$$

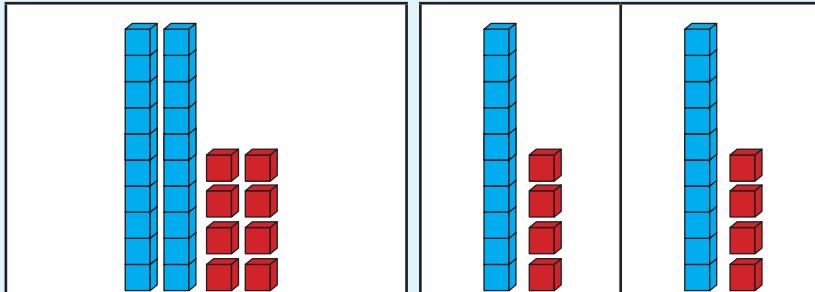
- c. Kovhelani vhana vha 5 malegere.



$$\div =$$



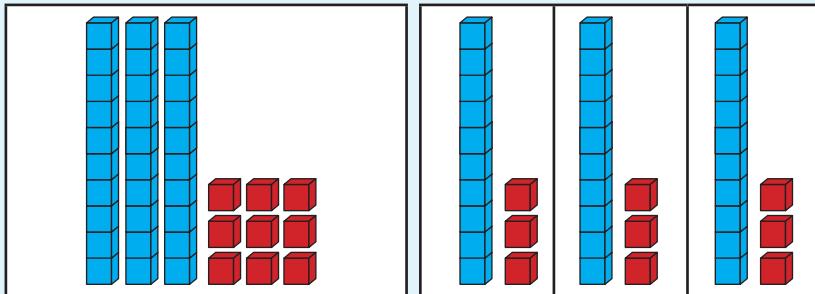
Ri nga shumisa zwibuloko zwa nomboro kha mukovho.



$$\boxed{2} \ \boxed{8} \quad \div \quad \boxed{2} \quad = \quad \boxed{1} \ \boxed{4}$$

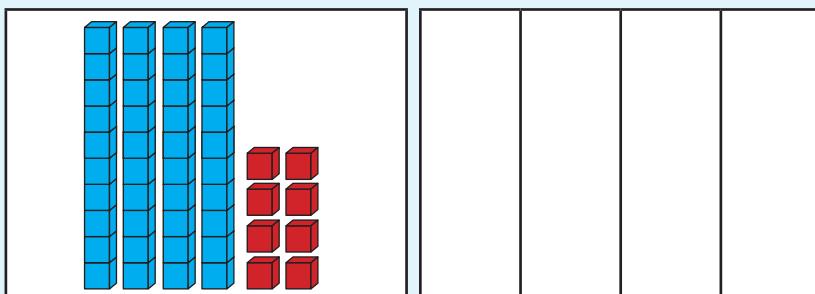
Zwino shumani hedzi.

a.



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

b.



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



Teacher:
Sign:
Date:

30b

Deithi:



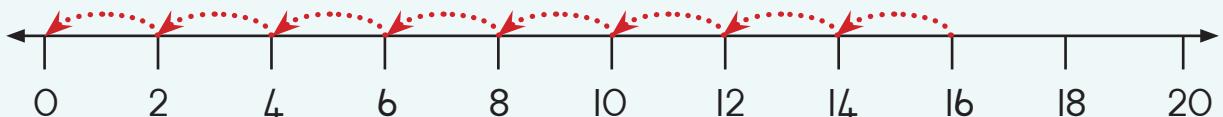
Themo ya |



Mukovho (dzi iswa phando)

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

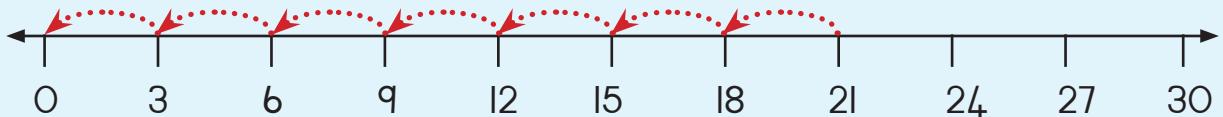
Tsumbo:



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

$$16 \div 2 = 8$$

a.



$$21 - \underline{\hspace{2cm}} =$$

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

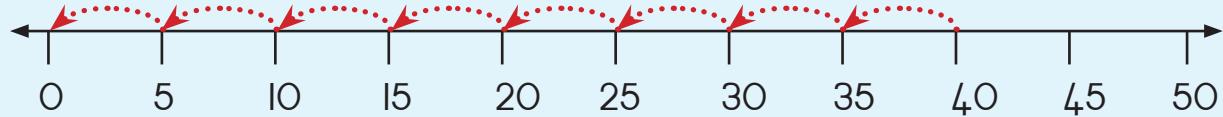
b.



$$28 - \underline{\hspace{2cm}} =$$

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

c.



$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} =$$

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



Talani mutualombalo 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 dzo^{the} dzine
na nga kovhela vhana vha
zwigadza zwo fhambananaho
malegere a 24 a tshi edana

Nwalani fhungombalo ni tshi
sumbedza phindulo.



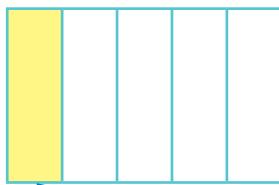
Teacher:
Sign:

Date:

Furakhisheni (zwipida)

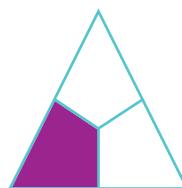


Livhanyani tshivhumbeo na furakhisheni.



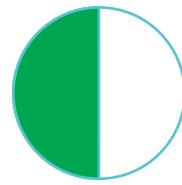
Tshararu

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



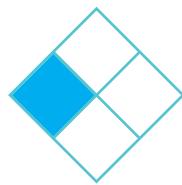
Tshathantu

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



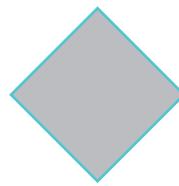
Kota nthihi

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



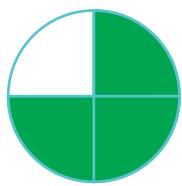
Hafu nthihi

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



Kota tharu

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



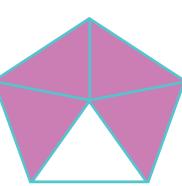
Tshaiñathantu

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



Nthihiyothé

$$1$$

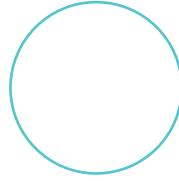


Tshambiliraru

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

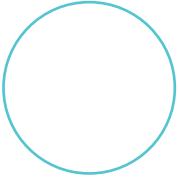
Kovhani ni khalare tshivhumbeo ni tshi sumbedza furakhisheni:

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



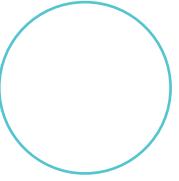
Hafu nthihi

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



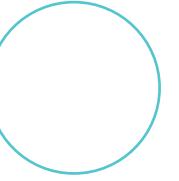
Tshararu

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



Kota nthihi

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



Tshathantu

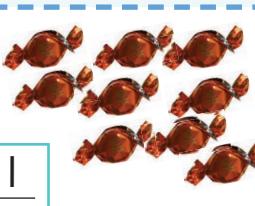
Sumbedzani furakhisheni nga u tangedzela tshivhalo tshi re tshone tsha malegere:

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



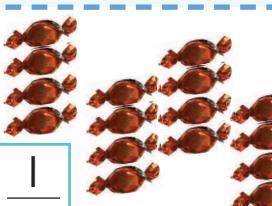
Hafu nthihi

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



Tshararu

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



Kota nthihi

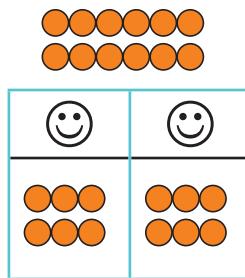
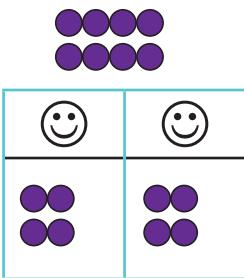
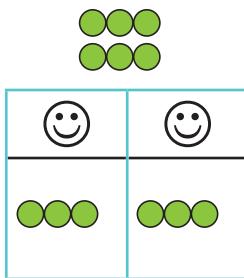
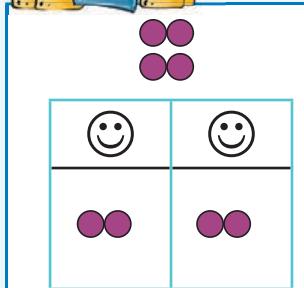
$$\frac{1}{5}$$



Tshathantu



Kovhelani vhana vhavhili zwivhaleli.



- Muñwe na muñwe washu o newa zwivhaleli zwa 2.
- $\frac{1}{2}$ ya zwivhaleli zwa 4. zwivhaleli zwa 2.

- Muñwe na muñwe washu o newa zwivhaleli zwa ____.
- ____ ya zwivhaleli zwa ____ ndi ____.

- Muñwe na muñwe washu o newa zwivhaleli zwa ____.
- ____ ya zwivhaleli zwa ____ ndi ____.

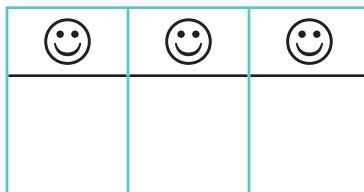
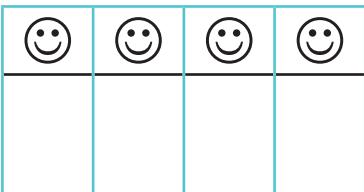
- Muñwe na muñwe washu o newa zwivhaleli zwa ____.
- ____ ya zwivhaleli zwa ____ ndi ____.

$$4 \div 2 = 2$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



- $\frac{1}{4}$ ya malegere = 3
- $\frac{2}{4}$ ya malegere = ____
- $\frac{3}{4}$ ya malegere = ____
- $\frac{4}{4}$ ya malegere = ____

- $\frac{1}{3}$ ya malegere = ____
- $\frac{2}{3}$ ya malegere = ____
- $\frac{3}{3}$ ya malegere = ____



Teacher:
Sign:
Date:



Tshifhinga



Ri mona sa watshi

Ri nga ነውላ tshifhinga tshithihi ነገር ንዑስ ደንብ ቅድመ.

<p>2:15 minete ya fumiṭhanu u bva kha awara ya vhuvhili</p>	<p>5:30 minete ya mahumi mararu u bva kha awara ya vhut<u>hanu</u></p>	<p>9:45 minete ya mahumi maṇa na miṭanu u bva kha awara ya ṭahe</p>

ነውላን ከዚ ነገር ንዑስ ደንብ ቅድመ.

_____	_____	_____

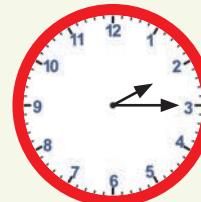
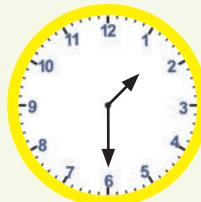


U ya hayani

Zwi dzhiela Ben tshifhinga tshingafhani u swika hayani?

miminete

awara



Ben u takuwa 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	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

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. U bva 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 t̄angana? _____

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

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? _____

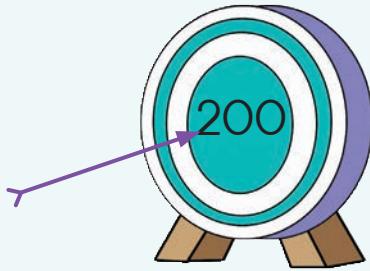




Thagethe 200



Uvhala nomboro



Vhalani ni ambe nomboro dzot̄he 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 dziñwe nomboro dzothe.
 - c. Nwalani nomboro dza 10 dzi no tevhela 200.

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



Nwalani nomboro dzi no khou ṭahela



a.

200		180				

						110
50						
						0

b.

87			107			
167						
						207
						237



Fhedzisani

$$200 + 30 + 5 = 235$$

$$200 + 40 + 7 = \underline{\quad}$$

$$200 + 60 + 8 = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 293$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 256$$

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



U vhala u bva kha 100

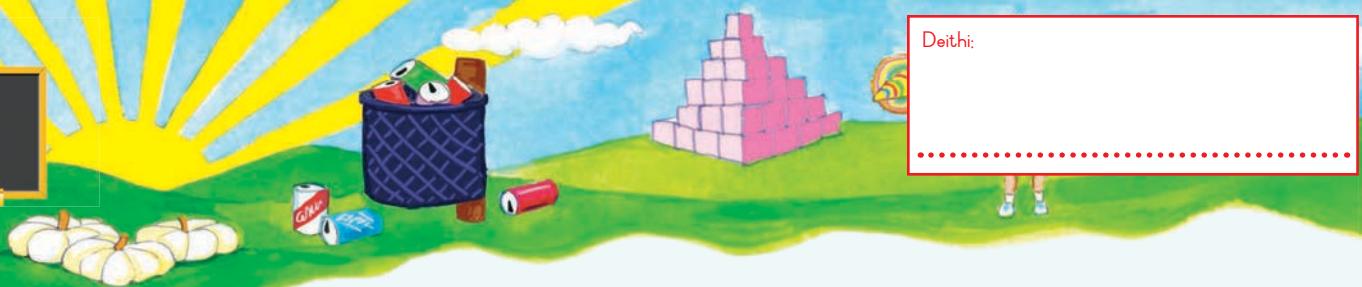
Wanani uri ni tea u vha na mini u itela u swika kha nomboro i no tevhela.

