

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

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

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

Talukanyani hune ra bva hone. Ri songo dovha vhukhaki ha mulovha. Mulayotewa washu u ri thusa uri ri elekanye nga vhumatshelo ha khwiġe ha rothe khathihi na u vhu fhaġa.

Riġe, vhatu vha Afrika Tshipembe;
 Ri dzhiela ntha u shaea ha vhumakanyi kha tshifhinga tsho fhelaho;
 Ri thonifha havho vhe vha tambulela vhumakanyi na mboholowo kha shango ġashu;
 Ri thonifha havho vhe vha shuma vha tshi itela u fhaġa na u bveledzisa shango ġashu; na
 U tenda uri Afrika Tshipembe ndi ġa vhothe vhane vha dzula khaġo, vho vhohekanywaho vha vha huthihi naho vha sa fani.
 Zwenezwo, nga kha vhaimeleri vho khethiwaho zwavhuġi, ri khou tangedza ino Ndayotewa sa wone Mulayo Muhulusa wa Riphabuġiki uri u—
 Fhelise khethululo ya tshifhinga tsho fhelaho na u thoma tshitshavha tshine tsho ġisendeka kha ndeme dza demokirasi, vhumakanyi ha matshiliso na pfanelo dza vthuthu;
 Fhaġe mitheo kha demokirasi na tshitshavha tshi re khagala hune muvhuso wo ġisendeka kha lufuno lwa vhatu nahone vhadzulapo vho tsireledzwa nga mulayo nga nġila I linganaġo;
 Khwinisa ndeme ya Vhutshilo ha vhadzulapo vhothe na u vhotholola vhuġoni ha muthu muġwe na muġwe; na
 Fhaġa mbumbano na demokirasi zwa Afrika Tshipembe uri ġi kone u vha fhethu ho teho sa muvhuso wo ġiimisaho kha muġa wa tshaka.

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

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



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 GRADE 3 – BOOK 1
 TERMS 1 & 2
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Yo vusuludzwa, i tevhedza CAPS



ġireidi ya **3**

Dzina: _____
 Kiġasi: _____



DIVHAMBALO NGA TSHIVENDA

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 Themo 1 & 2

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Vho Angie Motshekga
Minista wa Muhasho wa
Pfunzo ya Muteo



Vho Dr Reginah Mhaule
Muthusaminista wa
Pfunzo ya Muteo

Bugu idzi dzo ṛwalelwa 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 Dr Reginah Mhaule.

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

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

Ri na fulufhelo lauri bugu idzi dzi ḡo thusa vhadededzi (vhagudisi) mushumoni wavho wa u funza wa ḡuvha linwe na linwe khathihi na u vha na vhuṭanzi uri vha khunyeledze kharikhuḡamu yoṭhe. Ro ita nga vhuronwane uri ri sumbedze nḡila vhadededzi kha nyito nge ra shumisa aikhoni dzi no sumbedza uri mugudi u tea u ita zwifhio.

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

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

Gireidi
ya

3



M b a l o

NGA TSHIVENDĀ

Heyi bugu ndi ya:



TSHIVENDĀ

Bugu ya



Deithi:

Themo ya I



U vhalala, 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 aṅu na phindulo kha thebuḽu iyi.

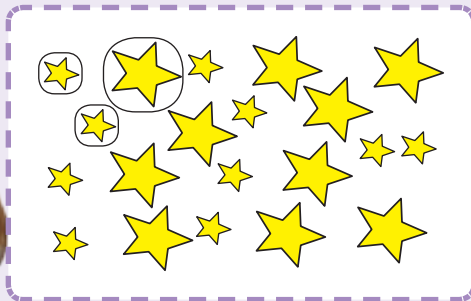
Dzina				
Anganyelani				
Nomboro dzo vhalwaho				
Phambano vhukati ha zwe na anganyela na zwe na vhalala				



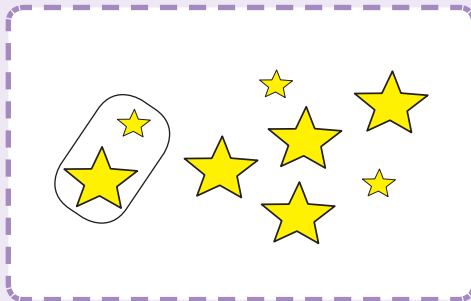
Ndila dza u vhala. Ri thuseni u i n'wala



Ndo vhalela nga thihi.



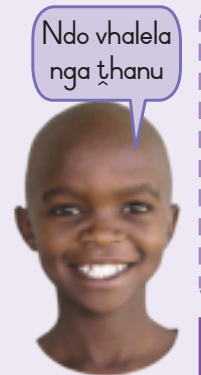
1, 2, 3, _____



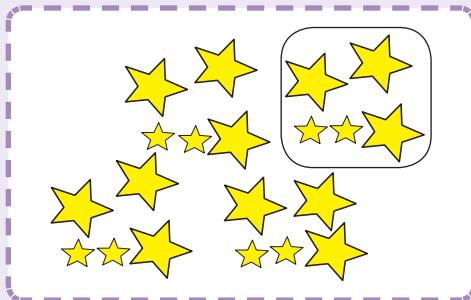
2, _____



Ndo vhala nga 2.



Ndo vhalela nga t'hanu



5, _____





Ndo vhalela nga mahumi



N'walani mafhungombalo

N'walani mafhungo mavhili ni tshi nea t'hanganyelo ya n'aledzi. A n'waleni nga ndila mbili.

Musi ni tshi t'anganya nomboro dziñwe na dziñwe mbili a zwi na mushumo uri mutevhe wadzo ndi uf'ho.

Khulwane T'hukhu Ngaurali

kana

ngaurali



nahone sa fhungombalo.

_____ + _____ = _____ kana _____ + _____ = _____

Teacher: _____
 Sign: _____
 Date: _____

2

Deithi:

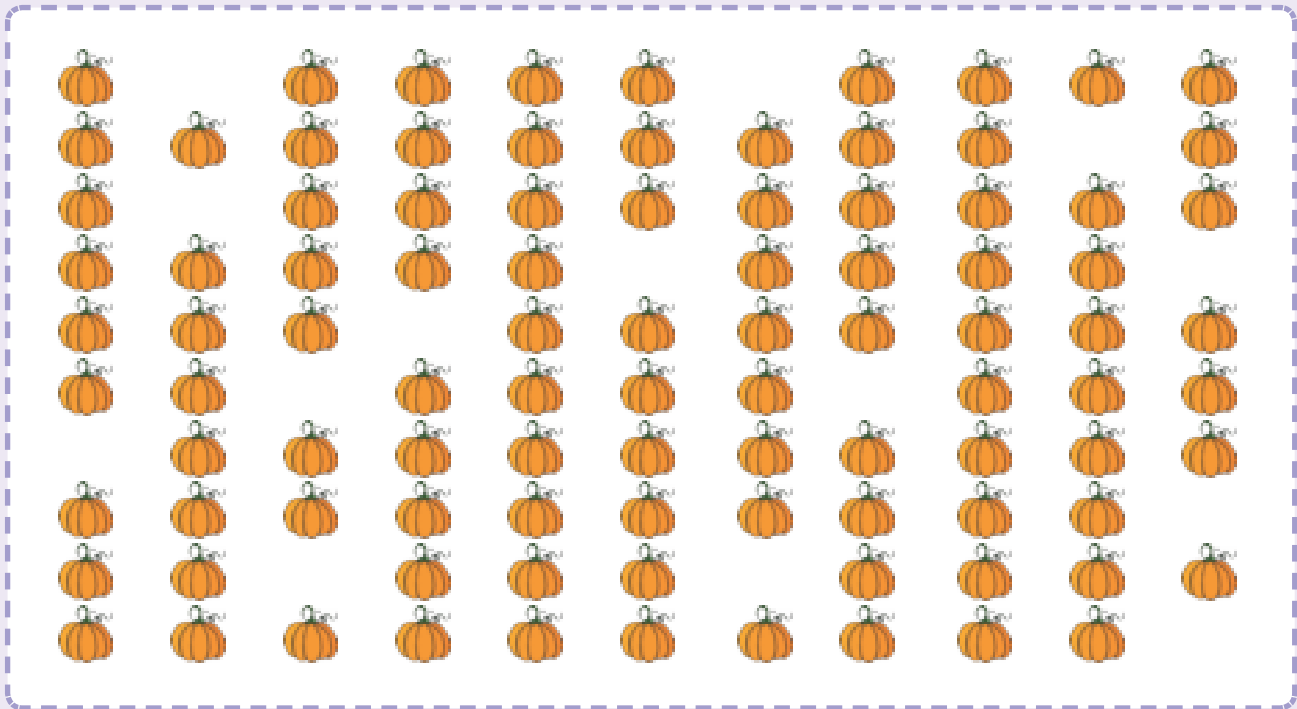
Themo ya I

U vhala nga vhuṭali



U vhala mafhuri

U wana ṅdila i leluwaho ya u a vhala.



Phindulo: _____



U paka mafhuri

Mafhuri a fumi a dzhena sagani ṽlithihi.



Ni nga ḍadza masaga mangana nga mafhuri? _____

O fhira nga mafhuri mangana? _____

Hu ṽodea maṽwe mafhuri mangana a u ḍadza saga ṽinwe hafhu? _____



U bva kha + u ya kha × (muṭanganyo u ya kha muandiso)

Fhedzisani mitalombalo.

Tsumbo:

$$10 + 10 + 10 + 10 = 40 \Rightarrow 4 \text{ vhuzhi ha } 10 = 40 \Rightarrow 4 \times 10 = 40$$



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

zwigwada zwa $\underline{\hspace{1cm}}$ zwa 10 $\Rightarrow \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

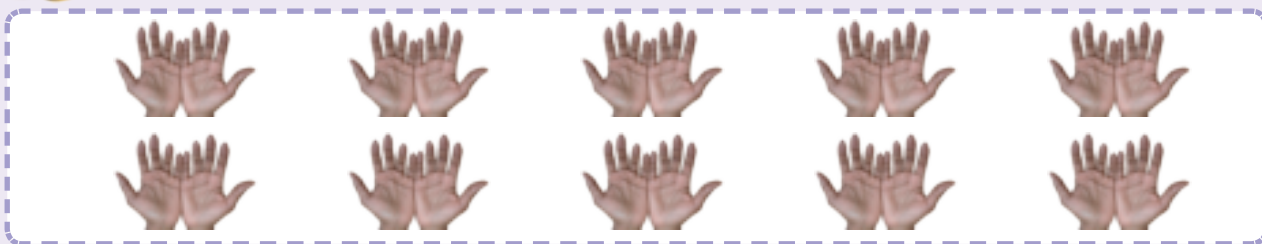


b. $10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

zwigwada zwa $\underline{\hspace{1cm}}$ zwa 10 $\Rightarrow \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$



Zwanda na minwe



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

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

Nwalani phindulo yanu nga ndila dza 2.

Zwigwada zwa $\underline{\hspace{1cm}}$ zwa 10 $\underline{\hspace{1cm}} =$ na $\underline{\hspace{1cm}} \times 10 = \underline{\hspace{2cm}}$



Teacher: _____
Sign: _____
Date: _____

Nomboro dzi re kha bodo ya maḡana

Themo ya I



U amba nga nomboro

Vhalani na u bula nomboro dzoṭhe u bva kha I – 100. Sumbani ni tshi khou ralo u bula.

I	2	3	4	5	6		8	9	10
11									
						27			
			34						40
41									
				55					
		63							
71									
					86				
			94						100



- Nwalani nomboro I no khou ṭahela kha tshibuḷoko tshiriwe na tshiriwe muvhala wa lutombo.
- Nwalani idzo dziṛiwe nomboro.
- Nomboro dza ṭaḡa ndi nomboroḡe?



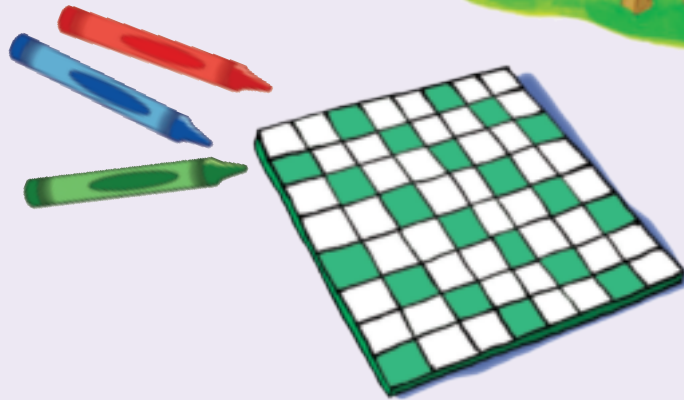
Nwalani nomboro nga maipfi.

90	futahe	41	
77		56	
14		65	



U vhalana u khalara

Dilugiseleni u vhalana u khalara!



<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr> <tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr> <tr><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td></tr> <tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td></tr> <tr><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td></tr> <tr><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td></tr> </table>	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	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	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr> <tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr> <tr><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td></tr> <tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td></tr> <tr><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td></tr> <tr><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td></tr> </table>	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	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	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr> <tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr> <tr><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td></tr> <tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td></tr> <tr><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td></tr> <tr><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td></tr> </table>	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	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
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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 dzi 0 u swika kha 100.	Nwalani nga dzi 5 u swika kha 80.	Nwalani nga dzi 2 u swika kha 50.																																																																																																																																																																																																																																																																																																												



Teacher: _____
 Sign: _____
 Date: _____

11 12 13 14 15 16 17 18 19 20

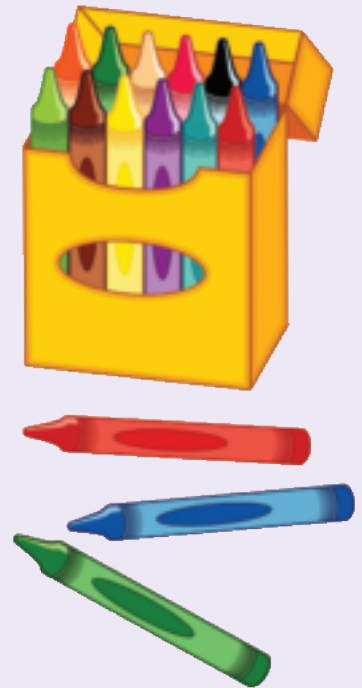
Nomboro dzi re kha bodo ya maḍana (dzi iswa phanda)

Themo ya I



U ṭala 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	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



Itani thiki kha 10 dzoṭhe.

Itani thiki kha 5 dzoṭhe.

Itani thiki kha 2 dzoṭhe.

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



U vhalo phetheni

Dzhenisani nomboro dzo tshelaho.

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: _____

11 12 13 14 15 16 17 18 19 20

Deithi:

4

Vhuimo ha nomboro

Themo ya 1



U sumbedza nomboro dzaṅu

Gerani magaraṭa a nomboro a tshi bva kha bammbiri la zwigeriwa la l. Shumisani magaraṭa kha u fhaṭa nomboro idzi.



19

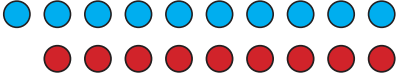
43

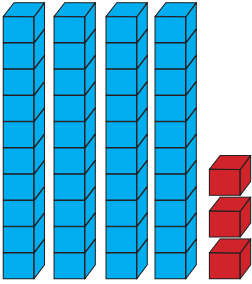
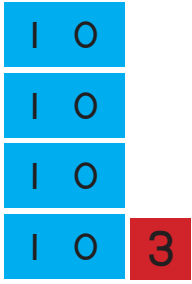
69

54

35

10 9

19   $10 + 9 = 19$

43   $40 + 3 = 43$

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

54

35

69



U ñwala nomboro idzi

Ro dzula ro ni itela ya u thoma

Ri nga kha di 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			



Ñwalani nomboro ðhanu dza u thoma, kha thebuļu i re afho nðha, dzi tshi tou tevhekana u bva kha ðhukhusa u ya kha khulwanesa.

