



Vho Angie Motshekga vha
Muhasho wa Pfunzo ya Muteo



Vho Enver Surty.
Muthusaminista wa Pfunzo
ya Muteo

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

Bugu dza u shumela dza Rainbow ndi tshipida tsha zwe Muhasho wa Pfunzo ya Muteo wa ita zwa u khwi, isa vhukoni ha vhagudi vha Afrika Tshipembe vha giredi dza rathi dza u ranga. Sa tshiwe tsha zwithu zwihiwane zwa Pulanetshumisi (Action Plan) ya Muvhuso, thandela iyi yo konadzea nge ya lambedzwa lu sa vhudziswi nga Muhasho wa Gwama ja Lushaka (Thirezhari).

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

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

Ri na fulufhelo li no bva li mbiluni uri vhana vha do diphi, a nga u shumisa bugu idzi zwenezvi vha tshi khou aluwa na u guda, khathihi na uri na vhonenvho, sa mudededzi, vha do diphi, a na vhana avha.

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

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GRADE 3 – BOOK 1
TERMS 1 & 2

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DIVHAMBALONGA TSHIVENDA – Gireidi ya 3 Bugu ya |



Gireidi
ya 3

Dzina:

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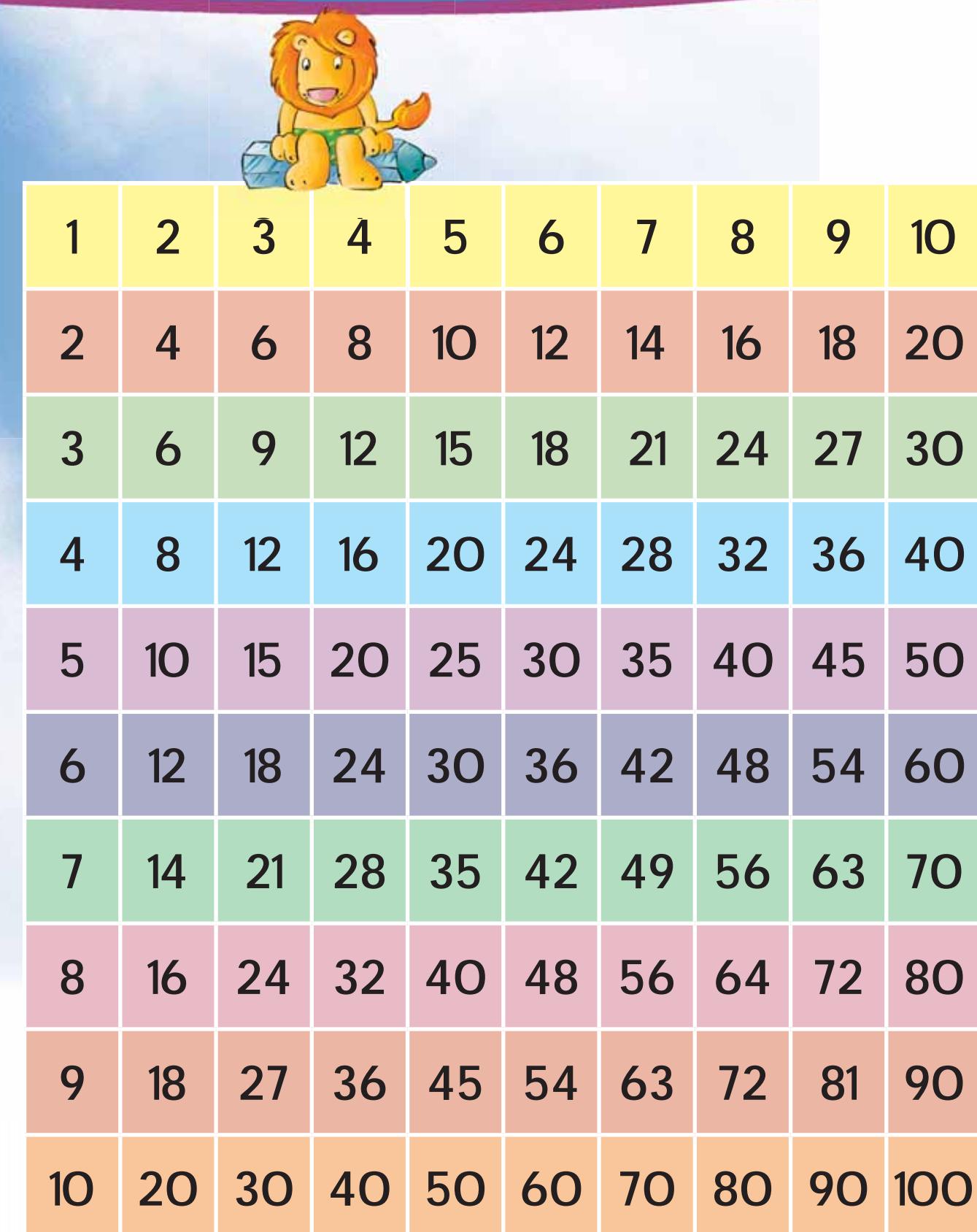
Bugu ya 1
Theme 1 & 2

MBALONGA TSHIVENDA

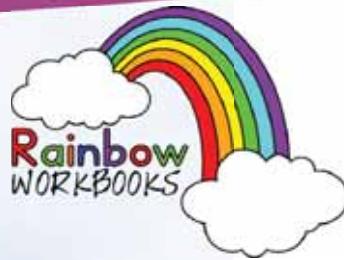
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	Tshigeriwa 2	



Gireidi
ya **3**



M b a l o

NGA TSHIVENDA

Heyi bugu ndi ya:



TSHIVENDA
Bugu ya
I



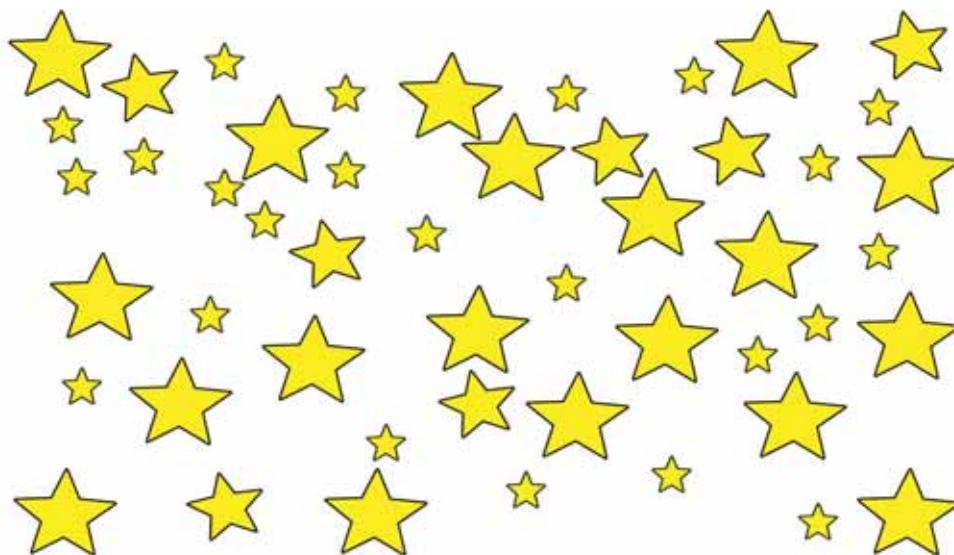
Dethi:



U vhala, u vhekanya na u sumbedza!

Hu na naledzi nngana?

Vhambedzani phindulo



Anganyelani uri hu na naledzi nngana. _____

Zwino dzi vhaleni. _____



Wanani muwini!

Ndi nnyi o anganyelaho u fhira vhothe?

Dzhenisani madzina aqna na phindulo kha thebulu iyi.

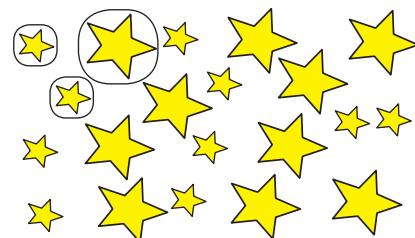
Dzina				
Anganyelani				
Nomboro dzo vhalwaho				
Phambano vhukati ha zwe na anganyela na zwe na vhala				



Ndila dza u vhala. Ri thuseni u i ñwala



Ndo vhalela
nga thihi.



I, 2, 3, _____



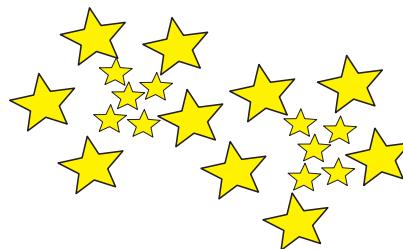
Ndo vhala
nga 2.



Ndo vhalela
nga t̄hanu



2, _____



Ndo vhalela
nga mahumi



5, _____



Nwalani mafhungombalo

Nwalani mafhungo mavhili ni tshi ñea
thanganyelo ya ñaledzi. A ñwaleni nga ndila mbili.

Khulwane Thukhu Ngaurali

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

nahone sa fhungombalo.

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

kana

ngaurali

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

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

Musi ni tshi t̄anganya
nomboro dziñwe na dziñwe
mbili a zwi na mushumo uri
mutesvhe wadzo ndi uf hio.



Teacher: Sign:
Date:

11 12 13 14 15 16 17 18 19 20

2

Dethi:

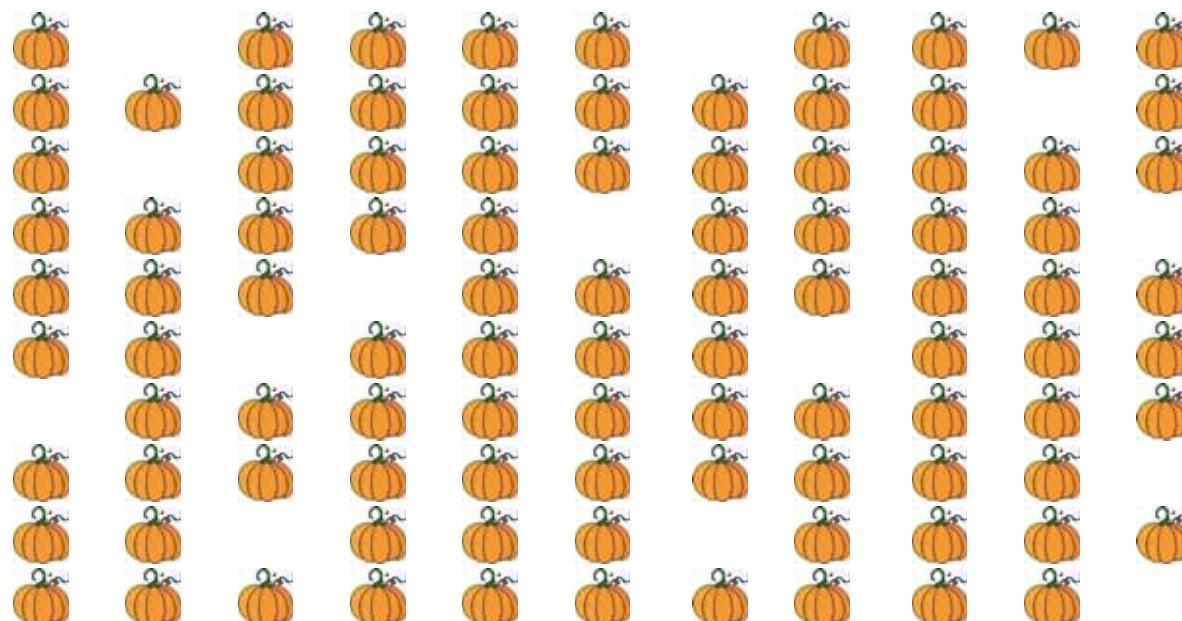
Themo ya |



U vhala nga vhutali

U vhala mafhuri

U wana ngila i leluwaho ya u a vhala.



Phindulo: _____



Upaka mafhuri

Mafhuri a fumi a dzhena sagani lithihi.



Ni nga dadza masaga mangana nga mafhuri? _____

O fhira nga mafhuri mangana? _____

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



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

Fhedzisani mitalombalo.

Tsumbo:

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



a. $10 + 10 + 10 =$

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



b. $|0 + |0 + |0 + |0 + |0 + |0 + |0 + |0 =$

zwiqwada zwa zwa | 0 \Rightarrow \times =



Zwanda na minwe



Hu na zwanda zwingana? _____

Hu na minwe mingana? _____

Nwalani phindulo yanu nga ndila dza 2.

$$\text{Zwierząt zwa } \underline{\quad} \text{ zwa } 10 \underline{\quad} = \quad \text{na} \quad \underline{\quad} \times 10 = \underline{\quad}$$



3a



Dethi:



Nomboro dzi re kha bodo ya madana

U amba nga nomboro

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

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



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



Ńwalani nomboro nga maipfi.

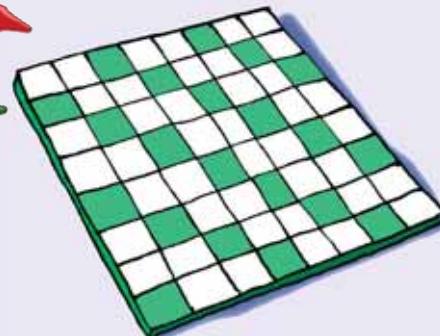
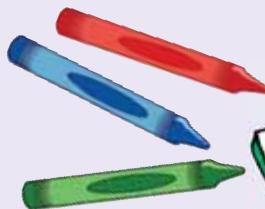
90	fut̄ahe	41	
77		56	
14		65	

1 2 3 4 5 6 7 8 9 10



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 dzo 10 u swika kha 100.

Nwalani nga dzo 5 u swika kha 80.

Nwalani nga dzo 2 u swika kha 50.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Dethi:

3b



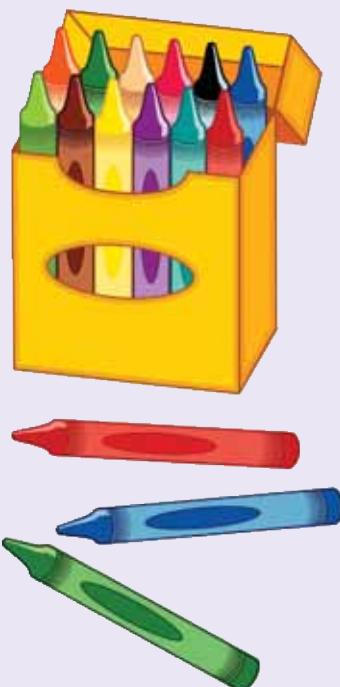
Themo ya |

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



U tala phetheni

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	55	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



Itani thiki kha 10 dzothe.

Itani thiki kha 5 dzothe.

Itani thiki kha 2 dzothe.

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

1 2 3 4 5 6 7 8 9 10



Uvhala phetheni

Dzhenisani nomboro dzo t̄ahelaho.

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

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

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

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

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

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



Teacher: Sign:
Date:

4



Dethi:

Themo ya |



U sumbedza nomboro dzanu

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



43

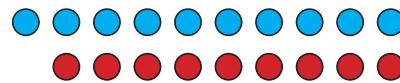
69

54

35

1 0
q

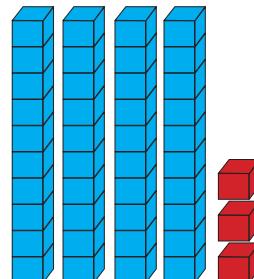
19



1 0
q

$$10 + 9 = 19$$

43



1 0
1 0
1 0
1 0
3

$$40 + 3 = 43$$

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

54

35

69

10

1 2 3 4 5 6 7 8 9 10



U n̄wala nomboro idzi

Ro dzula ro ni itela ya u thoma

Ri nga kha d̄i ri
nthihi dza 9

19	$10 + 9$	1 fumi + 9 yuniti
43		
69		
54		
35		
21		
73		
44		
32		
89		
17		
95		
56		
68		
67		



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

_____;	_____;	_____;	_____;	_____;
--------	--------	--------	--------	--------



11 12 13 14 15 16 17 18 19 20



Dethi:

.....

Mutanganyo na mutuso



Tshitolo tsha Takalani

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

a. Ndi phakhethe nngana dze Takalani a rengisa? _____

b. Nwalani phindulo yanu sa fhungombalo.

$$_____ - _____ = _____$$



Nwalani manwe mafhungombalo mačanu ni tshi sumbedza phindulo i fanaho.

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



Ndovhololo ya nomboro

Nwalani phindulo.

$$1 + 2 = 3$$



$10 + 5 =$ <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"/>



Mitaa ya nomboro

5 9 14

Tsumbo dza uno mutaa wa nomboro khedzi

$$9 + 5 = 14$$

$$5 + 9 = 14$$

$$14 - 9 = 5$$

$$14 - 5 = 9$$



Ni nga kona u wana miča yothe ya nomboro 14?

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



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

12

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



11 12 13 14 15 16 17 18 19 20

6

Dethi:

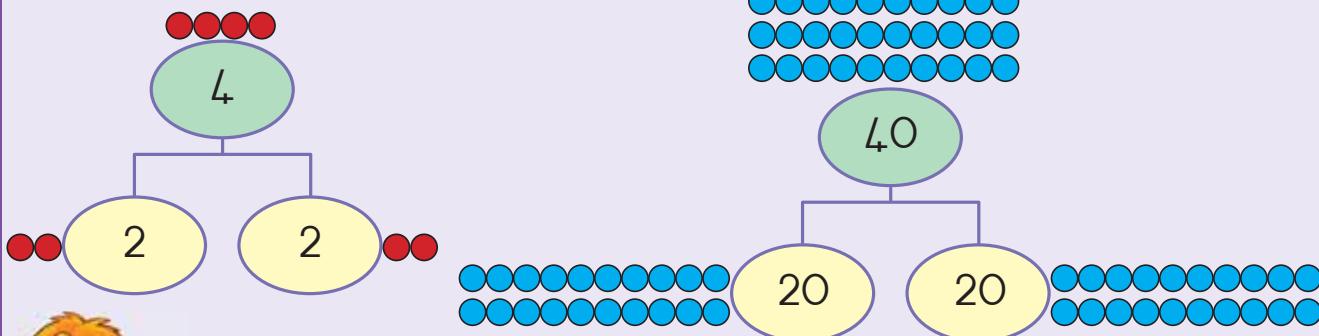
Themo ya I

Nydingakavhili (Davhulu) na dzihafu

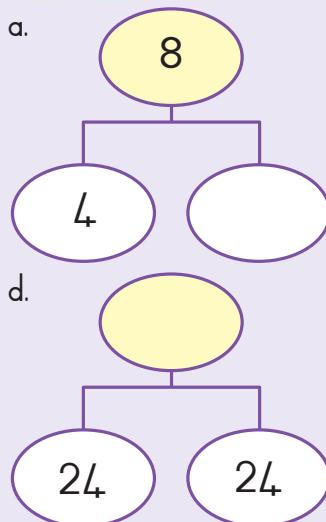
Ni kha di elelwa naa?

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

Ri nga sumbedza izwi nga nyolo ...



Wanani davhulu kana dzihafu



Khaedu

Wanani hafu nthihi ya 3.

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

.....

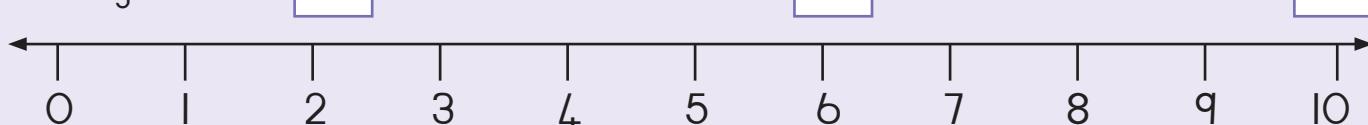


Ingani kavhili (davhulani) nomboro ni tshi shumisa mutalombalo. No ḡewa tsumbo ya u thoma.

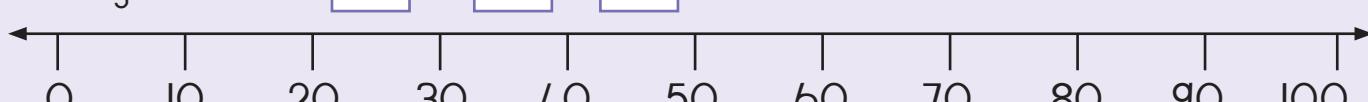
a. Ingani kavhili 4 + =



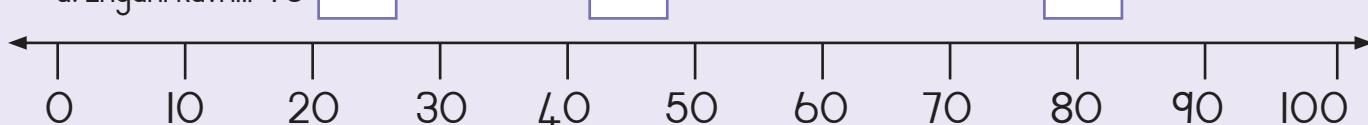
b. Ingani kavhili 5 + =



c. Ingani kavhili 20 + =



d. Ingani kavhili 40 + =



Fhedzisani zwi tevhelaho

- | | |
|----------------------|--------------------------------|
| a. Ingani kavhili 1 | <input type="text" value="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" value="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"/> |



7



Dethi:

Furakhisheni (zwipiða)

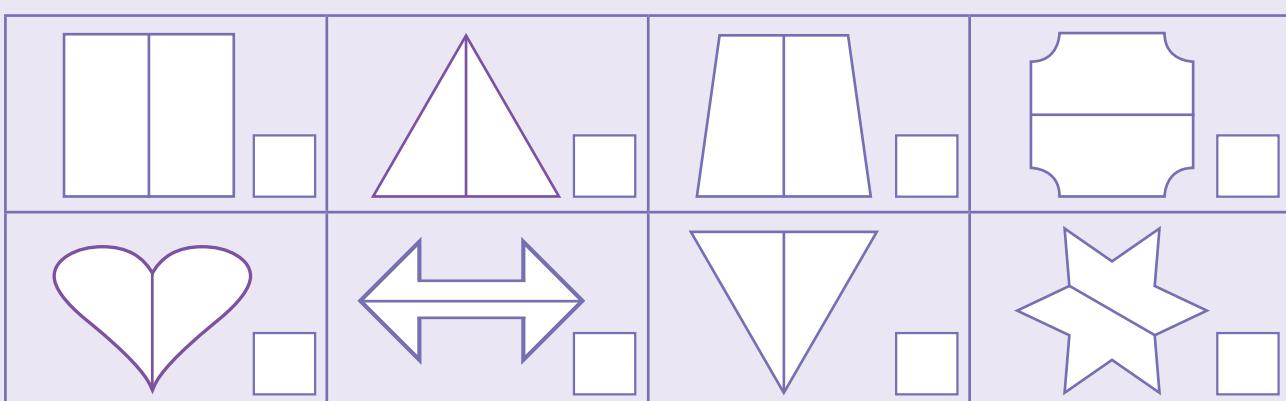
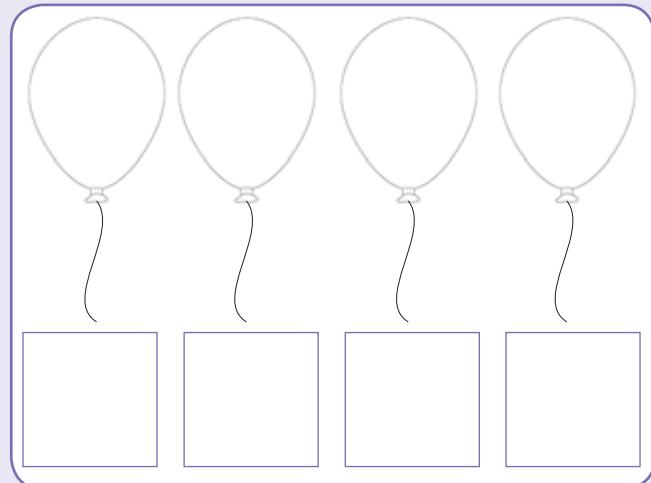
Khalaranı kota nthihi ya mabaloni nga muvhala mutswuku ayo manwe nga wa lutombo.