Thomani



Gumani





U shuma na zwigwada zwa nomboro



U paka makhandela

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



Hu na makhandela mangana bogisini linwe na linwe? _____

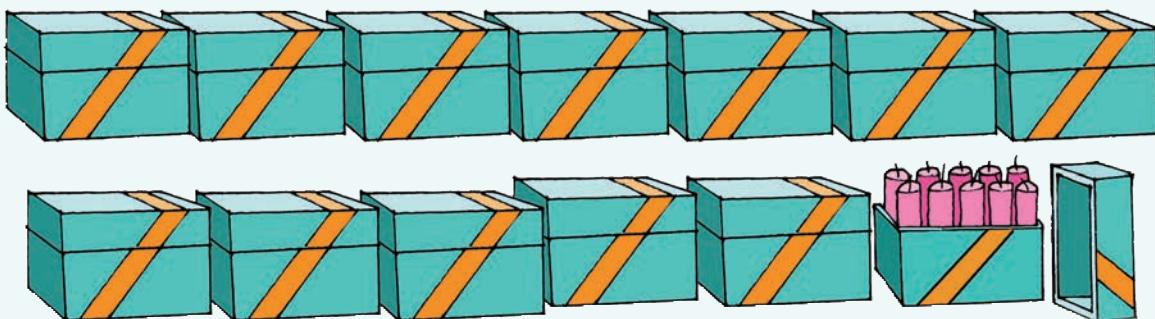
Hu na mabogisi mangana kha shelefū inwe na inwe? _____

Hu na makhandela manga kha shelefū inwe na inwe? _____



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 mariwe 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

Deithi:



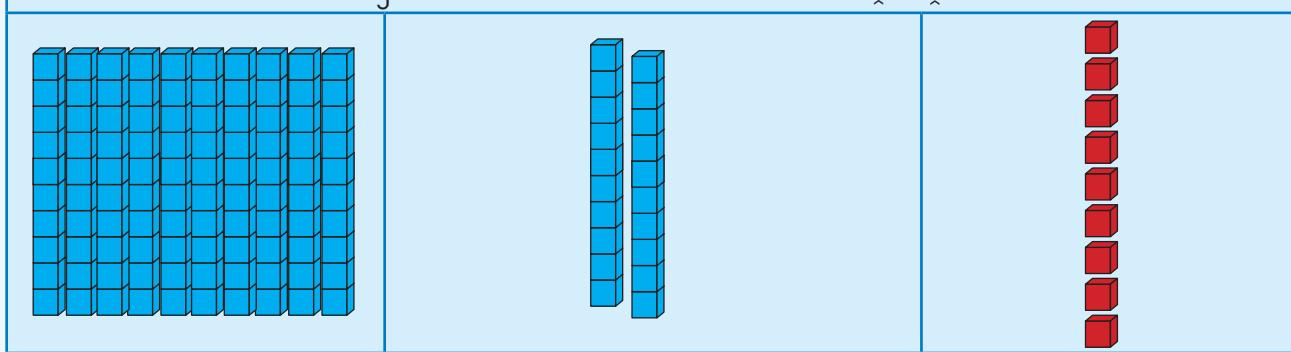
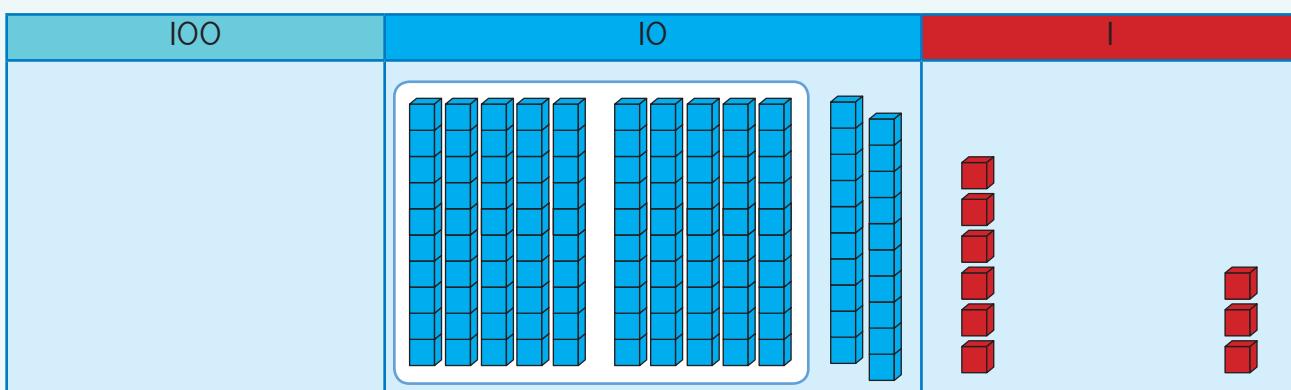
Themo ya 2



U vhea mahumi fhethu huthihi na u a fhandekanya

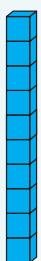
U vhea mahumi fhethu huthihi musi ri tshi ḥanganya kha 999

Kha ri ḥanganye $56 + 73 =$		+	
	mahumi a 5 na yuniti dza 6		mahumi a 7 na yuniti 3





Kha ri lingedze



= kana =

Tsumbo: $82 + 34$



$100 + 20 + 6 = 126$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



35b



Deithi:

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 mutoeo wa mahumi kha u sika nomboro idzi mbili.	Ndi mahumi mangana o tangana othe? 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, tshirwe tshifhinga ri tea u sumbedza fumi nthihi sa yuniti dza fumi, kana dana lithihi sa mahumi a 10.

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	





U ya ha dokotela wa mano

Tshigwada tsha vhana tshi dalela dokotela wa mano.



Vhana vha mu ḫalutshedza. hezwi = lwa |

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

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

 Luthihi nga ḫuvha	
 Luvhili nga ḫuvha	
 Luraru nga ḫuvha	

b. Ni nga ḫalutshedza zwif hio?

Vhunzhi ha vhana vha ṭamba mano _____	nga ḫuvha.
Hu na vhana vha _____	kha tshigwada.



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



Large empty rectangular box for writing or drawing.



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

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



37a



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 ቀusa kha bammbiri, hu si na zwibuloko. Tshirwe tshifhinga u takalela u thoma nga magarača a nomboro awe u sumbedza nomboro.

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

$$\begin{array}{r} 5 \ 0 \ 6 \\ + \ 7 \ 0 \ 3 \\ \hline \end{array}$$

U ተanganya l a vhea fhasi garatča.

U a ደivha uri; $50 + 70 = 120$.

U doba garatča la **mađana**, na la 20 na la 9 a u ita nomboro ya didzhitit dza 3.

q

$$\begin{array}{r} 1 \ 0 \ 0 \\ + \ 2 \ 0 \\ \hline \end{array} \quad \boxed{q}$$

U i ንwala nga hei ndila:
 $50 + 70 + 6 + 3$
 $= 50 + 70 + 9$
 $= 120 + 9$
 $= 100 + 20 + 9$
 $= 129$



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

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



Aakar 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 iñwe na iñwe 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

Themo ya 2



Tanganyani na u baðekanya (hu iswa phanda)

Zwino kha ri tuse.

a. $87 - 53$

Ndila ya Malindi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



Deithi:



Ndila ya Dumi

$$80 + 7 - 50 + 3$$

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

$$= 30 + 4$$

$$= 34$$

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 kwaṇu.

- a. Ndalamo u thoma nga u fula maberegisi a 34 a tevhela nga maberegisi a 67.
Hu na maberegisi mangana o ḥangana othe?



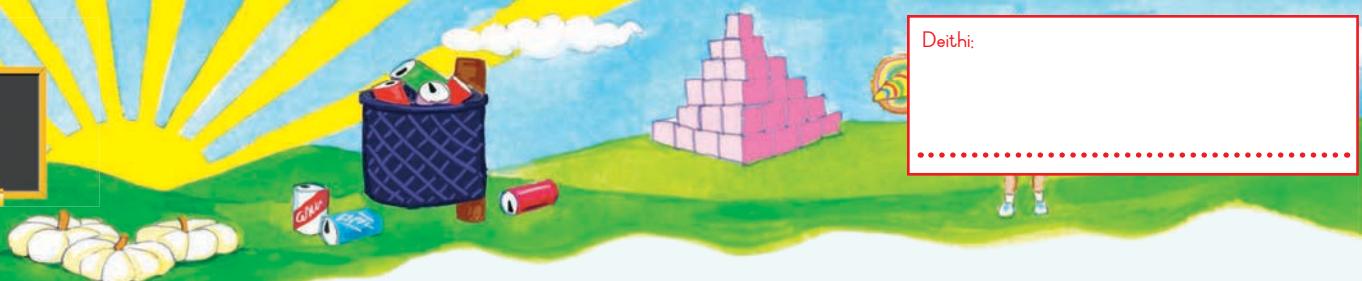
- b. Vhana vha ha Mualusi vho ḥangana vho vhulunga R47.
Mme avho vha vha engedza nga R55. Vha na vhugai zwino?



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



Teacher: _____
Sign: _____
Date: _____



Deithi:

I tandululen!



Zwithivho zwa mabodelo

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?

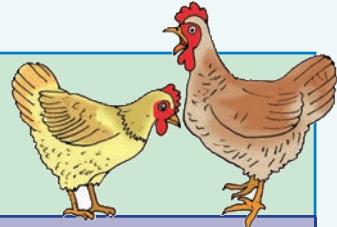


Ndowendōwe dzinwe

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

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 tusa. Ni a divha
uri ndi ngani?

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

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar

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

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar



Teacher:
Sign:
Date:

39



Deithi:

Themo ya 2

U vhala na u vhalela



U wana tshipida

Nwalani nomboro dzi no khou ḥahela.

a.

100	
	27

b.

100	
39	

c.

100	
43	

d.

100	
56	

e.

200	
140	

f.

200	
	110

g.

200	
135	

h.

200	
	120

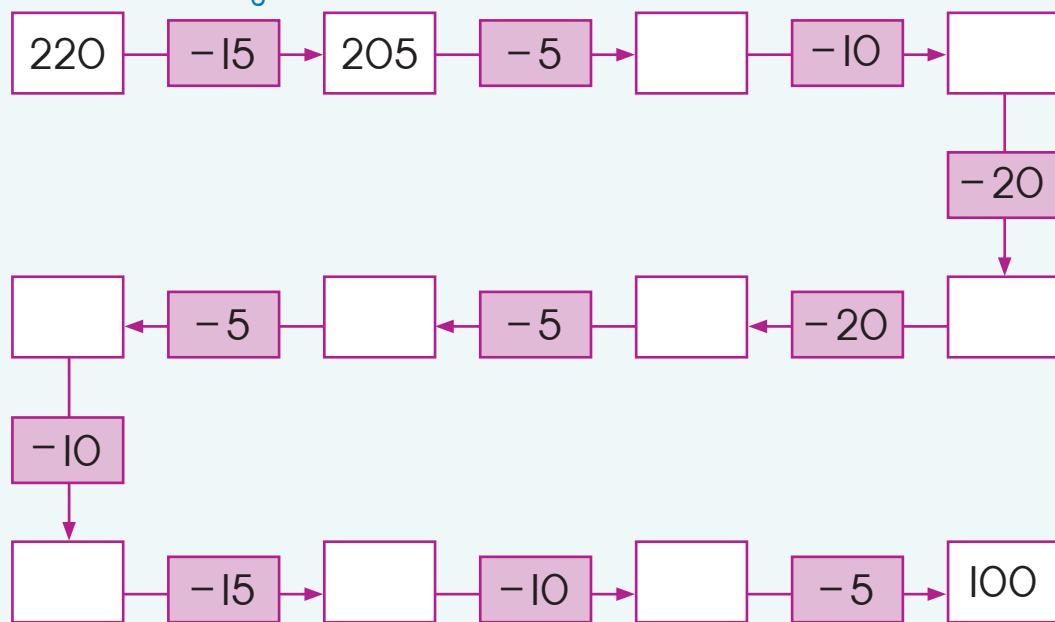


U bva 220 u ya kha 100

Tevhelani misevhe.

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

Ro dzula ro ni itela ya u thoma.



Ndila ya u ḥola phindulo dzañu khei.

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

Fhedzi zwino, ḥanganyani nomboro.

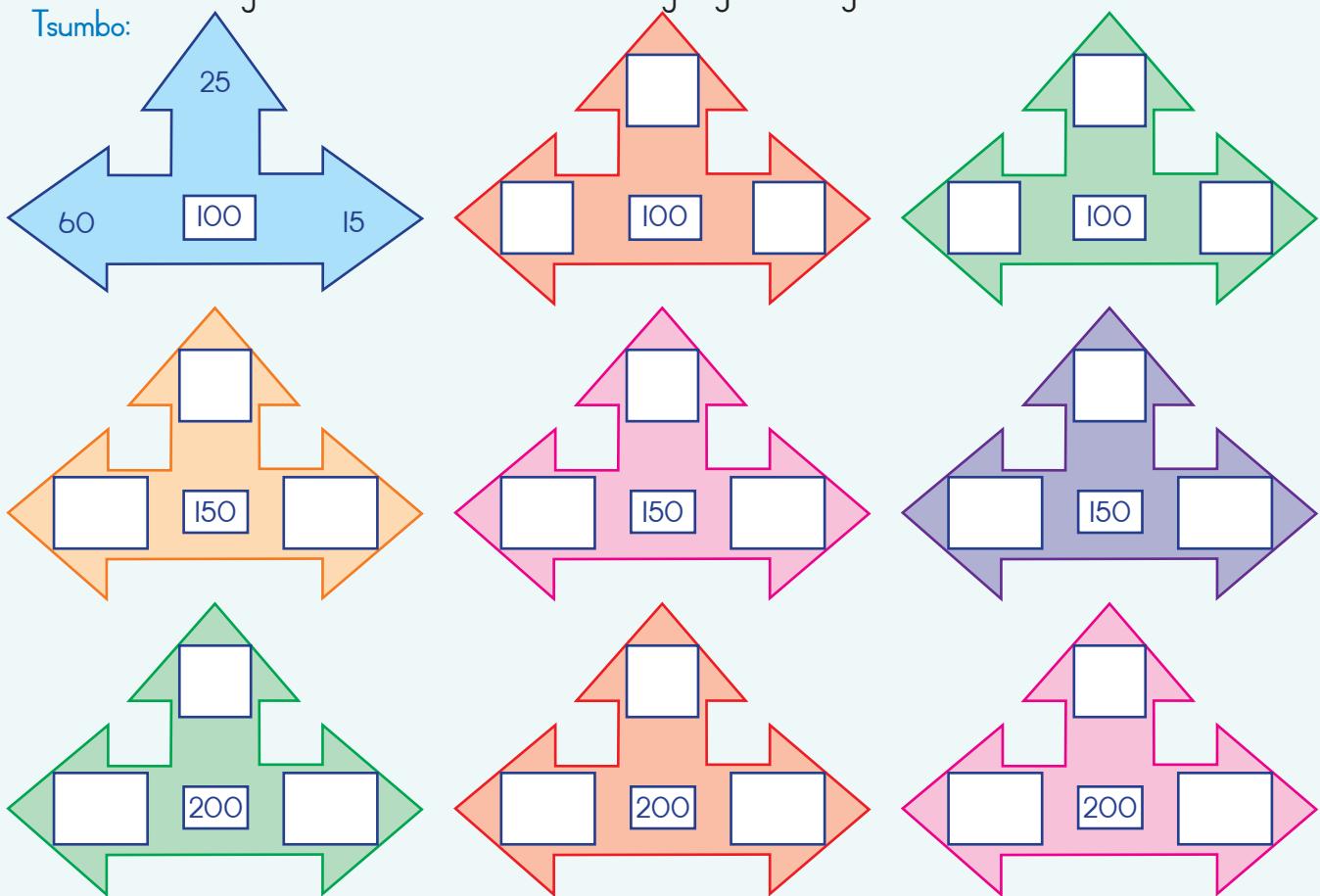


Mita ya vhararu

Wanani nomboro dza 3 dzi no vhumba nomboro ya thagethe.

Mulayo: Ndi nomboro nthihi fhedzi ine ya nga fhela nga O.

Tsumbo:



U fhira nga 50 na u vha fhasi nga 50

Nwalani phindulo kha rou ya 2.