_____ ; _____ ; _____ ; _____ ; _____

Teacher:

Sign:

Date:

Mutanganyo na mutuso



Tshitolo tsha Takalani

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

a. Ndi phakhethe nngana dze Takalani a rengisa? _____

b. Nwalani phindulo yaṅu sa fhungombalo.

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



Nwalani maṅwe mafhungombalo maṅanu ni tshi sumbedza phindulo i fanaho.

$$15 - 9 = 6 \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad} \quad \underline{\quad}$$



Ndovhololo ya nomboro

Nwalani phindulo.

$$1 + 2 = 3$$

Shumisani ...

+ - =

$10 + 5 = \square$	$11 + 6 = \square$	$14 - 9 = \square$	$14 - 8 = \square$
$11 + 5 = \square$	$17 + 2 = \square$	$19 - 7 = \square$	$14 - 5 = \square$
$12 + 6 = \square$	$3 + 13 = \square$	$16 - 5 = \square$	$16 - 13 = \square$
$17 + 2 = \square$	$4 + 15 = \square$	$15 - 10 = \square$	$19 - 7 = \square$



Miṅa ya nomboro

5

9

14

Tsumbo dza uno muṅa wa nomboro khedzi

$9 + 5 = \underline{14}$	$5 + 9 = \underline{14}$
$\underline{14} - 9 = 5$	$\underline{14} - 5 = 9$



Ni nga kona u wana miṭa yoṭhe ya nomboro 14?

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



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

12

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



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

6

Deithi:

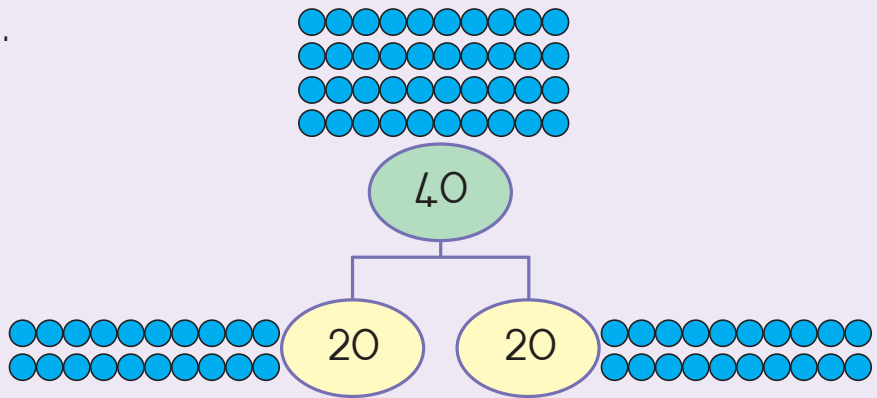
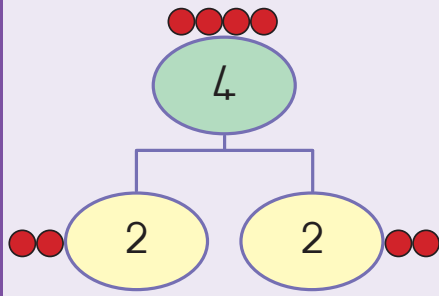
Nyingakavhili (Davhulu) na dzihafu

Themo ya I

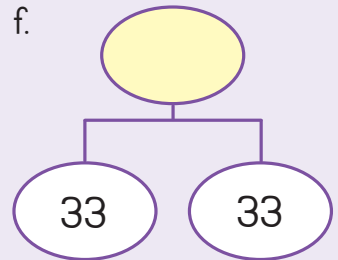
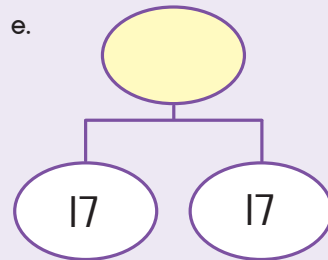
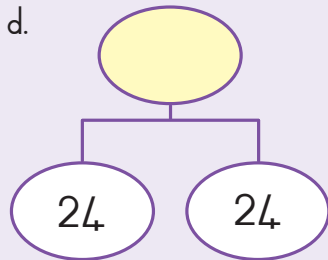
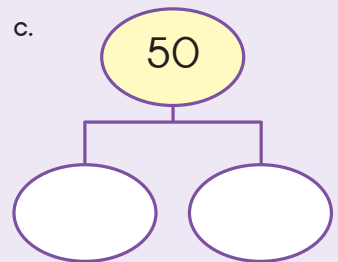
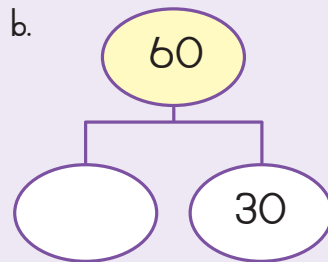
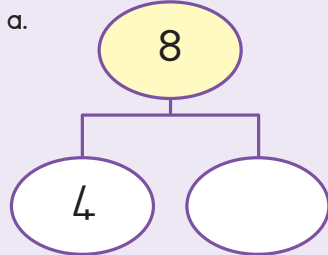
Ni kha di elelwa naa?

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

Ri nga sumbedza izwi nga nyolo ...



Wanani davhulu kana dzihafu



Khaedu

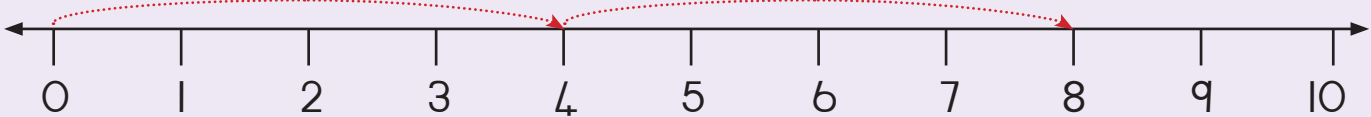
Wanani hafu nthihi ya 3.

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

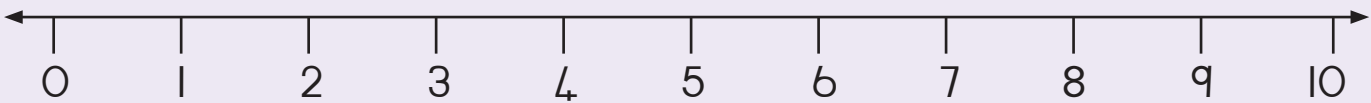


Ingani kavhili (davhulani) nomboro ni tshi shumisa mutalombalo. No newa tsumbo ya u thoma.

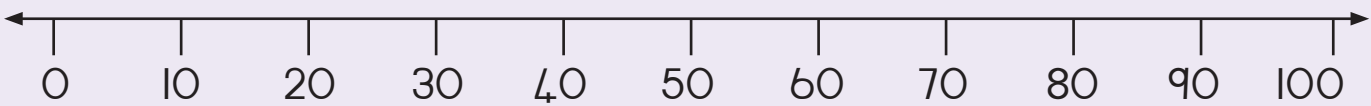
a. Ingani kavhili 4 + =



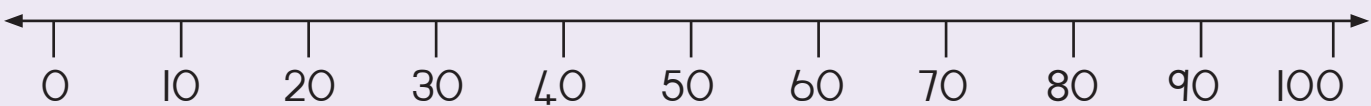
b. Ingani kavhili 5 + =



c. Ingani kavhili 20 + =



d. Ingani kavhili 40 + =



Fhedzisani zwi tevhelaho

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



Fhedzisani zwi tevhelaho

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



Teacher: _____
Sign: _____
Date: _____

Furakhisheni (zwipida)

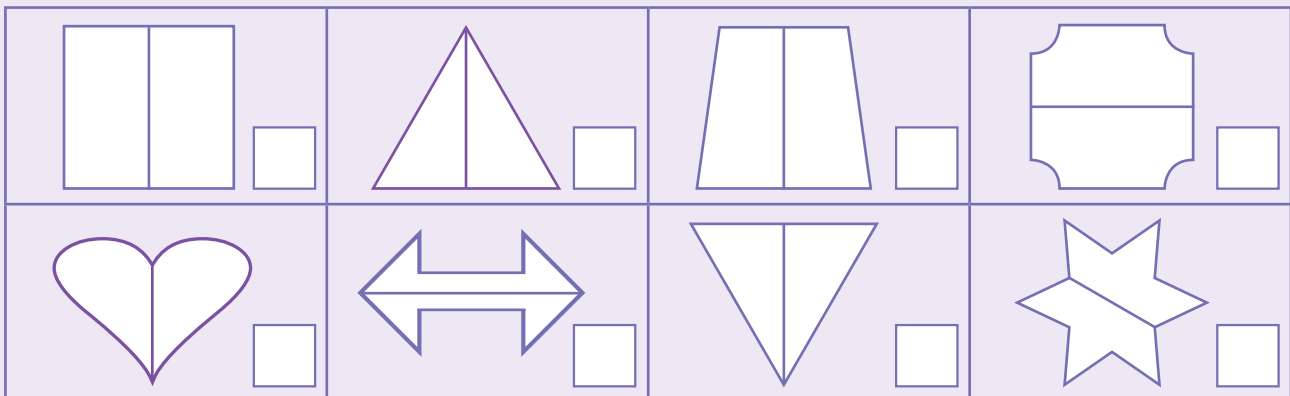
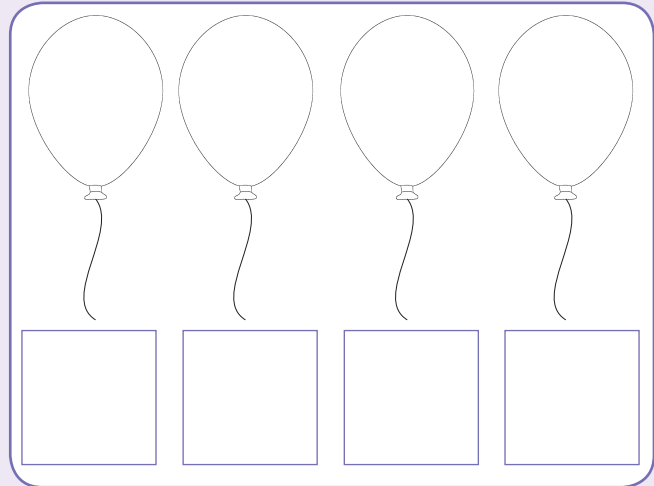
Khalarani kota nthihi ya mabaloni nga muvhala mutswuku ayo mariwe nga wa lutombo.

Khalarani hafu nthihi ya tshibogisi tshinwe na tshinwe nga muvhala mutswuku.

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

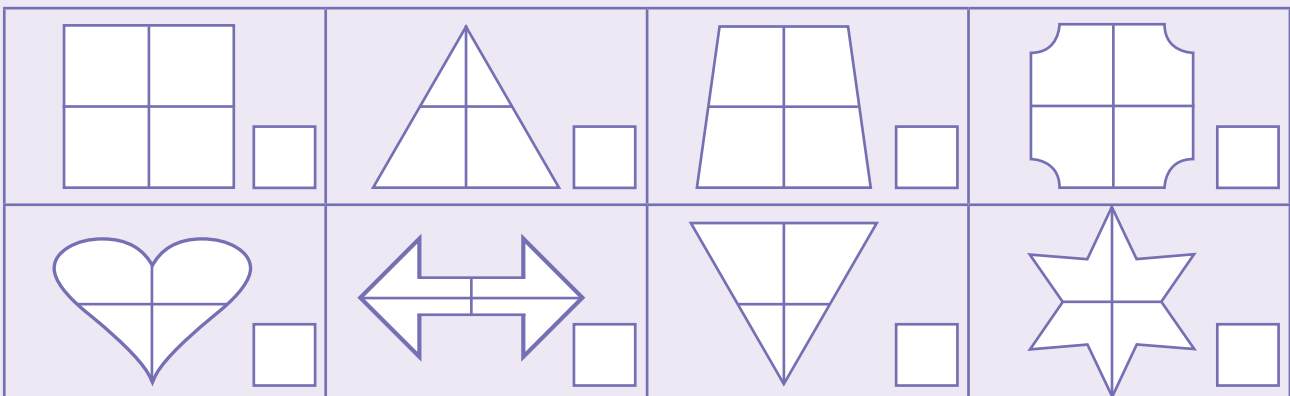


Khalarani hafu nthihi ya tshivhumbeo tshinwe na tshinwe tshe tsha fhandulwa tsha bva dzihafu.



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

Khalarani kota nthihi ya tshivhumbeo tshinwe na tshinwe tshe tsha fhandulwa tsha bva dzikota.





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

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



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

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



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



Olani zivhumbeo zwiñwe hafu u itela uri hafu inwe i lingane na inwe.

--	--	--



Olani zivhumbeo zwiñwe hafu u itela uri kota inwe i lingane na inwe.

--	--	--



Teacher: _____

Sign: _____

Date: _____

Deithi:

U vhekanya tshelede



Tshitokofelani

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



Anganyelani tshelede yothe. R _____

Vhalani tshelede. R _____

Vhambedzani zwe zwa anganyelwa na tshanganyelo.



U vhlunga tshelede

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

U swika zwino u na hafu ya tshelede iyo.

U toda vhugai nga nthu?

Nwalani fhungombalo la u sumbedza phindulo yanu.





Banngani

Maria u vhekanya tshelede ya bammbiri nga zwiṭhopho zwa 5.

O sala na inwe tshelede ya bammbiri.

Ñwalani ṭhanganyelo ya tshifanyiso tshinwe na tshinwe.



ṭhanganyelo	
	R _____
	R _____
	R _____



Khaedu

U dala zuu

Vhaaluwa na vhana vhanwe vha ya zuu.

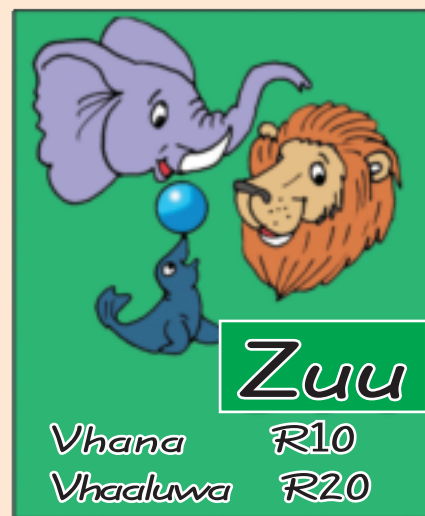
Vha renga thikhithi dza R90.

Vhana ndi vhangana? _____

Vhaaluwa ndi vhangana? _____

Hu na inwe phindulo naa?

Vhaaluwa _____ Vhana _____



Teacher: _____

Sign: _____

Date: _____

9

Deithi:

Phetheni

Themo ya I



Shumisani bodo iyi ya nomboro ya 200 kha u fhindula mbudziso

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	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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	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.

105, 110, 115, _____	87, 90, 93, _____
36, 40, 44, _____	184, 186, 188, _____
70, 65, 60, _____	138, 135, 132, _____
180, 176, 172, _____	14, 12, 10 _____



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

U vhalela nga ṭhanu.