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

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

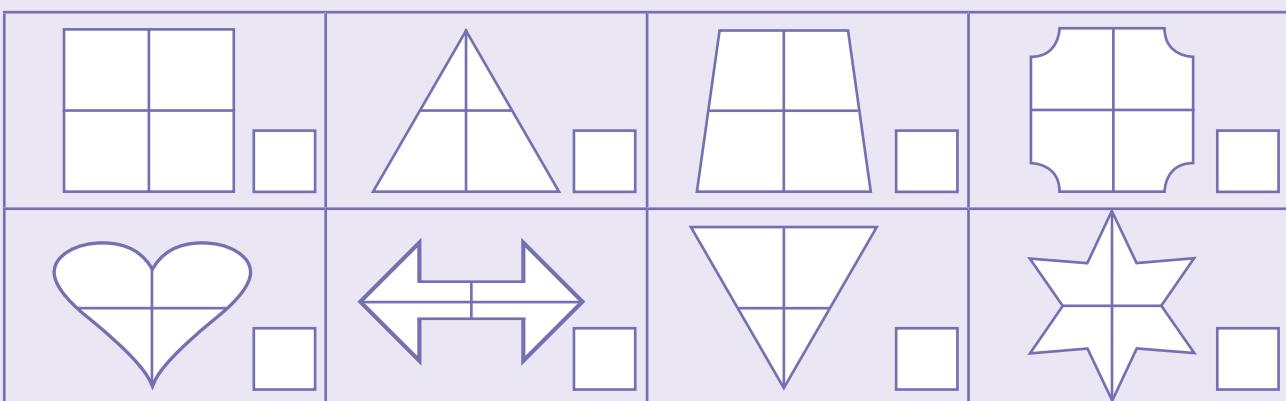


Khalaranı hafu nthihi ya tshivhumbeo tshiñwe na tshiñwe tshe tsha fhandulwa tsha bva dzihafu.



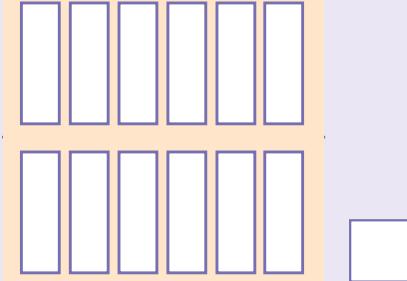
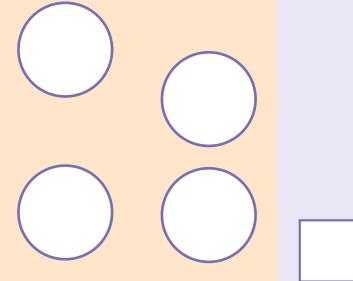
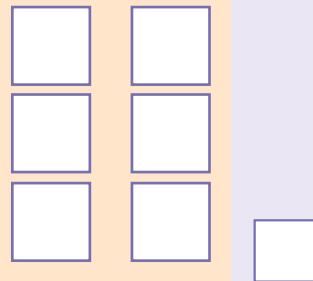
Lavhelesani zwivhumbeo. Nwalani thiki kha zwivhumbeo zwi no sumbedza dzikota.

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

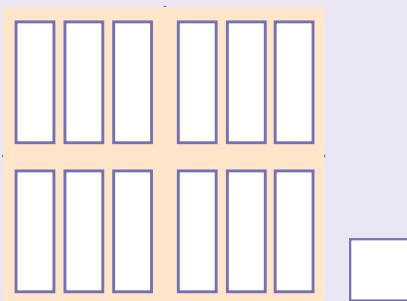
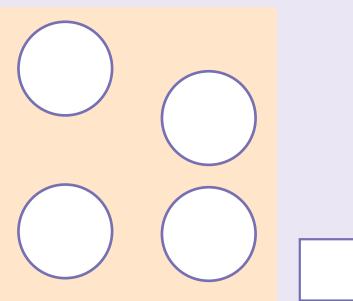
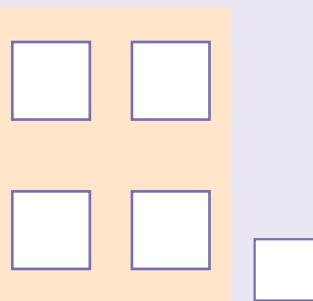




Khalarani hafu ya zwivhumbeo. Hafu ya tshivhalo tsha zwivhumbeo ndi ifhio?



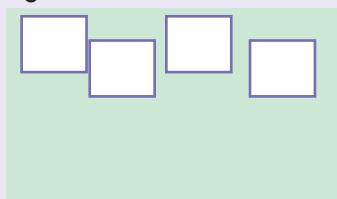
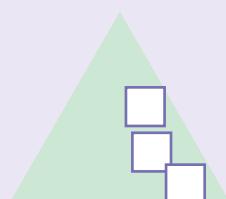
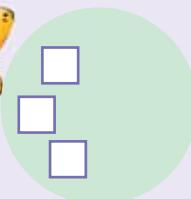
Khalarani kota ya zwivhumbeo. Kota ya tshivhalo tsha zwivhumbeo ndi ifhio?



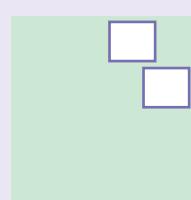
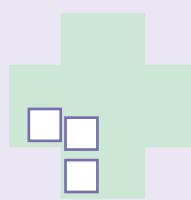
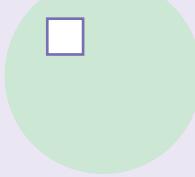
Nwalani sa luswayo (tshiga) lwa furakhisheni. hafu nthihi kota nthihi



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



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



Teacher:
Sign:
Date:



Dethi:

.....

U vhekanya tshelede

Tshitokofelani



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



Anganyelani tshelede yo^{the}. 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 ^{lo}da vhugai nga ⁿtha?

Nwalani fhungombalo la u sumbedza phindulo yanu.





Banngani

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



T^hanganyelo

	R _____
	R _____
	R _____



Khaedu

U dala zuu

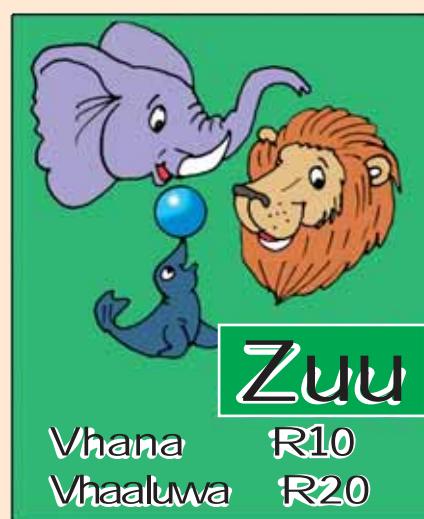
Vhaaluwa na vhana vhañwe vha ya zuu.
Vha renga thikhithi dza R90.

Vhana ndi vhangan? _____

Vhaaluwa ndi vhangan? _____

Hu na iñwe phindulo naa?

Vhaaluwa _____ Vhana _____



Teacher:
Sign:
Date:



Dethi:

.....

Themo ya |



Phetheni

Shumisani bodo iyi ya nomboro ya 200 kha u fhindula mbudziso

I	2	3	4	5	6	7	8	9	10
II	I2	I3	I4	I5	I6	I7	I8	I9	I0
I1	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	I00
I0I	I02	I03	I04	I05	I06	I07	I08	I09	I10
I1I	I12	I13	I14	I15	I16	I17	I18	I19	I20
I2I	I22	I23	I24	I25	I26	I27	I28	I29	I30
I3I	I32	I33	I34	I35	I36	I37	I38	I39	I40
I4I	I42	I43	I44	I45	I46	I47	I48	I49	I50
I5I	I52	I53	I54	I55	I56	I57	I58	I59	I60
I6I	I62	I63	I64	I65	I66	I67	I68	I69	I70
I7I	I72	I73	I74	I75	I76	I77	I78	I79	I80
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 nna dzi no tevhela kha phetheni idzi dza nomboro. Kha larani phetheni idzi kha bodo ya nomboro.

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



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

Uvhalela nqa thanu.

Uvhalela nqa mbili.

U vhalela nqa tharu.

U vhalela nqa mahumi.



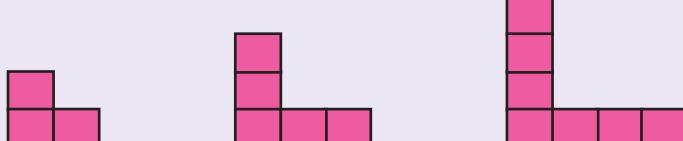
Tharamudzani phetheni



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



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



Teacher:
Sign:

Date:

10



Themo ya I

Bola, zwibogosi na silinda



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



Khalarani phindulo i re yone.



Bogosi li a

swenda

kunguluwa



Silinda li a

swenda

kunguluwa



Bola li a

swenda

kunguluwa



Khalarani phindulo i re yone.

lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)
lumemetswititi	lumemetswititi	lumemetswititi	lumemetswititi
lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)	lumeme lwa tshipulumbu (khulungwa)
lumemetswititi	lumemetswititi	lumemetswititi	lumemetswititi



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

	murahu ha	phanda ha
	tsini na	ntsha ha
	murahu ha	phanda ha
	tsini na	ntsha ha
	murahu ha	phanda ha
	tsini na	ntsha ha

Teacher:
Sign:
Date:



Dethi:

.....

Themo ya |



U ola zwivhumbeo

Thiraiengele



Tshitendeledzi



Tshikwea

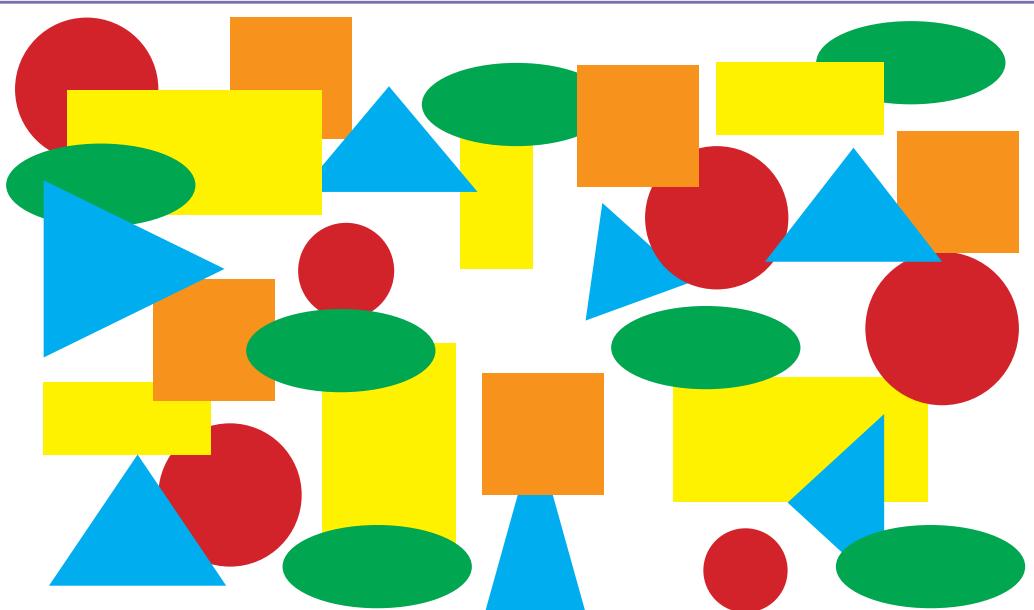
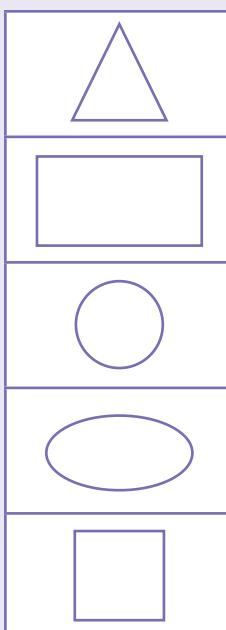


Rekithiengele



U vhala zwivhumbeo

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



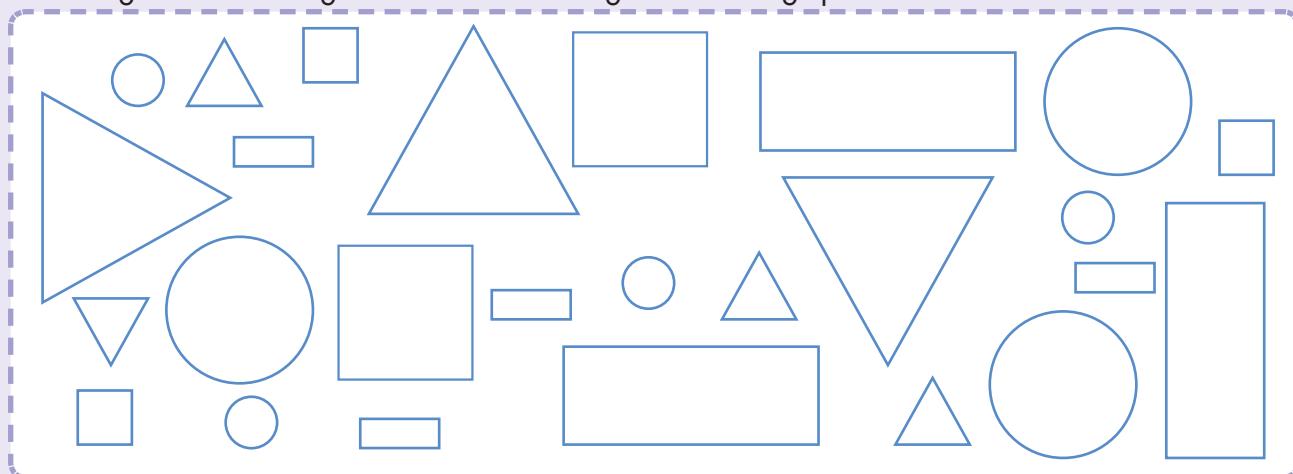
1 2 3 4 5 6 7 8 9 10

||||| ||||| ||||| ||||| |||||



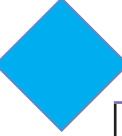
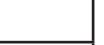
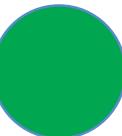
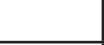
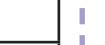
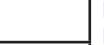
Kħalarani zwotħe

zwitendeledzi zwiħulwane nga muvhala mutswuku; zvitendeledzi zwiżuku nga mudala;
thiraiengele khulwane nga wa lutombo; thiraiengele tħukhu nga tshitopana;
zvikwea zwiħulwane nnga tħadd; zwikwea zwiżuku nga phephulu;
rekithiengħe khulwane nga buraweni; rekithiengħe 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? Kħalarani phindulo i re yone.

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



Teacher:
Sign:
Date:

12



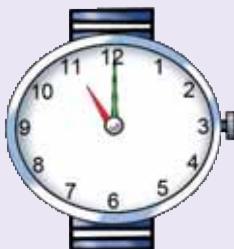
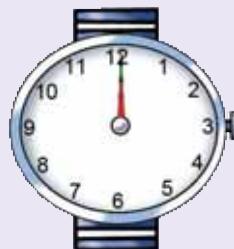
Dethi:



Utshimbila 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

Olani mañanga ni tshi sumbedza zwifhinga.



kotara u bva kha
awara ya 6



hafu u bva kha
awara ya 8



kotara u ya kha
awara ya 11



hafu u bva kha
awara ya 5



Zander u ya tshikoloni.



Ubva hayani.



U swika tshikoloni.

Zander u dzhia tshifhinga tshingafhani? _____



Duvha la u baka

Vho Maria vha baka vhurotho.



Vhurotho vhu dzhena 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 itshi luvhili.
Ndi awara nngana dzine Zander a fhedza u swika tshikoloni? _____



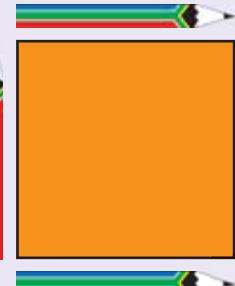
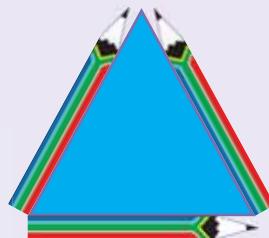
Teacher: Sign:
Date:

13

Dethi:

Themo ya |

Upima vhulapfu/vhunavho



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

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



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

Rekithiengele iyi i na vhulapfu vhungafhani ha penisela?



Rekithiengele iyi i na u ḫandavhuwa vhungafhani ha penisela?



vhulapfu



vhuphara

No shumisa penisela nga ndilade kha u vhala?

1 2 3 4 5 6 7 8 9 10

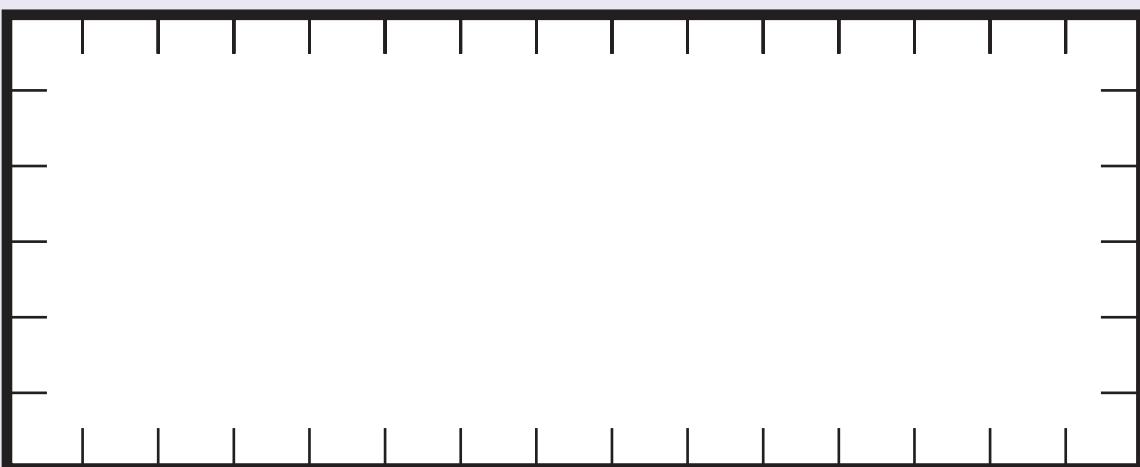


Tshibulebule tsha vhulapfu

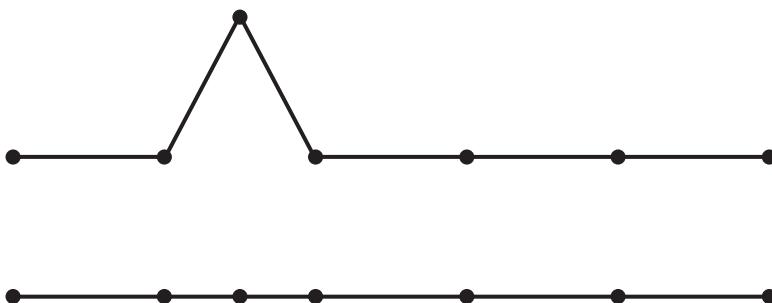
- a. Ndi mitalo mingana miset̄ha
ine na i ṭoda uri ni kone u tiba mutalo mutswu?



- 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? _____



Teacher: _____
Sign: _____
Date: _____

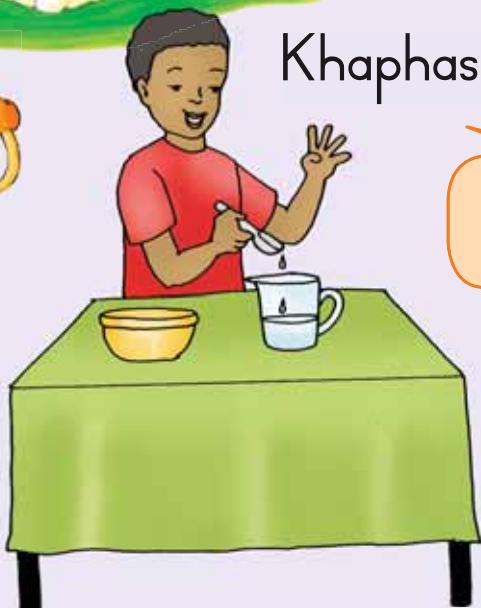
14



Dethi:



Khaphasithi (ndadzo)



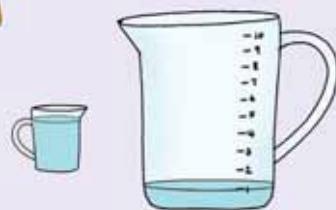
Ndo no shela
lebula nna
khaphuni

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



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

a.



Kha tshifaredzi:

Hu ḥodea hafhu:

b.



Kha tshifaredzi:

Hu ḥodea hafhu:

c.



Kha tshifaredzi:

Hu ḥodea hafhu:

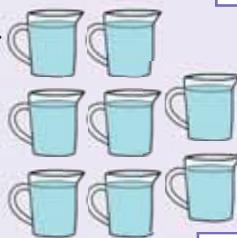
d.



Kha tshifaredzi:

Hu ḥodea hafhu:

e.



Kha tshifaredzi:

Hu ḥodea hafhu:

f.

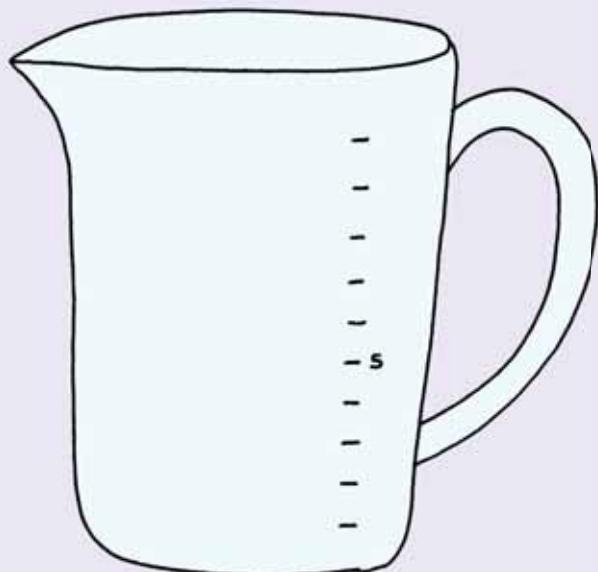


Kha tshifaredzi:

Hu ḥodea hafhu:



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



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

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



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



Teacher:
Sign:

Date:



U ḫanganya na u ḫusa (tsheleme)

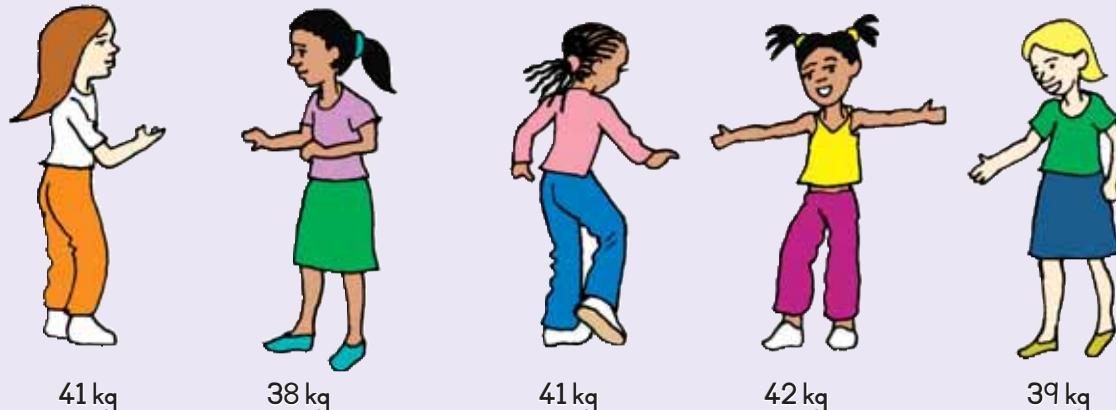
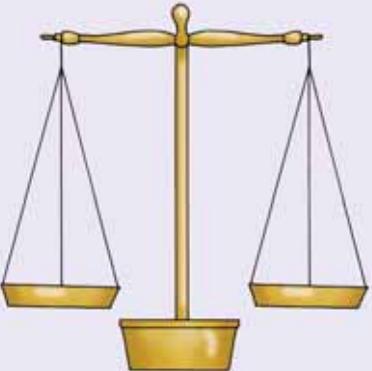


Kha ri kale tshileme tshashu!