	70	125	150	81	96	122	134	111	70
+50	120								
-50	186	200	158	179	139	79	126	138	99
	136								



Teacher:
Sign:
Date:

40

Deithi:

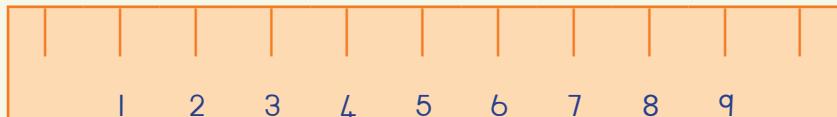


Themo ya 2

U ela nga dzisenthimitha



Senthimitha yo lapfa lungafhani?



Nomboro dzi re kha ru_{la} dzo imela dzisenthimitha.

Ri shumisa abiriviesheni kana tshiga cm.

Musi ni tshi shumisa ru_{la}, ni tea u thoma u ela u bva kha O.

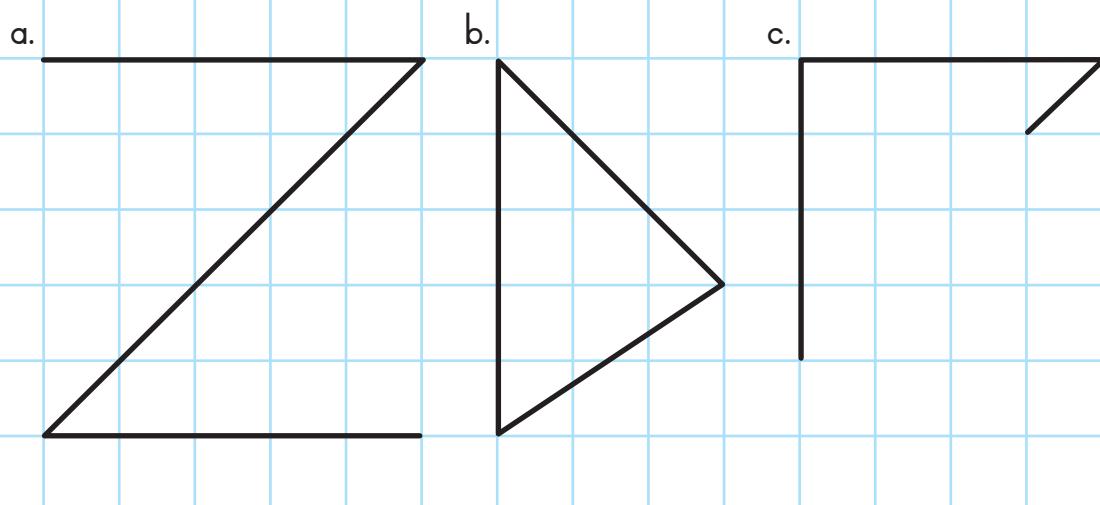
Dzi_hwe ru_{la} a dzi sumbedzi O u fana na iyi i re kha si_lari ili.

Wanani zero cm kha ru_{la}. Nwalani O kha ru_{la}.

10 cm i wanala ngafhi kha ru_{la}? Nwalani 10 heneffo.



Anganyani, ni kone u pima nga ngona nga ru_{la} yanu, t_hhanganyelo ya vhulapfu ha mitaladzi iyi nga cm.



a. Anganyani cm

b. Anganyani cm

c. Anganyani cm

Pimani (Elani) cm

Pimani (Elani) cm

Pimani (Elani) cm



Mutalo muñwe na muñwe wo lapfa lungafhani?

Mutalo muñwe na muñwe wo lapfa cm nngana?

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

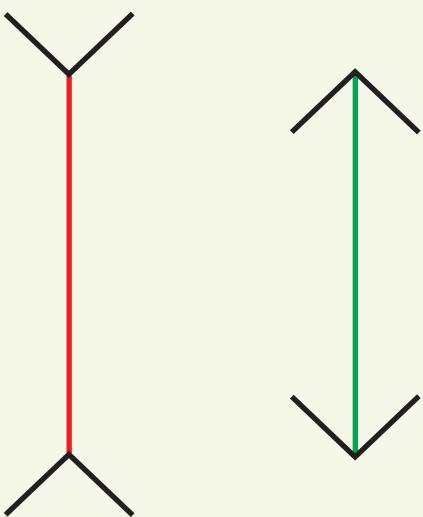
a. —————	<input type="text"/> cm	d.	<input type="text"/> cm
b. ——————	<input type="text"/> cm	e. ——————	<input type="text"/> cm
c. —————	<input type="text"/> cm	f. ——————	<input type="text"/> cm



Ni na vhutanzi naa?

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

Ni nga zwi ḫola 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 ḫotomotshela nn̄da i ita uri mutalo mutswuku u vhonale u mulapfu ngeno mitalo mitswu i no khou ḫotomotshela ngomu i tshi ita uri mutalo dala u vhonale u mupfufhi.



4



Themo ya 2



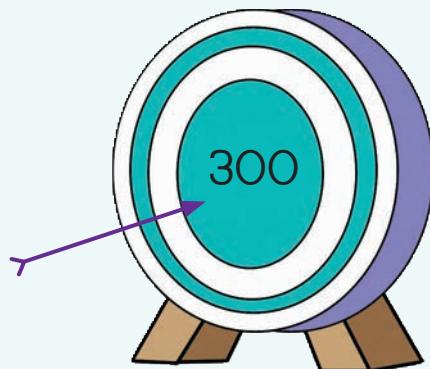
Vhalani ni ḥwale 200

Vhalani u bva kha 201 u swika kha 300.

Sumbani ni tshi khou ralo u vhala.

Ni kone u thoma nga u dzhenisa nomboro af'ho zwibogisini zwa muvhala wa lutombo.

ᬁwalani nomboro dziñwe dzoñhe.



201						207			210
211									
221									
231									



ᬁwalani nomboro dza 10 dzoñhe 300.

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



Hu fhufhiwa zwingafhani?

30I

28I

I7I

2II

I0I



U sumbedza na u vhambedza

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

298;

208;

30I;

276;

227;

269;

3II

2 0 0

9 0

8

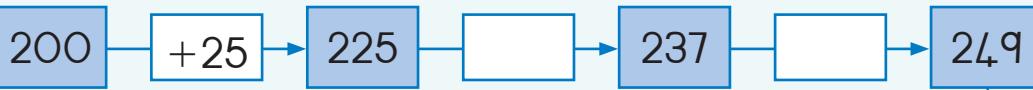
- b. Nwalani nomboro idzi dzi tshi tou tevhekana u bva kha ḫukhusa u ya kha khulwanesa.

_____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____



Tshanduko ndi ifhio? Nwalani nomboro dzi no khou ṭahela.

Thomani



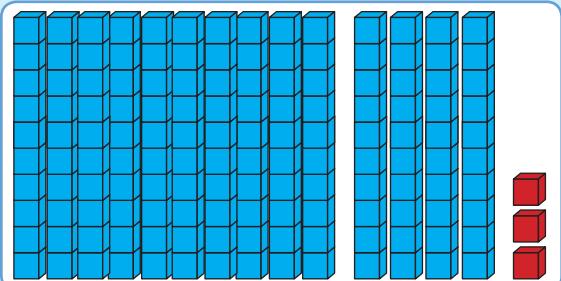
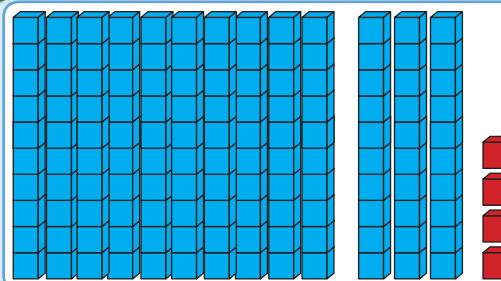
Gumani





U ṭanganya na u ṭusa nga dzilOO

U shumisa zwibuloko kha u ṭanganya



100 30 4

+

100 40 3

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



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

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



b. $114 + 162$



c. $276 + 148$



Lavhelesani ndila dza avha vhatku 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

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



b. $194 - 122$

c. $288 - 199$



43



Deithi:

Themo ya 2

Thagethe ya 400

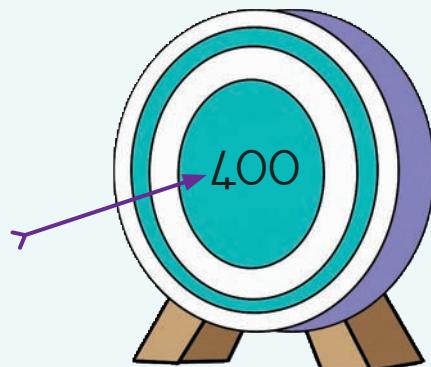


U vhala na u nwala dzi 400

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		
									390
									400



Nwalani nomboro dza 9 dzi no tevhela 400.

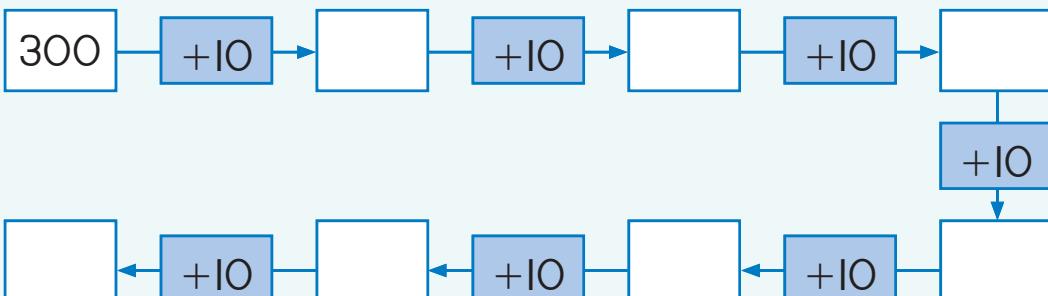
400; _____; _____; _____; _____; _____; _____; _____; _____;



Tshanduko ndi ifhio?

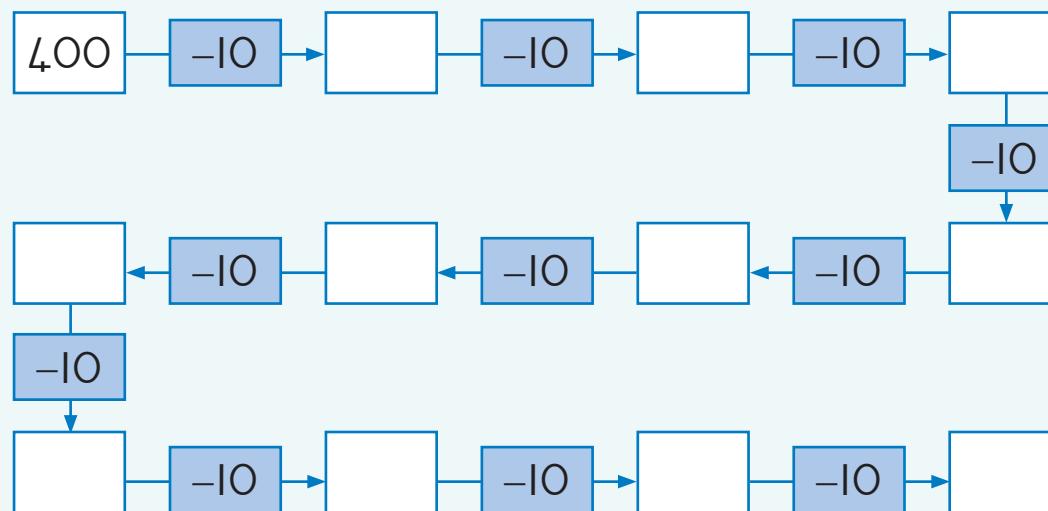
- a. U vhalala ri tshi ya phanda u bva kha 300

Thomani



- b. Vhalani u bva kha 300

Thomani



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 tshukhusa u ya kha khulwanesa.

_____ , _____ , _____ , _____ , _____ , _____ , _____ , _____



Teacher:
Sign:
Date:

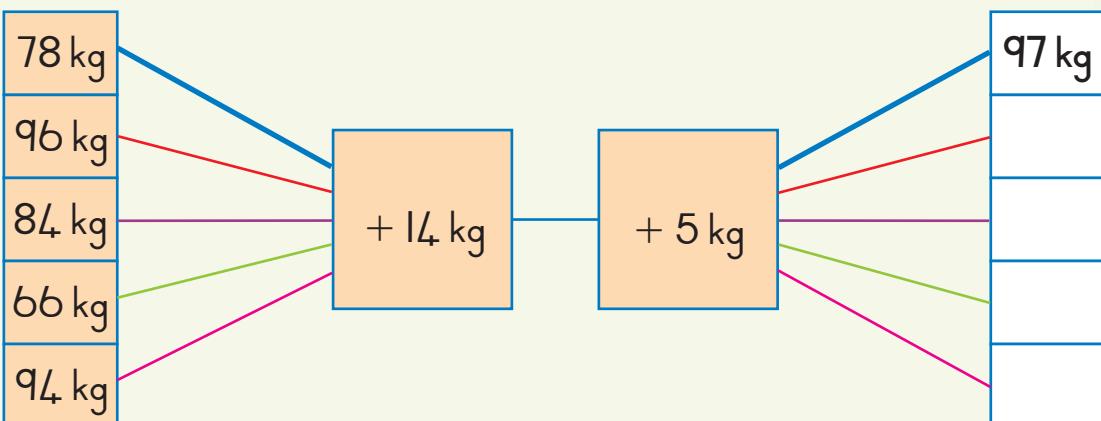


Ukala

Nomboro ya tshipentshela

Tanganyani na u የwala phindulo.

Ndi a zwi divha uri nomboro ya tshipentshela ndi ifhio! Inwi?



Sendedzani tsini ni ተanganye!

Humbulani nga vhutali!

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 ፈe kha 10 kg ya tsinisa.

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

Anganyani tshilemegute 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!

Magá



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

	Ndi a anganyela	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 tshanu na tshileme tsha zwiñwe zwa zwipuka. Shumaní thanganyelo. Vhudzani phindulo tshigwada. Ni songo vha sumbedza mushumo wanu! Vha tea u lingedza u shuma tshileme tshanu.



Teacher:

Sign:

Date:

45

Deithi:



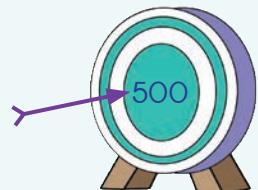
Themo ya 2



U vhala na u nwala

Thagethe 500

								400
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 vhala.