			5				10

U vhalela nga mbili.

	2		4				

U vhalela nga tharu.

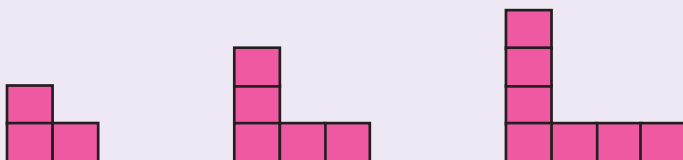
		3		6			

U vhalela nga mahumi.

							10



Tharamudzani phetheni



Teacher: _____

Sign: _____

Date: _____

10

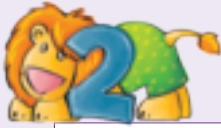
Deithi:

Themo ya 1

Bola, zwibogosi na silinda



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

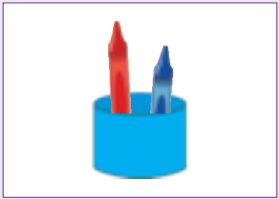


Khalarani phindulo i re yone.



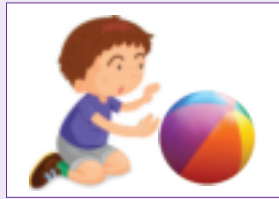
Bogisi li a

swenda kunguluwa



Silinda li a

swenda kunguluwa




Bola li a

swenda kunguluwa




Khalarani phindulo i re yone.




lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi




lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi




lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi




lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi




lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi



lumeme lwa tshipulumbu
(khulungwa)

lumemetswititi




lumeme lwa tshipulumbu
(khulungwa)


lumemetswititi




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




murahu ha	phanda ha
tsini na	n̄ha ha



murahu ha	phanda ha
tsini na	n̄ha ha



murahu ha	phanda ha
tsini na	n̄ha ha



murahu ha	phanda ha
tsini na	n̄ha ha

Teacher:

Sign:

Date:

Deithi:

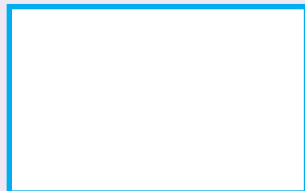
Olani, ni bule madzina na u vhambedza zwivhumbeo zwa 2-D

Themo ya I



U ola zwivhumbeo

Thiraiengele



Tshitendeledzi



Tshikwea



Rekihiengele



U vhalala zwivhumbeo

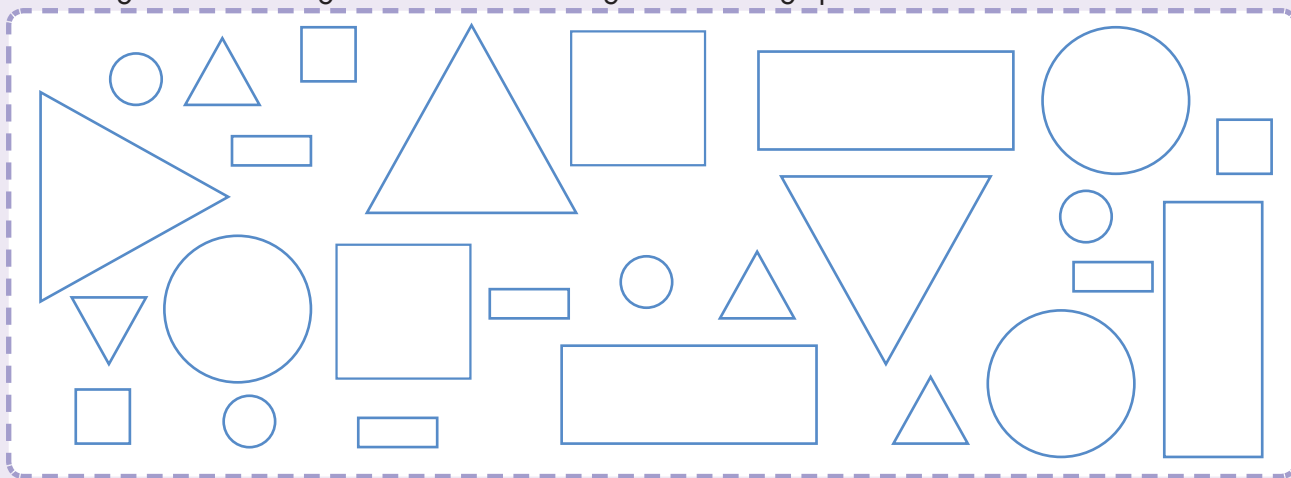
Vhalani uri ndi zwivhumbeo zwingana zwi ngaho itshi zwine ni nga zwi wana tshifanyisoni.








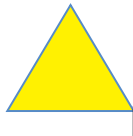
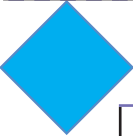
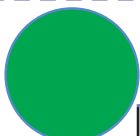


Khalarani zwothe

zwitendeledzi zwiḥulwane nga muvhala mutswuku; zwitendeledzi zwiṭuku nga mudala;
 thiraiengele khulwane nga wa lutombo; thiraiengele ṭhukhu nga tshitopana;
 zwikwea zwiḥulwane nnga ṭaḍa; zwikwea zwiṭuku nga phephulu;
 rekithiengele khulwane nga buraweni; rekithiengele ṭhukhu nga pinki.



Hu na vhurumbu (matungo) vhugana?

Tshivhumbeo tshirwe na tshirwe tshi na vhurumbu vhugana? Nwalani nomboro i re kha tshibuloko. Ro ni itela nthihi. Vhurumbu ndi tswititi kana ndi tshipulumbu? Khalarani phindulo i re yone.

 <table border="1"> <tr><td></td><td>3</td></tr> <tr><td>tswititi</td><td>tshipulumbu</td></tr> </table>		3	tswititi	tshipulumbu	 <table border="1"> <tr><td></td><td></td></tr> <tr><td>tswititi</td><td>tshipulumbu</td></tr> </table>			tswititi	tshipulumbu	 <table border="1"> <tr><td></td><td></td></tr> <tr><td>tswititi</td><td>tshipulumbu</td></tr> </table>			tswititi	tshipulumbu	 <table border="1"> <tr><td></td><td></td></tr> <tr><td>tswititi</td><td>tshipulumbu</td></tr> </table>			tswititi	tshipulumbu
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tswititi	tshipulumbu																		
tswititi	tshipulumbu																		
tswititi	tshipulumbu																		
tswititi	tshipulumbu																		

Teacher: _____
 Sign: _____
 Date: _____

U tshimbila ha tshifhinga



U vhala tshifhinga

Ndi zwifhinga zwifhio zwine watshi idzi dza luvhondoni dza sumbedza?



Awara ya _____ Awara ya _____ Awara ya _____ Awara ya _____



Thamuwani ni tshi mona na watshi

Thusani Minnie Mouse u vhala miminete nga dzi5.

Thomani kha I2. Ni mone nayo yotlhe.



Ni vha no vhala miminete mingana? _____

Hu na miminete mingana kha awara ya I. _____



U iwala tshifhinga

Olani mananga ni tshi sumbedza zwifhinga.



kotara u bva kha
awara ya 6



hafu u bva kha
awara ya 8



kotara u ya kha
awara ya 11



hafu u bva kha
awara ya 5



Zander u ya tshikoloni.



U bva hayani.



U swika tshikoloni.

Zander u dzhia tshifhinga tshingafhani? _____



Duvha la u baka

Vho Maria vha baka vhurotho.



Vhurotho vhu dzhena ovenini.



Vhurotho 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			

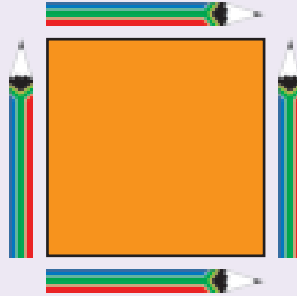
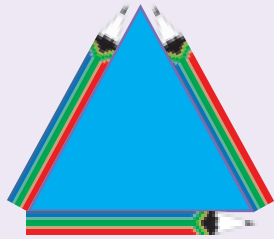


b. Jabu u fhedza miminete ya 45 u ya tshikoloni. Pfano u fhedza tshifhinga itshi luvhili.

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

Teacher: _____
 Sign: _____
 Date: _____

U pima vhulapfu/vhunavho



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



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

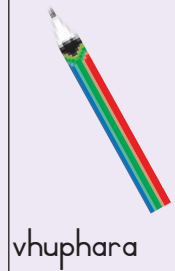


A thi divhi uri rekithiengele iyi i nga vha i na vhulapfu na u t̄andavhuwa zwingafhani.

Rekithiengele iyi i na vhulapfu vhungafhani ha pinisela?

Rekithiengele iyi i na u t̄andavhuwa vhungafhani ha pinisela?

vhulapfu



No shumisa pinisela nga n̄ilade kha u vhala?

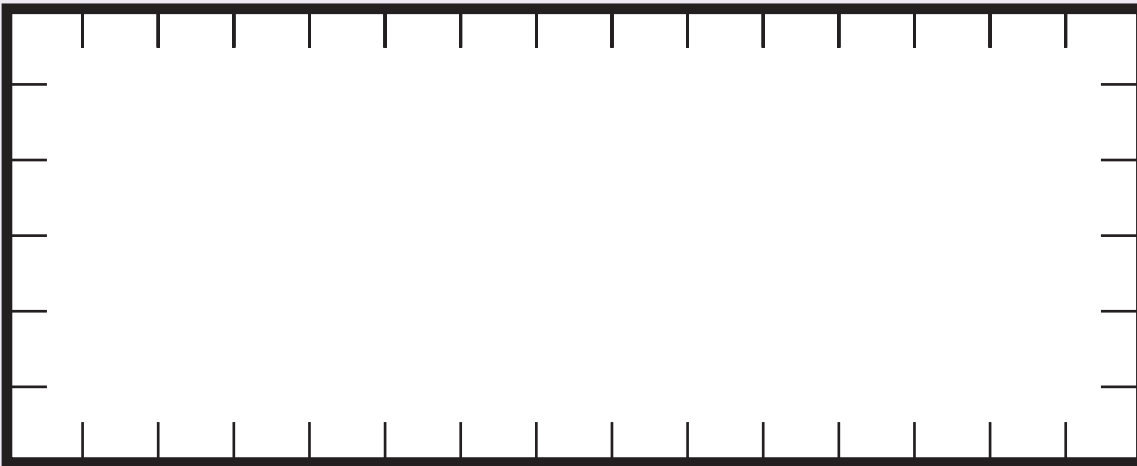


Tshibulebule tsha vhulapfu

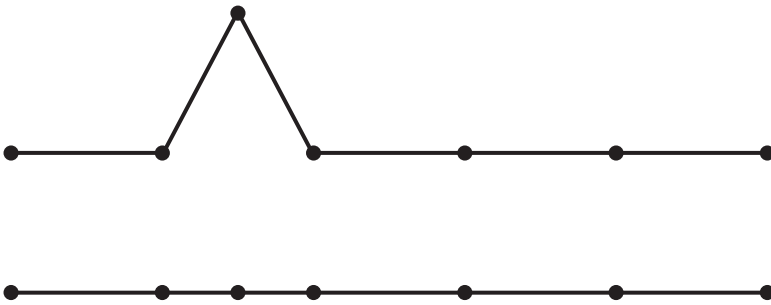
a. Ndi mitalo mingana miset̄ha ine na i t̄oda uri ni kone u tiba mutalo mutswu?



b. Ndi mitalo mingana miset̄ha ine na i t̄oda uri ni do kona u mona na rekhiengele?



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



Phindulo _____

Ndi ngani? _____

Teacher: _____

Sign: _____

Date: _____



Khaphasithi (ndadzo)

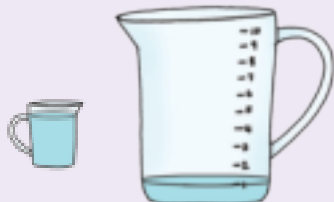
Ndo no shela
lebula nna
khaphuni

Ndi khaphu nngana hafhu dza maḡi dzine dza nga ḡadza tshifaredzi (mudzi)?



Hu na khaphu nngana dza maḡi kha tshifaredzi? Ri ḡoḡa khaphu nngana hafhu uri ri ḡadze tshifaredzi?

a.



Kha tshifaredzi: Hu ḡoḡa hafhu:

b.



Kha tshifaredzi: Hu ḡoḡa hafhu:

c.



Kha tshifaredzi: Hu ḡoḡa hafhu:

d.



Kha tshifaredzi: Hu ḡoḡa hafhu:

e.

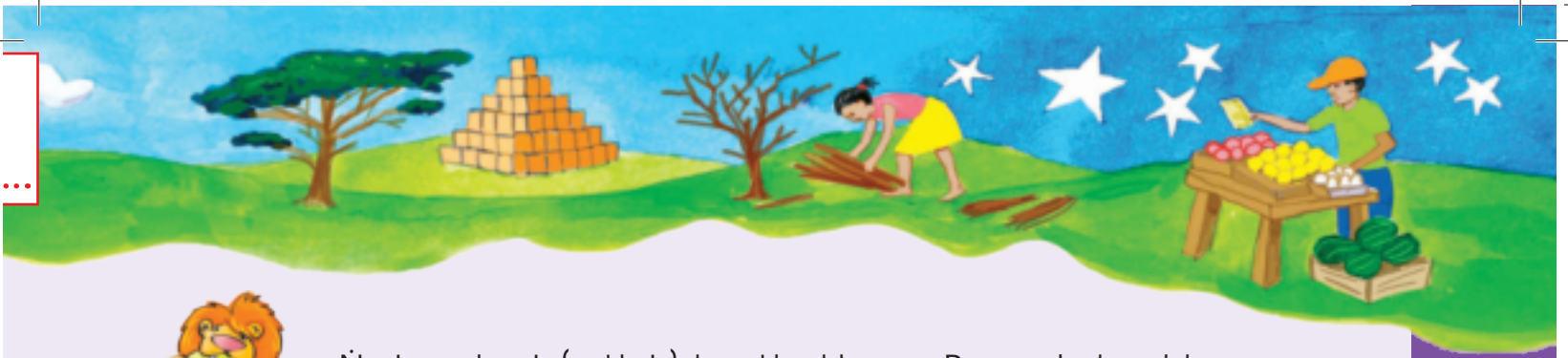


Kha tshifaredzi: Hu ḡoḡa hafhu:

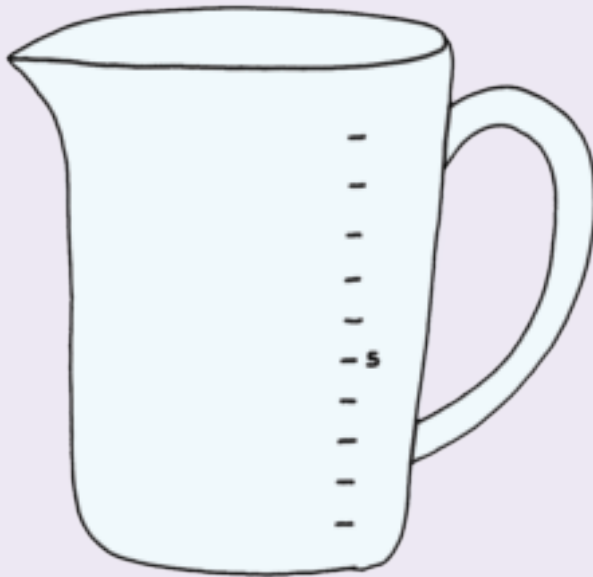
f.