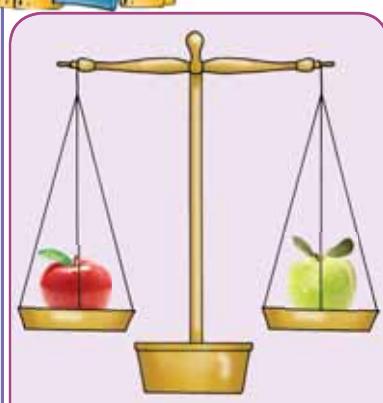
Kha u wana tshileme tshashu, uri ri **lemela** kana u **leluwa** zwingafhani, ri shumisa tshikalo.

Ri kala tshileme nga **dzikhilogireme**.

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



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

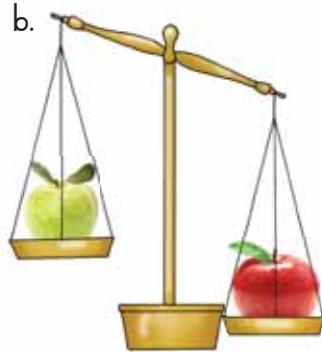


Ndi kha tshikalo tshifhio hune maapula vhuvhili hao a lemele u fana?



Fhindulani mbudziso. Nwalani a kana b.

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



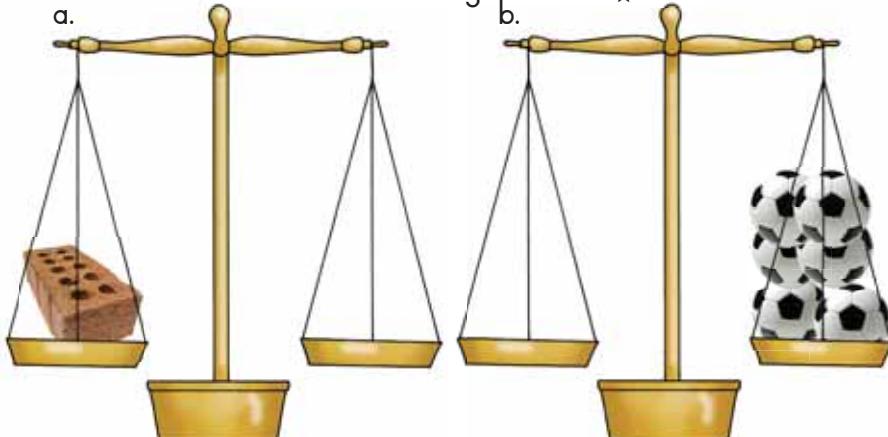


Linganyisani zwikalo

Ro dzula ro ni itela ya u thoma.



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



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



a. Phasela dza 2 _____

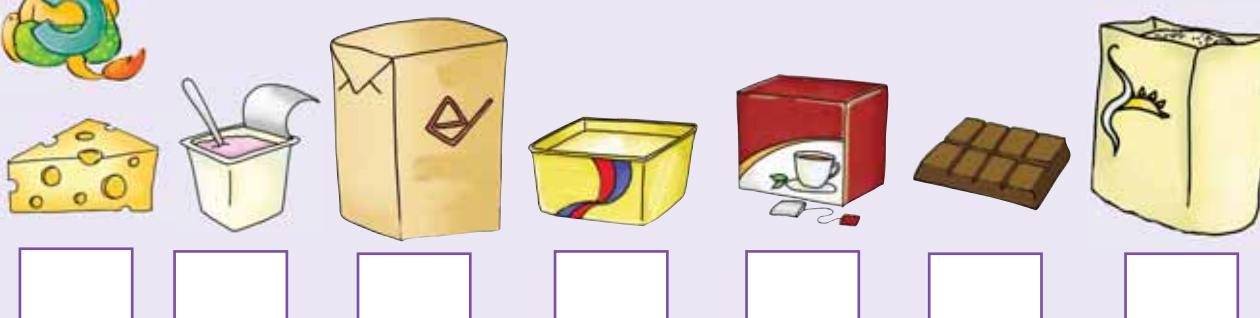
b. Phasela dza 3 _____

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

Ngani? _____



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



Teacher: Sign:
Date:

16



Dethi:



Zwienda kilasini

Vhalani tshiṭori

Thabo: Ndi zwavhuđi, mufumakadzana! Jack ndi muswonda!

U ambara saizi 6 ya zwienda!



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

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

Vhagudi vha nga bula saizi dzavho nga muthihi nga muthihi.

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

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

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

Dadzani thebulu i re afho fhasi.

Saizi dza zwienda zwi re kilasini

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

1 2 3 4 5 6 7 8 9 10



Zwino olani girafu ya
zwifanyiso (phikhithogirafu)



= mugudi muthihi

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



Zwino fhindulani mbudziso idzi.

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



Zwino inwivho?

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

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



○
□
△
Teacher: Sign: Date:

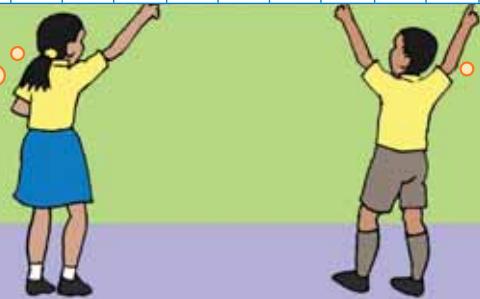
17

Dethi:

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 ifhio
i no rangela 84?
Ndi nomboro ifhio i
no tevhela 84?



Ndi nomboro ifhio
i re vhukati ha 88
na 90?



Dzhenisani nomboro dzi no khou t̄ahela.

51									
									67
71									
									100

Shumisani bodo ya nomboro kha u fhindula mbudziso.

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

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



Fhedzisani thebulu. Ni thome nga nomboro ye na newa.

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



Tangedzelani nomboro khulwanesa

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

Tangedzelani nomboro thukhusa

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



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

32 < 64 23 > 18

57 98 89 57



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



11 12 13 14 15 16 17 18 19 20



Dethi:



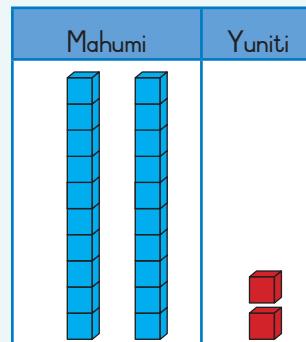
Vhuimo ha nomboro u swika kha 99

U sumbedza nomboro ni tshi shumisa zwithu

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

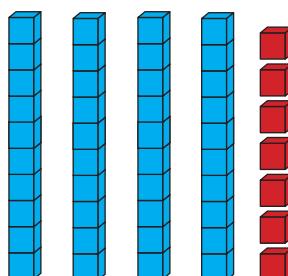
Tshibuloko tshituku tshi imela 1. Ndi yuniti.

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



Ni nga sumbedza nomboro ni tshi shumisa mahumi na yuniti.

Ni nga sumbedza **47** nga hei ndila.



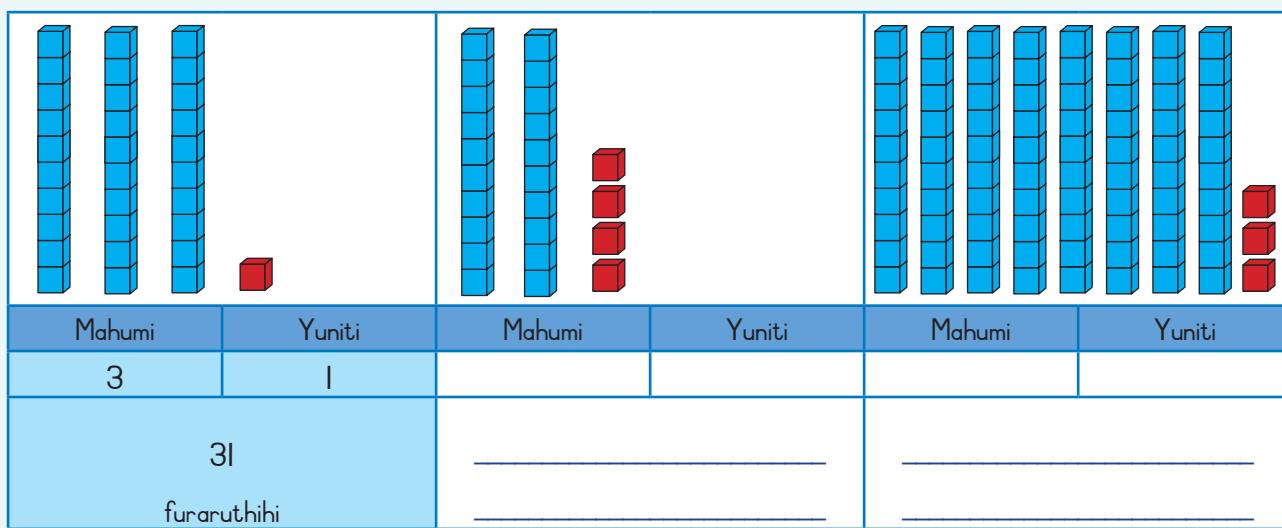
Mahumi	Yuniti
4	7

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.





20

6

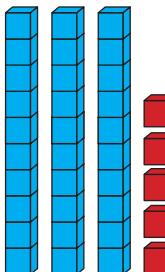
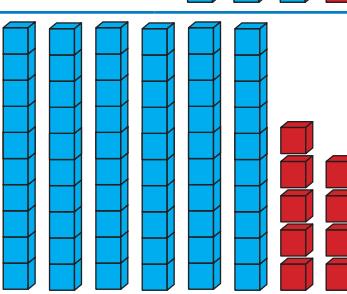
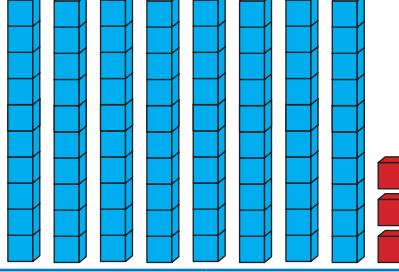
26

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

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



Nomboro ndi ifhio?

	<p>30 5</p> <p>35</p>	<table border="1"> <tr> <td>Mahumi</td> <td>Yuniti</td> </tr> <tr> <td>3</td> <td>5</td> </tr> </table> <p>furarutšhanu 35</p>	Mahumi	Yuniti	3	5
Mahumi	Yuniti					
3	5					
	 	<table border="1"> <tr> <td>Mahumi</td> <td>Yuniti</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p> <p>_____</p>	Mahumi	Yuniti		
Mahumi	Yuniti					
	 	<table border="1"> <tr> <td>Mahumi</td> <td>Yuniti</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p> <p>_____</p>	Mahumi	Yuniti		
Mahumi	Yuniti					



|q

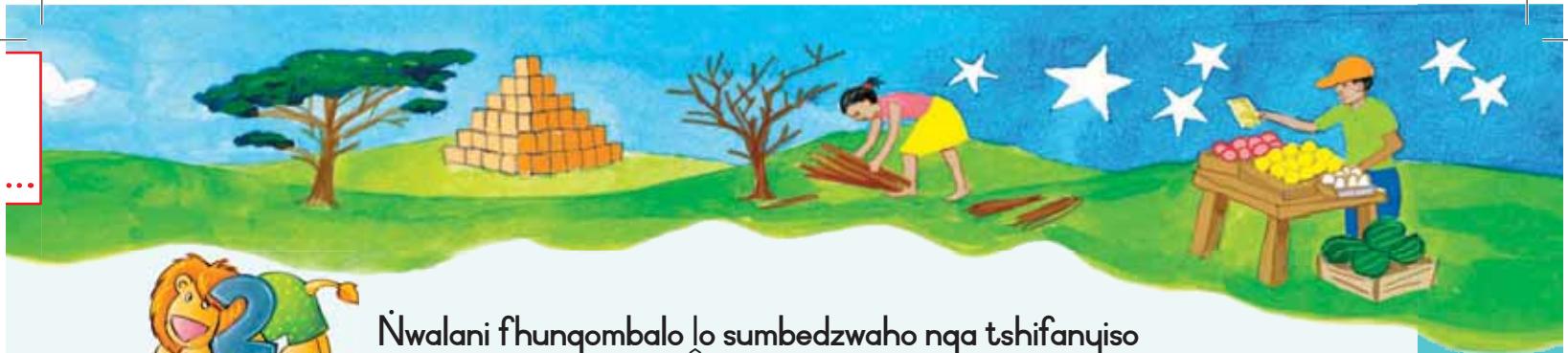


U vhea mahumi fhethu huthihi musi ri tshi ḥanganya na 99

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

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

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



Nwalani fhungombalo lo sumbedzwaho nga tshifanyiso

Mahumi	Yuniti	Mahumi	Yuniti	Mahumi	Yuniti
<input type="text"/>					
10 + 5 + 6		— + — + —		— + — = —	

Fhedzisani zwifanyiso. Nwalani mafhungombalo a re tshifanyisoni.

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



20a

Dethi:

Themo ya |

Tanganyani kha mutalombalo

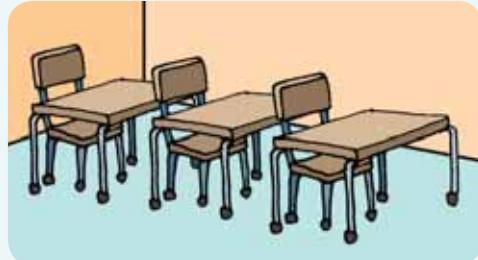
Dzulani desiken iyanu!

Tshikoloni tshashu mugudi muñwe na muñwe u na desike yawe.

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

kha Gireidi 3B.

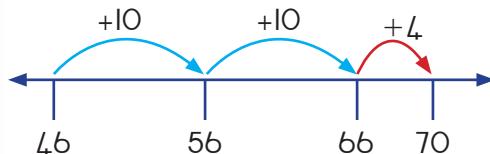
Ndi desike nngana dzine ra ṭoda kīlasini vhuvhili hadzo?



Shumani na muñwe nga inwi

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

Fhedzisani mbalo ni tshi shumisa tsumbo iyi.



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

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

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

Sumbedzani nga garata dzañu dza nomboro.

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

$$= 56 + 10 + 4$$

$$= 66 + 4$$

$$= 70$$

Ndi tea u
ṭanganya 24
kha 46.



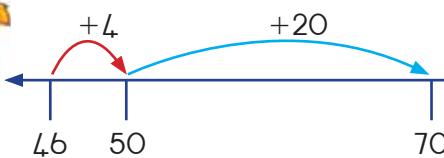
a. $32 + 25 =$

← →



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 garaña dzañu dza nomboro.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 =$



20b

Dethi:

Themo ya |

Tanganyani kha mutalombalo (hu iswa phanda)

b. $57 + 19 = \square$



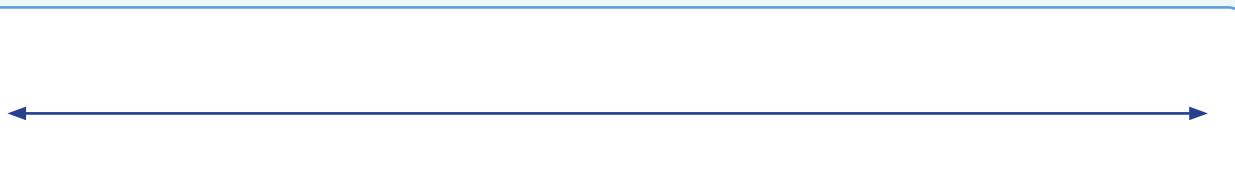
A number line starts at 46, goes up to 66, and then up to 70. A blue curved arrow above the line goes from 46 to 66, labeled '+20'. A red curved arrow goes from 66 to 70, labeled '+4'. To the right of the number line is a thought bubble containing the text: "Ndi tea u tanganya 24 kha 46." Below the number line is a portrait of a young boy.

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.

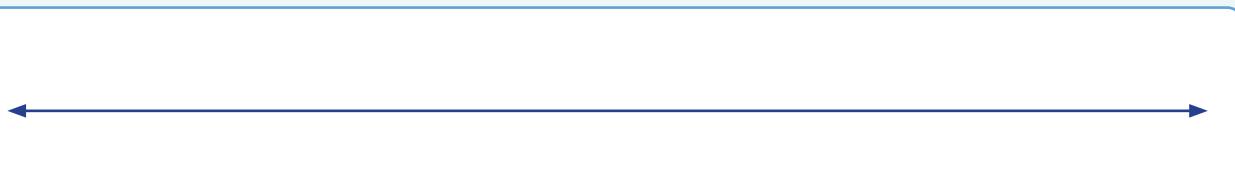
Ri nga kha di shumisa na garaṭa dza nomboro

$$\begin{aligned} &= 46 + 20 + 4 \\ &= 66 + 4 \\ &= 70 \end{aligned}$$

a. $63 + 24 = \square$



b. $65 + 29 = \square$





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 dzothe?

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



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

$38 + 24 =$

$58 + 17 =$



$75 + 16 =$

$83 + 29 =$



2la

Dethi:

Themo ya |

Tusani kha mutalombalo

Mugudi muthihhi! Rula nthihhi!

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

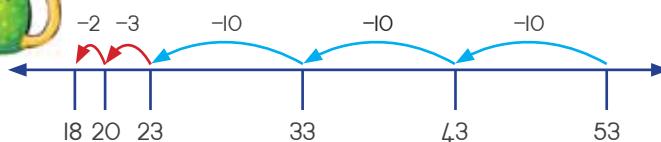
Ndi nngana dzine ra dici toda? $53 - 35 =$



Shumani na muñwe nga inwi

Vhalani uri vhagudi vhararu vhenevhala vhathihi vha shumisa hani mutalombalo afha.

Fhedzisani thanganyelo ni tshi shumisa tsumbo.



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



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

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

$$= 18$$



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

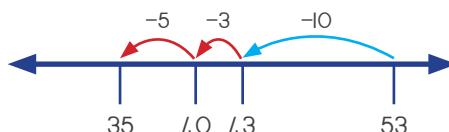
← →

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

← →

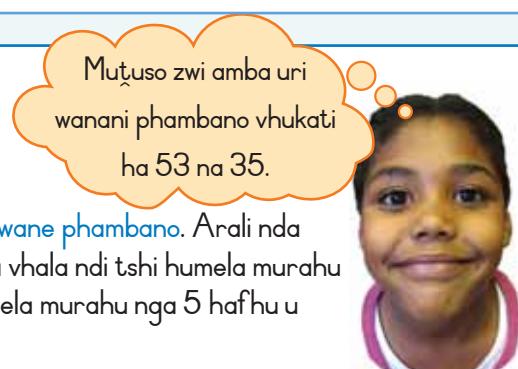
c. $92 - 87 = \boxed{}$

← →



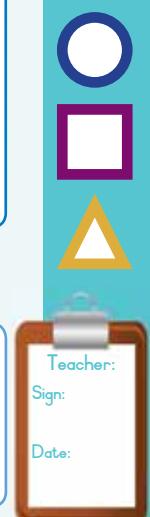
Ndi do thoma kha 53 nda vhala ndi tshi **humela kha** 35 uri **ndi wane phambano**. Arali nda vhala ndi tshi humela murahu nga 10, ndi swika kha 43. Ndi nga vhala ndi tshi humela murahu nga 3 haf'hu u swika kha 40. U bva af'ho nda vhala ndi tshi humela murahu nga 5 haf'hu u swika kha 35.

10 ra ḫanganya na 3 ra ḫanganya na ḫhanu ndi **18**. Zwi amba uri ri ḫoda ruļa dziňwe dza 18.



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

← →



2lb

Dethi:

Themo ya |

Tusani kha mutalombalo (hu iswa phanda)

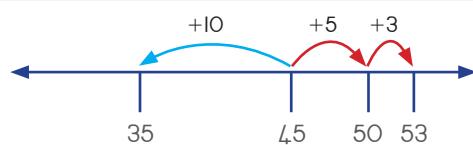
b. $65 - 43 =$



c. $72 - 39 =$



d. $85 - 48 =$



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



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

a. $84 - 32 =$





b. $96 - 53 =$

← →

c. $78 - 19 =$

← →

d. $63 - 47 =$



U tshimbila nga thekhisi

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

U swika zwino thekhisi yo tshimbila km dza 38.

Ho sala tshikhala tshingafhani?

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



← →

km



Teacher:

Sign:

Date:



Ndi tshif hinga 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 ንwale uri ndi khonani nngana dzo nangaho lushaka luñwe na luñwe lwa zwiliwa.

Nomboro				



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

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



😊			
😊			
😊			
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A horizontal ruler scale with tick marks every 1 unit. The numbers 11 through 20 are placed above the ruler, each aligned with its corresponding tick mark.

23

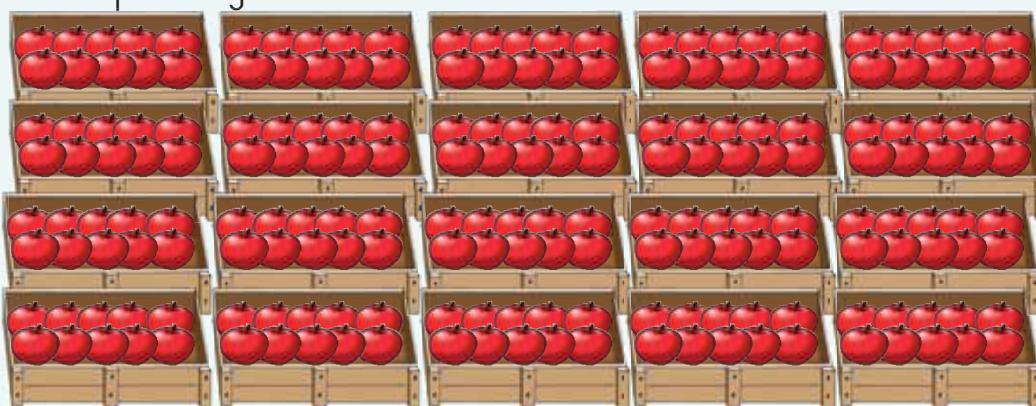
Dethi:

Themo ya I



U vhalala u swika kha 200

Ndi maapula mangana ane na kona u a vhona?



Dzhenisani nomboro

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

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

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

Rou dza $\frac{1}{10}$ 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?

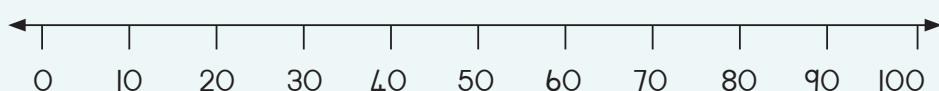


Zwisumbedzeni kha mutualombalo.

a. Hu do vha na maapula mangana mabogisini matanu?



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





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

zwithopho zwa 5 zwa 10 zwi ita – = kana =

zwithopho zwa 2 zwa 10 zwi ita – = kana =

Phere dza 5 dza milenzhe.

Hu na zwikunwe zwingana zwo ṭangana zwot^he?



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

kana $10 \times 5 =$

Shumisani ndila yeneyi kha u shuma hedzi.

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

= \times = kana \times =

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

= \times = kana \times =



Kha ri vhale (vhalele)

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

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



11 12 13 14 15 16 17 18 19 20

24

Dethi:

Themo ya |

U ita ndowendowe nga 5



Hu na khovhe nngana? Anganyelani



Zwino vhalani khovhe. Wanani ḫhanganyelo.