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; _____; _____; _____; _____; _____; _____; _____; _____

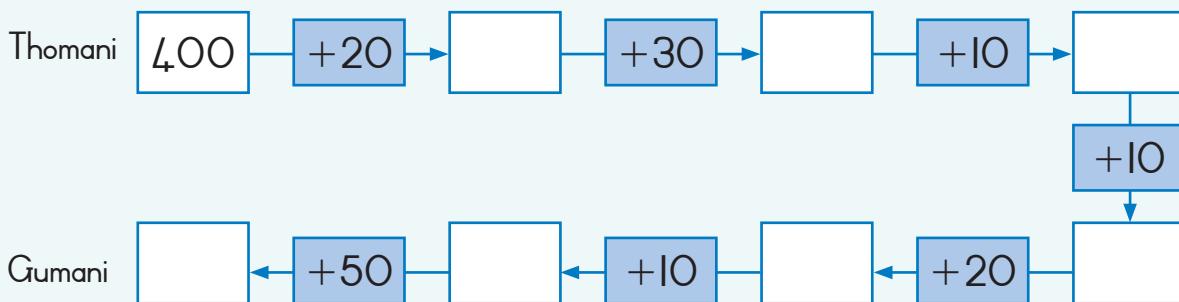
e. Vhalani nga 5. Nwalani nomboro dza 8 dici tevhelaho nga **phetheni ya 5**.

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

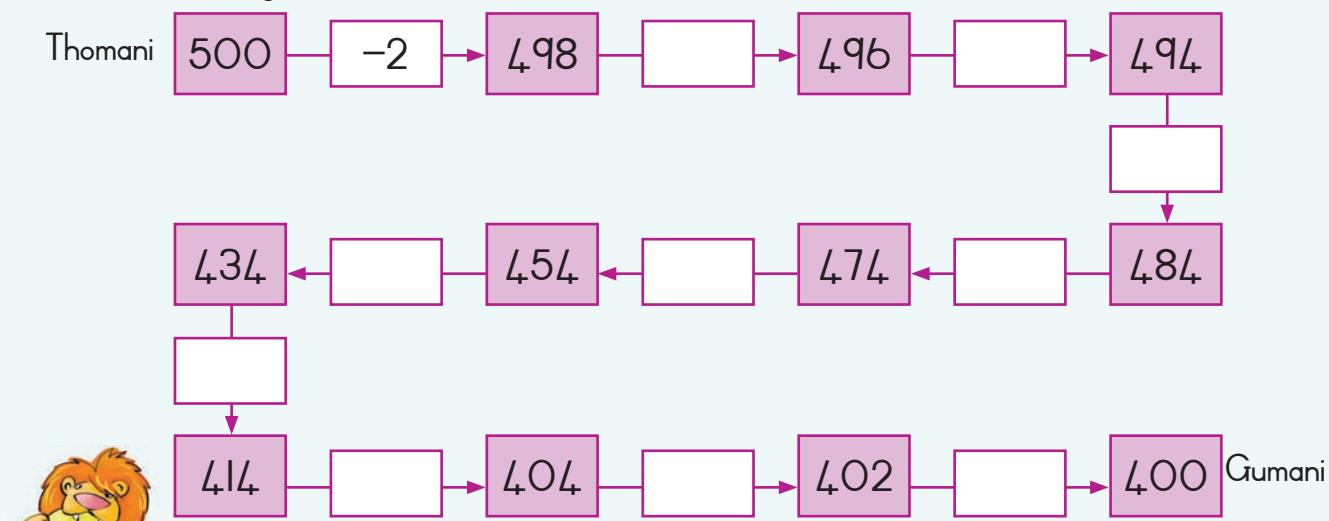


Tshanduko ndi ifhio?

- 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 $\ddot{\text{t}}$ hanganyelo ya nomboro idzi. Shumisani garata dza nomboro ni tshi sumbedza $\ddot{\text{t}}$ hanganyelo iñwe na iñwe.

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

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





Mutanganyo na mutuso

Ni vhona mini?

2 0 0

5 0

4

2 0 0

3 0

5

4 0 0

8 0

9

4 8 9



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

a. $245 + 231$

Ndila ya Malindi

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

$$= 400 + 70 + 1$$

$$= 471$$



Ndila 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

$$\begin{aligned} &\cancel{476} + \cancel{324} \\ &= 100 + 50 + 2 \\ &= 152 \end{aligned}$$

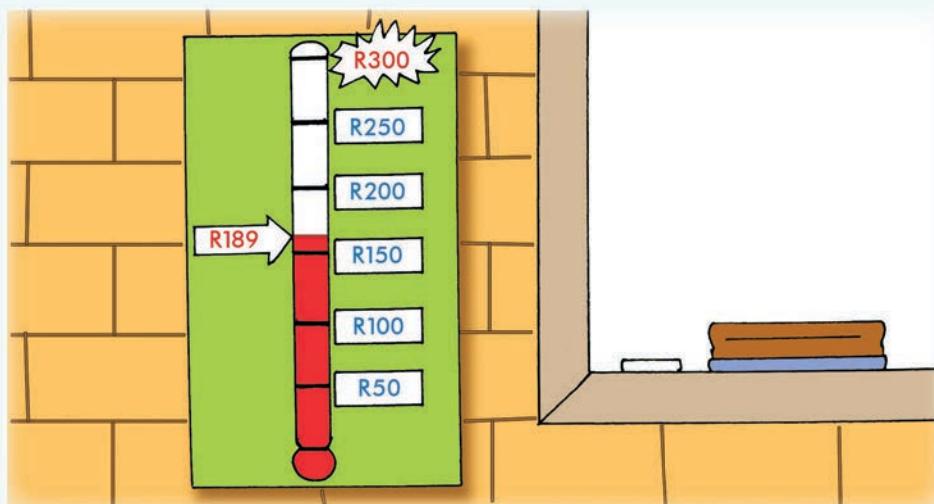


b. $489 - 456$

c. $482 - 161$



Ro swika kha thagethe



Lavhelesani tshifanyiso.

Hu todea zwingana u itela u swika kha thagethe?

R

47



Deithi:

Themo ya 2



Phetheni hothehothe

Thavha ya tshiphirini

Dzina la thavha khulwanesa Gauteng ndi lifhio? Shumisani khoudu kha u li wana. Livhanyani phindulo iñwe na iñwe 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	9	10	II	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

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 f'hindule!

● * ☽ * ● 6 * ☽ * ● 11 * ☽ * ●
1 2 3 4 5 7 8 9 10 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 *.
- Nomboro 100 i do vha ●.
- Nomboro 28 i do vha ☽.
- Ndi zwone kana a si zwone?
- Ndi zwone kana a si zwone?
- 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 RI50 nga dzil dza Thangule.

Sumbedzani uri no zwi wanisa hani.

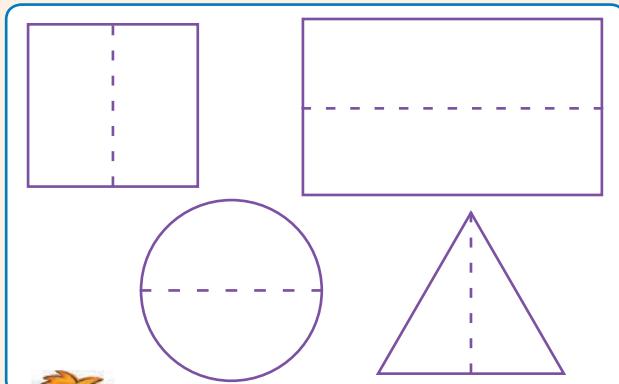
Sedzulusani. Vhambedzani. Lulamisani





Simethiri (ndinganahuvhili)

Ni zwifhio zwine na zwi vhona kha zwivhumbeo izwi?



Talani mutalo wa simethiri kha tshivhumbeo tshiñwe na tshiñwe.

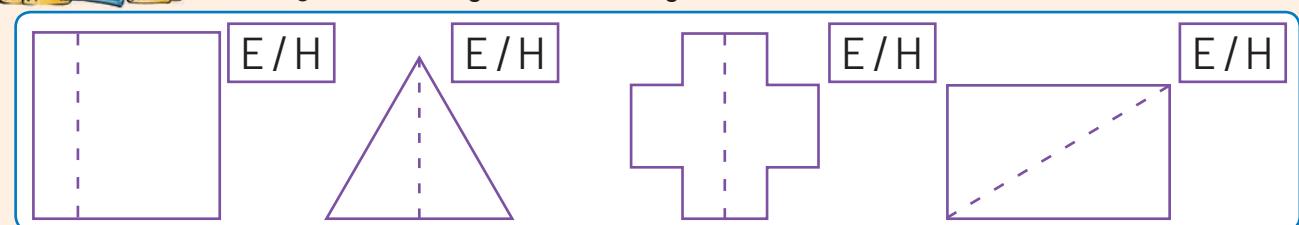
Mutalo wa simethiri (ndinganahuvhili) u fhandula tshivhumbeo tsha bva hafu mbili u itela uri hafu iñwe na iñwe i fane na iñwe sa kha tshivhoni.

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

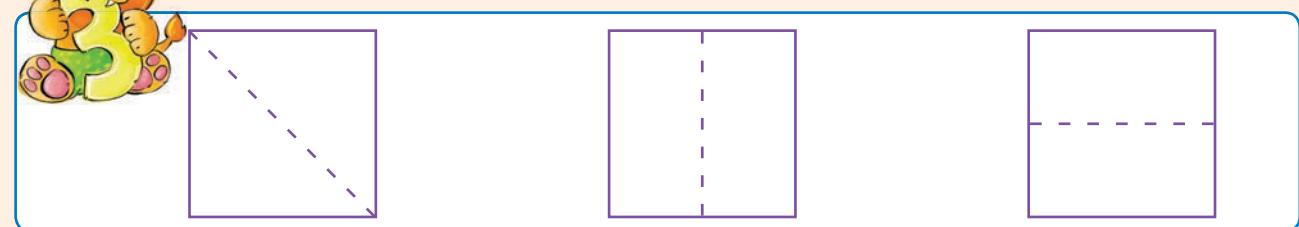


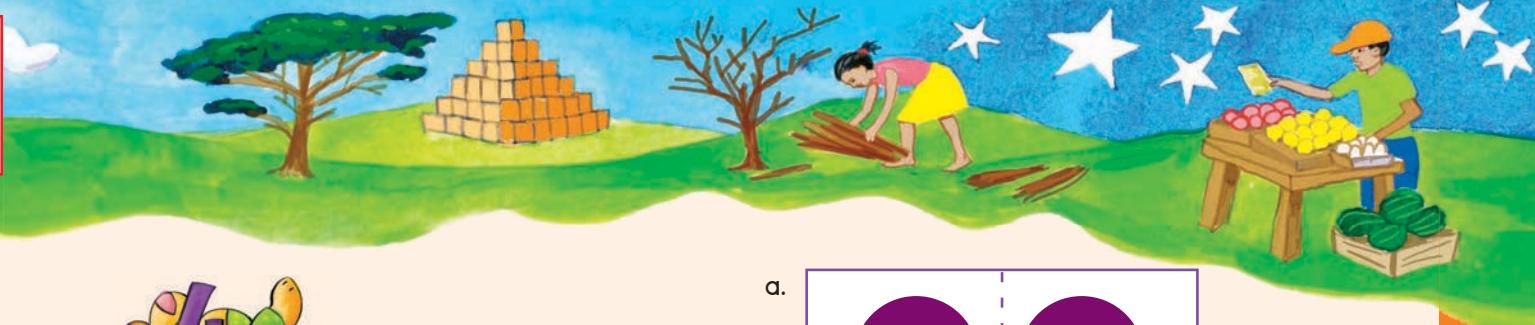
Uyu mutalo wa zwithomathoma ndi mutalo wa simethiri kana hai?

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



Uyu mutalo ndi wa simethiri? Ngani?

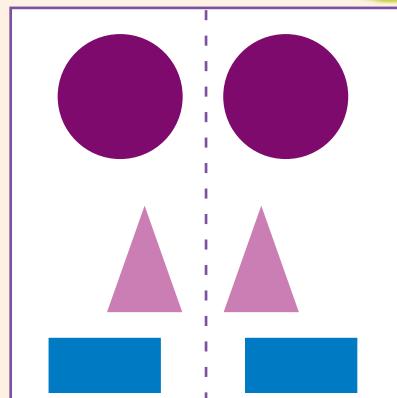




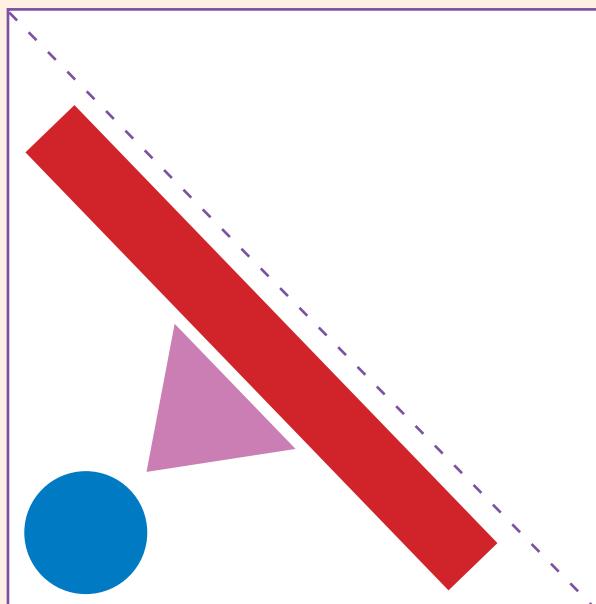
Olani zwivhumbeo ni ite uri tshifanyiso tshi vhe simethiri.

Ro dzula ro ni itela tsha u thoma

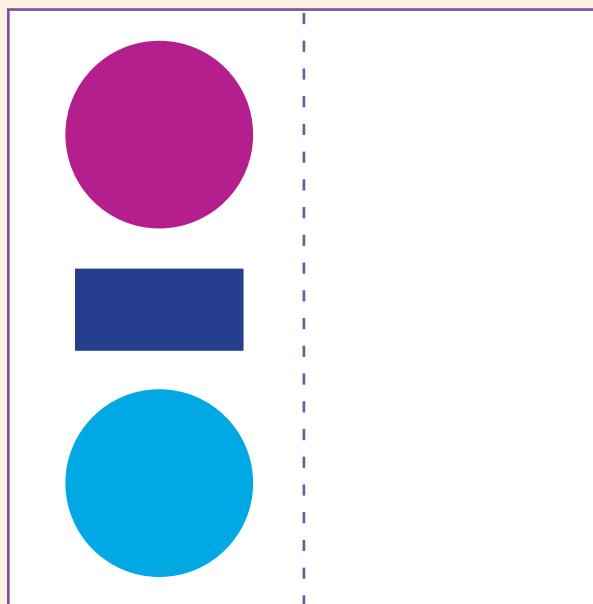
a.



b.



c.