Kha tshifaredzi: Hu ḡoḡa hafhu:



Nwalani inthevala (zwickhala) 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:

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



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















Teacher: _____

Sign: _____

Date: _____

U ṭanganya na u ṭusa (tsheleme)



Kha ri kale tshileme tshashu!

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

Ri kala tshileme nga **dzikhilogireme**.
Ri shumisa abiriviesheni iyi: kg. Ndi nnyi a no lemelesa?



41 kg



38 kg



41 kg



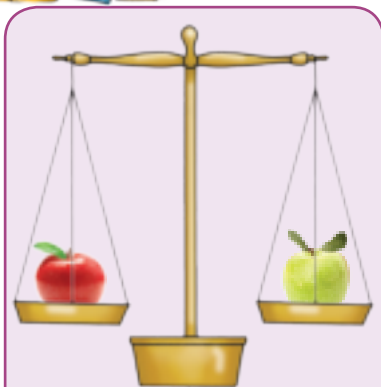
42 kg



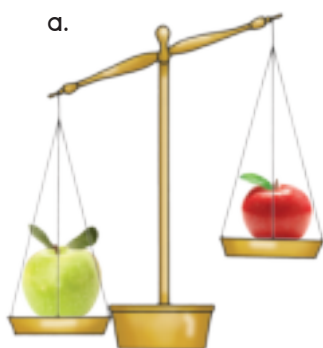
39 kg



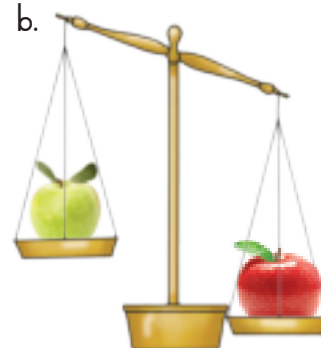
Ri shumisa tshikalotshilinganyisi (tsha balantsi) kha u kala tshileme.



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



a.



b.

Fhindulani mbudziso. Nwalani a kana b.
Ndi kha tshikalalo tshifhio hune apula lidala la lemelesa u fhira apula litswuku? Ndi kha tshikalalo tshifhio hune apula litswuku la lemelesa u fhira apula lidala?



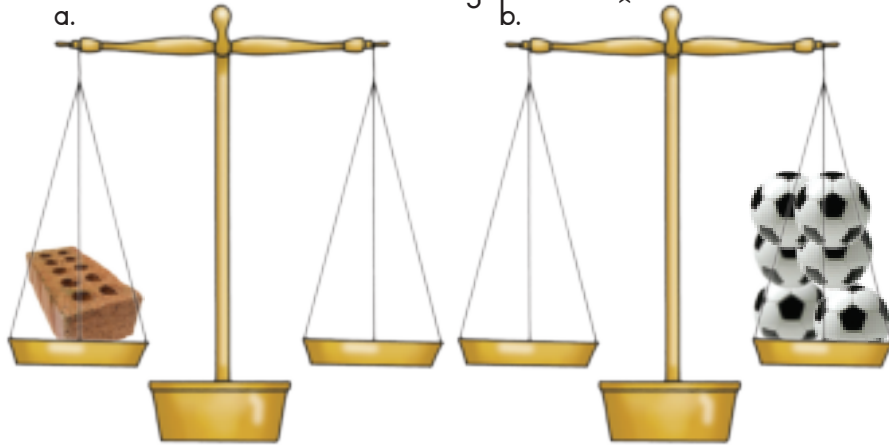
Linganyisani zwikalo

Ro dzula ro ni itela ya u thoma.



Zwidina zwivhili zwi lemela u fana na bola nna.

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



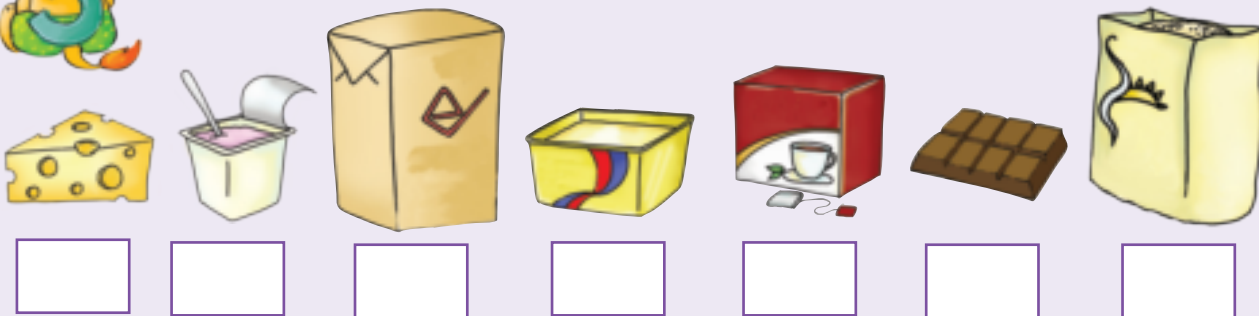
Arali phasela nthihi i tshi lemela 3kg. Dza..... dzi do lemela mini?

- Phasela dza 2 _____
- Phasela dza 3 _____
- Ndi nga kona u kala phasela dza 4. nga luthihi kha itshi tshikalo tsha khishini? _____

Ngani? _____



Itani thiki kha zwifaredzi zwi no hwala phakhethe dza 1 kg.



Teacher:

Sign:

Date:



Zwienda kilasini

U shumisa data

Vhalani tshitori

Thabo: Ndi zwavhudi, mufumakadzana! Jack ndi muswonda!
U ambara saizi 6 ya zwienda!



Mufumakadzi: Zwo luga! Yoo, Thabo, saidzi iyo yo hulesa kha muthu wa minwaha ya t̄ahe!
Thabo, inwi ni ambara saizi ifhio ya tshienda? Ndi saizi ifhio ine vhanwe vhot̄he
kilasini vha ambara? Kha ri ite t̄hodisiso!

Vhagudi vha nga bula saizi dzavho nga muthihi nga muthihi.

Mufumakadzi Vho Khoza vha n̄wala saizi kha bodo ya u n̄walela.

Mufumakadzi: Vhalani, ni kone u n̄wala uri saizi in̄we na in̄we yo n̄walwa lungana kha thebulu.

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

Dadzani thebulu i re afho fhasi.

Saizi dza zwienda zwi re kilasini					
Saizi 1	Saizi 2	Saizi 3	Saizi 4	Saizi 5	Saizi 6



Zwino olani girafu ya zwifanyiso (phikhithogirafu)



= mugudi muthihi

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

Zwino fhindulani mbudziso idzi.



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



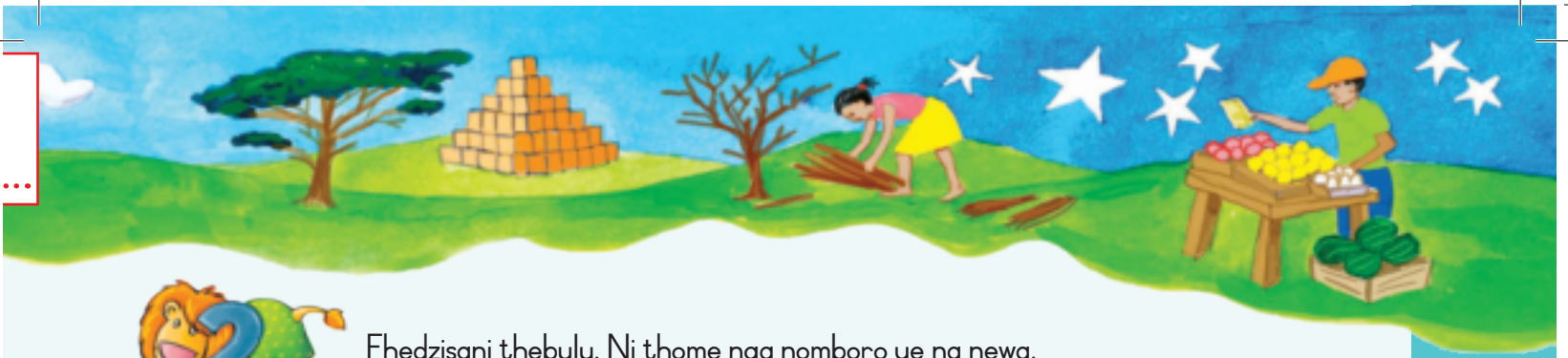
Zwino inwivho?

Wanani uri ndi saizi dzif hio dza zwienda dzine inwi na khonani dzaṅu na ambara!

- Shumani nga tshigwada tsha vhana vha 6 u swika kha 8.
- Kuvhanganyani data yaṅu.
- Nwalani tshivhalo tsha saizi dza zwienda kha thebuḽu.
- Vhambedzani phindulo dzaṅu na zwiṅwe zwigwada.



Teacher: _____
 Sign: _____
 Date: _____



Fhedzisani thebulu. Ni thome nga nomboro ye na newa.

	nنزhi nga nthihi	تھukhu nga nthihi	nنزhi nga fumi	تھukhu nga fumi
25				
39				
74				
56				
40				



Tangedzelani nomboro khulwanesa

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

Tangedzelani nomboro tھukhusa

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



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

32 < 64 23 > 18

57 98 89 57



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



Teacher: _____

Sign: _____

Date: _____

Vhuimo ha nomboro u swika kha 99



U sumbedza nomboro ni tshi shumisa zwithu

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

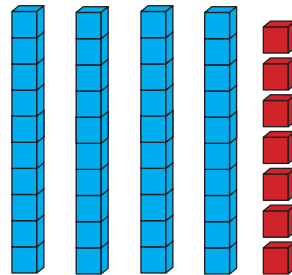
Tshiḅuloḅo tshiḅuku tshi imela I. Ndi yuniti.

Rodo ya zwiḅuloḅo zwiḅuku zwa IO i imela IO. Ndi IO.

Mahumi	Yuniti

Ni nga sumbedza nomboro ni tshi shumisa mahumi na yuniti.

Ni nga sumbedza 47 nga hei ḅila.



Mahumi	Yuniti
4	7

fuiḅasumbe
47



U ḅwala nomboro nga dzididzhi na maipfi

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

Mahumi	Yuniti	Mahumi	Yuniti	Mahumi	Yuniti
3	1				
31 furaruthihi		_____		_____	



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

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



Nomboro ndi ifhio?

	 	<table border="1"> <thead> <tr> <th>Mahumi</th> <th>Yuniti</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>5</td> </tr> </tbody> </table> <p>furarutḡhanu 35</p>	Mahumi	Yuniti	3	5
Mahumi	Yuniti					
3	5					
		<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>_____</p>	Mahumi	Yuniti		
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Mahumi	Yuniti					



Teacher: _____
Sign: _____
Date: _____



U vhea mahumi fhethu huthihi musi ri tshi t̄anganya na 99

<p>Inwe n̄dila ya u sumbedza 22 kheii.</p> <table border="1"> <thead> <tr> <th>Mahumi</th> <th>Yuniti</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>fumi 1</td> <td>nthihi dza 12</td> </tr> <tr> <td>10</td> <td>10 2</td> </tr> </tbody> </table>		Mahumi	Yuniti			fumi 1	nthihi dza 12	10	10 2	<p>Hu na yuniti dza 12. Ri ̄o vhea 10 wadzo kha tshigwada.</p> <p>Ri ̄o vhea yuniti dza 10 kha tshigwada</p>		<p>Zwino ri na inwe n̄dila 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> <tr> <td>mahumi 2</td> <td>nthihi 2</td> </tr> <tr> <td>2</td> <td>2</td> </tr> </tbody> </table>		Mahumi	Yuniti			mahumi 2	nthihi 2	2	2
Mahumi	Yuniti																				
fumi 1	nthihi dza 12																				
10	10 2																				
Mahumi	Yuniti																				
mahumi 2	nthihi 2																				
2	2																				

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

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



Nwalani fhungombalo lo sumbedzwaho nga tshifanyiso

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

Fhedzisani zwifanyiso. Nwalani mafhungombalo a re tshifanyisoni.

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

Teacher:

Sign:

Date:

Tanganyani kha mutalombalo

Dzulani desikeni yanu!

Tshikoloni tshashu mugudi muḽwe na muḽwe u na desike yawe.

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

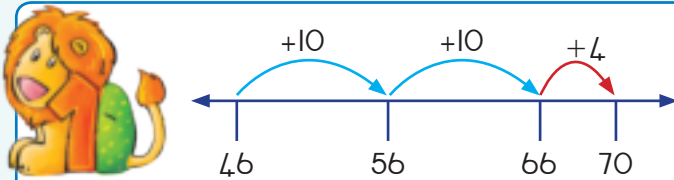
Ndi desike nngana dzine ra ṭoda kilasini vhuvhili hadzo?



Shumani na muḽwe 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 tanganyisa 10. Izwi zwi ntswikisa kha 56.

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

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

Sumbedzani nga garaṭa dzanu dza nomboro.

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

$$= 56 + 10 + 4$$

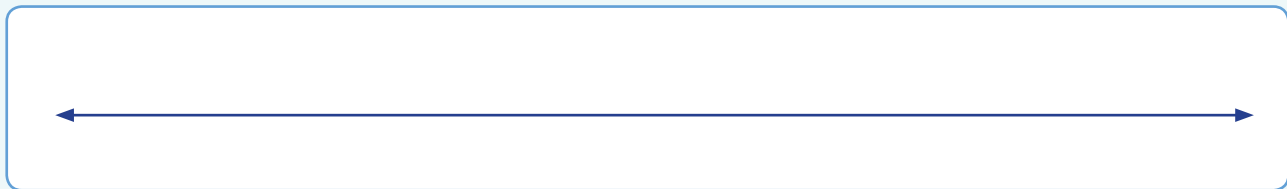
$$= 66 + 4$$

$$= 70$$

Ndi tea u tanganya 24 kha 46.



a. $32 + 25 =$

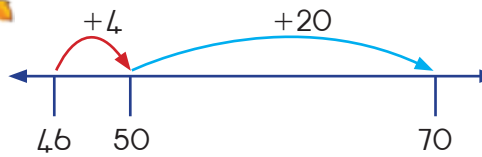




b. $52 + 26 = \square$

←
→

c. $46 + 25 = \square$



Ndi tea u tanganya 24 kha 46.



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

Sumbedzani nga garaṭa dzaṅu dza nomboro.

$$= 40 + 10 + 20$$

$$= 50 + 20$$

$$= 70$$

a. $36 + 41 = \square$

←
→

Teacher: _____

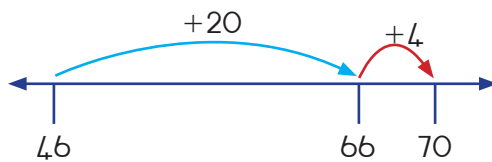
Sign: _____

Date: _____



Tanganyani kha mutalombalo (hu iswa phanda)

b. $57 + 19 = \square$



Ndi tea u
tanganya 24
kha 46.



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

Ri nga kha di shumisa na garaṭa dza nomboro

$$= 46 + 20 + 4$$

$$= 66 + 4$$

$$= 70$$

a. $63 + 24 = \square$



b. $65 + 29 = \square$







Tanganyani kha mutalombalo (hu iswa phanda)



Ndi lofo nngana?