Vhalani nga 5

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

Khovhe na makumba	Hu na makumba mangana o ḫangana othe?	
Khovhe dza 5, iñwe na iñwe i kudzela makumba a 2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
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



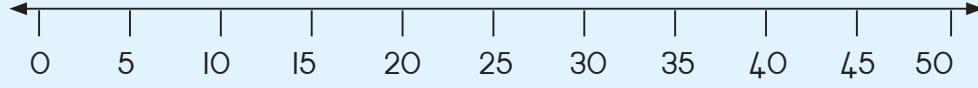
$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35} \text{ kana } \boxed{7} \times \boxed{5} = \boxed{35}$$

a.



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

b.



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

c.



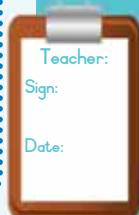
$$\underline{\quad} + \underline{\quad} = \boxed{\quad} \text{ kana } 10 \times 5 = 50$$



Urea khovhe

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

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



25a

Dethi:

Themo ya |



U vhalala masogisi

Vhalani nga 2



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



U vhala phere dza masogisi

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

Masogisi	Tshivhalo tsha phere	Tshivhalo tsha sogosi	Ho sala sogisi nthihi
			
			
			
			
			



Teacher:
Sign:
Date:

25b



Dethi:

Themo ya |



Uvhala nga 2 (u iswa phanda)

Ufhaṭa 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.

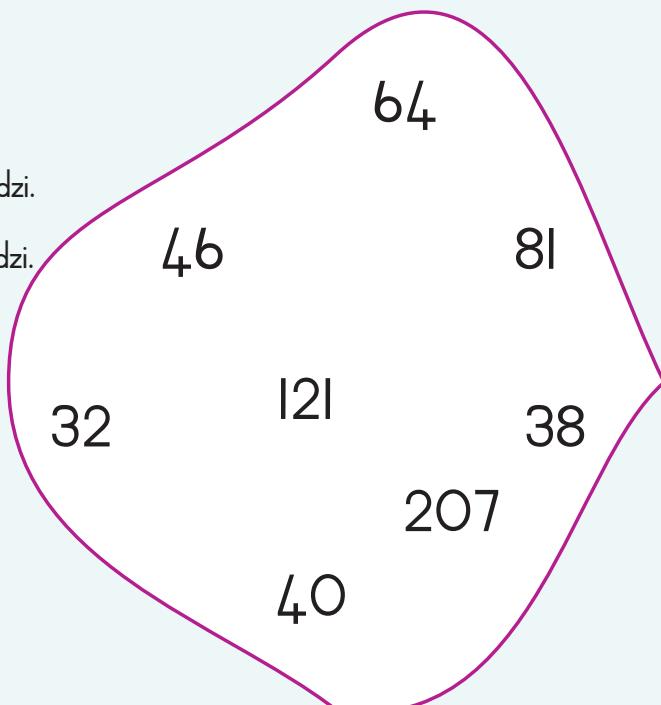
3, 5, 7,



Dziodo na dziiivini

Tangedzelani nomboro dza ivini nga zwitendeledzi.

Tangedzelani nomboro dza odo nga zwitendeledzi.





Ubva kha phere u ya kha masogisi



Tsumbo:

Sogisi dza 2 = phere ya 1 

$$2 \times 1 = 2$$

Sogisi dza 20 = phere dza 10

$$2 \times 10 = 20$$

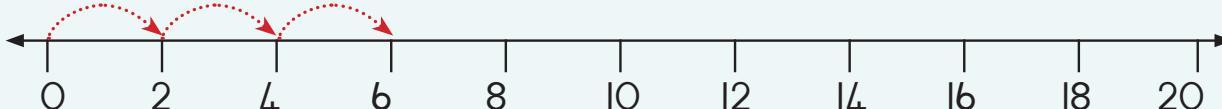
a. Nwalani uri ndi masogisi mangana.

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

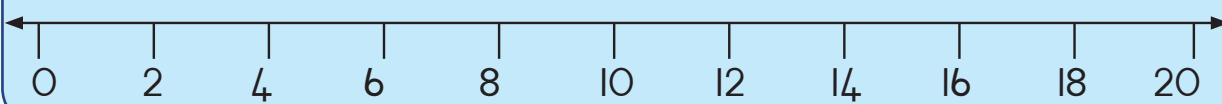
b. Sumbedzani mbalo kha mutalombalo ni fhedzise.

Tsumbo:

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



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



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 1 yo vha i thukhusa, ha tevhela ya 2 senthe
ha kona u da 5 senthe.





Vhalani masenthe

Vhalani masenthe.

Ndi masenthe mangana ane na vha nao?

Hu todea manwe mangana uri a ite R1,00?

A oleni kha tshibuloko



Ndi masenthe mangana?

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



Tshi dura vhugai?



ya 2 i ita R4,00.

Ni wana miomva mingana nga R20,00?



a 2 a ita R2,00.

Ni wana maqpula mangana nga R9,00?



27



Dethi:

U vhala nga 3



Malinga nga 3



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



thiraisaikili dza 5 dzi na malinga a _____

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

thiraisaikili dza 2 dzi na malinga a _____

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

thiraisaikili dza 4 dzi na malinga a _____

thiraisaikili dza 6 dzi na malinga a _____

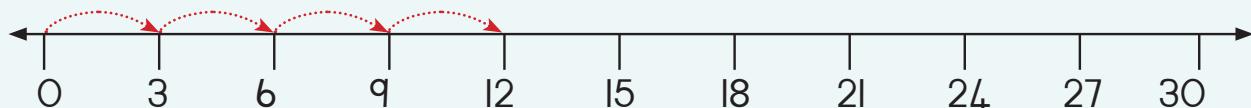
thiraisaikili dza 9 dzi na malinga a _____

thiraisaikili dza 8 dzi na malinga a _____



Mitalombalo

Tevhedzani tsumbo



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



b.

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

c.

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

d.

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



Baisigira dza malinga mavhili na baisigira dza malinga mararu



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

Hu na baisigira nngana dza malinga mavhili? _____

Hu na baisigira dza malinga mararu nngana? _____



28

Dethi:

Themo ya |

Ndi zwifhio zwi no tshimbila nga 4?



Milenzhe miña

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



Milenzhe ya kholomo ndi 4.

Ndi mini tshiñwe hafhu tshine tsha vha zwiñazwiñā? _____



Uvhala milenzhe

Kovhanani phindulo.
 Talutshedzani zwe na ita.

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

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



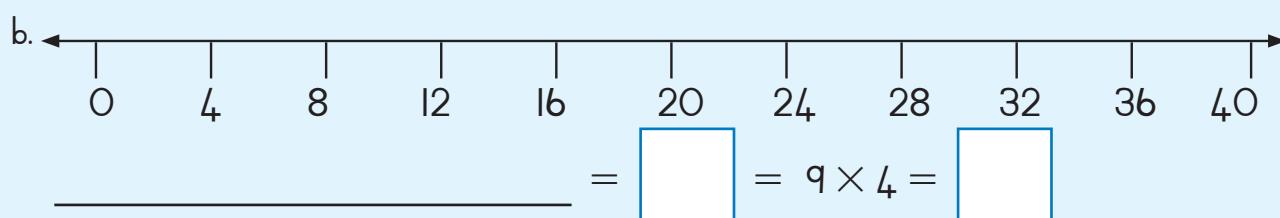
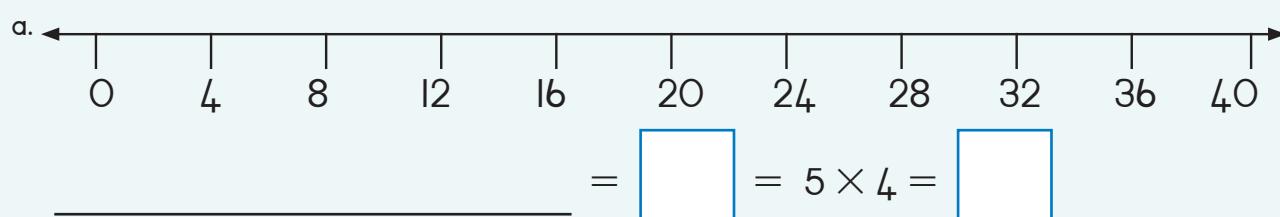
Fhedzisani thebulu i re afho fhasi.
Shumisani tsumbo uri l i ni dedeze.

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



Mitalombalo

Fhedzisani zwi tevhelaho ni zwi sumbedze kha matalombalo.



29



Phetheni dza nomboro



Phetheni dza qiridi

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

Olaní zwitendeledzi zwiñwe nqa nt̄ha ni tshi fhedzisa phetheni iñwe na iñwe.

Nwalani dzina la phetheni iñwe na iñwe.

q. Phetheni:

A 10x10 grid of squares. There are 10 black dots placed vertically along the right edge of the grid. The first dot is in the 5th row, and each subsequent dot is in the next row down, ending at the 14th row. The rest of the grid is empty.

b. Phetheni:

c. Phetheni:

A Go board diagram illustrating a game setup or a specific strategy. The board is a 19x19 grid. Black stones are placed at the following intersections:

- (1, 1) [Top-left corner]
- (1, 5)
- (1, 9)
- (1, 13)
- (1, 17)
- (5, 1)
- (5, 5)
- (5, 9)
- (5, 13)
- (5, 17)
- (9, 1)
- (9, 5)
- (9, 9)
- (9, 13)
- (9, 17)
- (13, 1)
- (13, 5)
- (13, 9)
- (13, 13)
- (13, 17)
- (17, 1)
- (17, 5)
- (17, 9)
- (17, 13)
- (17, 17)
- (11, 11)
- (15, 15)

d. Phetheni:

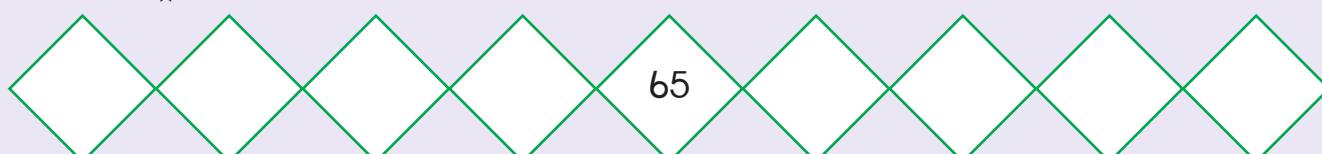


U ita phetheni dzañu inwi muñé

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



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



Dzi wela ngafhi?



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



Lwanzheni

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

Thembi u na khamba nngana ? _____.



Teacher:
Sign:
Date:

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

30a

Dethi:

Themo ya |

Mukovho



Kovhani malegere



- a. Kovhelani vhana vha 2 malegere a 30.



Ri nga i nwala sa

$$30 \div 2 = 15$$

- b. Kovhelani vhana vha 3 malegere.



$$\div =$$

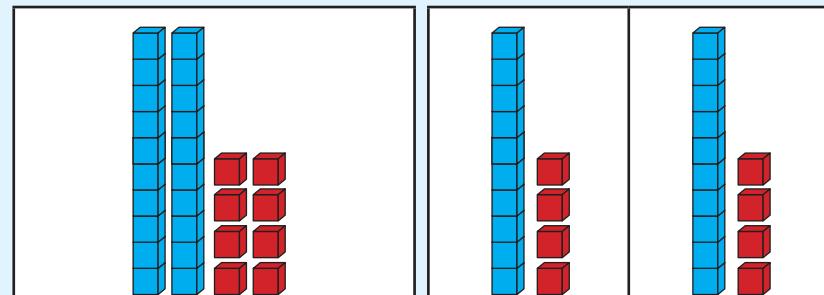
- c. Kovhelani vhana vha 5 malegere.



$$\div =$$



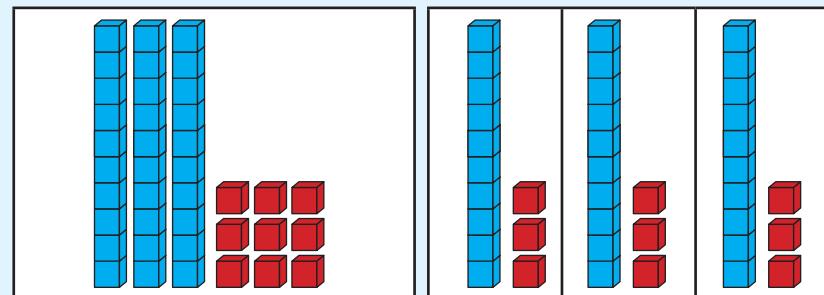
Ri nga shumisa zwibuloko zwa nomboro kha mukovho.



$$\begin{array}{r} 2 \ 8 \\ \div \ 2 \\ = \ 1 \ 4 \end{array}$$

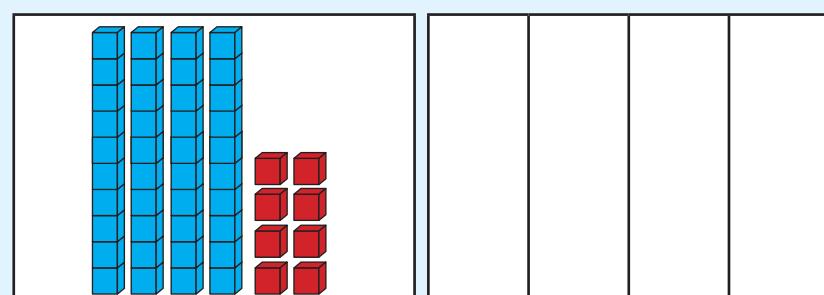
Zwino shumani hedzi.

a.



$$\begin{array}{r} \square \ \square \\ \div \ 3 \\ = \ \square \ \square \end{array}$$

b.



$$\begin{array}{r} \square \ \square \\ \div \ 4 \\ = \ \square \ \square \end{array}$$



Teacher:
Sign:
Date:

30b

Dethi:

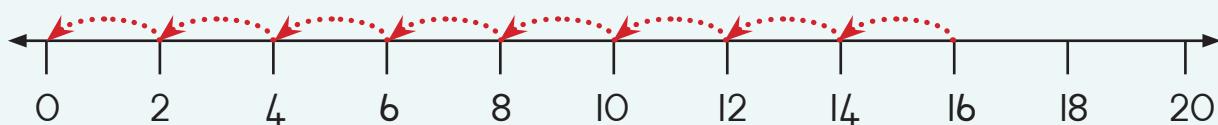
Themo ya I

Mukovho (dzi iswa phando)



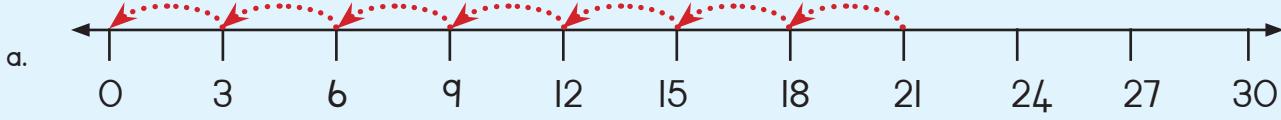
Shumisani mitalombalo kha u kha u nwala fhungombalo la mutuso na la mukovho.

Tsumbo:



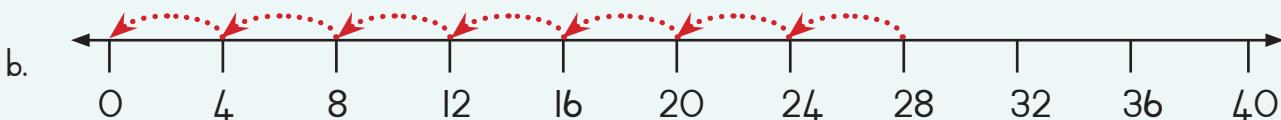
$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$



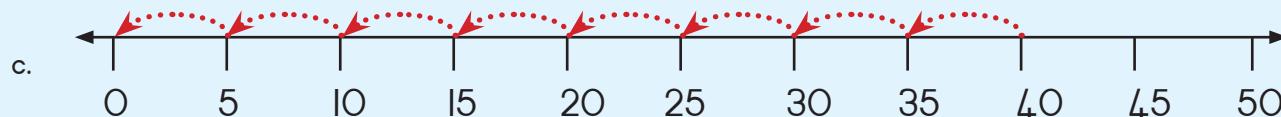
$$21 - \underline{\quad} =$$

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



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

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



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

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



Talani mutalombalo ni u saukanye.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



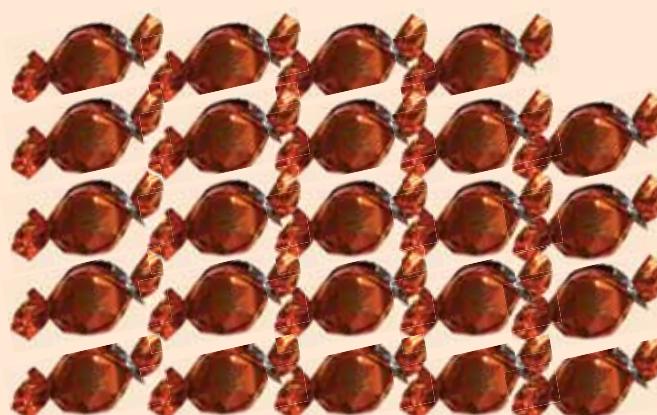
e. $25 \div 5 =$



Khaedu

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

Nwalani fhungombalo ni tshi
sumbedza phindulo.



Teacher:
Sign:
Date:

3I

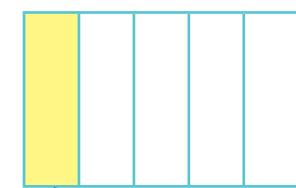
Dethi:

Themo ya |

Furakhisheni (zwipida)

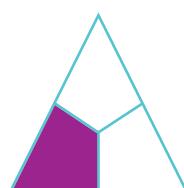


Livhanyani tshivhumbeo na furakhisheni.



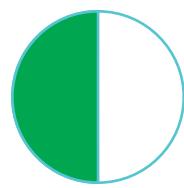
Tshararu

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



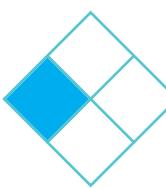
Tshathantu

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



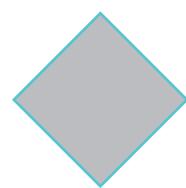
Kota nthihi

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



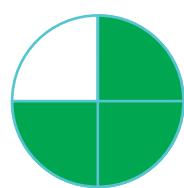
Hafu nthihi

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



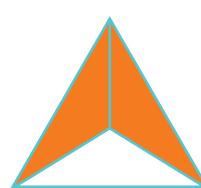
Kota tharu

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



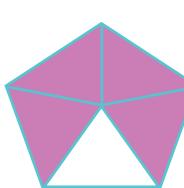
Tshainathantu

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



Nthihiyothé

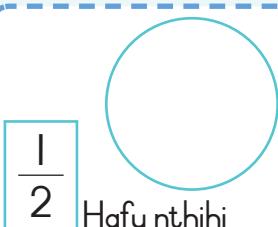
$$1$$



Tshambiliraru

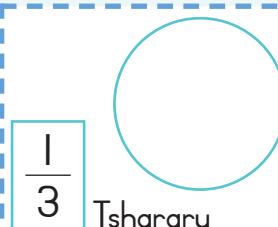
$$\frac{2}{3}$$

Kovhani ni khalare tshivhumbeo ni tshi sumbedza furakhisheni:



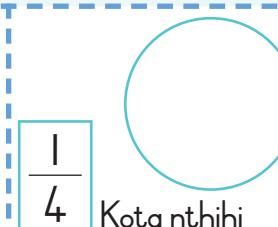
$$\frac{1}{2}$$

Hafu nthihi



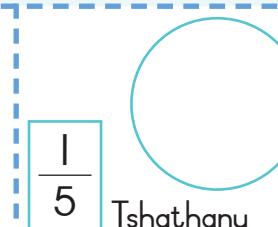
$$\frac{1}{3}$$

Tshararu



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

Kota nthihi



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

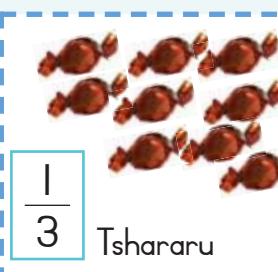
Tshathantu

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



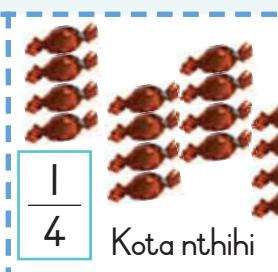
$$\frac{1}{2}$$

Hafu nthihi



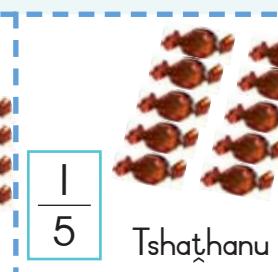
$$\frac{1}{3}$$

Tshararu



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

Kota nthihi



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

Tshathantu



Kovhelani vhana vhavhili zwivhaleli.

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



Kovhelani vhana zwivhaleli.

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



Teacher:
Sign:
Date:

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Themo ya |



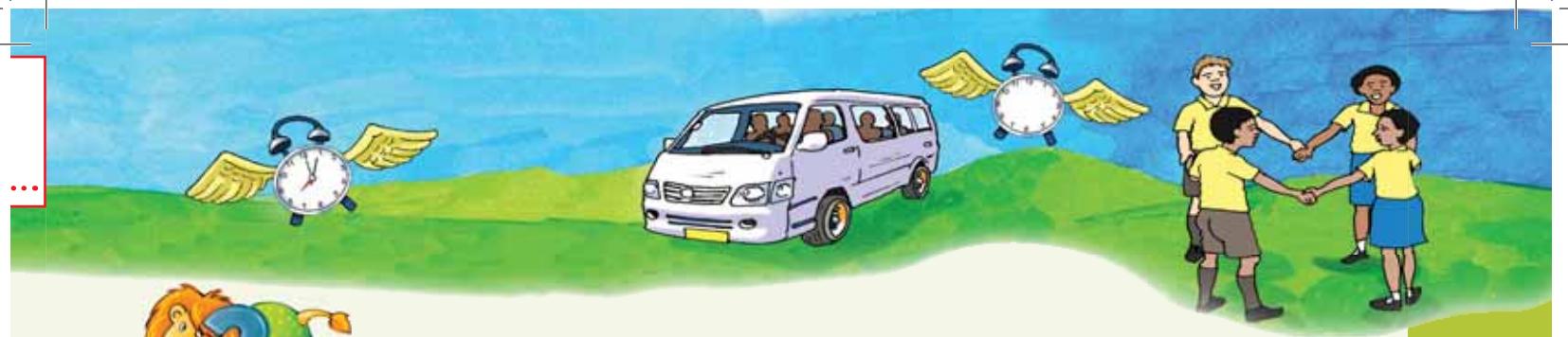
Ri mona sa watshi

Ri nga nwalani tshifhinga tshithihi nga ndila dzo fhambanaho.

<p>2:15 minete ya fumi_{hanu} u bva kha awara ya vhuvhili</p>	<p>5:30 minete ya mahumi mararu u bva kha awara ya vhut_{hanu}</p>	<p>9:45 minete ya mahumi ma_{na} na mi_{hanu} u bva kha awara ya tahe</p>

Nwalani izwi nga ndila dzo fhambanaho.

_____	_____	_____



U ya hayani

Zwi dzhiela Ben tshifhinga tshingafhani u swika hayani?

miminete

awara



Ben u 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.

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

Dzi 16 dza Fulwi ndi Duvha la Vhaswa.

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

b. Ndi vhege nngana dzo fhelelaho dzo ḥangana? _____

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

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

Iolani. Vhambedzani.
Lulamisani.