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



Teacher:
Sign:
Date:

49

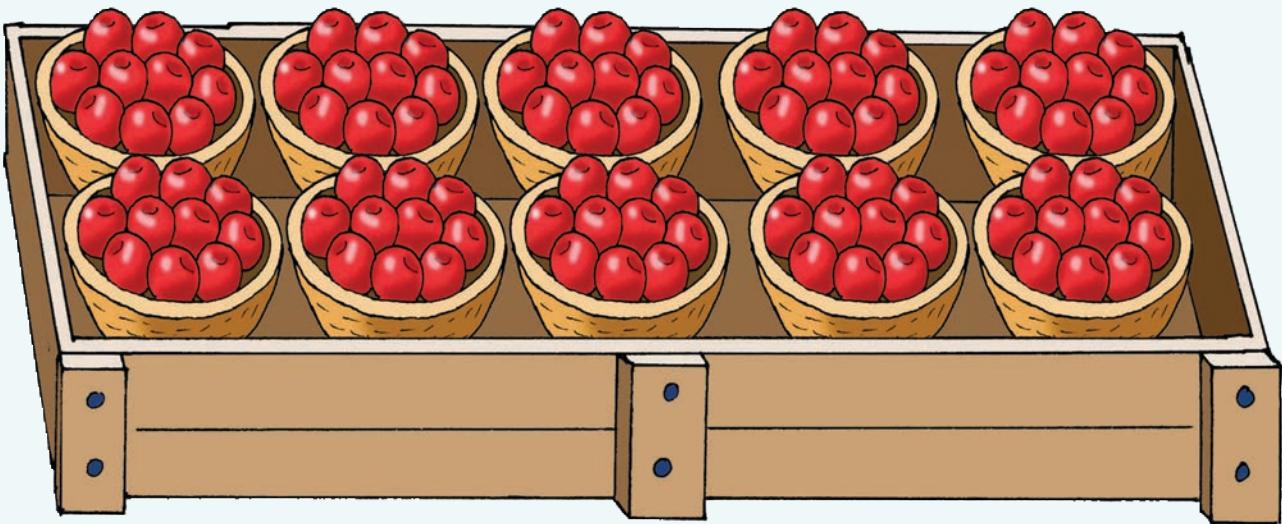
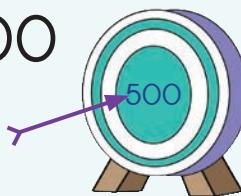


Deithi:



Ufhaṭa 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 _____

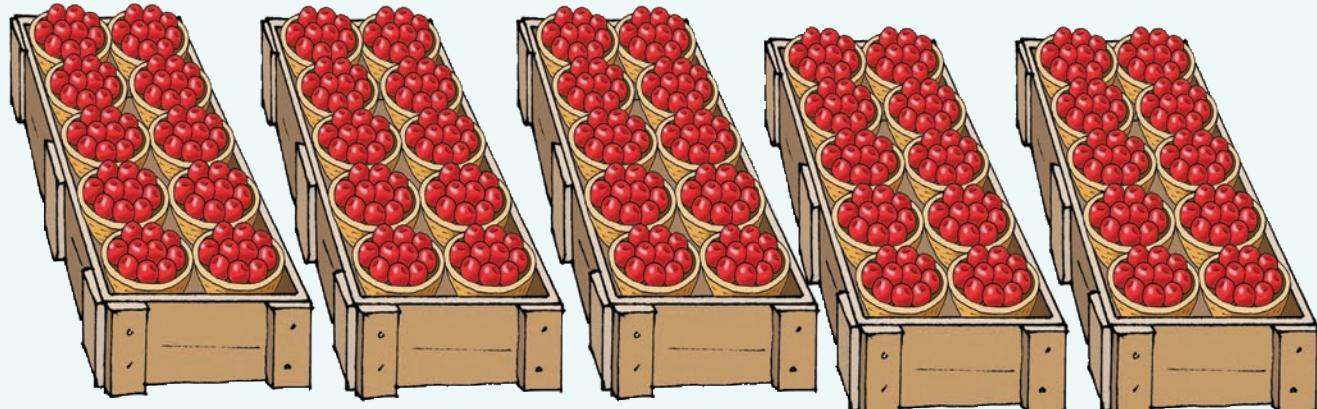


Hu na maapula a 10 kha basikit ya l.

Hu na basikit ya _____ kha khireiti nthihi.

Hu na maapula a _____ kha khireiti nthihi.

Hu na maapula mangana o ḥangana o ḥe? _____



U rekanya; u sumbedza na u ḥwala

3 0 0

4 0

5

Thomani nga u shumisa garaṭa dza nomboro ni tshi sumbedza ḥhanganyelo iñwe na iñwe. Ni kone u džhenisa nomboro.

$$\text{khireiti dza } 3 \text{ } \begin{array}{|c|} \hline \text{apples} \\ \hline \end{array} + \text{basikit dza } 4 \text{ } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{maapula a } 5 \text{ } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \text{maapula a } 345$$

$$\text{khireiti dza } 4 \text{ } \begin{array}{|c|} \hline \text{apples} \\ \hline \end{array} + \text{basikit dza } 5 \text{ } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{maapula a } 7 \text{ } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \text{maapula a } \underline{\quad}$$

$$\text{khireiti dza } 5 \text{ } \begin{array}{|c|} \hline \text{apples} \\ \hline \end{array} + \text{basikit dza } 2 \text{ } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{maapula a } 3 \text{ } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \text{maapula a } \underline{\quad}$$

$$\text{khireiti dza } 4 \text{ } \begin{array}{|c|} \hline \text{apples} \\ \hline \end{array} + \text{basikit dza } 7 \text{ } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} + \text{maapula a } 2 \text{ } \begin{array}{|c|} \hline \text{apple} \\ \hline \end{array} = \text{maapula a } \underline{\quad}$$



Teacher: Sign:
Date:

50

Deithi:

Themo ya 2



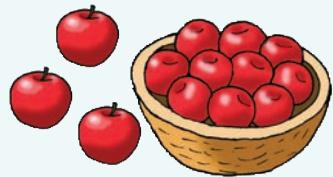
Muandiso na mukovho (10)



U vhala maapula

Dadzani thebulu.

Ndi basikiti (zwithathha) nngana dzo hwalaho maapula?

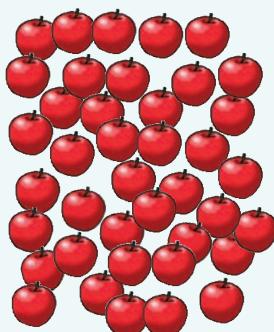


Maapula	10	20	30	40	50
Basikiti	1	2			
Mbalo ya ÷					$50 \div 10 = 5$
Mbalo ya ×					$5 \times 10 = 50$



Kovhelani vhana maapula. Olanı tshifanyiso (nyolo)

a.



Sedzulusani
phindulo dzanu.

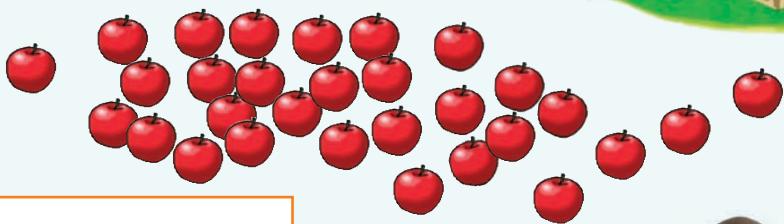
$\square \div \square = \square$

$\square \times \square = \square$





b.



Nwalani mbalo ya ÷

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



Tsumbo

Shumisani nomboro kha u vhumba mafhungombalo anu inwi munē.



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

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



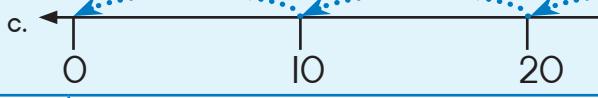
$$\div \quad$$

$$\times \quad$$



$$\div \quad$$

$$\times \quad$$



$$\div \quad$$

$$\times \quad$$



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

____, 460, ____

____, 390, ____

____, 500, ____



Teacher:
Sign:

Date:

5

Themo ya 2



U vhala nga dzi2

U vhala 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 otthe? _____
- Sumbedzani uri no zwi wana hani.
- Nwalani phindulo yanu sa fhungombalo.
_____ × _____ = _____

Deithi:



Ndi magilavu mangana?

U nwalala kha thebulu.

a.	Phere ya magilavu	1	10	5	50	4	40	3	30	100
	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				



U v 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, _____, _____
------------------------	------------------------	------------------------





Deithi:



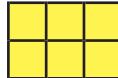
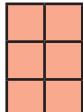
U pulanelo ngade

Mufumakadzi Vho Mabena vha na dzithailisi dza u naka.

Vha dzi shumisa kha u pheiva hunwe fhethu ngadeni yavho.

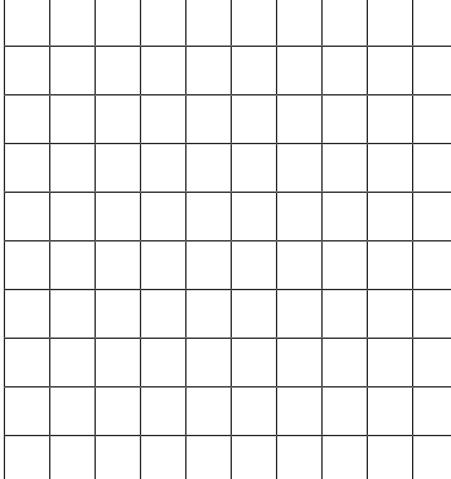
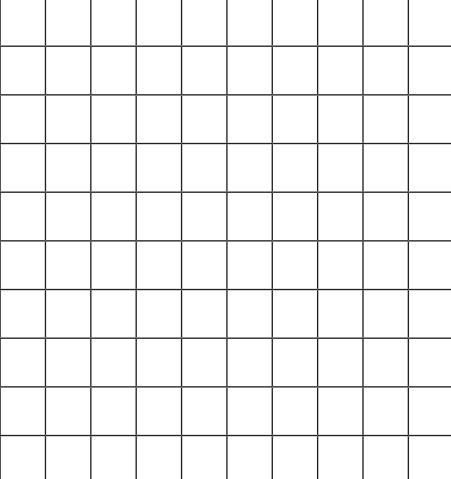
Hu na dzithailisi dza zwikwea zwa 6 zwa saizi nthihi.



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.
 $6 \times 1 = 6$	 $3 \times 2 = 6$	 $2 \times 3 = 6$

Zwino ndi tshifhinga tshanu!

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

zwickwea zwa 8	zwickwea zwa 9
	

Ñwalani mafhungombalo a nyolo iñwe na iñwe.



U dzudzanya dzithailisi dza 12

Mukundi u na thailisi dza zwikwea zwa 12 dza u pheiva tsini na nn̄du. Mu thuseni a wane ndila dzo the 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

Deithi:

Themo ya 2



Nga dzi5 u swika kha 500



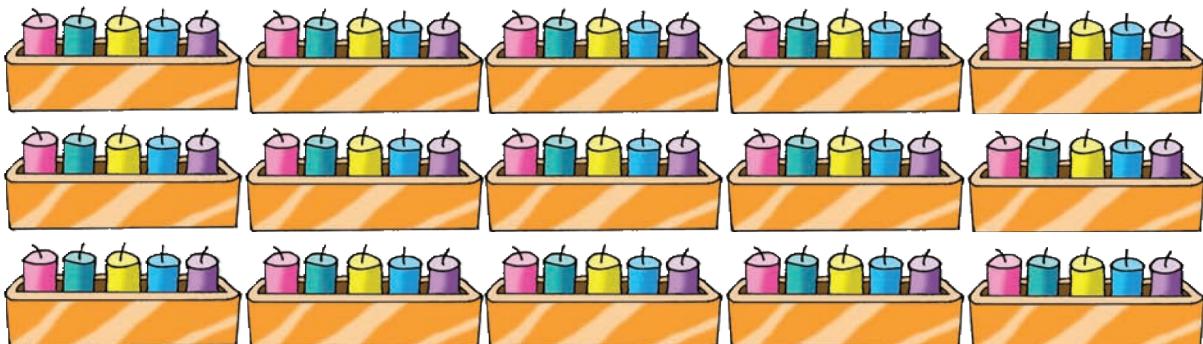
U t^halukanya 5 dzanu

U riwala phindulo.

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



U vhala makhandela



- Hu na makhandela mangana bogisini linwe na linwe?
- Hu na mabogisi mangana kha rou iⁿwe na iⁿwe?
- Hu na makhandela mangana kha rou iⁿwe na iⁿwe?
- Hu na makhandela mangana o tangana ot^he?



U sumbedza phindulo

Swayani (✓) mafhungombalo ane a sumbedza t^hhanganyelo 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 vhalala 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 ḫoda dza u ita?

$R5 \div R5 =$ 1 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

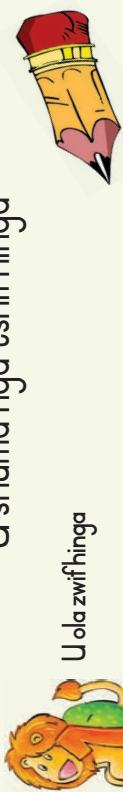
Tsumbo: I \times 5 = 5; II \times 5 = 10; II \times 5 = 15

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

I	2	3	4	5	6	7	8	9	10
5	10								
II	I2	I3	I4	I5	I6	I7	I8	I9	20
55									



U shuma nga tshifhinga

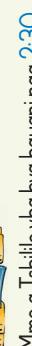


Uola zwifhinga

			4:30
Hafuu bva kha awara ya 5	Kotarau ya kha awara ya vhufumithiki	12:45	6:15
Mme a Tshillo vha bva hayani nga 2:30. Vha rhiuya nga 5:15. Vha vha siho lwa tshifhinga tshingafhani?	Arali na fhuuhela Phanda nga awara ntiki yohhe hu do vha hu 4:00.	Ri ng a shumisa tsumbatshifhinga ya ziwiwo zwa ndeme kha u shuna phindulo. Vheani munwe wanu kha 2:30. tshifhinga tshine tshine vha tshone ziwiwo.	Ufhuuhela phanda hafhu ng ariwe awara yohhe zwi do ni swikisa kha 5:00.



Thaidzo dza tshifhinga



2:15

2:30

2:45

3:00

3:15

3:30

3:45

4:00

4:15

4:30

4:45

5:00

5:15

5:30

5:45

6:00

Ziwiwo ni teau u
fhuuhela ng a
ya awara u
swika kha 5:15.

Ufhuuhela phanda
hafhu ng ariwe awara
yohhe zwi do ni swikisa
kha 5:00.

Arali na fhuuhela
Phanda nga awara
ntiki yohhe hu do vha
hu 4:00.

awara ya |

$\frac{1}{2}$ ya awara na tanganya na awara mbili dzotjhe zwi ita awara dza 2:15.
Ra tanganya na $\frac{1}{2}$ ya awara zwi ita awara dza $2\frac{3}{4}$ zwi tangana zwothe.

Mbalo dza tshifhinga

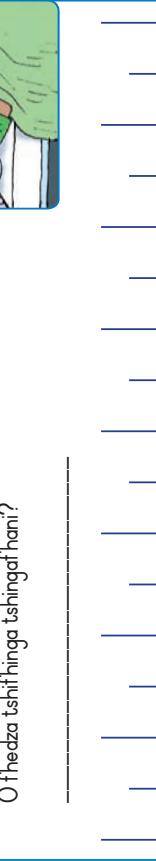
Tandululan i mbalo iriwe na inwe.
Shumisan i tsumbatshifhinga yo ziwiwo zwa ndemeuri ni ihuse.