Mubaki u d̄isa 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 nd̄ila yaṅu. Shumisani ngona (nd̄ila) inwe na inwe ine na funa.

$$38 + 24 =$$

$$58 + 17 =$$

$$75 + 16 =$$

$$83 + 29 =$$

Teacher:

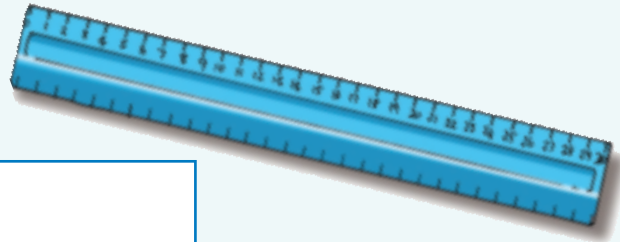
Sign:

Date:

Tusani kha mutalombalo

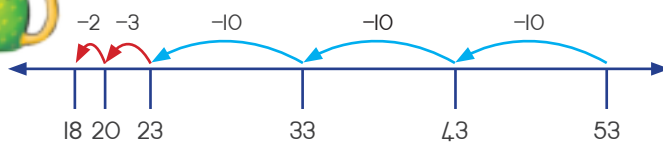
Mugudi muthihi! Rula nthihi!

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

Ndi nngana dzine na dzi tōḡa? $53 - 35 =$ 

Shumani na muḡwe nga inwi

Vhalani uri vḡagudi vhararu vhenevhaḡa vḡathihi vḡa shumisa hani mutalombalo afḡa. Fhedzisani tḡhanganyelo ni tshi shumisa tsumbo.



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



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

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

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

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

$$= 23 - 3 - 2$$

$$= 20 - 2$$

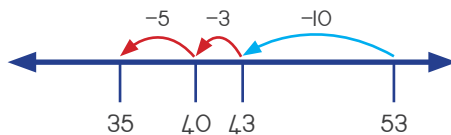
$$= 18$$



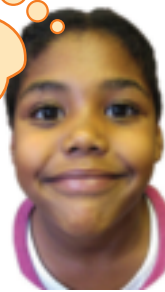
a. $68 - 24 = \square$

b. $74 - 38 = \square$

c. $92 - 87 = \square$



Mutuso zwi amba uri wanani phambano vhukati ha 53 na 35.



Ndi go 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 afho nda vhala ndi tshi humela murahu nga 5 haf hu u swika kha 35.

10 ra t̄anganya na 3 ra t̄anganya na t̄hanu ndi 18. Zwi amba uri ri t̄oda ruḽa dziṛiwe dza 18.

a. $38 - 14 = \square$

Teacher: _____

Sign: _____

Date: _____



21b

Deithi:

Themo ya I

Tusani kha mutalombalo (hu iswa phanda)

b. $65 - 43 = \square$

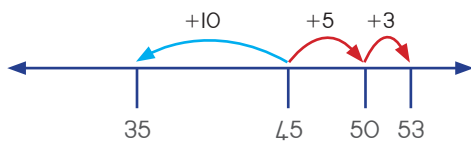
Blank area with a horizontal double-headed arrow for calculation.

c. $72 - 39 = \square$

Blank area with a horizontal double-headed arrow for calculation.

d. $85 - 48 = \square$

Blank area with a horizontal double-headed arrow for calculation.



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 tanganya na thanu ra tanganya na raru ndi 18. Ri toda ruḽa dziḽwe dza 18.

a. $84 - 32 = \square$

Blank area with a horizontal double-headed arrow for calculation.



b. $96 - 53 = \square$

c. $78 - 19 = \square$

d. $63 - 47 = \square$



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

Themo ya I




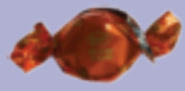


Pulane ya u thoma!

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

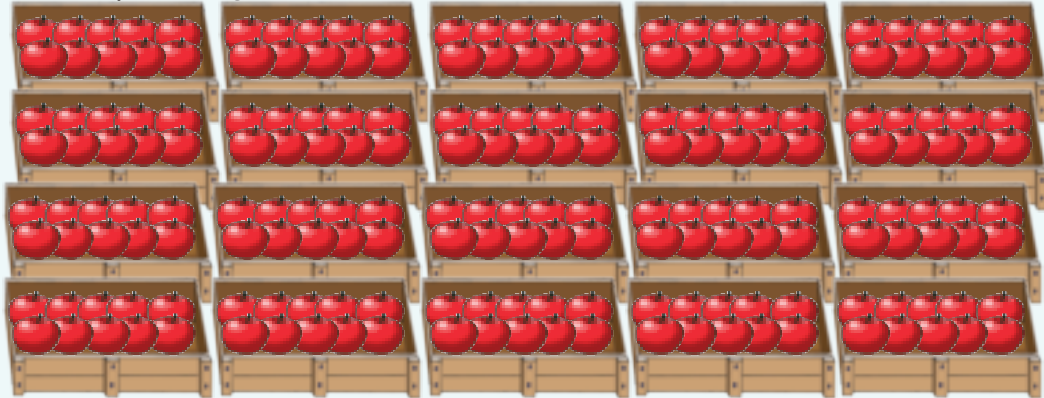


Vhalani, ni riwale uri ndi khonani nngana dzo nangaho lushaka luñwe na luñwe lwa zwiliwa.

				
Nomboro				

U vhala u swika kha 200

Ndi maapula mangana ane na kona u a vhona?



Dzhenisani nomboro

Bogisi la li na maapula a

Rou ya li na maapula a

Rou ya li na mabogisi a

Rou dza 4 dzi na maapula a



Hu na maapula a 10 bogisini linwe na linwe. Ndi maapula mangana a re hone?

a.

b.

c.

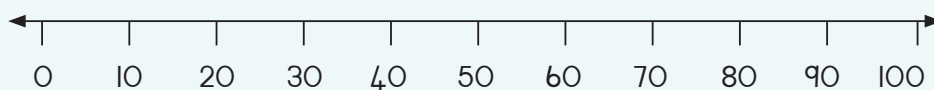


Zwisumbedzeni kha mutalombalo.

a. Hu do vha na maapula mangana mabogisini ma \grave{a} anu?



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





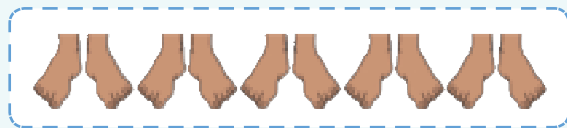
zwiṭhopho (loto) zwa 3 zwa 10 zwi ita – $3 \times 10 = 30$ kana $10 \times 3 = 30$

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

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

Phere dza 5 dza milenzhe.

Hu na zwiḱunwe zwingana zwo ṭangana zwoṭhe?



$10 + 10 + 10 + 10 + 10 = 50$ $5 \times 10 =$

kana $10 \times 5 =$

Shumisani ndila yenyi kha u shuma hedzi.

Phere dza 4 dza ṅayo. Hu na zwiḱunwe zwingana zwo ṭangana zwoṭhe?

= \times = kana \times =

Phere dza 3 dza ṅayo. Hu na zwiḱunwe zwingana zwo ṭangana zwoṭhe?

= \times = kana \times =



Kha ri vhale (vhalele)

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

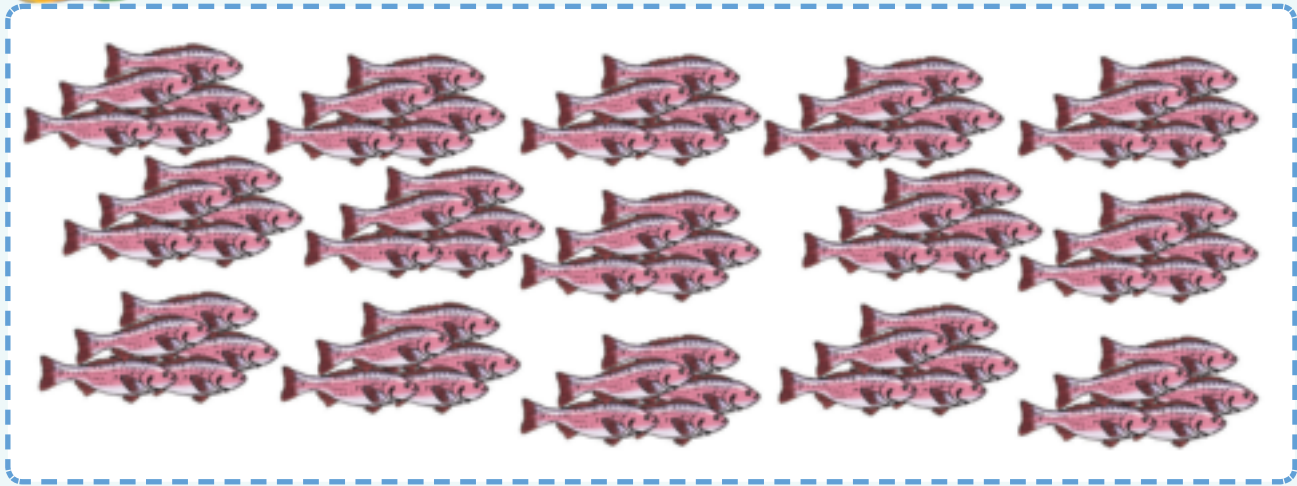
_____, _____, _____, _____, _____, _____, _____, 200



U ita ndowendowe nga 5



Hu na khovhe nngana? Anganyelani



Zwino vhalani khovhe. Wanani t̄hanganyelo.



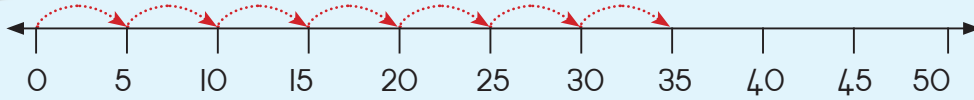
Vhalani nga 5

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

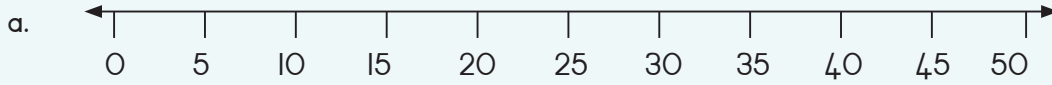
Khovhe na makumba	Hu na makumba mangana o t̄angana othe?	
Khovhe dza 5, inwe na inwe i kudzela makumba a 2	$2 + 2 + 2 + 2 + 2 = 10$	$5 \times 2 = 10$
Khovhe dza 5, inwe na inwe i kudzela makumba a 10		
Khovhe dza 5, inwe na inwe i kudzela makumba a 4		
Khovhe dza 5, inwe na inwe i kudzela makumba a 3		
Khovhe dza 5, inwe na inwe i kudzela makumba a 6		
Khovhe dza 5, inwe na inwe i kudzela makumba a 8		
Khovhe dza 5, inwe na inwe i kudzela makumba a 5		



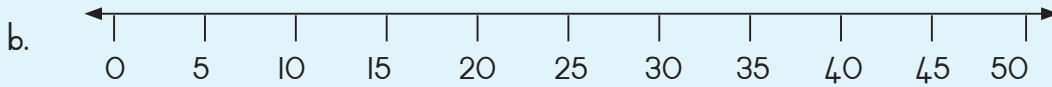
Fhedzisani mafhungombalo na mitalombalo



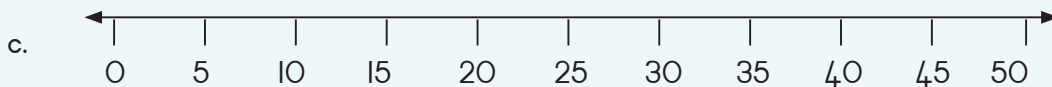
$5 + 5 + 5 + 5 + 5 + 5 + 5 = 35$ kana $7 \times 5 = 35$



$5 + 5 + 5 + 5 = \square$ kana $\square \times \square = \square$



$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \square$ kana $\square \times \square = \square$



$_ + _ + _ + _ + _ + _ + _ + _ + _ = \square$ kana $10 \times 5 = 50$



U rea khovhe

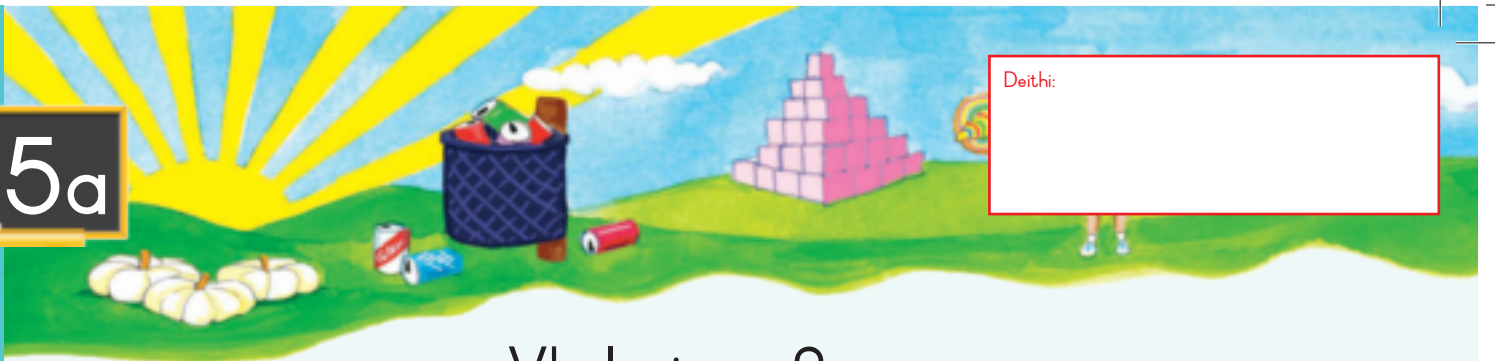
Sipho u fasha khovhe dzi re vhukati ha 40 na 50. U dzi vhala nga dzi2 ha vha na ya l yo salaho.

U dzi vhala nga dzi5 ha vha na dza 2 dzo salaho. Sipho u fasha khovhe nngana?

Teacher:

Sign:

Date:



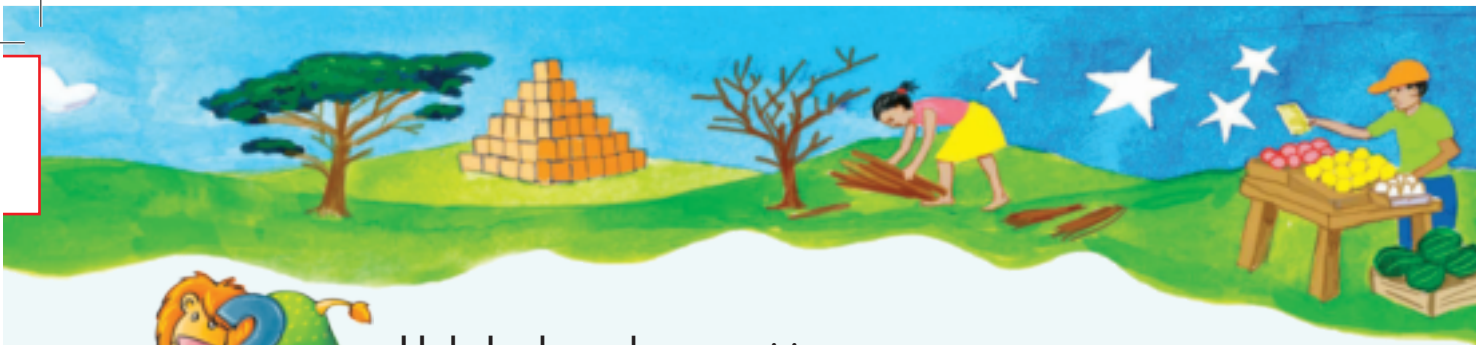
Vhalani nga 2



U vhalala masogisi



- a. Hu na phere nngana dza masogisi? _____
- b. Hu na masogisi mangana? _____
- c. Hu na masogisi o salaho? _____



U vhalo phere dza masogisi

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

Masogisi	Tshivhalo tsha phere	Tshivhalo tsha sogosi	Ho sala sogisi nthihi



Teacher: _____

Sign: _____

Date: _____

25b

Deithi:

Themo ya I



U vhala nga 2 (u iswa phanda)

U fhaṭa phere

Ñwalani nomboro dza ivini na dza odo u thoma kha I u swika kha 60.

a. Ñwalani nomboro dza ivini dza u thoma kha I – 60.