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

Ndi nnyi muhulwane? _____ Nga mađuvha mangana? _____



11 12 13 14 15 16 17 18 19 20

33



Deithi:

Thagethe 200



Uvhala nomboro

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



Urwala 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; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____



Ńwalani nomboro dzi no khou t̄ahela

200

180

200		180					
50							110
							0

b 87

107

167

207

237



Fhedzisani

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

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



Uvhala ubva kha 100

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

Thomani

A sequence diagram showing the addition of 25 to 100 to reach 125, then 125 plus an unknown to reach 129, and finally 129 plus an unknown to reach 138.

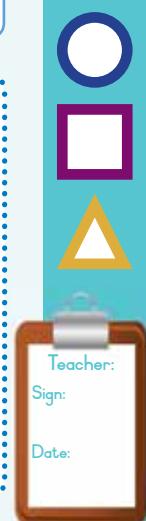
```
graph LR; A[100] -- "+25" --> B[125]; B -- "" --> C[129]; C -- "" --> D[138]
```

Gymnasi

```

graph LR
    I68[|I68|] --> I57[|I57|]
    I57 --> I51[|I51|]
    I51 --> I45[|I45|]

```



34



U shuma na zwigwada zwa nomboro



Upaka makhandela

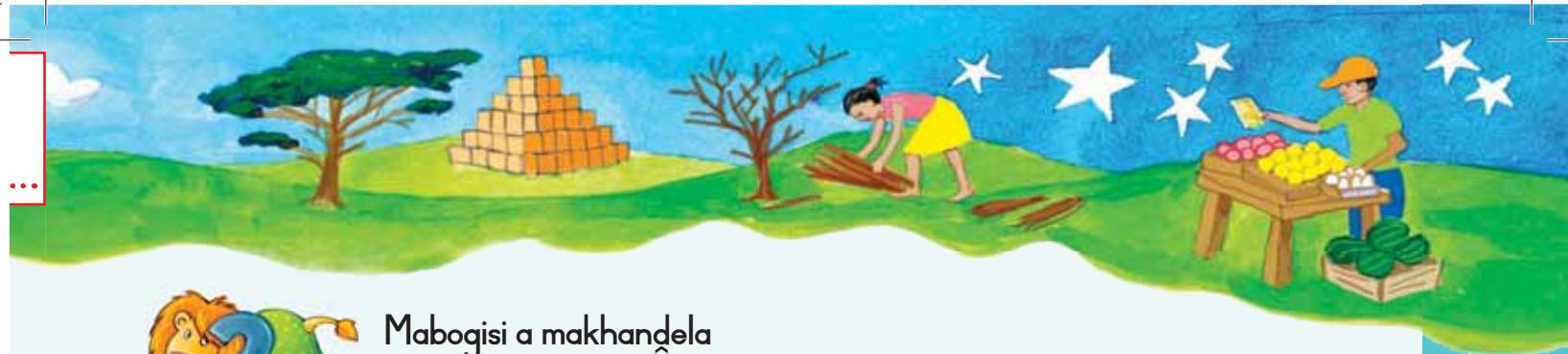
Vho Mankosi vha shuma l̄imagani l̄a makhandela.
Musi makhandela o no luga, vha a paka mabogisini a re kha dzi shelefū.



Hu na makhandela mangana bogisini l̄inwe na l̄inwe? _____

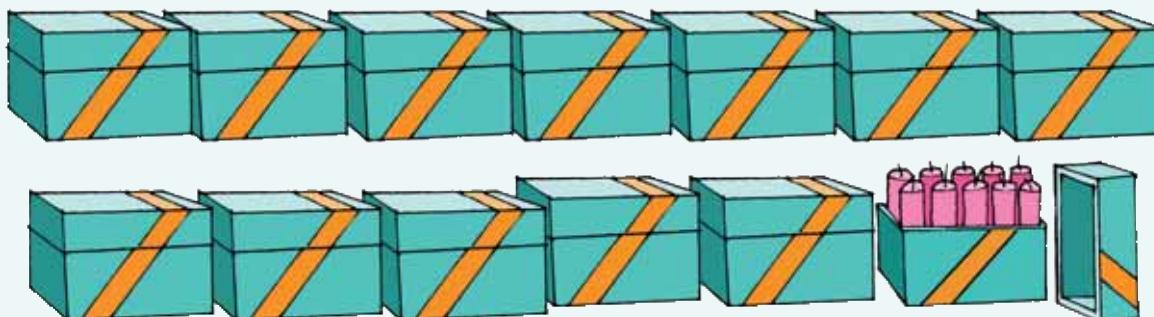
Hu na mabogisi mangana kha shelefū iñwe na iñwe? _____

Hu na makhandela manga kha shelefū iñwe na iñwe? _____



Mabogisi a makhandela

Vho Mankosi vha vala mabogisi .



- a. Vhalani mabogisi othe

Hu na mabogisi mangana? _____

Hu na makhandela mangana o tangana othe? _____

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

- b. Hu na makhandela mangana:

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

- c. Vha tanda mabogisi mangana:

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



35a

Dethi:

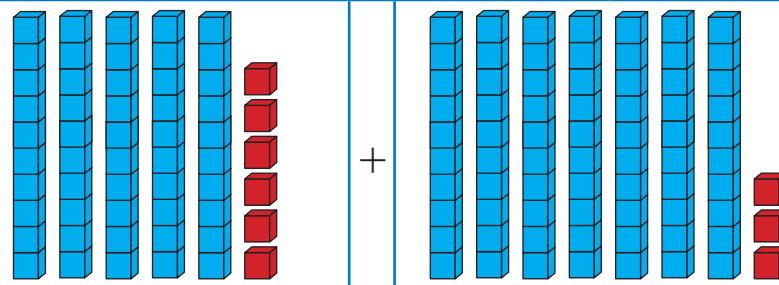
Themo ya 2



U vhea mahumi fhethu huthihi na u a fhandekanya

U vhea mahumi fhethu huthihi musi ri tshi ḥanganya kha qqq

Kha ri ḥanganye
 $56 + 73 =$



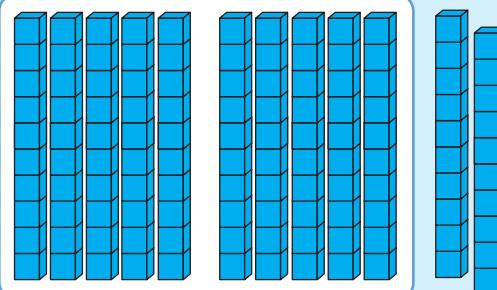
mahumi a 5 na yuniti dza 6

mahumi a 7 na yuniti 3

100

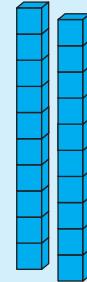
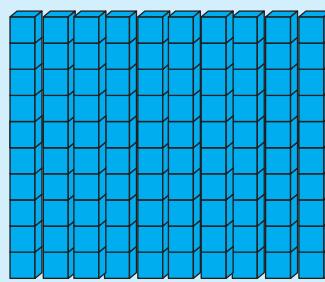
10

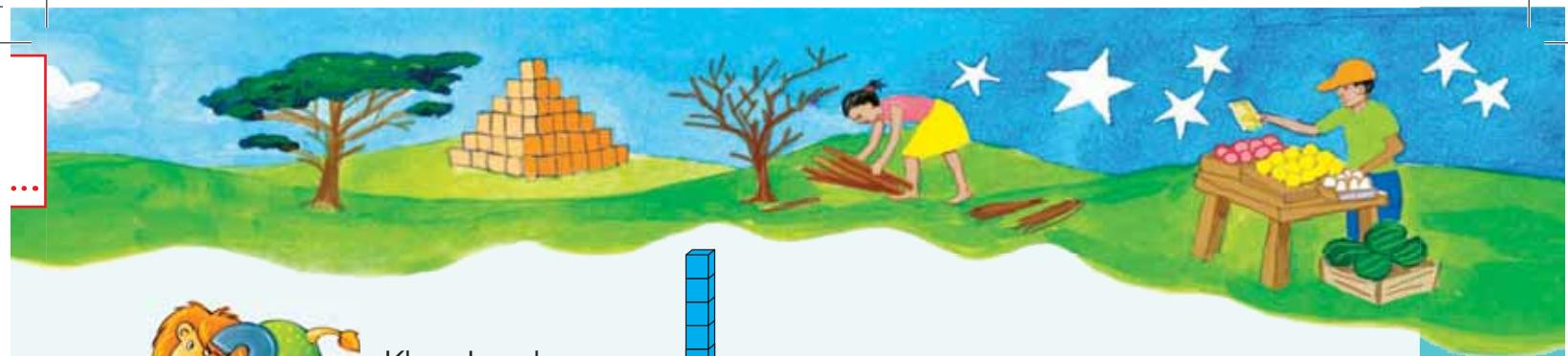
1



Zwo ḥangana ri na yuniti dza 12.

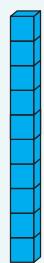
Ri nga vhea mahumi a 10 fhethu huthihi uri a ite ḫana ja 1.





Kha ri lingedze

Tsumbo: $82 + 34$



= kana =

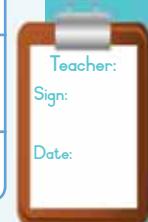


$$100 + 20 + 6 = 126$$

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



35b

Dethi:

Themo ya 2



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

U vhea zwigwada fhethu huthihi

U shumisa zwibuloko zwanu zwa vhuimo ha nomboro.

Shumisan zwibuloko zwa muteo 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 ____		

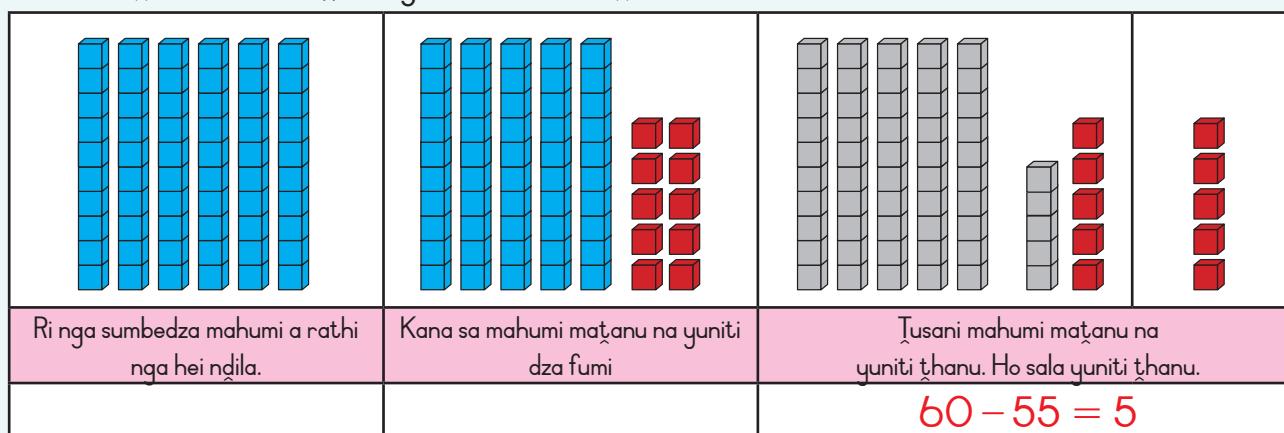


U fhandekanya mahumi musi ri tshi tusa

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

Kha ri tuse: $60 - 55 =$

Ri thoma nga mahumi a rathi na thihi nthihi. Ri khou todou tusa mahumi matanu na thihi thanu.
(Zwine ra tusa ro zwi khalara nga muvhala musetha)



1 2 3 4 5 6 7 8 9 10



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	



36



Themo ya 2



U ya ha dokotela wa mano

Tshigwada tsha vhana tshi dalela dokotela wa mano.



Vhana vha mu ḥalutshedza. hezwi = lwa |

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

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

	Luthihi nga ḫuvha	
	Luvhili nga ḫuvha	
	Luraru nga ḫuvha	

b. Ni nga ḥalutshedza zwifhio?

Vhunzhi ha vhana vha ṭamba mano _____ nga ḫuvha.

Hu na vhana vha _____ kha tshigwada.



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



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

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



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

37a



Tanganyani na u badekanya



U ንwala ተhanganyelo yaₖu

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

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

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

U ተanganya l a vhea fhasi garaₖta.

U a ዓivha uri: $50 + 70 = 120$.

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

nomboro ya didzhiti dza 3.

q

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

U i ንwala nga hei ndila:

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



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

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



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 inwe na inwe nga ndila mbili.

a. $86 + 62$

Ndila (kushumele) ya Malindi

$$80 + 60 + 6 + 2$$



Ndila (kushumele) ya Dumi

$$80 + 6 + 60 + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Shumisani ngona ya Aakar kha u shuma heyi mbalo.



37b



Dethi:

Themo ya 2



Tanganyani na u badekanya (hu iswa phanda)

Zwino kha ri tuse.

a. $87 - 53$

Ndila ya Malindi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



Ndila ya Dumi

$$80 + 7 - 50 + 3$$

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

$$= 30 + 4$$

$$= 34$$

b. $95 - 73$

c. $86 - 62$

d. $85 - 69$

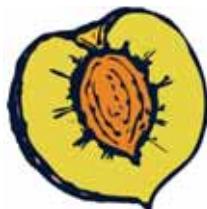


Thasululani!

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

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

Hu na maberegisi mangana o ḥangana oᬁhe?



- 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:

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Dethi:



Zwithivho zwa mabodelo

I tanduleni!

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



Sipho



Andile

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

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



Khontsati ya tshikolo



Musa



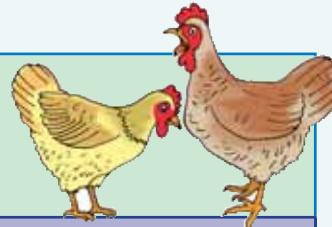
Mulalo u rengisa thikhithi. O thoma e na thikhithi dza 92. O sala na dza 67.

U swika zwino Musa o rengisa thikhithi nngana?

1 2 3 4 5 6 7 8 9 10



Ndowendowe dzinwe



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

Hu na khuhu nngana dzo ṭangana dzothé?

Vhalani uri Gugu na Aakar vho tandululisa hani thaidzo.

Ndila ya Gugu

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



Ndila ya Aakar

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

Ndi a ṭusa. Ni a divha
uri ndi ngani?



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

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar

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

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar



Teacher:
Sign:
Date:

39

Dethi:

Themo ya 2



U vhala na u vhalela

U wana tshipida

Nwalani nomboro dzi no khou ḫahela.

a.

100
27

b.

100
39

c.

100
43

d.

100
56

e.

200
140

f.

200
110

g.

200
135

h.

200
120

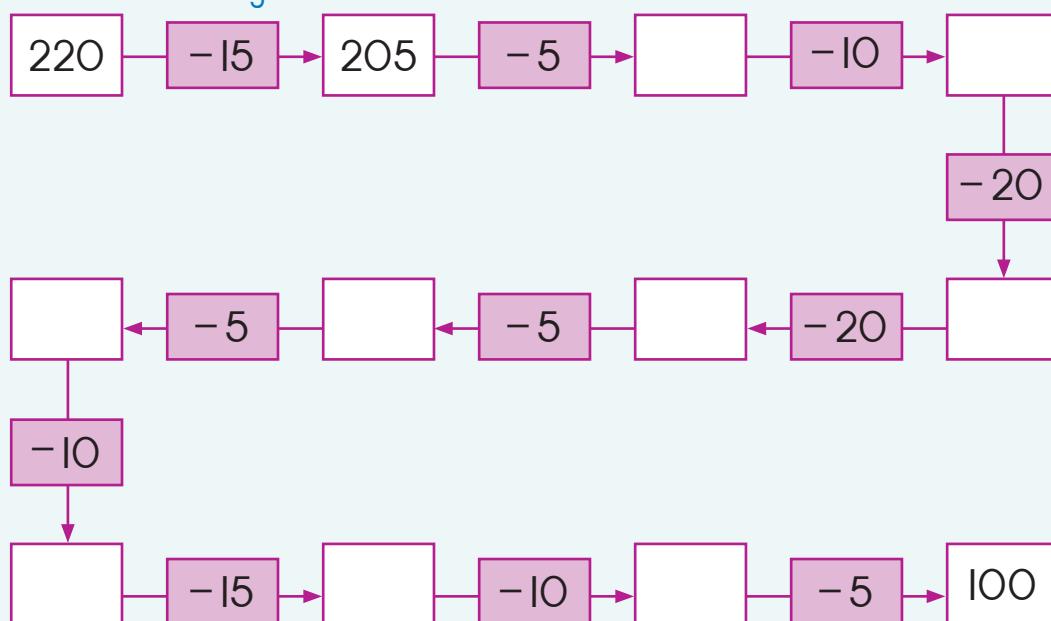


U bva 220 u ya kha 100

Tevhelani misevhe.

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

Ro dzula ro ni itela ya u thoma.



Ndila ya u ḫola phindulo dzañu khei.

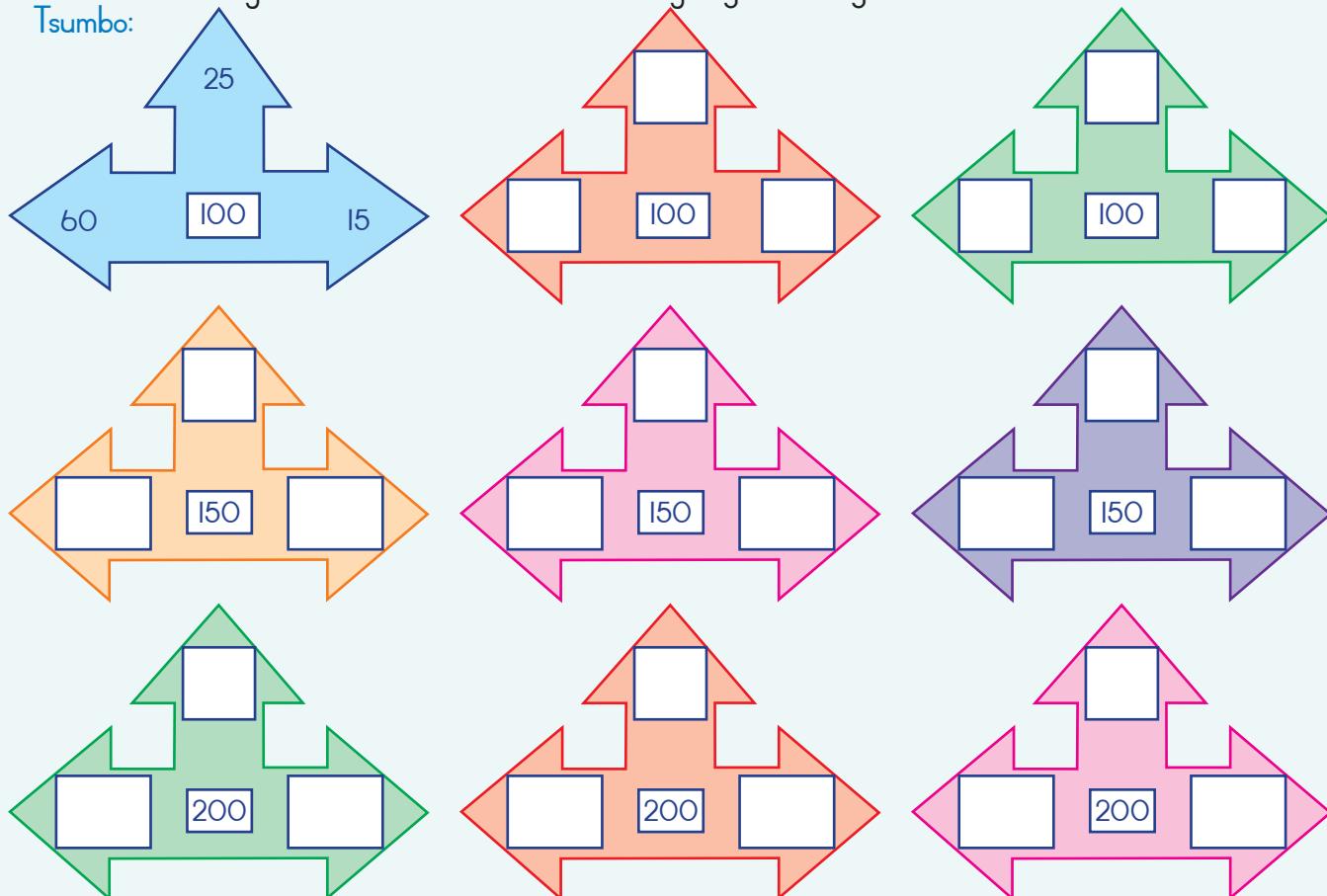
Thomani kha 100. Shumani ni tshi ya murahu kha 220.

Fhedzi zwino, ḫanganyani nomboro.



Miṭa ya vhararu

Tsumbo:



U fhira nga 50 na u vha fhasi nga 50

Nwalani phindulo kha rou ya 2.

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



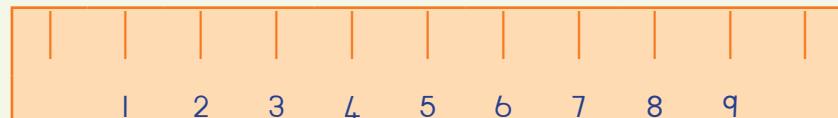
40



Themo ya 2



Senthimitha yo lapfa lungafhani?



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

Ri shumisa abiriviesheni kana tshiga cm.

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

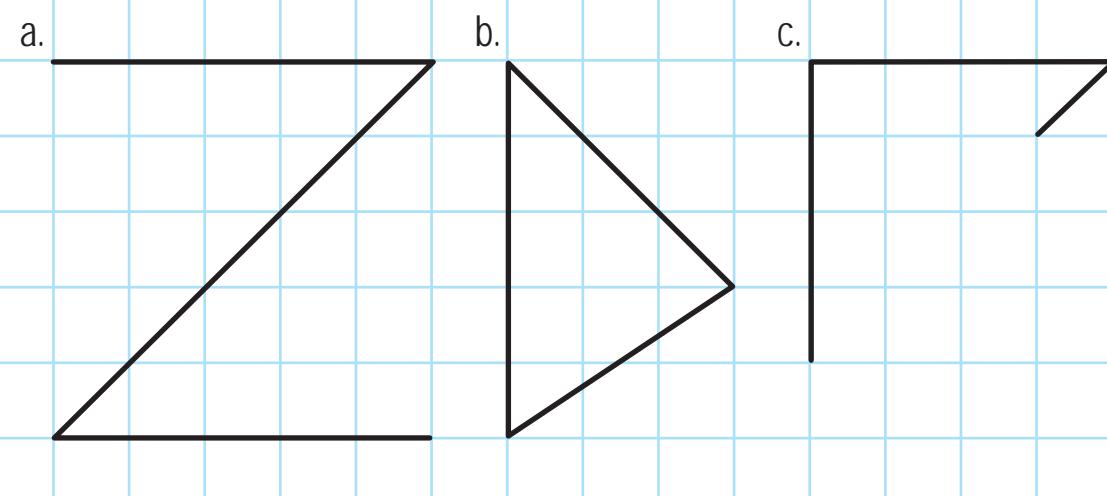
Dziñwe ru \ddot{a} a dici sumbedzi O u fana na iyi i re kha siatari ili.

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

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



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



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



Mutalo 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.

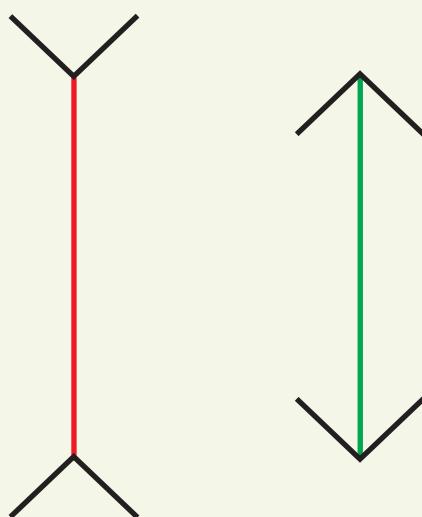
a. —————	<input type="text"/> cm	d.	<input type="text"/> cm
b. —————	<input type="text"/> cm	e. —————	<input type="text"/> cm
c. —————	<input type="text"/> cm	f. —————	<input type="text"/> cm



Ni na vhutanzi naa?