- a. Lutendo u yau tolela khotsi awe kliniki nga 15:45.

Uhuma nga 17:15.

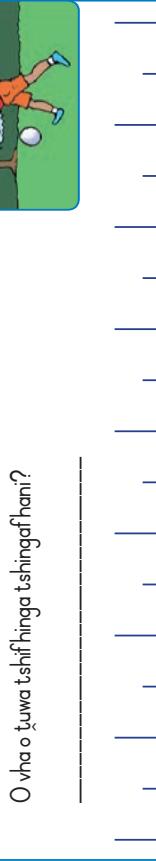
O fhedza tshifhinga tshingafhani?



- b. Mulalo u ya phakhan i nga 10:45.

Uhume la hayani nga 12:30.

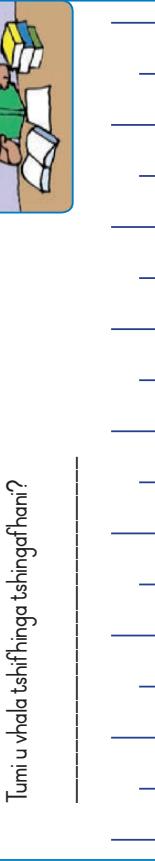
O vha o tuwa tshifhinga tshingafhani?



- c. Tumi u thoma u vhala nga 13:15.

Ufhedza nga 14:45.

Tumi u vhala tshifhinga tshingafhani?



Teacher:

Sign: _____
Date: _____

Vhalani nga dziz na dziz



Bodo dzirena milenzhe ya 3

Tanganyani ni nwale phindulo.



- Huna bodo nngana kha rou? _____
- Huna milenzhe mingana kha rou? _____
- Huna rou nngana dza bodo? _____
- Huna milenzhe mingana yo tangana yothie? Sumbedzani uri no zwi shuma nga ndilade.

(✓) Ndi mafhungombalo afhio a re afhio fhasia no sumbedza tanganyelo?
 $2 \times 7 = \boxed{ }$ $3 \times 7 \times 3 = \boxed{ }$ $3 \times 4 \times 2 = \boxed{ }$ $2 \times 3 = \boxed{ }$

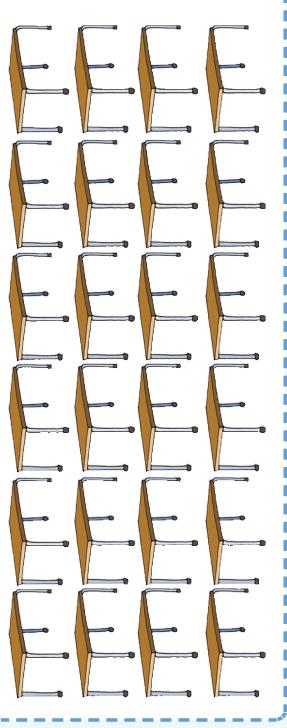
Huna milenzhe mingana?

bodo ya 1 milenzhe ya	3	bodo dza 10 milenzhe ya	5	bodo dza 5 milenzhe ya	12
bodo dza 2 milenzhe ya	15	bodo dza 15 milenzhe ya	6	bodo dza 12 milenzhe ya	10
bodo dza 5 milenzhe ya	13	bodo dza 13 milenzhe ya	8	bodo dza 14 milenzhe ya	11

Elekanyani nga u tshanya
Elekanyani nga ihučali

bodo dza 10 milenzhe ya	5	bodo dza 12 milenzhe ya	6	bodo dza 14 milenzhe ya	8
bodo dza 15 milenzhe ya	10	bodo dza 13 milenzhe ya	11	bodo dza 11 milenzhe ya	12
bodo dza 13 milenzhe ya	11	bodo dza 11 milenzhe ya	12	bodo dza 15 milenzhe ya	13

Milenzhe ya tafula



a. Huna tafula nngana kha rou? _____

b. Huna milenzhe mingana kha rou? _____

c. Huna rou nngana dza tafula? _____

d. Huna milenzhe mingana yo tangana yothie? Sumbedzani uri no zwi shuma nga ndilade.



Femeri

Muvhadji u ita tafula. U thoma naga u vhada milenzhe.

O no vhada milenzhe ya 48 u swika zwino. Ndi tafula nngana dzine a ngo ita?



Fhedzisani gjirdi nga u fhindula mbudziso.

2	3	4	5	8	10	11	12
× 3	6						
× 4	8						

Vhalani nga dzi50

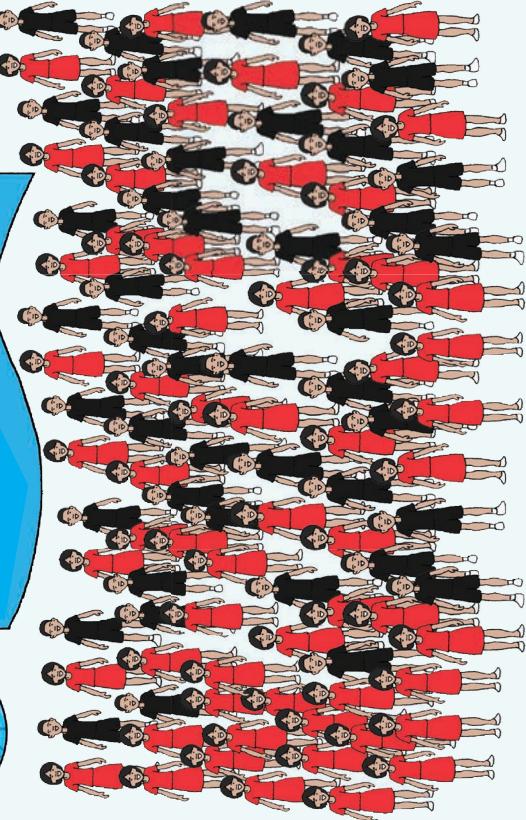
Nwana muthihhi, ngevhu nthhi!

Hu na vhana vhanganan? Anganyelani, ni kone u vha vhalani.

Ngevhu ya Fulufhelos.

Vhana vhasatu kha vha duduwe.

NPO 23 - 098



Vha badela vhuqai?



Mathfungo



u renga



a 2.

Ubadelo

R



Mufumakadzi Vho Singo



vha renga



a 5.

Vha badela

R



Vha vhengeli la Thembu Stores

Vha renga

R

	a 5 nga R50 = R250		a 10 nga R50 = R500
	a 4 nga R50 = R ____		a 15 nga R50 = R ____
	a 3 nga R50 = R ____		a 6 nga R50 = R ____
	a 7 nga R50 = R ____		a 12 nga R50 = R ____
	a 8 nga R50 = R ____		a 9 nga R50 = R ____

Vhana vhotshhe vha re tshifanyisoni itshi vha fhiwa nguvhu.

Ndi vhana vhanganan vha re hone? _____

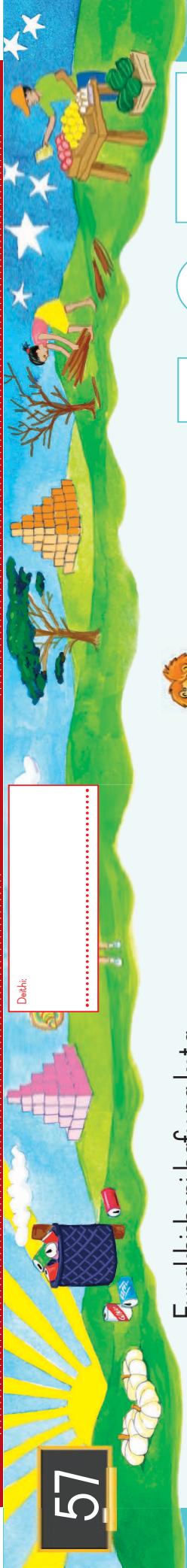
Vhambedzani

Vhalani

Anganyelani

Vhalani

</div



Furakhisheni hafu na kota

Kovhani bola dici tsililingana ofho zwibogisini

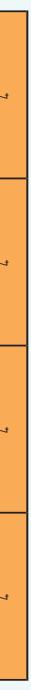


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Themo ya 2

<p>Huna bola nngana bogisini linwe na linwe?</p> <ul style="list-style-type: none"> Ndi bola nngana dici re bogisini la phephulu? Ndi furakhisheni ifhio i re bogisini la phephulu? Ndi furakhisheni ifhio i re bogisini la phephulu? 	<p>$\frac{1}{2}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p>
<p>$\frac{1}{2}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p>	<p>$\frac{1}{2}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p>
<p>$\frac{1}{2}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p>	<p>$\frac{1}{2}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p>

Lavhelesani zwitirepe (vhubammbari) zwa furakhisheni



<p>Nikona u vhala zwitendededzi zwingana?</p> <p>$\frac{1}{2}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{2}{4}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{3}{4}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{4}{4}$ ya zwitendededzi ndi ifhio?</p>	<p>$\frac{1}{2}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p>
<p>Nikona u vhala zwitendededzi zwingana?</p> <p>$\frac{1}{2}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{2}{4}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{3}{4}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{4}{4}$ ya zwitendededzi ndi ifhio?</p>	<p>$\frac{1}{2}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p>
<p>Nikona u vhala zwitendededzi zwingana?</p> <p>$\frac{1}{2}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{2}{4}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{3}{4}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{4}{4}$ ya zwitendededzi ndi ifhio?</p>	<p>$\frac{1}{2}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p> <p>$\frac{1}{4}$ ya zwivhumbeo.</p>

Ndi hafu ($\frac{1}{2}$) nngana dici no do ita yothé nthili?

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

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

a. Ndi hafu ($\frac{1}{2}$) nngana dici no do ita yothé nthili?

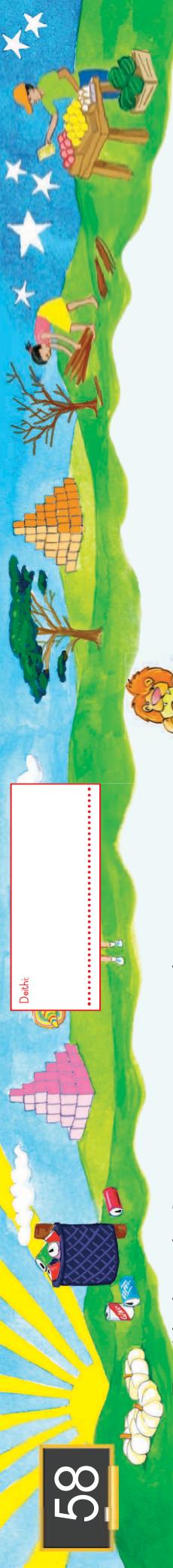
Ndi kota ($\frac{1}{4}$) nngana dici no do ita yothé nthili?

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

b. Lavhelesani daigiramu (nyolo) ni rwale furakhisheni ya tshijidaa tslo swifhadzwo.

Lavhelesani zwitirepe (vhubammbari) zwa furakhisheni

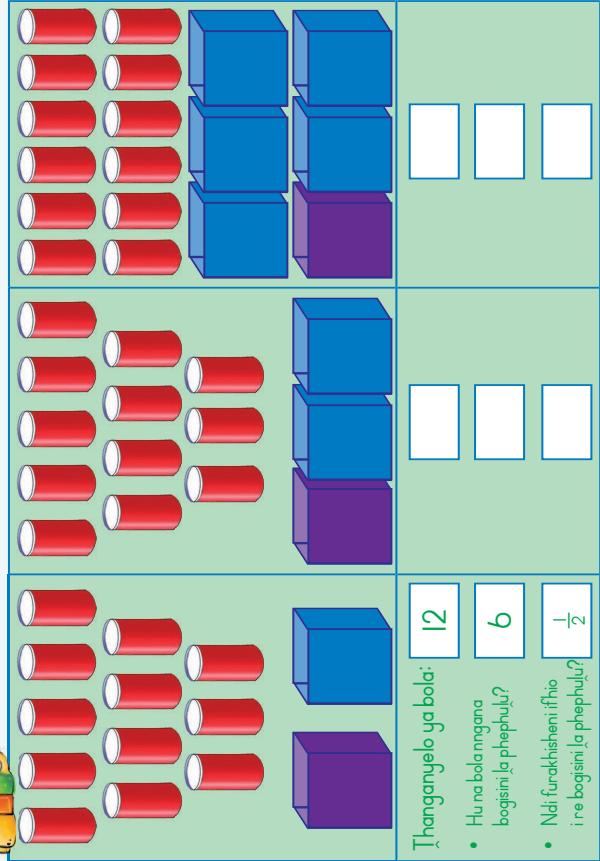
c. Ndi furakhisheni ifhio ire khulwane $\frac{1}{2}$ kana $\frac{1}{4}$



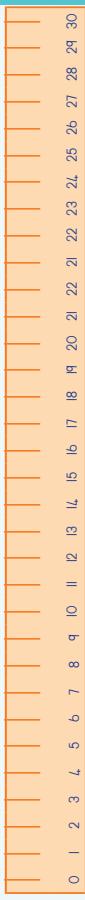
58

Furakhisheni: hafu; zwaranu na zwarathi

Kovhani zwikočiköü (silindar) ngau lingana mdoqisini.



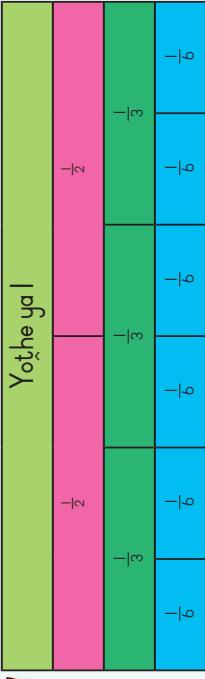
Themba ya 2



- Sumbedzani hafu kha rula. Hetshi tschi lingana na ____ cm
- Sumbedzani tshararu kha rula. Hetshi tschi lingana na ____ cm
- Sumbedzani tsharathhi kha rula. Hetshi tschi lingana na ____ cm



Lavhelesani zwitirepe zwa furakhishini. Fhedzani mafhungo.

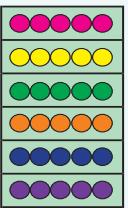


Yot'he ya |

- Hu na hafu dza ____ kha yot'he.
- Hu na zwaranu zwa ____ kha yot'he.
- Hu na zwarathzi zwa ____ kha yot'he.
- Hu na zwarathzi zwa ____ kha hafu.
- Hu na zwarathzi zwa ____ kha tsharanu.



Nwalani furakhisheni ya tshipiqa tsho swifhadzwaho.



ya zwitendeledzi ndi ifhio?

131

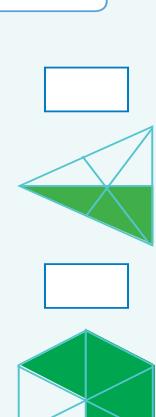


Tangedzeleni furakhisheni khukwane.

a. $\frac{1}{2}$

b. $\frac{1}{2}$

c. $\frac{2}{6}$



130



Furakhisheni: tshat̪hanu

Kovhani zwilkotikötü maboqisini.