2, 4, 6,

b. Ñwalani nomboro dza odo dza u thoma kha I – 60.

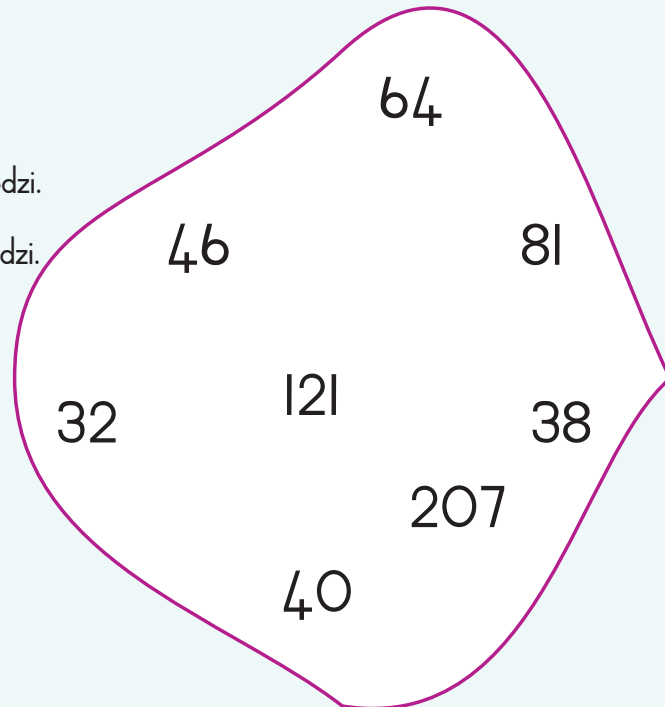
3, 5, 7,



Dzido na dziivini

Tangedzelani nomboro dza ivini nga zwitendeledzi.

Tangedzelani nomboro dza odo nga zwitendeledzi.





U bva kha phere u ya kha masogisi

Tsumbo:

Sogisi dza 2 = phere ya 1



$$2 \times 1 = 2$$

Sogisi dza 20 = phere dza 10

$$2 \times 10 = 20$$

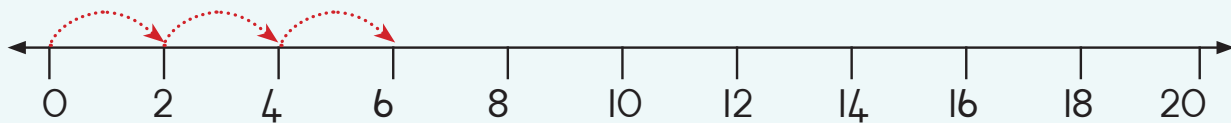
a. Nwalani uri ndi masogisi mangana.

Humbulani nga 2	Fhungombalo
1 phere = masogisi a 2	$2 \times 1 = 2$
2 phere = masogisi a _____	$2 \times 2 = \square$
4 phere = masogisi a _____	
8 phere = masogisi a _____	
9 phere = masogisi a _____	

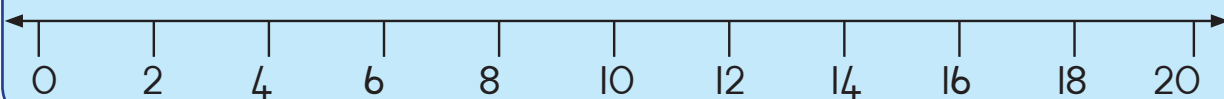
b. Sumbedzani mbalo kha mutalombalo ni fhedzise.

Tsumbo:

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



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



Teacher:

Sign:

Date:

Tshelede kale na zwino



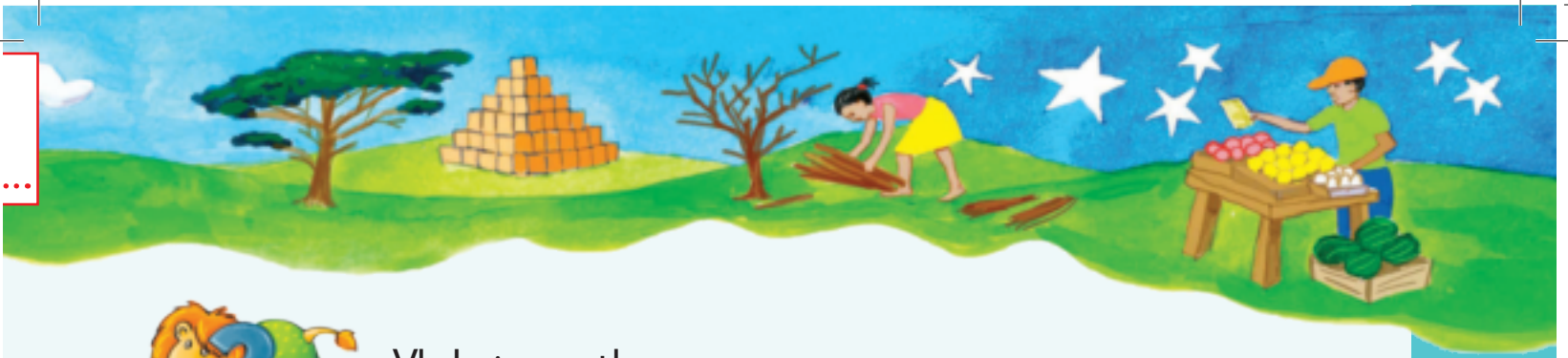
Nganetshelo ya tshelede yashu

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

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



<p>Ndo shumisa khoini tshukhusa kha u badela zwithu zwinzhi. Zwithu zwo vha zwi sa duri tshifhingani tshila!</p>	<p>Ee, ni amba ngoho, ha tsha itiwa!</p> <p>Fhedzi, Makhulu, a thi athu u vhona khoini tsetha dza I na 2.</p>
<p>Mirwahani i swikaho henefha kha 50 yo fhiraho ro vha ri tshi shumisa bonndo, sheleni na peni.</p>	<p>Ee, Ndi a elelwa! Bonndo ya I ho vha hu sheleni dza 20, ngeno sheleni ya I ho vha hu peni dza 12.</p>



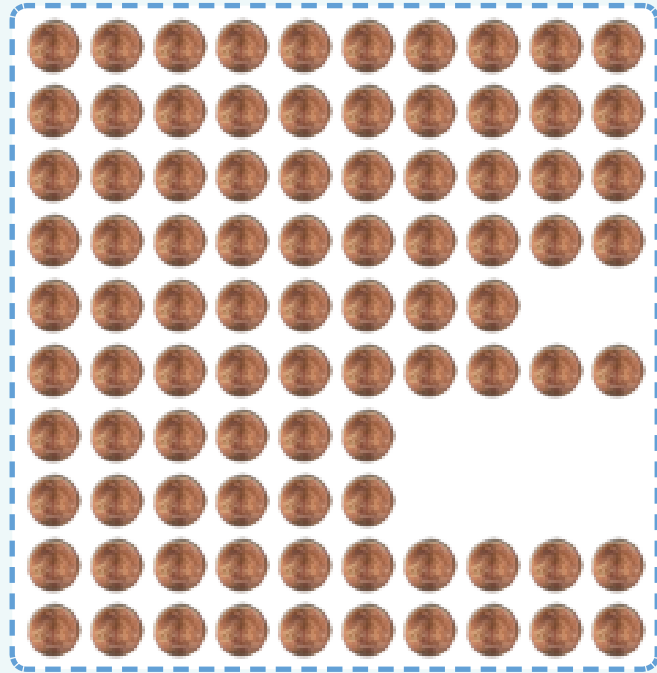
Vhalani masenthe

Vhalani masenthe.

Ndi masenthe mangana ane na vha nao?

Hu t̄odea mañwe 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 d̄ura vhugai?



ya 2 i ita R4,00.

Ni wana miomva mingana nga R20,00?



a 2 a ita R2,00.

Ni wana maapula mangana nga R9,00?

Teacher:

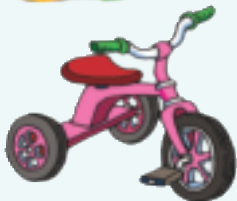
Sign:

Date:

U vhala nga 3



Malinga nga 3



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



thiraisaikili dza 5 dzi na malinga a _____

$$3 + 3 + 3 + 3 + 3 = 5 \times 3 = \underline{\hspace{2cm}}$$

thiraisaikili dza 2 dzi na malinga a _____

$$3 + 3 = 2 \times 3 = \underline{\hspace{2cm}}$$

thiraisaikili dza 4 dzi na malinga a _____

thiraisaikili dza 6 dzi na malinga a _____

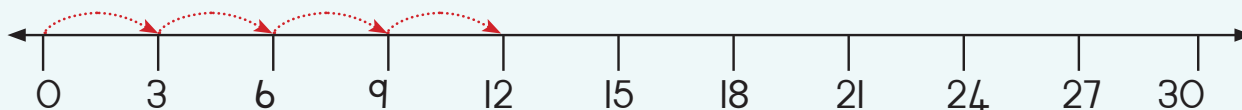
thiraisaikili dza 9 dzi na malinga a _____

thiraisaikili dza 8 dzi na malinga a _____



Mitalombalo

Tevhedzani tsumbo



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



b.

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

c.

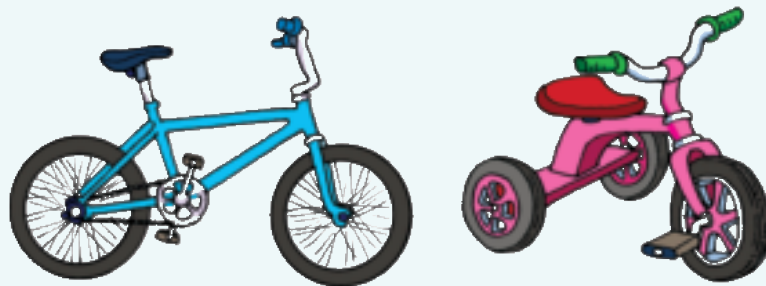
$$\underline{\hspace{10em}} = \boxed{} = 6 \times 3 = \boxed{}$$

d.

$$\underline{\hspace{10em}} = \boxed{} = 10 \times 3 = \boxed{}$$



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 t̄angana.

Hu na baisigira nngana dza malinga mavhili? _____
Hu na baisigira dza malinga mararu nngana? _____

Teacher: _____
 Sign: _____
 Date: _____

Ndi zwifhio zwi no tshimbila nga 4?



Milenzhe miṅa

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



Milenzhe ya kholomo ndi 4.

Ndi mini tshinwe hafhu tshine tsha vha zwiṅazwiṅa? _____

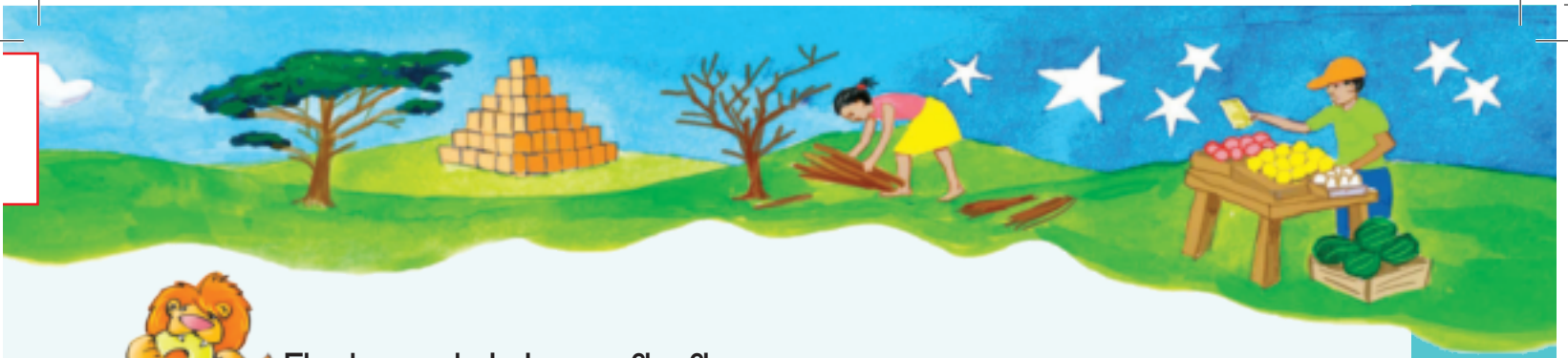


U vhala milenzhe

Kovhanani phindulo.
 Tlutshedzani zwe na ita.

Shumisani zwine na zwi divha 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"/>



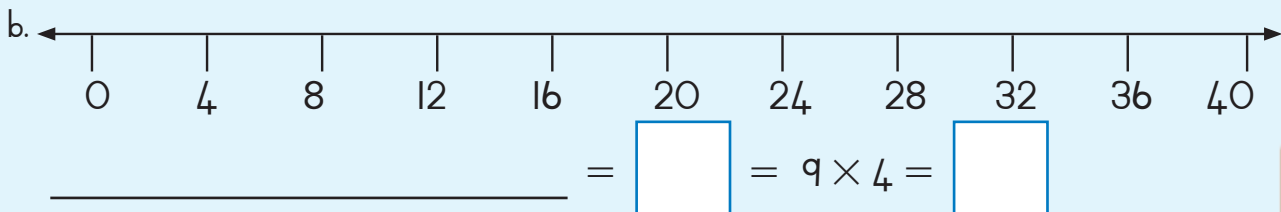
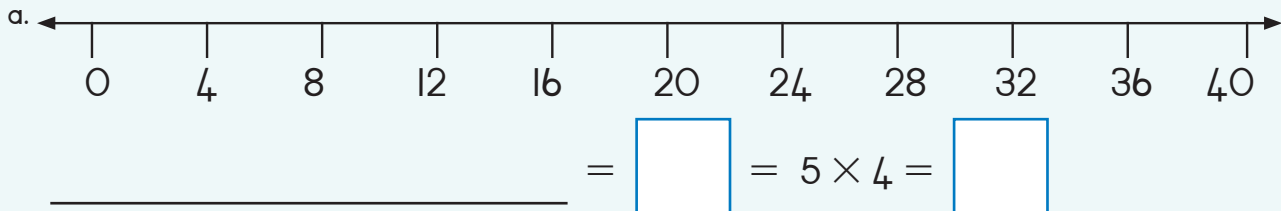
Fhedzisani thebuḽu i re afho fhasi.
Shumisani tsumbo uri l i ni dedeze.

kholomo dza 3 dzi na milenzhe ya _____	$4 + 4 + 4 = 4 \times 3 = \underline{12}$
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 mutalombalo.



Teacher: _____

Sign: _____

Date: _____

Phetheni dza nomboro

Themo ya I



Phetheni dza giridi

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

Olani zwitendeledzi zwiñwe nga nt̄ha ni tshi fhedzisa phetheni inwe na inwe.