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

Ni nga zwi ṭola hani?



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



41



Dethi:

Themo ya 2

Thagethe 300



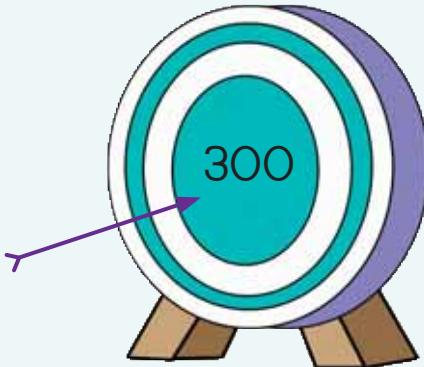
Vhalani ni nwale 200

Vhalani u bva kha 201 u swika kha 300.

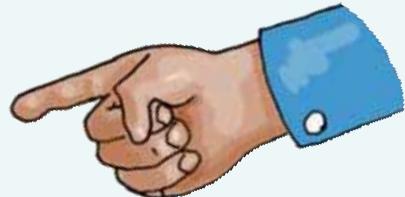
Sumbani ni tshi khou ralo u vhala.

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

Nwalani nomboro dziñwe dzothé.



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



Nwalani nomboro dza 10 dzi no tevhela 300.

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

42

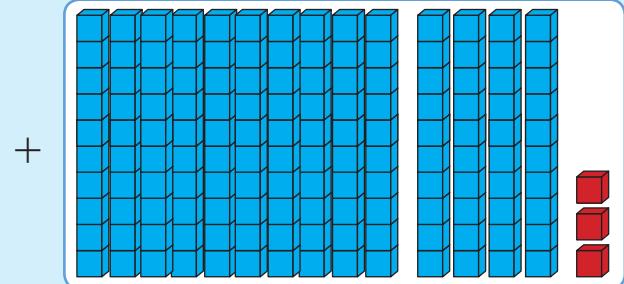
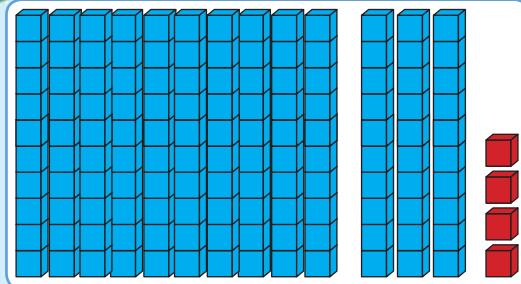
Dethi:

Themo ya 2



U tanganya na u tusa nga dzilOO

U shumisa zwibuloko kha u tanganya



$$\begin{array}{r} 100 \\ + 30 \\ \hline 130 \end{array}$$

+

$$\begin{array}{r} 100 \\ + 40 \\ \hline 140 \end{array}$$

$$\begin{array}{r} 30 \\ + 70 \\ \hline 100 \\ + 7 \\ \hline 107 \\ = 200 \\ + 70 \\ \hline 270 \\ = 277 \end{array}$$



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 vhathe ni tuse.



a. $158 - 146$

Ndila ya Malindi

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

Ndila ya Dumi

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



b. $194 - 122$

c. $288 - 199$



43

Dethi:

Themo ya 2

Thagethe ya 400

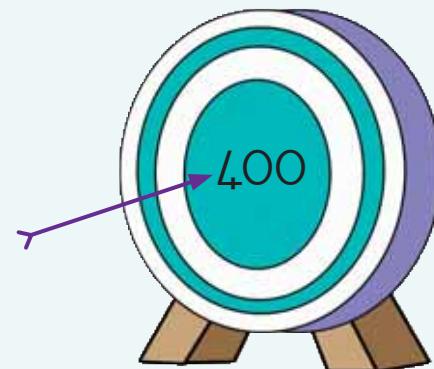


U vhala na u nwala dzi 400

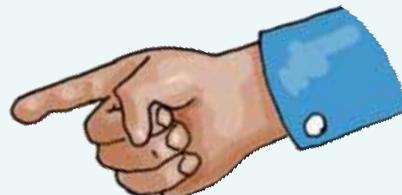
U vhala u bva kha 300 u swika kha 400.

Bulani nomboro ni tshi khou ralo u vhala.

Nwalani nomboro dzi no khou tshela kha giridi.



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



Nwalani nomboro dza 9 dzi no tevhela 400.

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

100

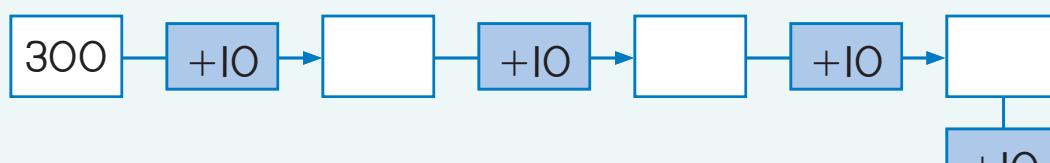
1 2 3 4 5 6 7 8 9 10



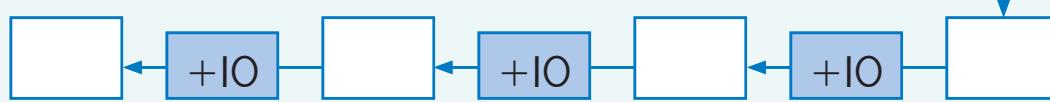
Tshanduko ndi ifhio?

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

Thomani

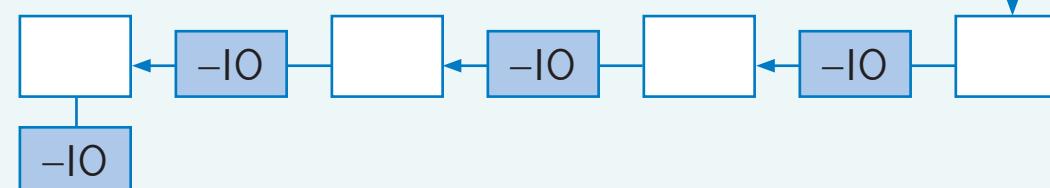
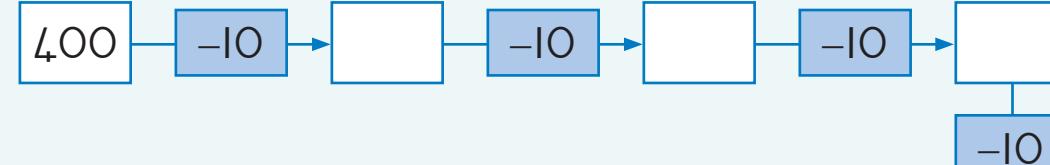


Gumani



b. Vhalani u bva kha 300

Thomani



Gumani



Nwalani sa nomboro nthihi.

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

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

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

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

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

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

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

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

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

 , , , , , , ,



Teacher:
Sign:
Date:

44

Dethi:

Themo ya 2



Nomboro ya tshipentshela
Tanganyani na u nwala phindulo.

78 kg
96 kg
84 kg
66 kg
94 kg

+ 14 kg

+ 5 kg

97 kg



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



Sendedzani tsini ni tanganye!

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 ðe kha 10 kg ya tsinisa.

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

Anganyani tshilemegute tsha zwipuka zwa 5.

1 2 3 4 5 6 7 8 9 10



Tanganyani zwileme zwazwo



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

Maga



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

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



Tshileme tsha Vusi

Tolani. Vhambedzani. Lulamisani.

Vusi u tanganyisa tshileme tshawe na tshileme tsha na tsha .

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



Tshileme tshanga ndi tshingafhani?

Tambani kha tshigwada. Sielisanani ...

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



45

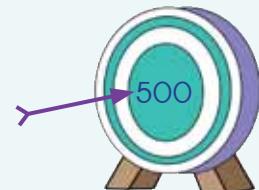
Dethi:

Themo ya 2



U vhalala na u nwala

								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 vhalala.
- b. Nwalani nomboro dzo ṭahelaho afho kha giridi.
- c. Nwalani nomboro dza 9 dici no tevhela 500.

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

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

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

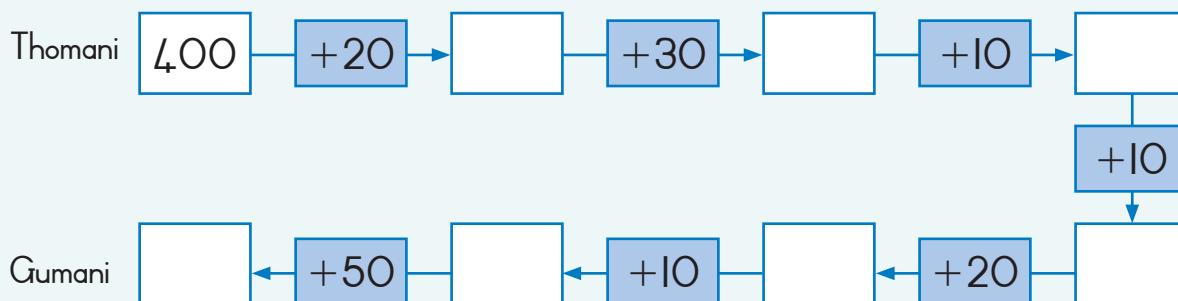
- e. Vhalani nga 5. Nwalani nomboro dza 8 dici tevhelaho nga **phetheni ya 5**.

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

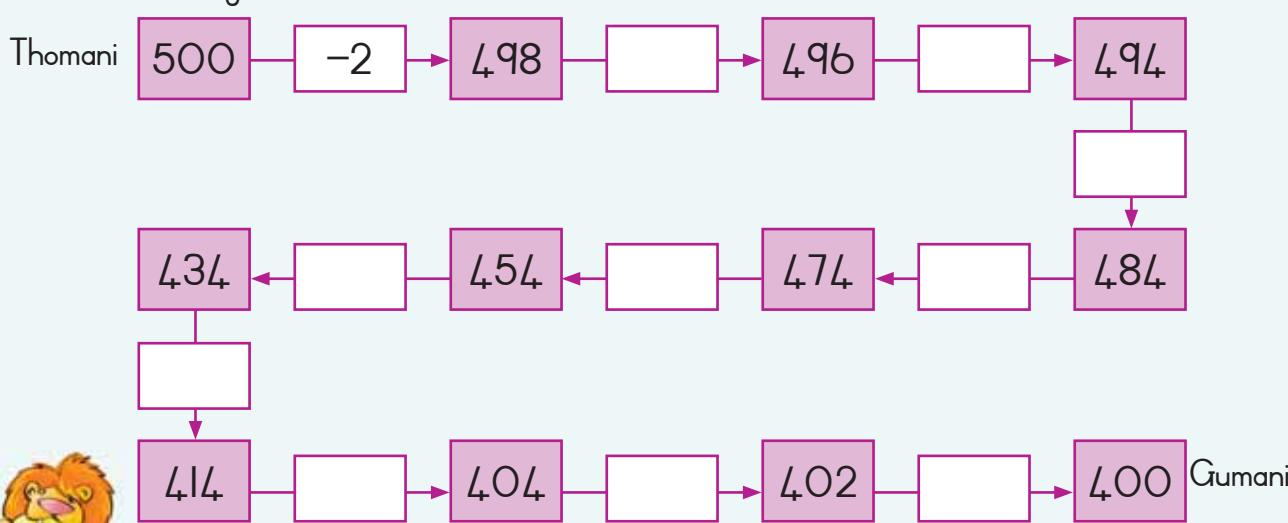


Tshanduko ndi ifhio?

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



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



U sumbedza nomboro. Tevhedzani tsumbo.

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

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

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



46

Dethi:

Themo ya 2

Ni vhona mini?

Mut^hanganyo na mut^huso

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

a. $245 + 231$

Nd^hila ya Malindi

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

$$= 400 + 70 + 1$$

$$= 471$$



Nd^hila ya Dumi

~~$245 + 231$~~

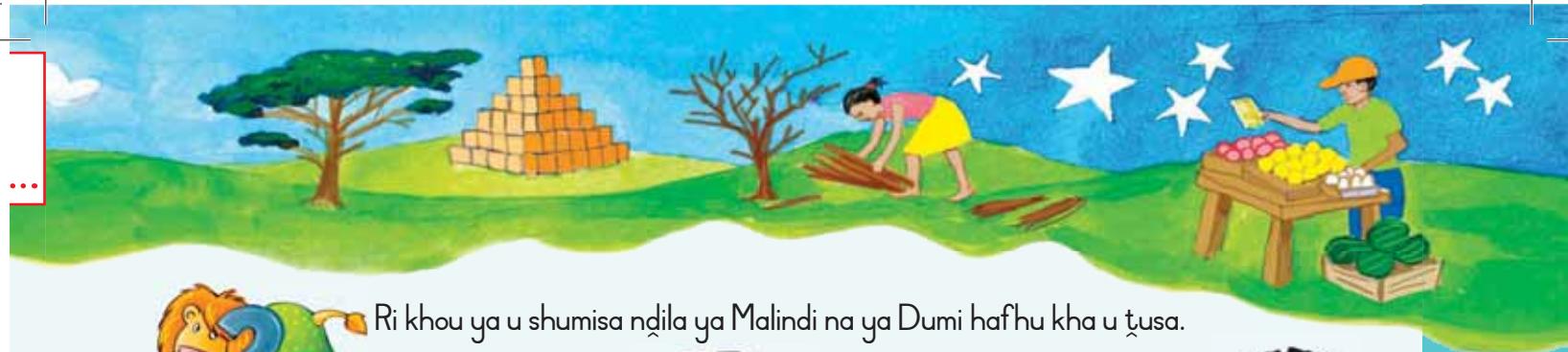
$$= 400 + 70 + 6$$

$$= 471$$



b. $278 + 136$

c. $265 + 148$



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

a. $476 - 324$

Ndila ya Malindi

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



Ndila ya Dumi

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

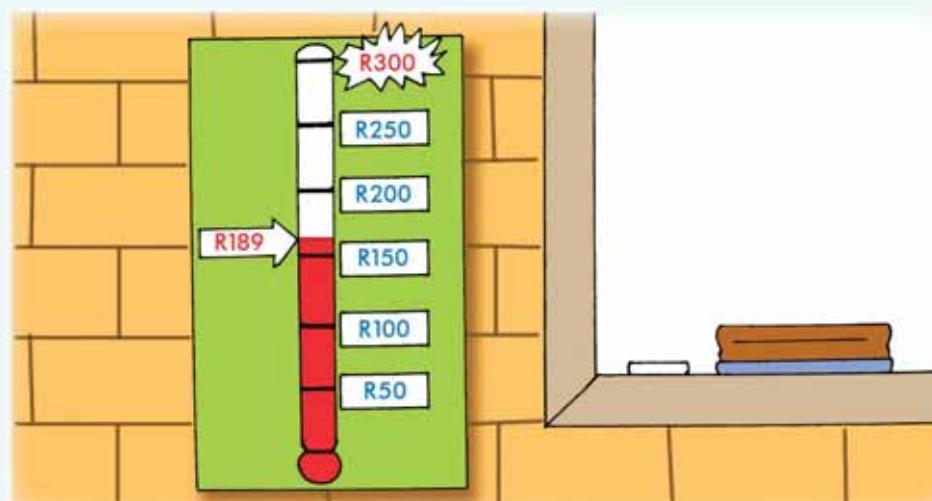


b. $489 - 456$

c. $482 - 161$



Ro swika kha thagethe



Lavhelesani tshifanyiso.

Hu t̄odea zwingana u itela u swika kha thagethe?

R

47

Dethi:

Phetheni hothehothe



Thavha ya tshiphiriri

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

A	B	C	D	E	F	G	H	I	J	K	L	M
I	2	3	4	5	6	7	8	q	IO	II	I2	I3
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
I4	I5	I6	I7	I8	I9	20	2I	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



Lavhelesqni, ni humbyule, ni fhindyle!



- 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 <u>do</u> vha *	Ndi zwone kana a si zwone ?
Nomboro 100 i <u>do</u> vha 0.	Ndi zwone kana a si zwone ?
Nomboro 28 i do vha C.	Ndi zwone kana a si zwone ?

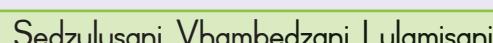


Ndi zwifhio zwi re zwinzhi?

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

Kana u wana RI5O nga dzil dza Thanqule.

Sumbedzani uři no zwi wanisa hanj.



11 12 13 14 15 16 17 18 19 20

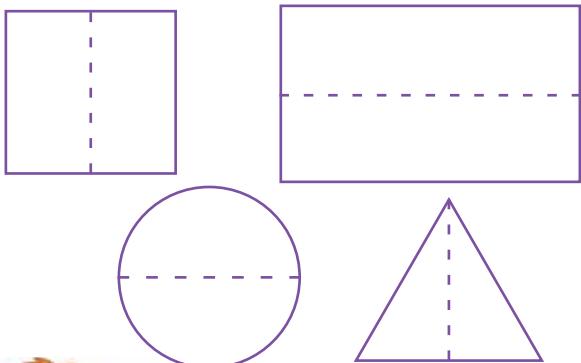
48

Dethi:

Themo ya 2

Simethiri (ndinganahuvhili)

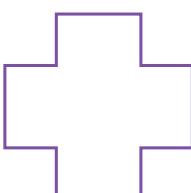
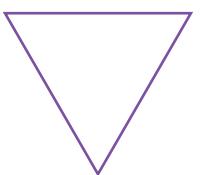
Ni zwifhio zwine na zwi vhona kha zwivhumbeo izwi?



Talani mutalo wa simethiri kha tshivhumbeo tshiñwe na tshiñwe.

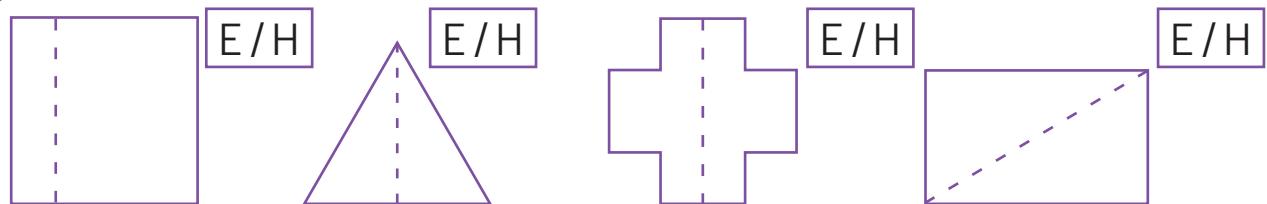
Mutalo wa simethiri (ndinganahuvhili) u fhandula tshivhumbeo tsha bva hafu mbili u itela uri hafu iñwe na iñwe i fane na iñwe sa kha tshivhoni.

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

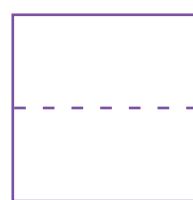
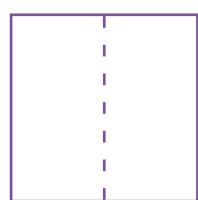
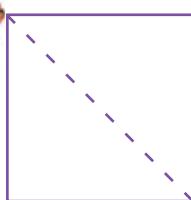


Uyu mutalo wa zwithomathoma ndi mutalo wa simethiri kana hai?

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



Uyu mutalo ndi wa simethiri? Ngani?

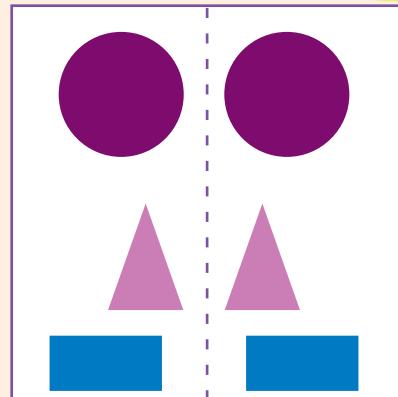




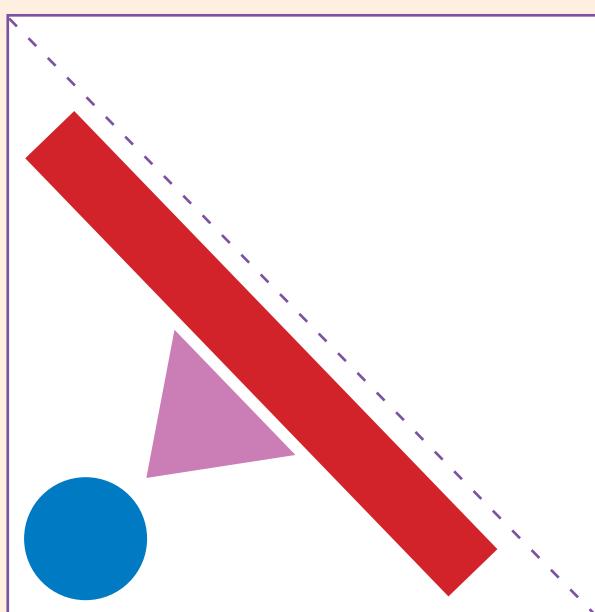
Olani zwivhumbeo ni ite uri tshifanyiso tshi vhe simethiri.

Ro dzula ro ni itela tsha u thoma

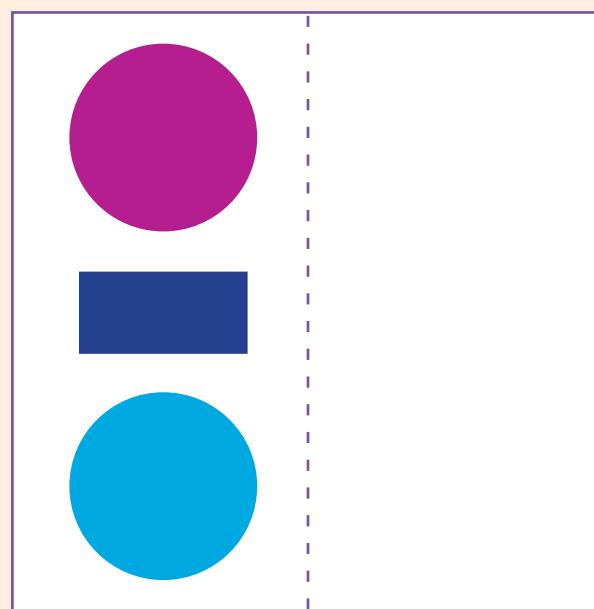
a.



b.



c.



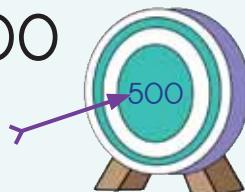
Diteleni
khaphethe
yanu inwi muñe
ya simethiri ni
tshi shumisa
zwivhumbeo.