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Themo ya 2

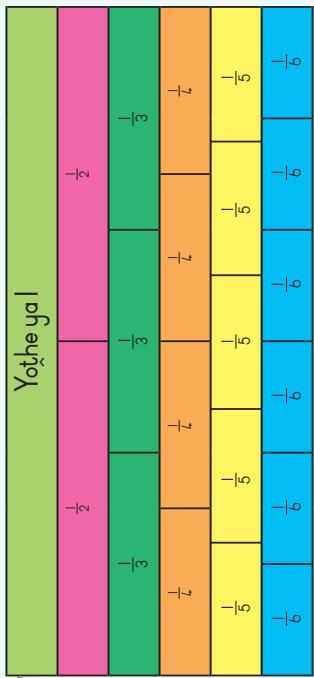


Mivhala ya zwishumiswa zwa u elia.



A decorative graphic element consisting of stylized orange and green leaves or petals arranged in a cluster.

Lavhelesani zwit̄irepe zwa furakhisheni. Fhedzisani mafhungo.



Tangedzelani zwi hulwane kana zwituku

- a. $\frac{1}{2}$ ndi khulwane/t_čukhu kha 4.

b. $\frac{1}{3}$ ndi khulwane/t_čukhu kha $\frac{1}{2}$.

c. $\frac{1}{5}$ ndi khulwane/t_čukhu kha $\frac{1}{6}$.

d. $\frac{1}{6}$ ndi khulwane/t_čukhu kha $\frac{1}{3}$.

e. $\frac{3}{6}$ ndi khulwane/t_čukhu kha $\frac{2}{3}$.



Lavhelesani zwifanyiso ni fhindule mbudziso.

Ma t shokolait hi nmanca bacisini?

1. $\frac{1}{5}$ ya tshokoleithii lingana na

2. $\frac{2}{5}$ ya tshokoleithii lingana na

3. $\frac{3}{5}$ ya tshokoleithii lingana na

4. $\frac{4}{5}$ ya tshokoleithii lingana na

5. $\frac{5}{5}$ ya tshokoleithii lingana na

Liniwe duvha ndo $\frac{1}{5}$ ya tshokoleithii

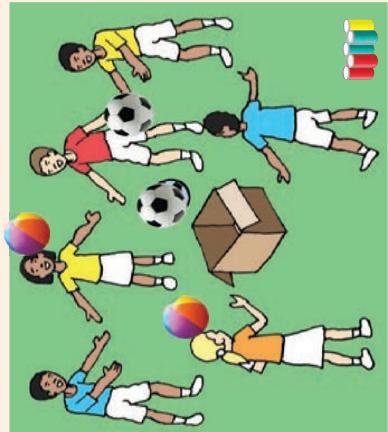
- Linwe duvhando la $\frac{1}{5}$ ya tshtokaleithi. Ho sala tshtokaleithi mnqara?
- Linwe duvhaha ndo dophysha nda la $\frac{1}{5}$ ya tshtokaleithi. Ho sala tshtokaleithi mnqara?

Zwithu zwa 3D



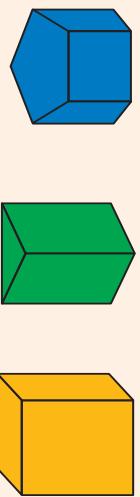
Themba 2

Vhalani zwibogisi (phirizimu)
Vhalani bola (zwipulumbu)
Vhalani silinda



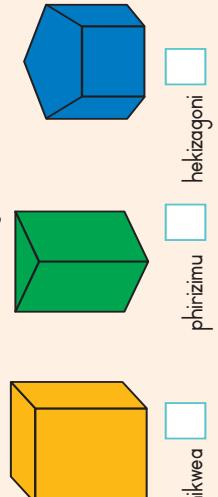
Hezwi zwot̄he ndi mabogisi.

Shumisanī Zwigeriwa zwa mabammbari a 3 na 4 kha u vhumba izwi zwithu.



Fhetu huiwe na huiwe ha baphathi hupfi ndi lurumbu (phanda ha). Nambatedzani tsifhatuwo tsifhiwe na tsifhiwe tschi no khau nwet̄huwa kha lurumbu lwa bogisi.

No nambatedza zwifhatuwo zwingana?



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



Talutshedzani tsilimo tsha silinda ni tshi shumisa maipfi aya
Talutshedzani tsilimo tsha silinda ni tshi shumisa maipfi aya

Nga nt̄ha



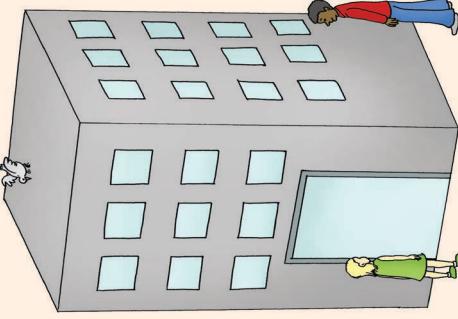
Nga phanda



Nga lurumbu



Shumisanī maipfi a re afho fhasi kha u fhedzisa mafhungo.



Musidzana o sedza _____ ha tsififhato.

Munna o sedza _____ iwa tsififhato.

Tshinoni tscho sedza _____ ha tsififhato.

lurumbu _____ phanda _____ nt̄ha

tshikwea phirizimu hekizagoni

b)

U inga kavhili (davhulu) na hafu

Ni kha di elelwā?

2 ndi hafu ya 4

4 ndi davhulu ya 2

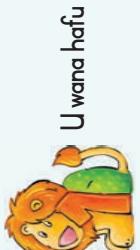
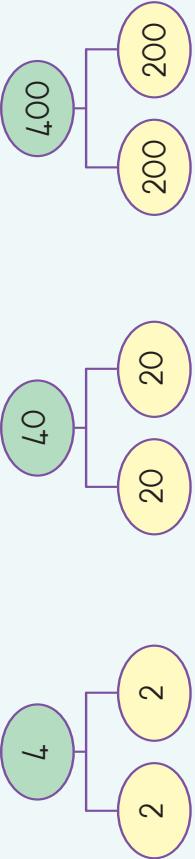
20 ndi hafu ya 40

40 ndi davhulu ya 20

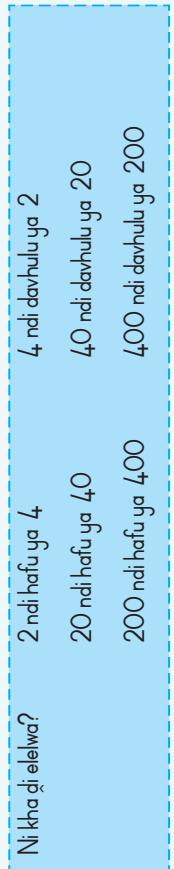
200 ndi hafu ya 400

400 ndi davhulu ya 200

Elelwā! Ni nga sumbedza izwi zwitħu kha nyolo (tshifanyiso) ...



U wara hafu



Dash:

Ingani kavhili nomboro ngau shumisa
mutalombalo. Ro ni nea tsumbo ya u thoma.

Tsumbo:

Ingani kavhili **40**

80

40

=

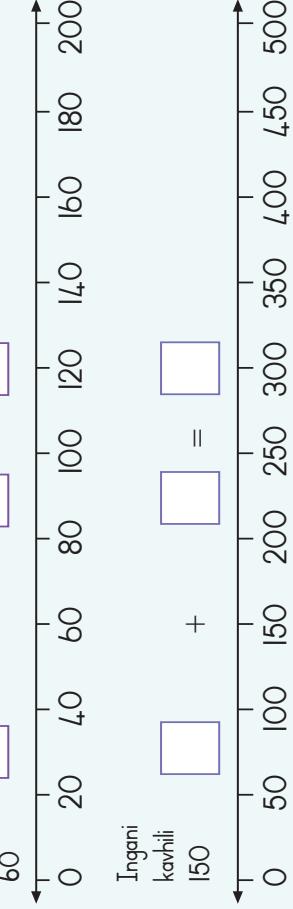


Ingani kavhili **60**

120

60

=



Ingani kavhili **150**

180

150

=

Ingani kavhili **200**

250

200

=



Fhedzisani zwi tevheldha

a. Hafulani 220

b. Hafulani 180

c. Hafulani 260

d. Hafulani 60

e. Hafulani 320



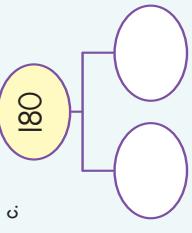
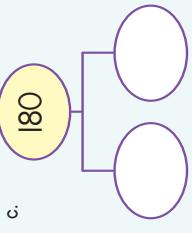
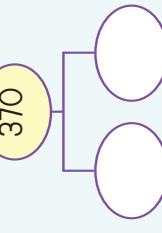
Teacher:

Sig:

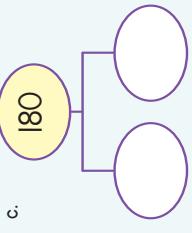
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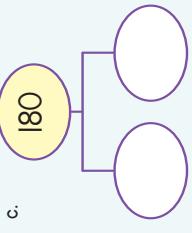
Fhedzisani zwi tevheldha



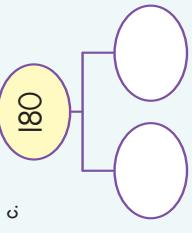
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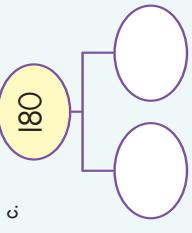
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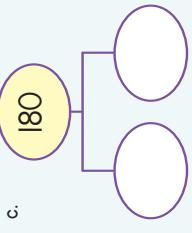
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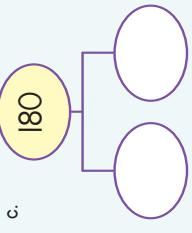
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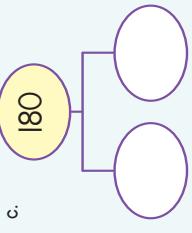
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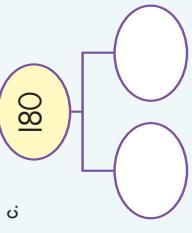
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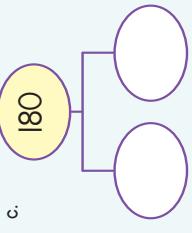
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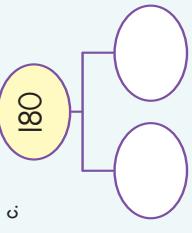
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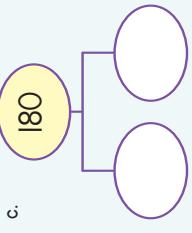
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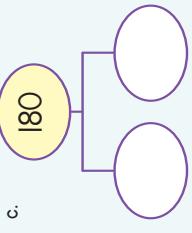
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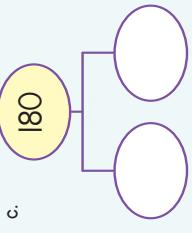
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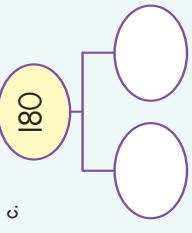
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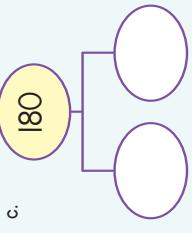
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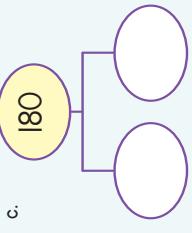
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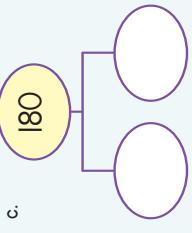
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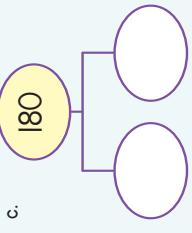
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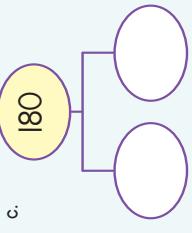
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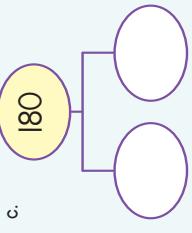
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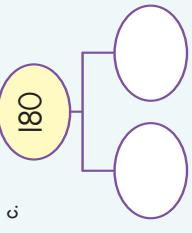
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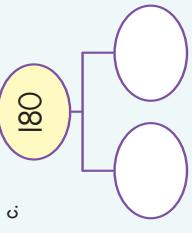
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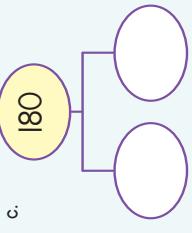
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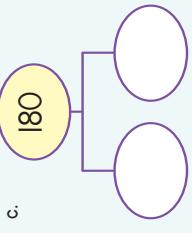
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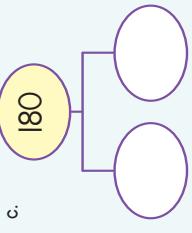
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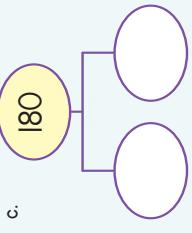
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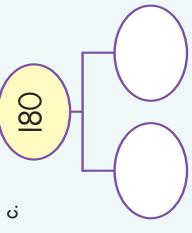
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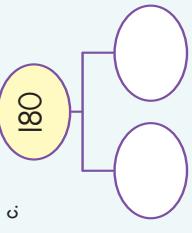
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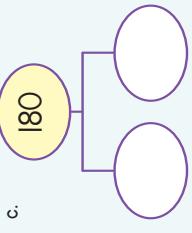
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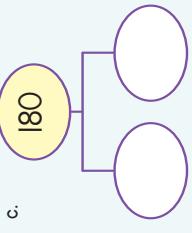
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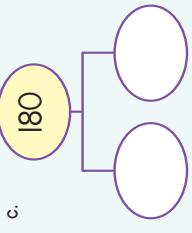
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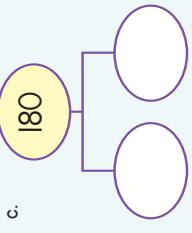
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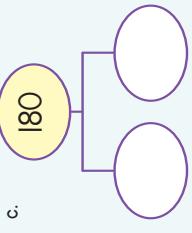
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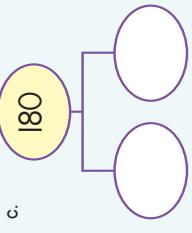
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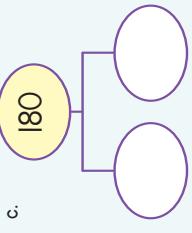
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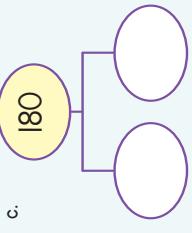
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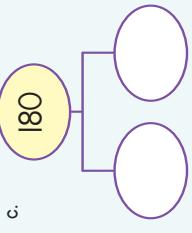
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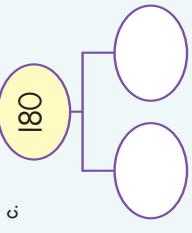
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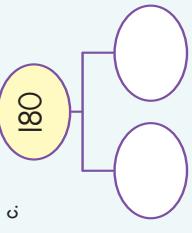
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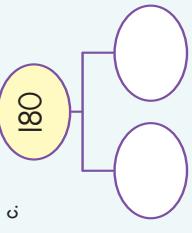
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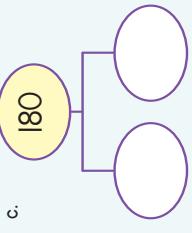
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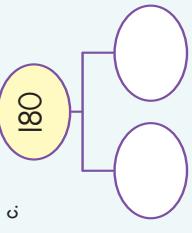
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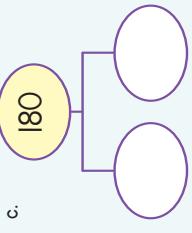
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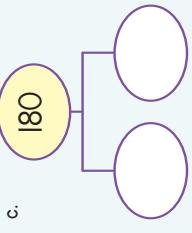
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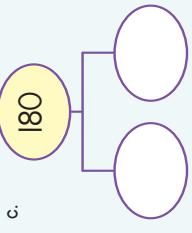
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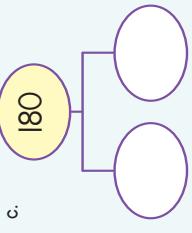
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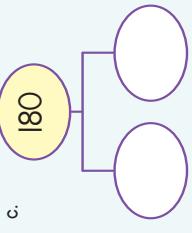
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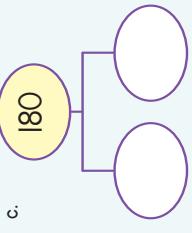
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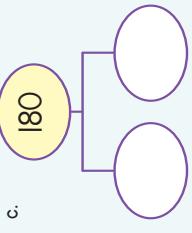
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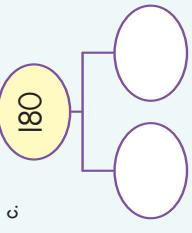
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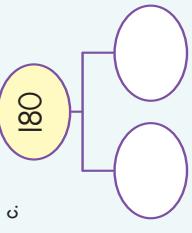
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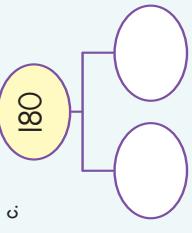
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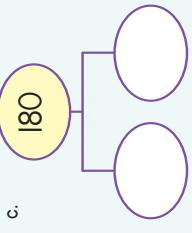
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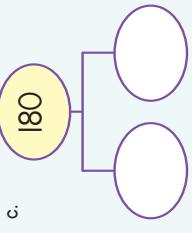
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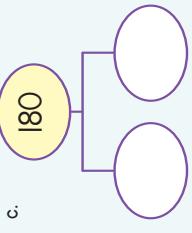
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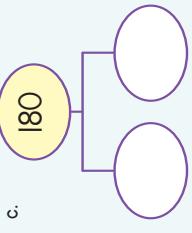
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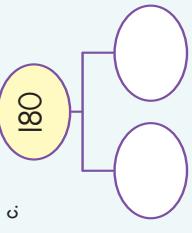
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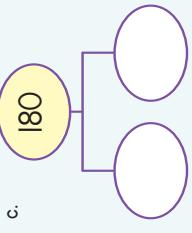
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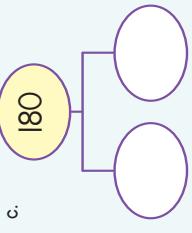
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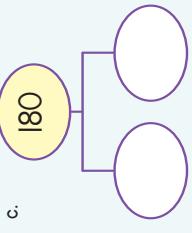
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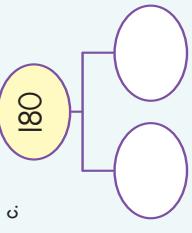
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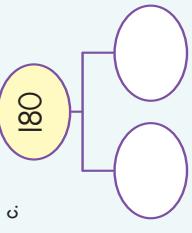
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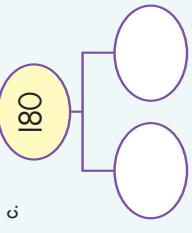
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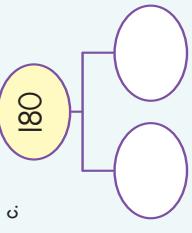
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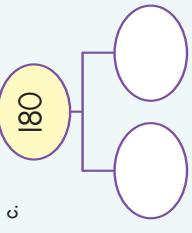
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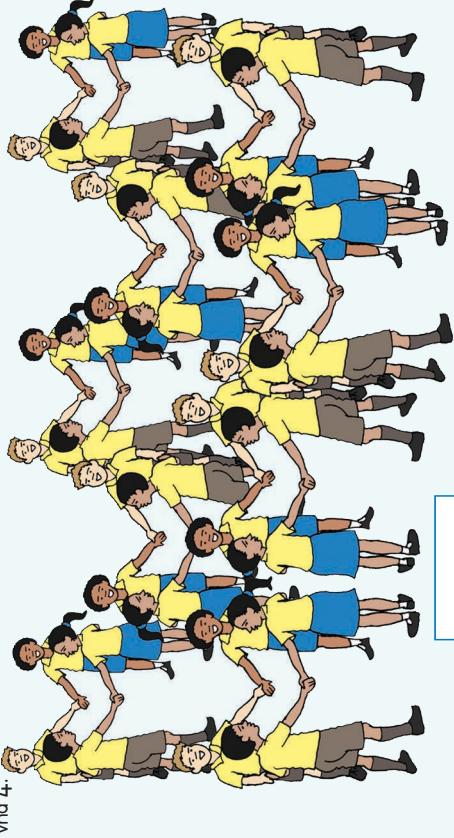
e.