Ñwalani dzina la phetheni inwe na inwe.

a. Phetheni: _____

				○					○
				○					○
				○					○
				○					○
				○					○
				○					○

b. Phetheni: _____

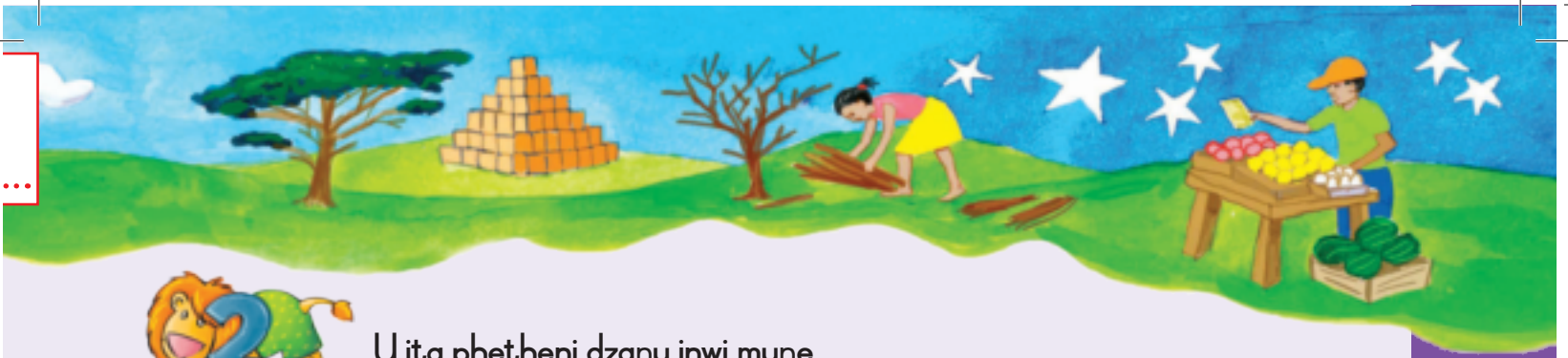
	○		○		○		○		○
	○		○		○		○		○
	○		○		○		○		○
	○		○		○		○		○
	○		○		○		○		○
	○		○		○		○		○

c. Phetheni: _____

		○		○				○	
	○		○		○		○		
○		○		○		○		○	
	○		○		○		○		
○		○							

d. Phetheni: _____

		○				○			
	○			○				○	
		○				○			
	○			○				○	



U ita phetheni dzaṅu inwi muṅe

a. Kha phetheni ya nomboro iyi nomboro dzoṅhe ndi ivini. Dziṅwe nomboro dzi nga vha dzi nomboroḽe? Dzi ṅwaleni.

□ □ □ □ 74 □ □ □ □

b. Kha phetheni ya nomboro, nomboro dzoṅhe ndi dza odo. Dziṅwe nomboro dzi nga vha dzi nomboroḽe? Dzi ṅwaleni.

□ □ □ □ 65 □ □ □ □



Dzi wela ngafhi?

48 32 12 36 40 84 45
90 80 15 24 72 150 75

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 l yo salaho. Nomboro dzine dza nga konadzea ndi: 61, _____, _____, 70, Musi a tshi dzi vhala nga tḽhanu (dzi5), u na tshiṽahe tsha 4. Nomboro dzine dza nga konadzea ndi: _____, _____. Thembi u na khamba nngana? _____.



○
□
△
Teacher:
Sign:
Date:

30a

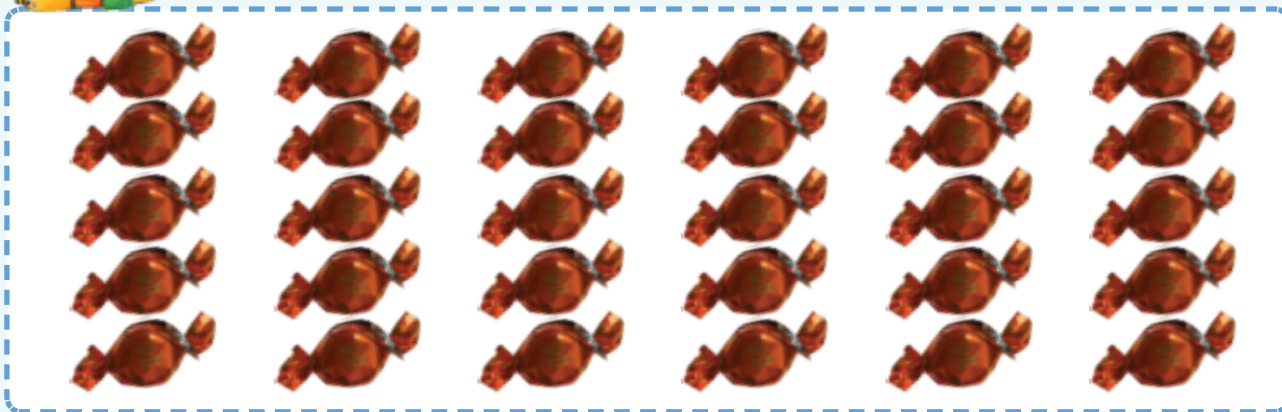
Deithi:

Mukovho

Themo ya I



Kovhani malegere



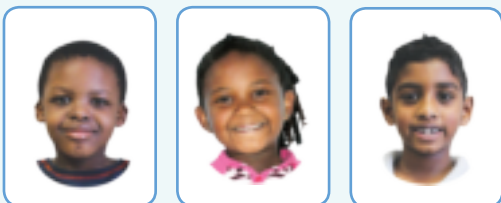
a. Kovhelani vhana vha 2 malegere a 30.



Ri nga i ñwala sa

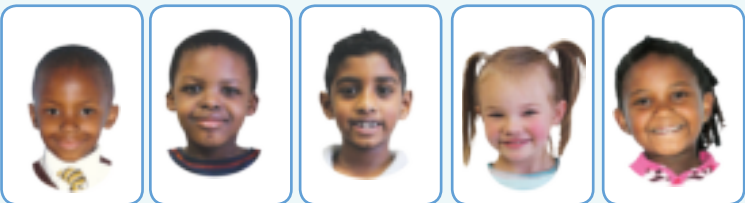
$$30 \div 2 = 15$$

b. Kovhelani vhana vha 3 malegere.



$$\div =$$

c. Kovhelani vhana vha 5 malegere.



$$\div =$$



Ri nga shumisa zwiwuloko zwa nomboro kha mukovho.

$\mathbf{2} \ \mathbf{8} \div \mathbf{2} = \mathbf{1} \ \mathbf{4}$	

Zwino shumani hedzi.

a.

$\square \ \square \div \mathbf{3} = \square \ \square$	

b.

$\square \ \square \div \mathbf{4} = \square \ \square$	

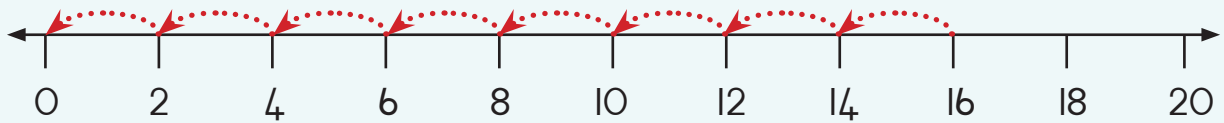
Teacher: _____
 Sign: _____
 Date: _____

Mukovho (dzi iswa phando)



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

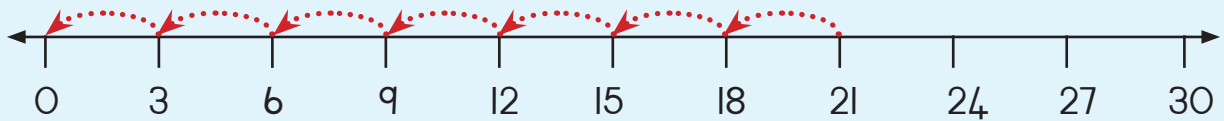
Tsumbo:



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

$$16 \div 2 = 8$$

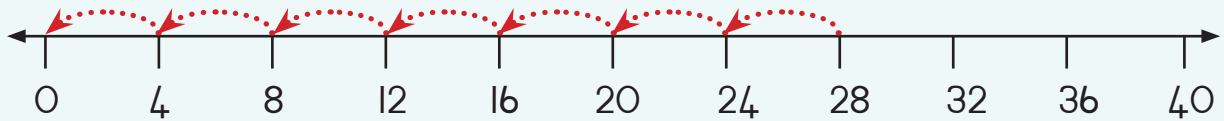
a.



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

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} = \underline{\hspace{1cm}}$$

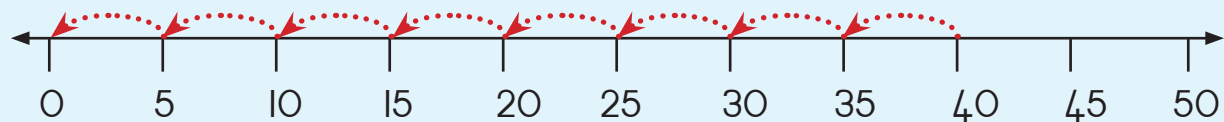
b.



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

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} = \underline{\hspace{1cm}}$$

c.



$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} = \underline{\hspace{1cm}}$$



Talani mutalombalo ni u saukanye.

a. $30 \div 5 =$



b. $22 \div 2 =$



c. $27 \div 3 =$



d. $32 \div 4 =$



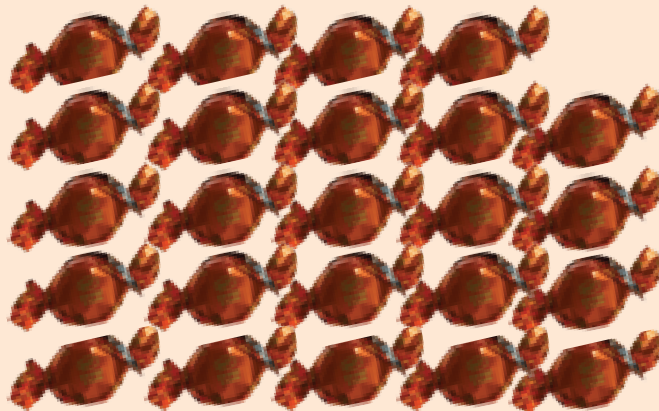
e. $25 \div 5 =$



Khaedu

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

Nwalani fhungombalo ni tshi sumbedza phindulo.



Teacher: _____
 Sign: _____
 Date: _____

Furakhisheni (zwipida)

Themo ya I



Livhanyani tshivhumbeo na furakhisheni.

Tshararu $\frac{1}{3}$	Tshatshanu $\frac{1}{5}$	Kota nthihi $\frac{1}{4}$	Hafu nthihi $\frac{1}{2}$
Kota tharu $\frac{3}{4}$	Tshainathanu $\frac{4}{5}$	Nthihiyotse 1	Tshambiliraru $\frac{2}{3}$

Kovhani ni khalare tshivhumbeo ni tshi sumbedza furakhisheni:

Hafu nthihi	Tshararu	Kota nthihi	Tshatshanu

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

Hafu nthihi	Tshararu	Kota nthihi	Tshatshanu



Kovhelani vhana vhavhili zwivhaleli.

<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="text-align: center;">●●</td> <td style="text-align: center;">●●</td> </tr> </table>	😊	😊	●●	●●	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="text-align: center;">●●●</td> <td style="text-align: center;">●●●</td> </tr> </table>	😊	😊	●●●	●●●	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="text-align: center;">●●●●</td> <td style="text-align: center;">●●●●</td> </tr> </table>	😊	😊	●●●●	●●●●	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="text-align: center;">●●●●●</td> <td style="text-align: center;">●●●●●</td> </tr> </table>	😊	😊	●●●●●	●●●●●
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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 ____. 																
$4 \div 2 = 2$	____ \div ____ = ____	____ \div ____ = ____	____ \div ____ = ____																



Kovhelani vhana zwivhaleli.

<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> <td></td> <td></td> </tr> </table>	😊	😊	😊	😊					<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> <td style="text-align: center;">😊</td> </tr> <tr> <td style="height: 40px;"></td> <td></td> <td></td> </tr> </table>	😊	😊	😊			
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😊	😊	😊													
<ul style="list-style-type: none"> $\frac{1}{4}$ ya mañegere = 3 $\frac{2}{4}$ ya mañegere = ____ $\frac{3}{4}$ ya mañegere = ____ $\frac{4}{4}$ ya mañegere = ____ 	<ul style="list-style-type: none"> $\frac{1}{3}$ ya mañegere = ____ $\frac{2}{3}$ ya mañegere = ____ $\frac{3}{3}$ ya mañegere = ____ 														



Teacher:

Sign:

Date:



Ri mona sa watshi

Tshifhinga

Ri nga iwala tshifhinga tshithihi nga ndila dzo fhambanaho.

2:15 minete ya fumiṭhanu u bva kha awara ya vhuvhili	5:30 minete ya mahumi mararu u bva kha awara ya vhuṭanu	9:45 minete ya mahumi maṅa na miṭanu u bva kha awara ya ṭahe

Ñwalani izwi nga ndila dzo fhambanaho.

<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>



U ya hayani

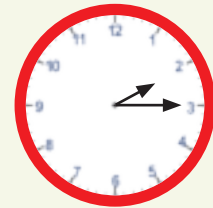
Zwi dzhiela Ben tshifhinga tshingafhani u swika hayani?

mimnete

awara



Ben u takuwa tshikoloni.



Ben u swika hayani.



Tshifhinga nga 2 ...



Hu na ...

mimnete mingana kha awara dza 2? _____

iri nngana kha maḁuvha a 2? _____

maḁuvha mangana kha vhege dza 2? _____

miḁwedzi mingana kha miḁwaha ya 2? _____



Lambamai						
M	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	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	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 27 dza Lambamai ndi ḁuvha ʼa Mbofholowo.

Dzi 16 dza Fulwi ndi ḁuvha ʼa Vhaswa.

- U bva kha ḁuvha ʼa Mbofholowo u ya kha ḁuvha ʼa Vhaswa hu na miḁwedzi ya _____ yo fhelelaho, vhege dza _____ dzo fhelelaho na maḁuvha a _____ o fhelelaho.
- Ndi vhege nngana dzo fhelelaho dzo ṽangana? _____
Ndi maḁuvha mangana o salaho? _____. Ndi maḁuvha mangana oṽhe? _____.
- ḁuvha ʼa mabebo ʼa Dovhani ʼi swika kha maḁuvha a 7 musi ḁuvha ʼa Mbofholowo ʼi sa athu surika.

Iolani. Vhambedzani.
Lulamisani.

ḁuvha ʼa mabebo ʼa Musa ʼi ḁa kha maḁuvha mavhili nga murahu ha ḁuvha ʼa Vhaswa.

Ndi nnyi muhulwane? _____ Nga maḁuvha mangana? _____



Teacher: _____
Sign: _____
Date: _____

Thagethe 200



U vhala nomboro

Vhalani ni ambe nomboro dzothe u bva kha 101 u swika kha 200. Sumbani ni tshi khou vhala.



101	102								
111									
121									
131									
								149	
			154						
				165					
		173							180
181					186				
							198		200



U riwala nomboro

- Nwalani nomboro i no khou tshela tshibogisini tshinwe na tshinwe tsha lutombo.
- Nwalani dziwe nomboro dzothe.
- Nwalani nomboro dza 10 dzi no tevhela 200.

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



Ñwalani nomboro dzi no khou tshela

a.

200		180			
					110
50					
					0

b.

87		107	
167			
		207	
			237



Fhedzisanani

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

Ñwalani nomboro idzi dzi tshi tou tevhekana u bva kha tshukhusa u ya kha khulwanesa.