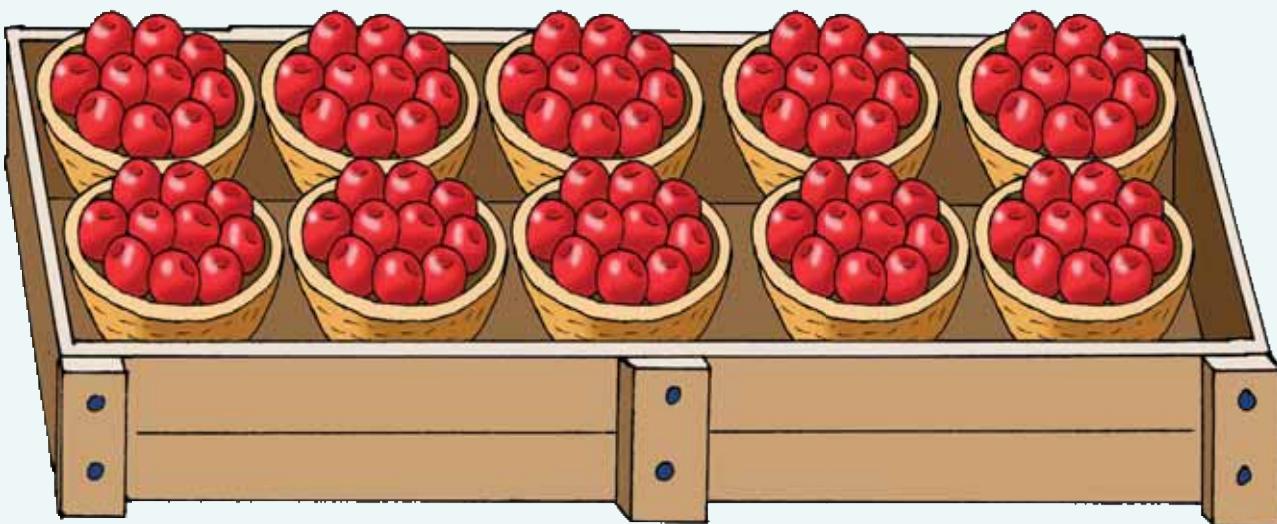
49



Dethi:

U fhata u swika kha 500

U vhalela maapula



Fhedzisani na u andisa

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

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

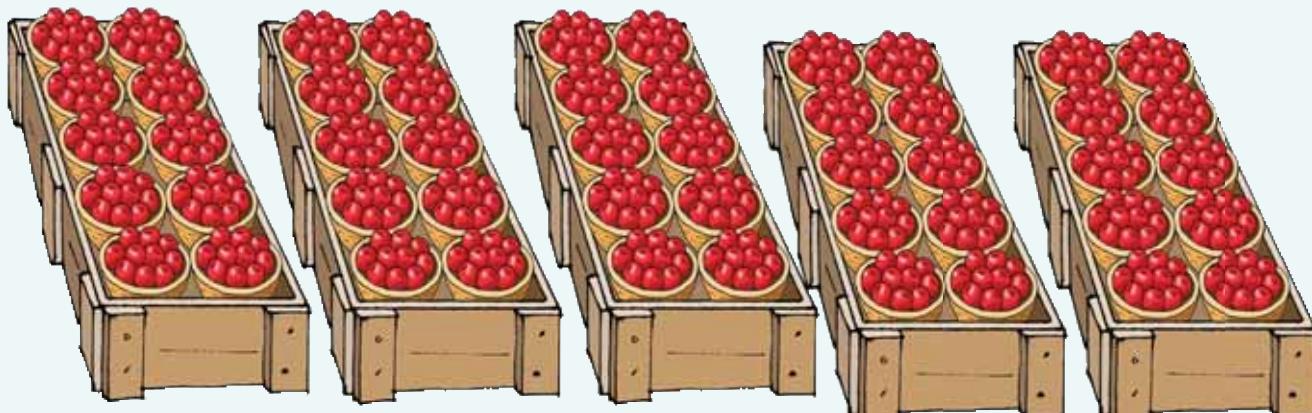


Hu na maapula a 10 kha basikiti ya l.

Hu na basikiti ya _____ kha khireiti nthihi.

Hu na maapula a _____ kha khireiti nthihi.

Hu na maapula mangana o ṭangana o ṭhe? _____



U rekanya; u sumbedza na u nwala

3 0 0

4 0

5

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

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

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

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

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



50

Dethi:

Themo ya 2

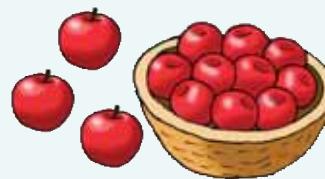
Muandiso na mukovho (10)



U vhala maapula

Dadzani thebulu.

Ndi basikiti (zwithatha) nngana dzo hwalaho maapula?



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



Kovhelani vhana maapula. Olani tshifanyiso (nyolo)

a.



Sedzulusani
phindulo dzanu.

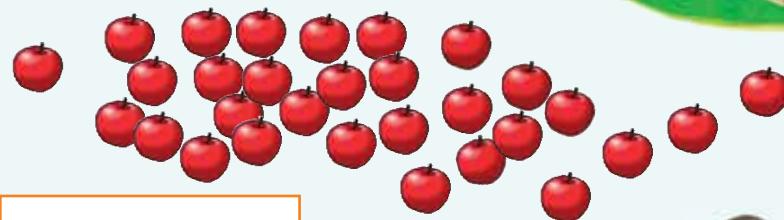
$$\square \div \square = \square$$

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



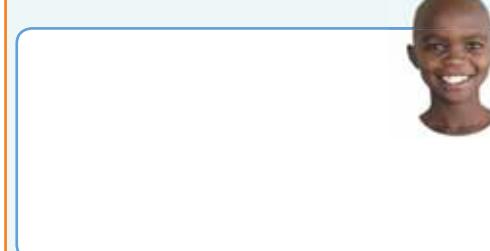
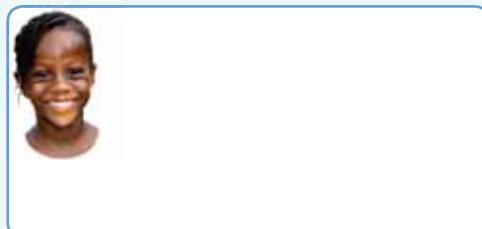


b.



Nwalani mbalo ya ÷

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



Shumisani nomboro kha u vhumba mafhungombalo aŋu inwi mune.



Tsumbo

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

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



$$\div \quad \boxed{} \quad \times \quad \boxed{}$$



$$\div \quad \boxed{} \quad \times \quad \boxed{}$$



$$\div \quad \boxed{} \quad \times \quad \boxed{}$$



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

____, 460, ____

____, 390, ____

____, 500, ____



51



Dethi:



Uvhala nga dzi2

Uvhala ri tshi ya phanda na murahu nga dzi2

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



Phere dza magilavu



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



Ndi magilavu mangana?

U nwala kha thebulu.

a.	Phere ya magilavu									
	Tshivhalo tsha magilavu	2								

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



Uv hala nga mbili

a. Ndi nomboro ifhio i no da vhukati ?

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

b. Nwalani momboro mbili dzi no tevhela iyi.

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

c. Nwalani momboro mbili dzi no tevhela iyi.

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



Teacher:
Sign:

Date:

11 12 13 14 15 16 17 18 19 20

U dzhenisa dzithailisi



U pulanelo ngade

Mufumakadzi Vho Mabena vha na dzithailisi dza u naka.

Vha dzi shumisa kha u pheiva huñwe fhethu ngadeni yavho.

Hu na dzithailisi dza zwikwea zwa 6 zwa saizi nthihi.



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

Zwino ndi tshifhinga tshanu!

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

zvikwea zwa 8	zvikwea zwa 9

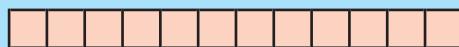
Nwalani mafhungombalo a nyolo iñwe na iñwe.



U dzudzanya dzithailisi dza 12

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

Tsumbo:



$$1 \times 12 = 12$$

$$12 \times 1 = 12$$



U dzudzanya dzithailisi dza 24

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

--



Ndi a kona u andisa!

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



53



Dethi:

.....

Nga dzi5 u swika kha 500



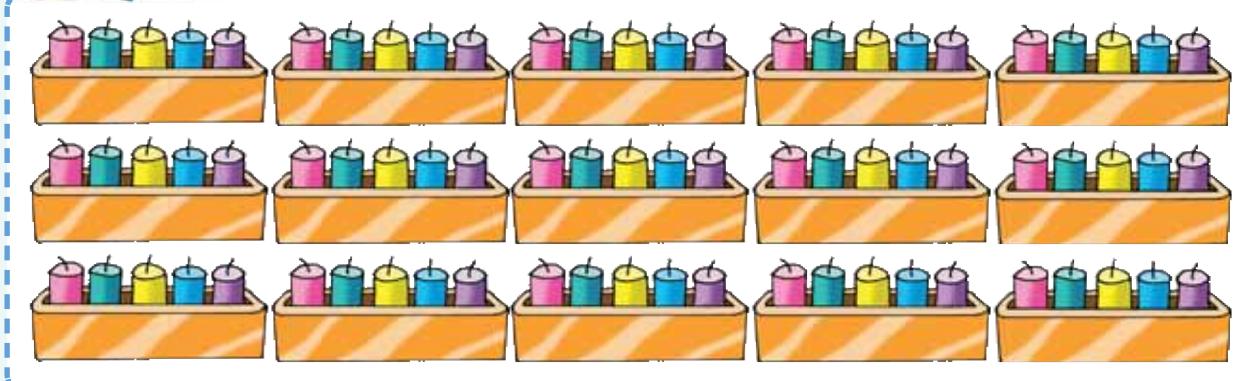
U ṭalukanya 5 dzanu

U ḥwala phindulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



U ḥwala makhandela



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



U sumbedza phindulo

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

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



U vhala ni tshi ya phanda na murahu nga 5

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



U kuvhanganya khoini dza R5



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

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

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

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

Ni a kona u
vhona phetheni?

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

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



U andisa nga 5

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

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

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



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Themo ya 2

U shuma nga tshifhinga




Hafuu bva kha awara ya 5	Kotara u ya kha awara ya vhufumithihi	12:45	6:15

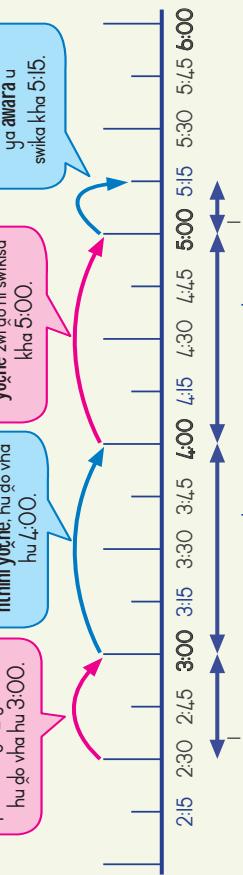
Thaidzo dza tshifhinga

Mme a Tshilio vhabva hajani nga **2:30**.
Vha vhuya nga **5:15**.

Vha vha vha siho lwa tshifhinga tshingafhani?

Aralina fhuflala
phanda nga $\frac{1}{2}$ ya awara
hu do vha hu 3:00.

Ufhuflala phanda
ngaa awara
ntithi yote, hu go vha
hu 4:00.



$\frac{1}{2}$ ya awara ra tanganya na awara mbili dzothé zwita awara dza $2\frac{1}{2}$.
Ra tanganya na $\frac{1}{4}$ ya awara zwita awara dza $2\frac{3}{4}$ zw tanganya zwothe.



Mbalo dza tshifhinga

Tandululani mbalo inwe na inwe.

Shumisan'i tsumbatshifhinga ya zwiwo zwa ndemeuri inithuse.

- a. Lutendo u ya u tolela khotsi aye kilinkinga **15:45**.
U huma nga **17:15**.

O fhedza tshifhinga tshingafhani?

- b. Mulalo u ya phakhani ngal **10:45**.
U humela hayani nga **12:30**.

Ri nga shumisa tsumbatshifhinga ya
zwiwo zwa ndeme kha u shuma phindulo.
Vheani munwe wanu kha 2:30, tshifhinga
tshine tsha vha tshone zwiwo.

- c. Tumi u thoma u vhalanga **13:15**.
U fhedza ngal **14:45**.

Tumi u vhalo tshifhinga tshingafhani?



11 12 13 14 15 16 17 18 19 20



55

Themba ya 2

Vhalani nga dizi na dzil4

Bodo dizi re na milenzhe ya 3

Tanganyani ni nwale phindulo.



a. Hu na bodo nngana kha rou? _____

b. Hu na milenzhe mingana kha rou? _____

c. Hu na rou nngana dzabodo? _____

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

d. Hu na milenzhe mingana yo t̄angana yot̄he? Sumbedzani uri no zwi shuma nga ndilade.

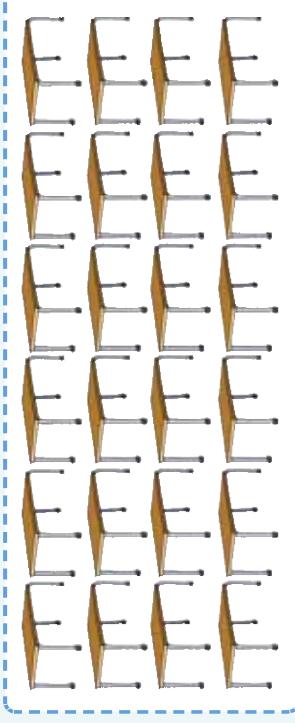
Hu na milenzhe mingana?

Elekanyani ngau t̄avhanya
Elekanyani ngao vhutali

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

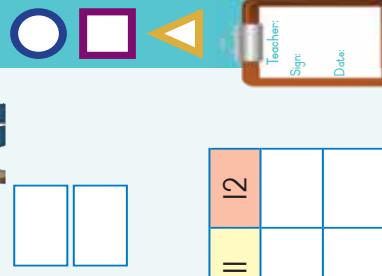


Milenzhe ya t̄afula



- a. Hu na t̄afula nngana kha rou? _____
- b. Hu na milenzhe mingana kha rou? _____

- c. Hu na rou nngana dza t̄afula? _____
- d. Hu na milenzhe mingana yo t̄angana yot̄he? Sumbedzani uri no zwi shuma nga ndilade.

Teacher:
Sign: _____ Date: _____

Femeni

Muhabaqi u ita t̄afula. Utthoma ngau vhabaqi milenzhe.

O no vhabaqi milenzhe ya 48 u swika zwino. Ndi t̄afula nngana dzine a nga ita?

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

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

Vhalani nga dz150

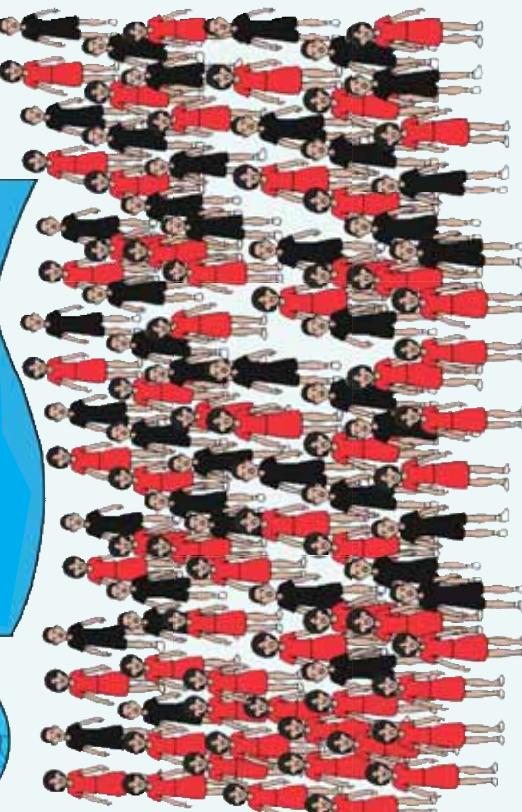
Nwana mutibili, nguvho nthili!

Huna vhana vhangan? Anganyelani, ni kore u vha vhalla.

Nguvho ya Fulu fheho.

Vhana vhatsu kha vha dudule.
NPO 123 - 098

Themba ya 2



Vha badela vhugai?

Mafhungo	u renga	a 2.
Ubadele	R	
Mufumakadzi Vho Singo	vha renga	a 5.
Vha badela	R	
Vha renga	R	

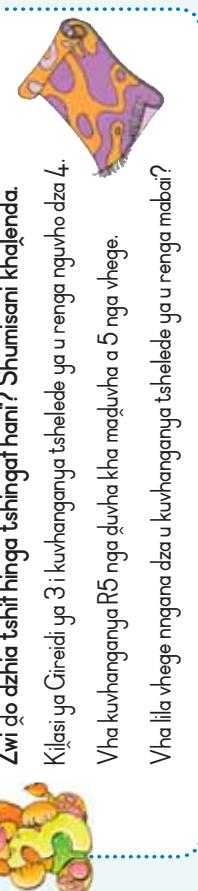
Itani kosekose!
R50 ya bai la |

	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 vhotlhe vha re tsifanyisoni itshi vha friwa nguvho.
Ndi vhana vhangan vha re hone? _____

Anganyelani	Vhalani	Vhambedzani

Ndi ☺ vhatukana vhangan? _____ Ndi ☺ vhasidzana vhangan? _____



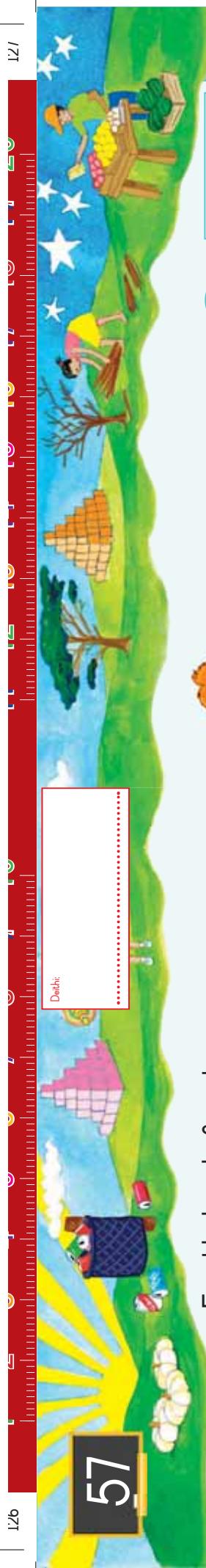
Zwi do dzhia tshifinga tshingafhani? Shumisani khajenda.

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

Vha kuvhanganya R5 nga duvhakha maduhakha 5 nga vhege.

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





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Furakkisheni hafu na kota

Kovhani bola dizi tshi lingana afho zwibogisini



Themo ya 2

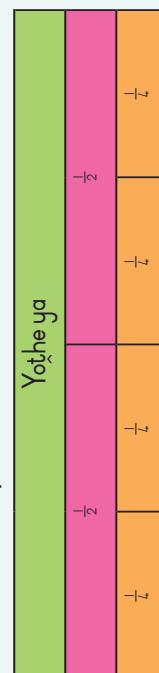
<ul style="list-style-type: none"> Hu na bola nngana bogisini lirwe na lirwe? Ndi bola nngana dizi re bogisini la phephulu? Ndi furakkisheni ifhio ire bogisini la phephulu? 	<ul style="list-style-type: none"> Hu na bola nngana bogisini lirwe na lirwe? Ndi bola nngana dizi re bogisini la phephulu? Ndi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

Lavhelesani zwifanyiso ni fhindule mbudziso.

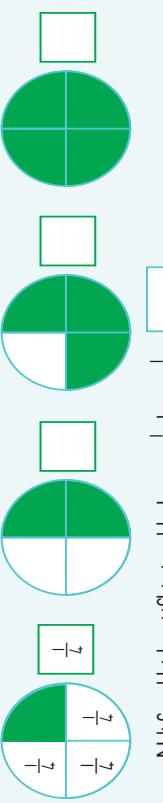
<p>Ni konau vhala zwitendededzi zwingana?</p> <p>$\frac{1}{2}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{2}{4}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{3}{6}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{4}{8}$ ya zwitendededzi ndi ifhio?</p>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<p>Ni konau vhala zwitendededzi zwingana?</p> <p>$\frac{1}{4}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{2}{8}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{3}{12}$ ya zwitendededzi ndi ifhio?</p> <p>$\frac{4}{16}$ ya zwitendededzi ndi ifhio?</p>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

<p>Khalarani $\frac{1}{2}$ ya zwivhumbeo.</p>	<input type="text"/>
<p>Khalarani $\frac{1}{4}$ ya zwivhumbeo.</p>	<input type="text"/>
<p>Khalarani $\frac{1}{8}$ ya zwivhumbeo.</p>	<input type="text"/>
<p>Khalarani $\frac{3}{4}$ ya zwivhumbeo.</p>	<input type="text"/>

Lavhelesani zwitirepe (vhubammbiri) zwa furakkisheni



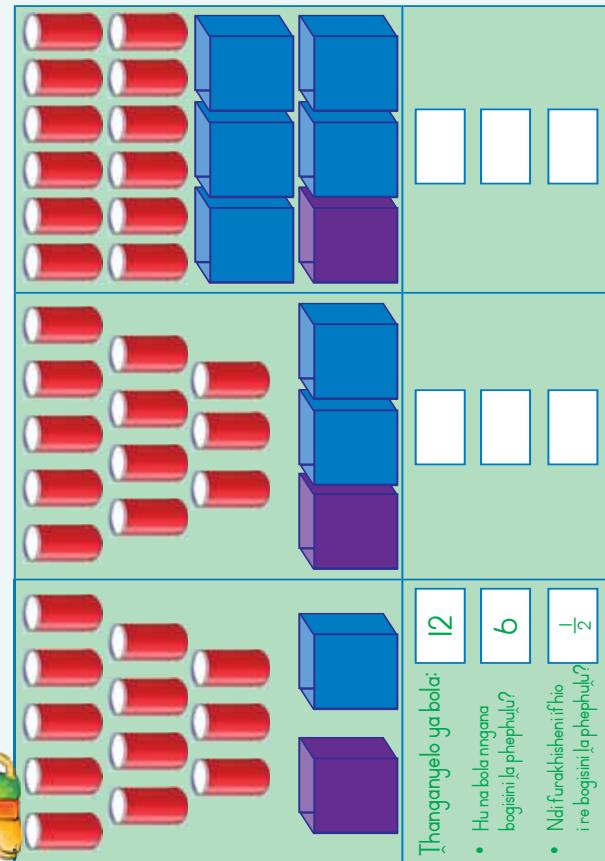
- a. Ndi hafu ($\frac{1}{2}$) nngana dizi no do ita yothé nthih?
- Ndi kota ($\frac{1}{4}$) nngana dizi no do ita yothé nthih?
- Ndi kota ($\frac{1}{2}$) nngana dizi no do ita yothé nthih?
- b. Lavhelesani daigiramu (nyolo) ni nwale furakkisheni ya tshipiga tsaho swifadzwa.
- c. Ndi furakkisheniffio ire khulwane $\frac{1}{2}$ kana $\frac{1}{4}$



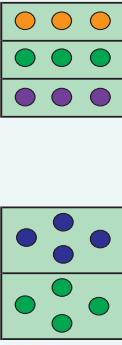
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20

Furakhisheni: hafu; zwararu na zvarathi

Kovhani zwikočikotj (silinda) ngau lingana mabogisini.



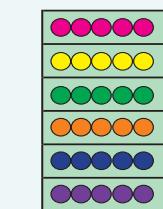
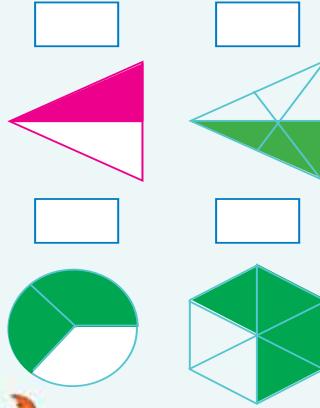
Lavhelesani zwifanyiso ni hindule mbudziso.



Ni konau vhala zwitendededzi zwingana?
 $\frac{1}{2}$ ya zwitendededzi ndi fihio?

- ya zwitendededzi ndi fihio? ya zwitendededzi ndi fihio?
 ya zwitendededzi ndi fihio? ya zwitendededzi ndi fihio?
 ya zwitendededzi ndi fihio? ya zwitendededzi ndi fihio?
 ya zwitendededzi ndi fihio? ya zwitendededzi ndi fihio?

Nwalani furakhisheni ya tshipida tsaho swifhadzvaho.