U vhea nga zwigwada nau bađekanya

Vheani vhana nga zwigwada

Mufumakadzi Vho Ndabba vha ɿoddu u khethekanya kilasi ya bva zwigwada zwa sazi dici lingandaho u itela mitambo ya ndda ha kilasi. Vha thoma ngau vha vhekanya nga zwigwada zwa thimu dza vhana vha.



a. Vhalani vhana.

b. Vha kona u vnumba thimu nngana?

Tolani. Vhambedzani.
Lulamisani.

- c. Sumbedzani diciwe ndla dzot̄he dzine vhana vha nga khethekanya ha bva zwigwada zwa sazi dici no lingana.

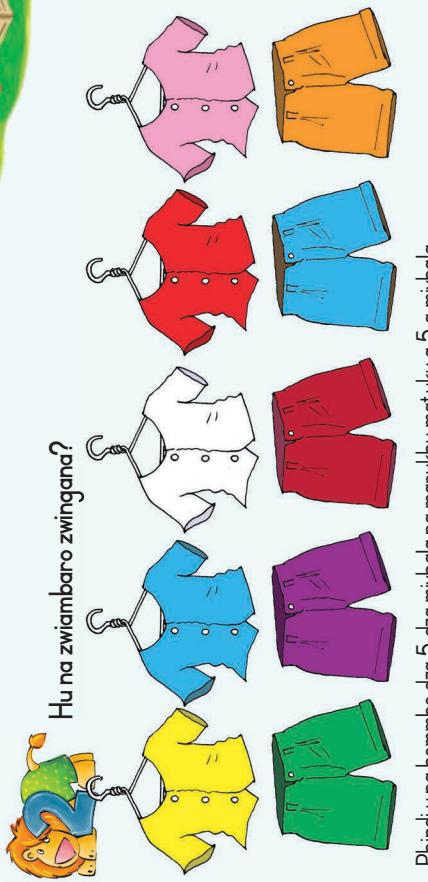
Humbulelani: Hu ngatea mini arali Phindi e na mivhalo ya 6 yo fhambanaho ya hembbe na marukhu mapufufhi?

Ndi zwiambaro zwingana zwine a nga zwi ita a tsli khou shumisa u t̄anganelana ha mivhala ho fhambanaho?

Sa tsumbo: Hembbe ya lutombo/vhurukku vhupfufhi ha lutombo. Hembbe yg lutombo/vhurukku vhupfufhi ha tshticopana.

Nwalani ledere la uthomala muvhalo munwe na munive. Sumbedzani khanadzeo diciwe dzot̄he dza zwiambaro.

Tolani. Vhambedzani.
Lulamisani.



Hu na zwiambaro zwingana?

Phindi una hembbe dza 5 dza mivhala na marukhu matuku a 5 a mivhala.

Ndi zwiambaro zwingana zwo fhambanaho zwine a nga zwi ita a tsli khou shumisa u t̄anganelana ha mivhala ho fhambanaho?

Sa tsumbo: Hembbe ya lutombo/vhurukku vhupfufhi ha lutombo. Hembbe yg lutombo/vhurukku vhupfufhi ha tshticopana.

Nwalani ledere la uthomala muvhalo munwe na munive. Sumbedzani khanadzeo diciwe dzot̄he dza zwiambaro.

a. Vhalani vhana.

b. Vha kona u vnumba thimu nngana?

c. Sumbedzani diciwe ndla dzot̄he dzine vhana vha nga khethekanya ha bva zwigwada zwa sazi dici no lingana.

Humbulelani: Hu ngatea mini arali Phindi e na mivhalo ya 6 yo fhambanaho ya hembbe na marukhu mapufufhi?

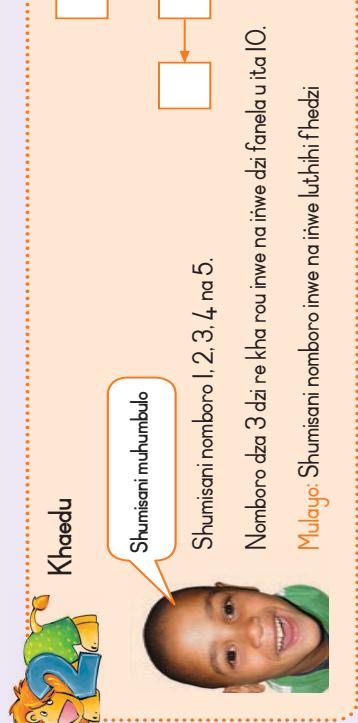
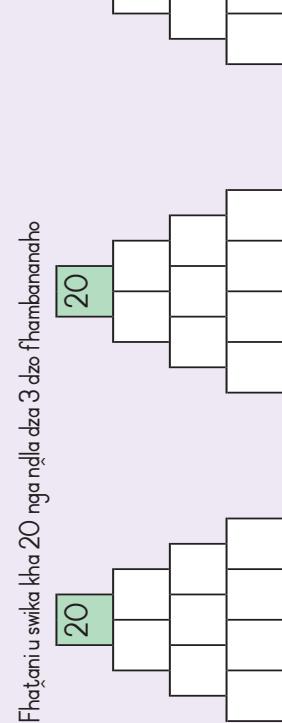
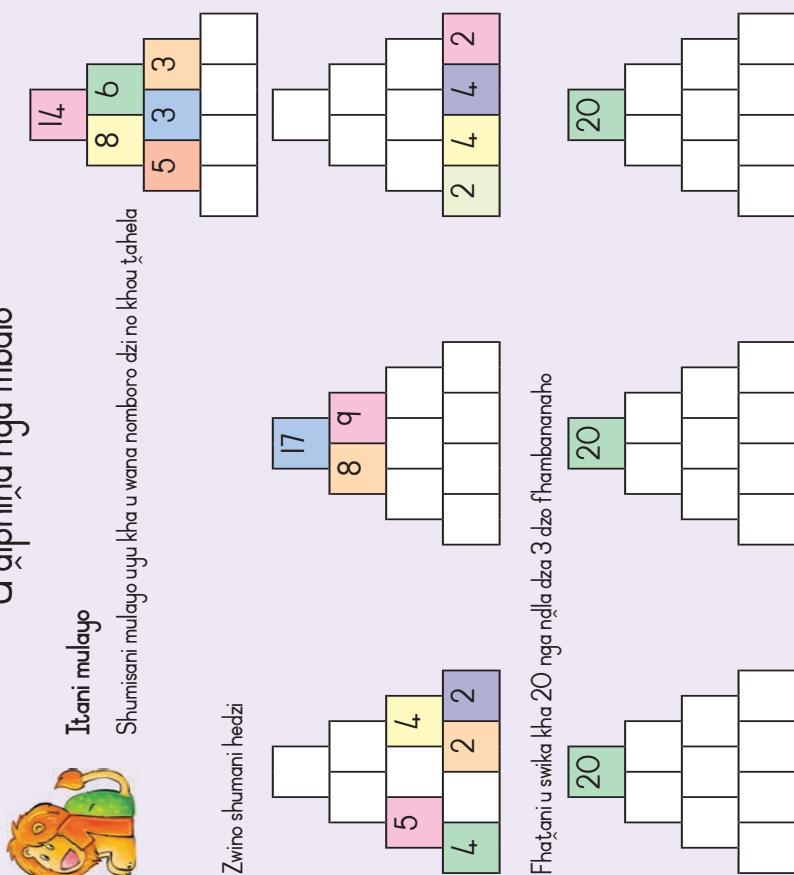
Ndi zwiambaro zwingana zwine a nga ita?

Tolani. Vhambedzani.
Lulamisani.

U dipin̄na nga mbalo

Itani mulayo

Shumisani mulayo uyu kha u wana nomboro dzi no khau t̄ahela



Themoyā

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U wana nomboro

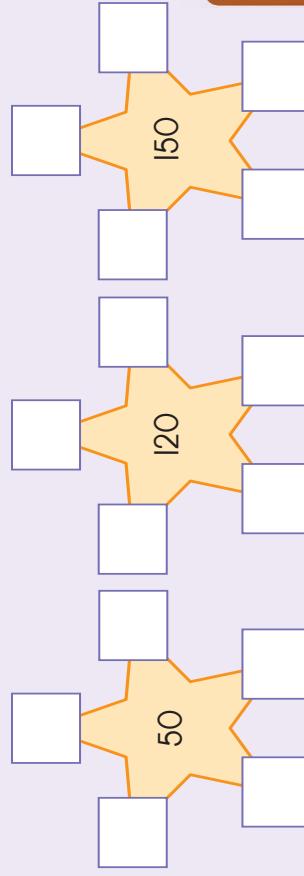
a. Mulayo 3. Nomboro dzi re kha rou inwe na inwe dzi teu u vhubma 16 dzo t̄angana.

2	5	3	6

b. Mulayo: Nomboro dia 3; u budga na rou na u tsanakholomo; dia ita t̄hanganyelo nthiki dzo t̄angana dzot̄he.

2	7	6	
q		1	
	3	8	
			10

c. Mulayo: Dzhenisani nomboro dia 5 dia inwe na dia inwe dzine dzo t̄angana dzot̄he dia ita nomboro i re ngomu ha naledzi.



I	I	O	I	O	O
2	2	O	2	O	O
3	3	O	3	O	O
4	4	O	4	O	O
5	5	O	5	O	O
6	6	O	6	O	O
7	7	O	7	O	O
8	8	O	8	O	O
q	q	O	q	O	O

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