- Tangedeleni furakhisheni khulwane.
- a. $\frac{1}{2}$ $\frac{1}{3}$
b. $\frac{1}{2}$ $\frac{1}{6}$
c. $\frac{1}{2}$ $\frac{2}{6}$

-

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



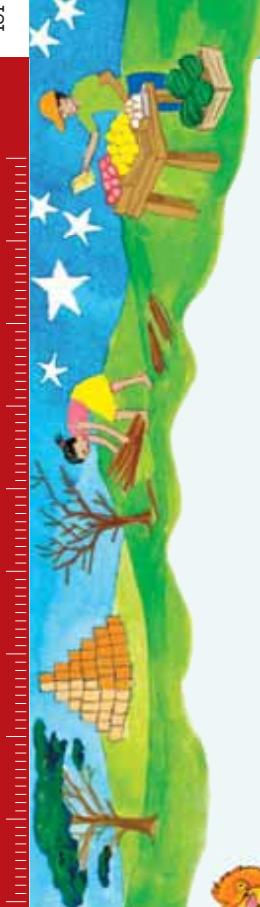
11 12 13 14 15 16 17 18 19 20

Furakhisheni: tshat̄hanu

Kovhani zwikot̄ikoti mabogisi.

Themba ya 2

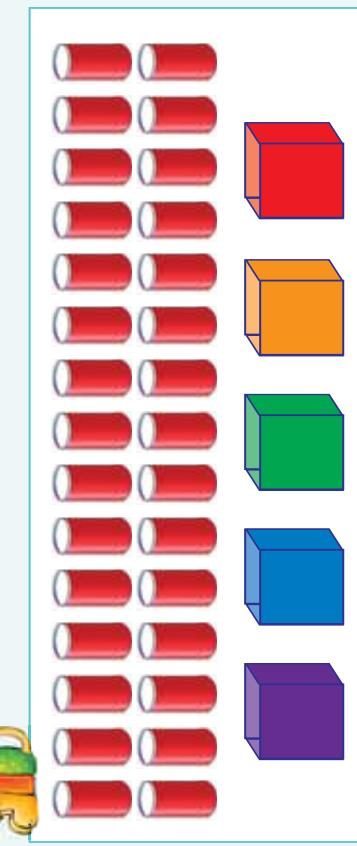
5q



Date:



Mivhala ya zwishumiswa zwa u ela.



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

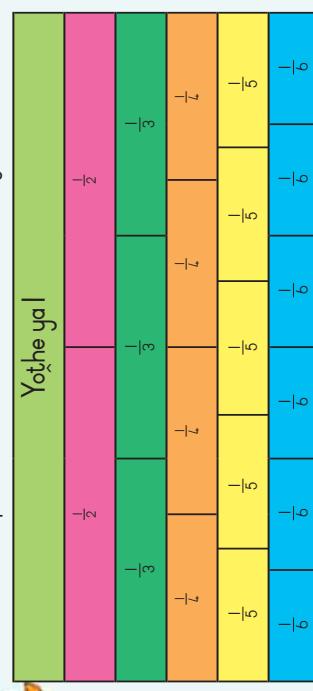


Lavhelesani zwifanyiso ni fihindule mbudziso.

- Huna tsokoleithi ringana bogisi?
- $\frac{1}{5}$ ya tsokoleithi i lingana na
 - $\frac{2}{5}$ ya tsokoleithi i lingana na
 - $\frac{3}{5}$ ya tsokoleithi i lingana na
 - $\frac{4}{5}$ ya tsokoleithi i lingana na
 - $\frac{5}{5}$ ya tsokoleithi i lingana na
 - Linwe duvha ndola $\frac{1}{5}$ ya tsokoleithi. Ho sala tsokoleithi ringana?
 - Linwe duvha ndola $\frac{1}{5}$ ya tsokoleithi. Ho sala tsokoleithi ringana?



Lavhelesani zwit̄irepe zwa furakhisheni. Fhedzisan i mafhungo.



Tangedzelani zwihulwane kana zwit̄uka

- a. $\frac{1}{2}$ ndi khulwane /t̄hukhu kha $\frac{1}{4}$.
- b. $\frac{1}{3}$ ndi khulwane/t̄hukhu kha $\frac{1}{2}$.
- c. $\frac{1}{5}$ ndi khulwane/t̄hukhu kha $\frac{1}{6}$
- d. $\frac{1}{6}$ ndi khulwane/t̄hukhu kha $\frac{1}{3}$
- e. $\frac{3}{6}$ ndi khulwane/t̄hukhu kha $\frac{2}{5}$



Zwithu zwa 3D

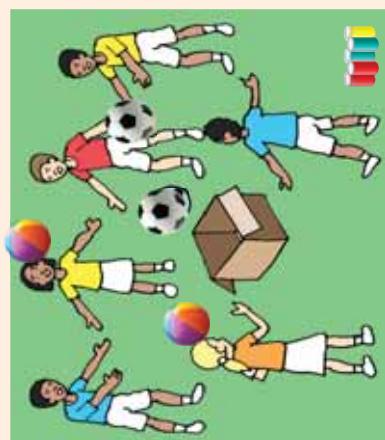
Themoo ja 2



Vhalani zwibogisi (phirizimu)

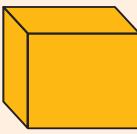
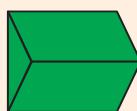
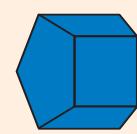
Vhalani bola (zwipulumbu)

Vhalani silinda

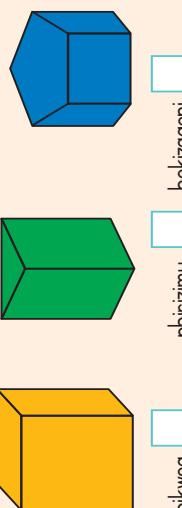
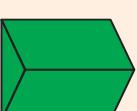
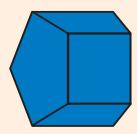


Hezi zwot̄he ndi mabogisi.

Shumisani Zwigeniwa zwa mabammbiri a 3 na 4 khal khau vhumbao izwi zwithu.



Flethu huriwe na huriwe ha baphathi hupi ndi lurumbu (phanda ha). Nambatedzani tshifhatuwo tshiriwe na tshiriwe tsinno khau nwethuwa kha lurumbu lwa bogisi. No nambatedza zwifhatuwo zwingana?



tshikwea phirizimu helkizagoni



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

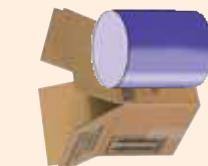


Tolutshedzani tshimo tsha silinda ni tshi shumisa maipf aya
Tolutshedzani tshimo tsha silinda ni tshi shumisa maipf aya

Nga nt̄ha



Ngo phanda



Nga lurumbu



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



Musidzana o sedza _____ ha tshifhatō.

Munna o sedza _____ ha tshifhatō.

Tshiloni tsho sedza _____ ha tshifhatō.

lurumbu

phanda

nt̄ha



Teacher:
Sign:

Date:

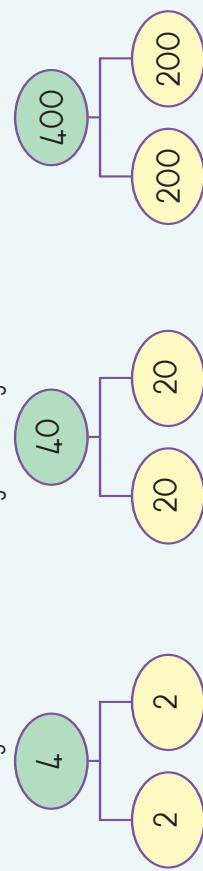
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Uinga kavhili (davhulu) na hafu

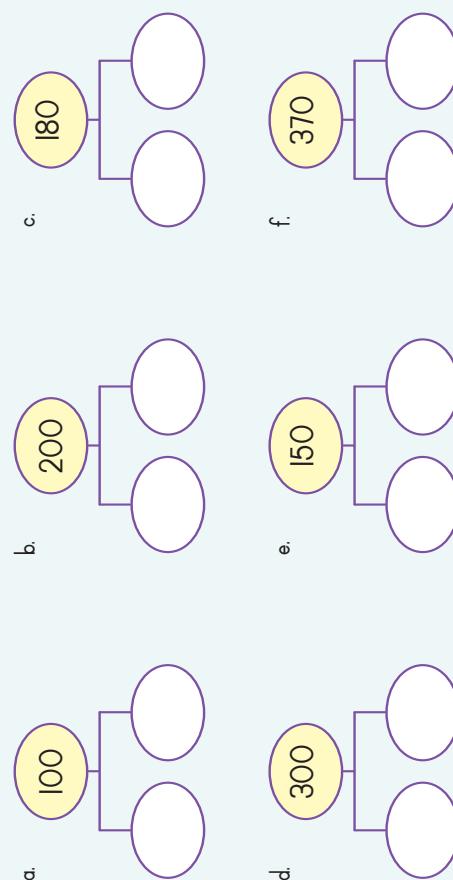
Ni kha di elelwa?

- 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

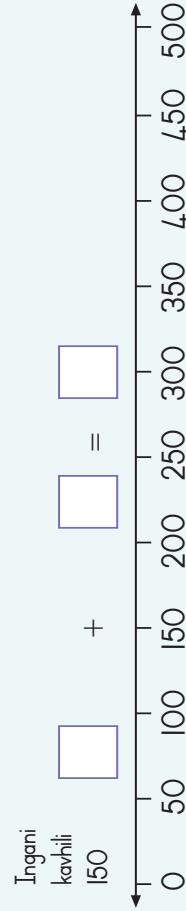
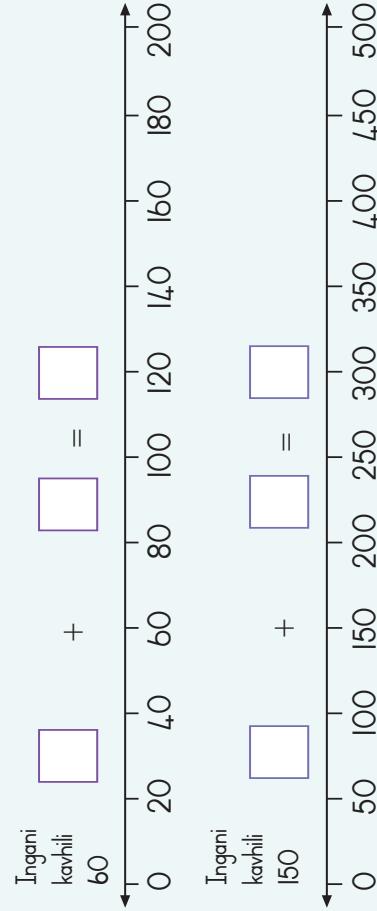
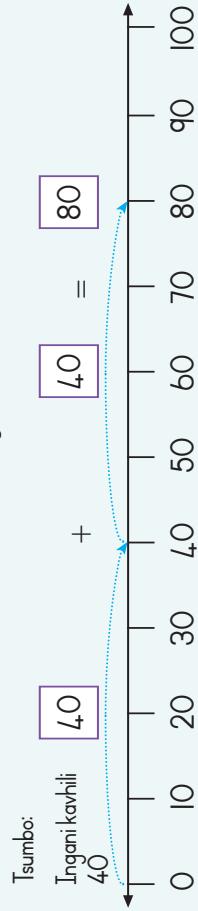
Elefani! Ni inga sumbedza izwi zwitshu kha nyolo (tshifanyiso) ...



- a. 100
- b. 200
- c. 180
- d. 300
- e. 150
- f. 370



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



Fhedzisanizwi tevhelaho

O

S

C

A

B

D

E

Fhedzisanizwi tevhelaho

O

S

C

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

- a. Hafulani 220
- b. Hafulani 180
- c. Hafulani 260
- d. Hafulani 60
- e. Hafulani 320

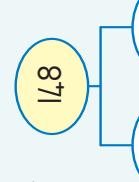
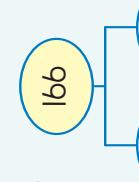
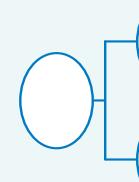
- a. Ingani kavhili 100
- b. Ingani kavhili 150
- c. Ingani kavhili 120
- d. Ingani kavhili 200
- e. Ingani kavhili 170

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

11 12 13 14 15 16 17 18 19 20

Zwiinwe hafhu zwa u davhula na u hafu

U wana nga zwivhili kana hafu

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

Theemo ya 2

b2

Seili R450



Vhulungelani basigiri

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

Mutengo wo tsa

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

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

Ndi rannda nngana?

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



R135

Ndi vhugai ine ya kha ɿi t̄ahela? R _____



R78.50

Zwienda zwa Peter zwi ɿura kavhili u fhira izwi. R _____



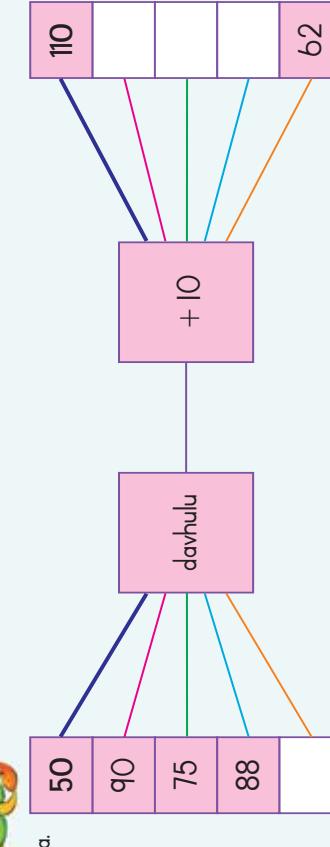
R97

Mutengo wa rokho ya Phindii ɿura vhugai? R _____

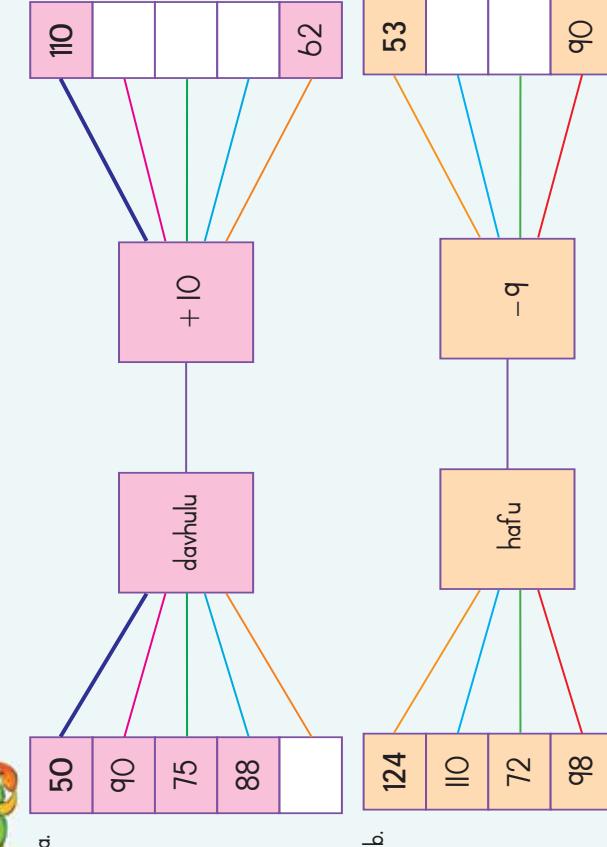


Hu dzhena mini? Ha bvva mini?

Tevhebzani tsumbo. Dzhenisanini nomboroo dici no khou ɿahela.

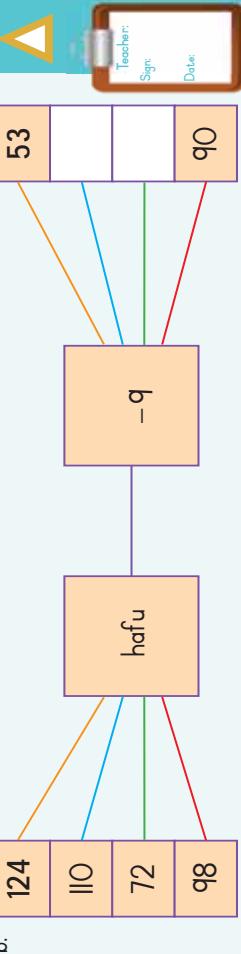


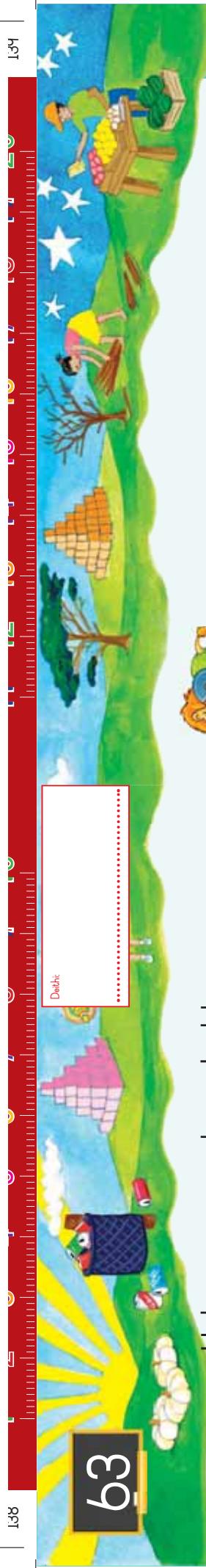
a.



b.

- a. Malagane RI54
- b. Mutengo wa fhasi
- c. Khushini R54
- d. Zwidlo R220

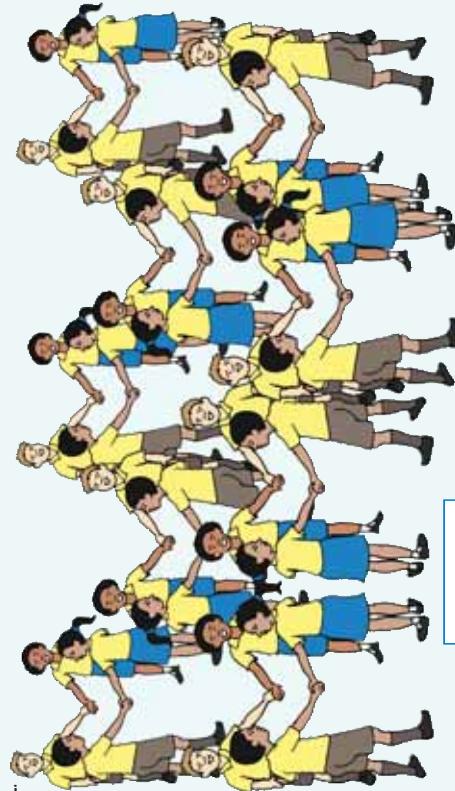




U vheea nga zwigwada na u bagedekanya

Vheani vhana nga zwigwada

Mufumakadzi Vho Ndaba vha tqoda u khethekanya klasa ya bva zwigwada zwa saizi dici lingandho u itela mitambo ya mngala ka klasa. Vha thoma naga u vha vhekanya nga zwigwada zwa thimu dia vhana vha 4.

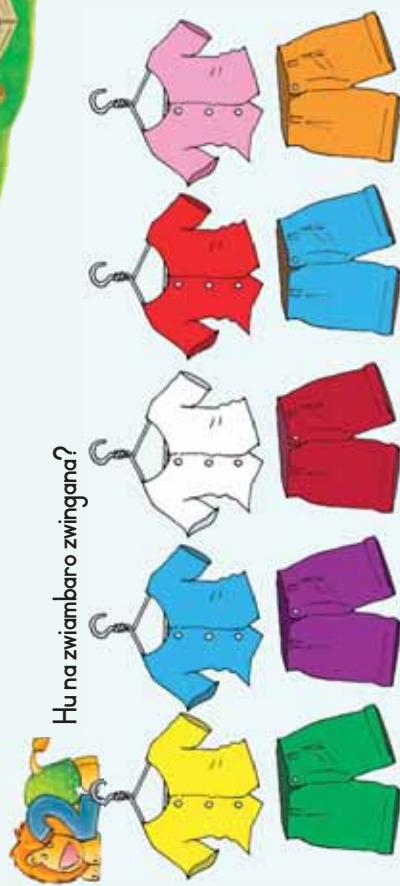


Tolani. Vhambedzani.
Lulamisani.

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

Themba ya 2

Hu na zwiambaro zwingana?



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

Ndi zwiambaro zwingana zwe fhambandaho zwine a ngazwi ita atshi khoushima u tanganelana ha mivhala ho fhambandaho?

Satsumbo: Hemmbe ya lutombo/vhurukku dziniwe dzothe dia vhpufufhi ha tshticopana.

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

Humbulelani: Hu ngaga itea mini aradi Phindi e na mivhala ya 6 yo fhambanaho ya hemmbe na marukhu mofufufhi?

Ndi zwiambaro zwingana zwine a ngazwi?

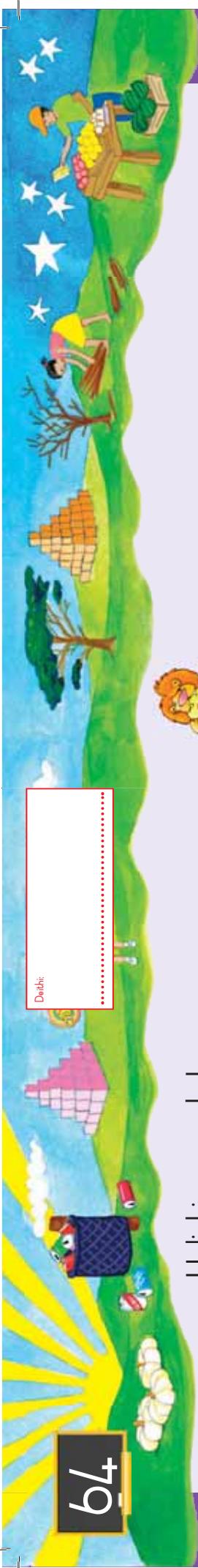
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Tolani. Vhambedzani.
Lulamisani.

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20



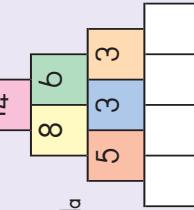


U diphiña nga mbalo

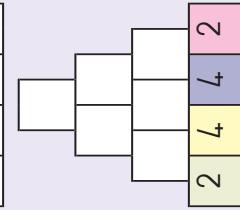
Ikani mulayo

Shumisani mulayo uyu kha u wana nomboro dzi no khau ḫahela

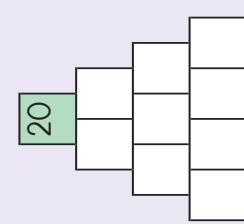
14



Zwino shumani hedzi



Fhatani u swika kha 20 nga ndla dza 3 dzo fhambananaho



Khaedu



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

Nomboro dza 3 dzi re khau inwe na inwe dza fanelu ita 10.
Mulayo Shumisani nomboro inwe na inwe luthihhi ihedzi.

Theme ya 2

64

U wana nomboro

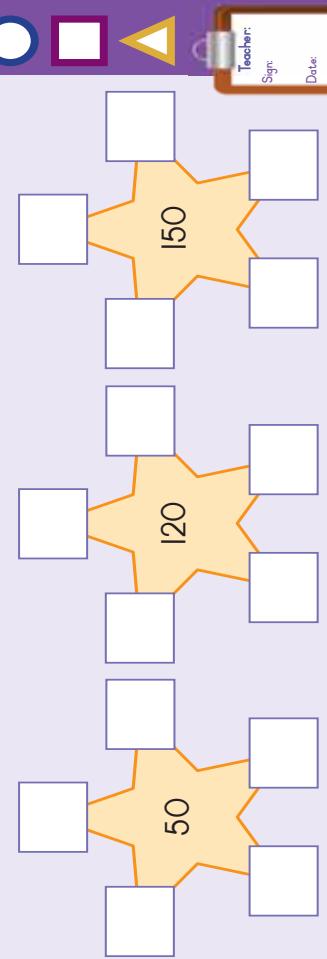
a. Mulayo 3: Nomboro dzi re kha rau inwe na inwe dzi teu u vhumba ibo dzo ḫangana.

2	5	3	6
			2

b. Mulayo: Nomboro dza 3; u buda na rou na u tsa na kholomo; dzi ita ḫhanganyelo nthiki dzo ḫangana dzothe.

2	7	6	
q		1	
	3	8	

c. Mulayo: Dzherisanji nomboro dza 5 dzinwe na dzinwe dzo ḫangana dzothe dza ita nomboro ire ngemu ha naledzi.



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



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

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