U vhala u bva kha 100

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

Thomani

100	→ +25 →	125	→		→	129	→		→	138
-----	---------	-----	---	--	---	-----	---	--	---	-----

Gumani

168	←		←	157	←		←	151	←		←	145
-----	---	--	---	-----	---	--	---	-----	---	--	---	-----



Teacher: _____

Sign: _____

Date: _____

U shuma na zwigwada zwa nomboro



U paka makhandela

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



Hu na makhandela mangana bogisini linwe na linwe? _____

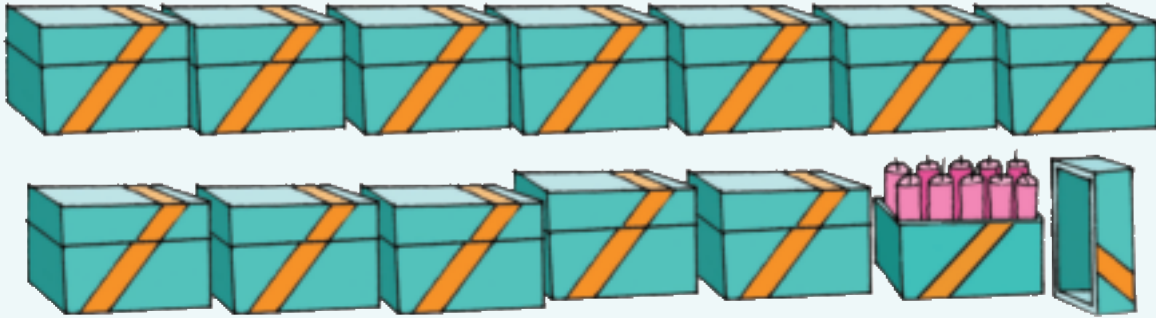
Hu na mabogisi mangana kha shelefu inwe na inwe? _____

Hu na makhandela manga kha shelefu inwe na inwe? _____



Mabogisi a makhandela

Vho Mankosi vha vala mabogisi .









a. Vhalani mabogisi othe

Hu na mabogisi mangana? _____





Hu na makhandela mangana o t̄angana othe? _____

Ndi mabogisi mangana maṛwe ane vha tea u a ḡadza 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 t̄oḡa mabogisi mangana:

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



35a

Deithi:

Themo ya 2

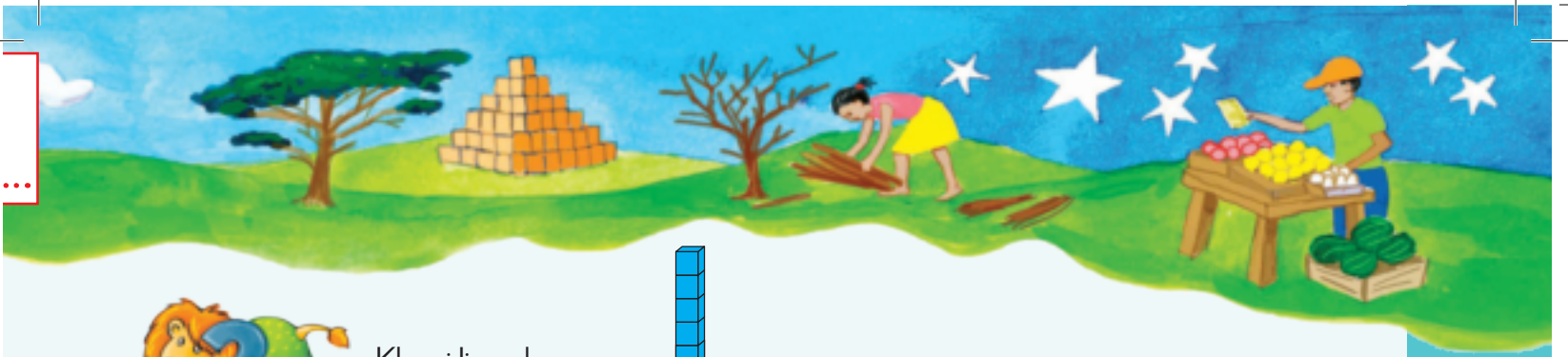
U vhea mahumi fhethu huthihi na u a fhandekanya



U vhea mahumi fhethu huthihi musi ri tshi țanganya kha 999

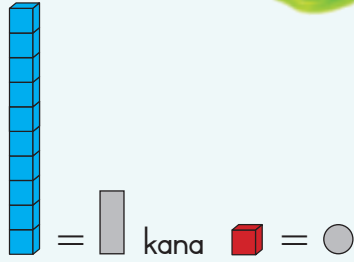
<p>Kha ri țanganye $56 + 73 =$</p>		<p>+</p>	
	<p>mahumi a 5 na yuniti dza 6</p>		<p>mahumi a 7 na yuniti 3</p>

100	10	1
<p>Zwo țangana ri na yuniti dza 12. Ri nga vhea mahumi a 10 fhethu huthihi uri a ite țana 1a 1.</p>		



Kha ri lingedze

Tsumbo: $82 + 34$



$100 + 20 + 6 = 126$	

a. $65 + 52$

b. $76 + 63$

c. $86 + 65$



Teacher:
Sign:
Date:

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



U vhea zwigwada fhethu huthihi

U shumisa zwiḅḅoko zwanu zwa vhuimo ha nomboro.

Shumisani zwiḅḅoko zwa muteo wa mahumi kha u sika nomboro idzi mbili.	Ndi mahumi mangana o ṭangana oṭhe? ndi yuniti nngana?	No vhea nga zwigwada mahumi kana yuniti naa? Ṭolani vhuimo ha nomboro he na vhu vhea nga zwigwada.	Nwalani nomboro.
$23 + 99 =$	mahumi a ____ yuniti dza ____	Mahumi a II + Yuniti dza I2 $= 110 + 12$	122
$38 + 25 =$	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 ṭusa

Musi ri tshi ṭusa, tshinwe tshifhinga ri tea u sumbedza fumi nthihi sa yuniti dza fumi, kana ḡana lithihi sa mahumi a 10.

Kha ri ṭuse: $60 - 55 =$

Ri thoma nga mahumi a rathi na thihi nthihi. Ri khou ṭoḡou ṭusa mahumi maṭanu na thihi ṭhanu. (Zwine ra ṭusa ro zwi khalara nga muvhala musetha)

Ri nga sumbedza mahumi a rathi nga hei ndila.	Kana sa mahumi maṭanu na yuniti dza fumi	Ṭusani mahumi maṭanu na yuniti ṭhanu. Ho sala yuniti ṭhanu.	
		$60 - 55 = 5$	



Kha ri edzise

a. $70 - 28$

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

b. $90 - 46$

c. $80 - 53$



U wana phere ya nomboro

a.

200	
30	

b.

200	
70	

c.

200	
	105

d.

200	
85	



Teacher:
Sign:
Date:

U ya ha dokotela wa maṅo

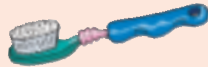


Tshigwada tsha vhana tshi dalela dokotela wa maṅo.



Ni tamba maṅo aṅu lungana nga ḍuvha?

Vhana vha mu ṭalutshedza.



hezwi = lwa l

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

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

 Luthihi nga ḍuvha	
 Luvhili nga ḍuvha	
 Luraru nga ḍuvha	

b. Ni nga ṭalutshedza zwifhio?

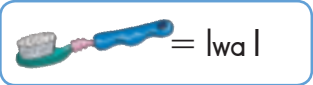
Vhunzhi ha vhana vha tamba maṅo _____ nga ḍuvha.

Hu na vhana vha _____ kha tshigwada.



Olani phikhitogirafu i no sumbedza uri vhana vha tamba maṅo lungana nga ḍuvha.

Blank writing area for the student's response.



Itani tḥodisiso kilasini yaṅu. Vhudzisani vhagudi vha 15 – 20.

- a. Vha tamba maṅo lungana nga ḍuvha? _____
- b. Olani girafu ya zwifanyiso i no fana na i re af'ho nṯha ni tshi sumbedza zwe na wana.

Teacher: _____
 Sign: _____
 Date: _____

Tanganyani na u badekanya



U n̄wala t̄hanganyelo yaṅu

Malindi u kona u t̄hanganya **yuniti** na **mahumi** a dzi vhea nga zwigwada. A nga t̄hanganya na u t̄usa kha bammbiri, hu si na zwiḅuloko. Tshinwe tshifhinga u takalela u thoma nga magaraṭa a nomboro awe u sumbedza nomboro.

Zwenezwo kha t̄hanganyelo $56 + 73$, u wana magaraṭa haya:

$$\begin{array}{|c|c|} \hline 5 & 6 \\ \hline \end{array} + \begin{array}{|c|c|} \hline 7 & 3 \\ \hline \end{array}$$

U t̄hanganya l a vhea fhasi garaṭa.

U a ḡivha uri: $50 + 70 = 120$.

U doba garaṭa l̄a **maḡana**, na l̄a 20 na l̄a 9 a u ita nomboro ya didzhiti dza 3.

$$\begin{array}{|c|c|c|} \hline & & 9 \\ \hline 1 & 0 & 0 \\ \hline 2 & 0 & \\ \hline & & 9 \\ \hline \end{array}$$

U i n̄wala nga hei n̄ḡila:

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

Dumi u a t̄alukanya uri zwiḅuloko zwi shuma nga n̄ḡilade. U shuma $56 + 73$ nga hei n̄ḡila:

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



Aakar u pfana na u sendedza tsini. U zwi ita nga hei n̄ḡila:

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





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

a. $86 + 62$

Ndila (kushumele) ya Malindi

$$80 + 60 + 6 + 2$$



Ndila (kushumele) ya Dumi

$$80 + 6 + 60 + 2$$



b. $72 + 63$

c. $81 + 57$

d. $69 + 71$

Shumisani ngona ya Aakar kha u shuma heyi mbalo.



Teacher: _____

Sign: _____

Date: _____

37b

Deithi:

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

$$80 + 7 - 50 + 3$$

$$= 30 + 4$$

$$= 34$$



b. $95 - 73$

c. $86 - 62$

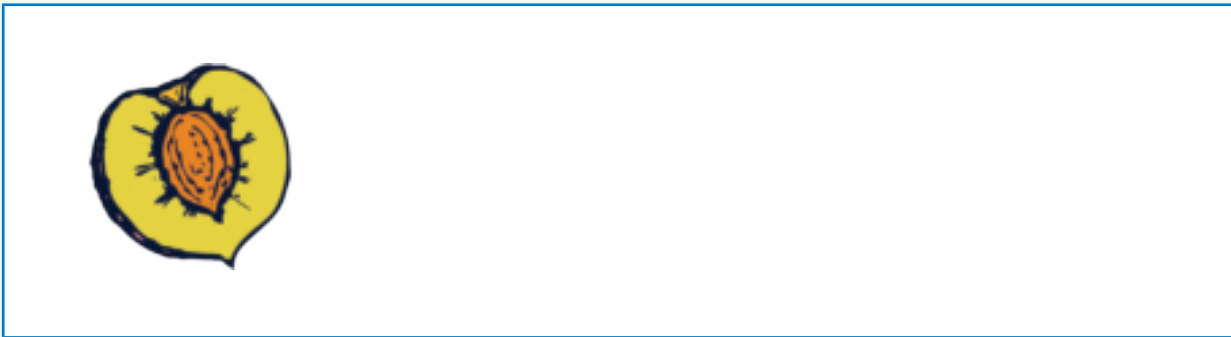
d. $85 - 69$



Thasululani!

Hu na ndila nnzhi dza u țanganya **yuniti** na **mahumi**. Nangani ndila ine na i divha na u i takalela ya u thasulula mbalo (thaidzo) idzi. Sumbedzani kushumele kwaŋu.

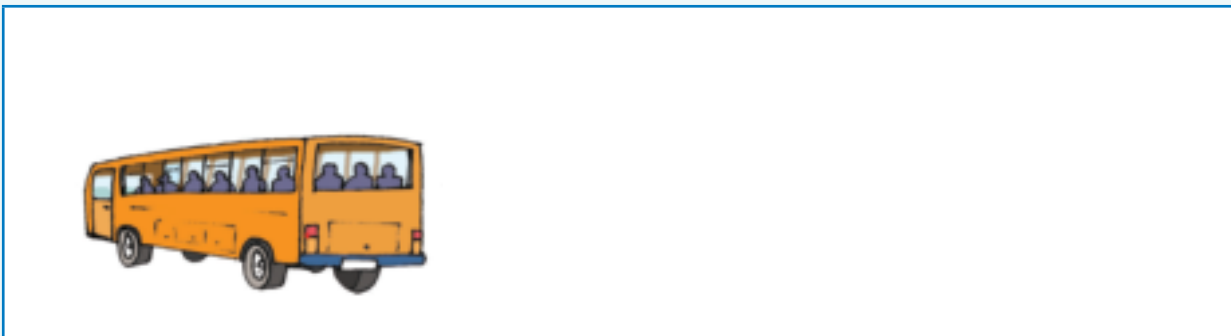
- a. Ndalamo u thoma nga u fula maberegisi a 34 a tevhela nga maberegisi a 67.
Hu na maberegisi mangana o țangana oțhe?



- b. Vhana vha ha Mualusu vho țangana 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 țangana dzoțhe?



I tandululeni!



Zwithivho zwa mabodelo

Shumisani ngila inwe na inwe ine na funa.
Sumbedzani mushumo wanu.



Sipho



Andile

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

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



Khontsati ya tshikolo



Musa



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

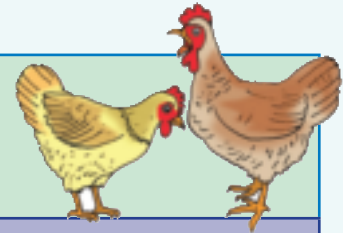
U swika zwino Musa o rengisa thikhithi nngana?



Ndowendowe dziñwe



Hu na zwickwana zwa 69 hokoni nthihi na zwa 95 kha inwe.
Hu na khuhu nngana dzo țangana dzoțhe?
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 țusa. Ni a divha
uri ndi ngani?



a. Vhatukana vha kuvhanganya R96 ya lwendo lwa kilasi. Vhasidzana vha kuvhanganya R79. Vha kuvhanganya vhugai yo țangana yoțhe?

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar

b. Tshikolo tshithihi tshi kuvhanganya 76 kg dza zwickotikoți. Tshiñwe tshikolo tsha kuvhanganya 68 kg dza zwickotikoți. Ndi kg nngana dza zwickotikoți dzine zwickolo zwihili zwa kuvhanganya dzo țangana dzoțhe??

Shumisani ndila ya Gugu

Shumisani ndila ya Aakar



Teacher:
Sign:
Date:

U vhala na u vhalela



U wana tshipida

Nwalani nomboro dzi no khou tshela.

a.	<table border="1"><tr><td>100</td><td></td></tr><tr><td></td><td>27</td></tr></table>	100			27	b.	<table border="1"><tr><td>100</td><td></td></tr><tr><td>39</td><td></td></tr></table>	100		39		c.	<table border="1"><tr><td>100</td><td></td></tr><tr><td>43</td><td></td></tr></table>	100		43		d.	<table border="1"><tr><td>100</td><td></td></tr><tr><td>56</td><td></td></tr></table>	100		56	
100																							
	27																						
100																							
39																							
100																							
43																							
100																							
56																							
e.	<table border="1"><tr><td>200</td><td></td></tr><tr><td>140</td><td></td></tr></table>	200		140		f.	<table border="1"><tr><td>200</td><td></td></tr><tr><td></td><td>110</td></tr></table>	200			110	g.	<table border="1"><tr><td>200</td><td></td></tr><tr><td>135</td><td></td></tr></table>	200		135		h.	<table border="1"><tr><td>200</td><td></td></tr><tr><td></td><td>120</td></tr></table>	200			120
200																							
140																							
200																							
	110																						
200																							
135																							
200																							
	120																						

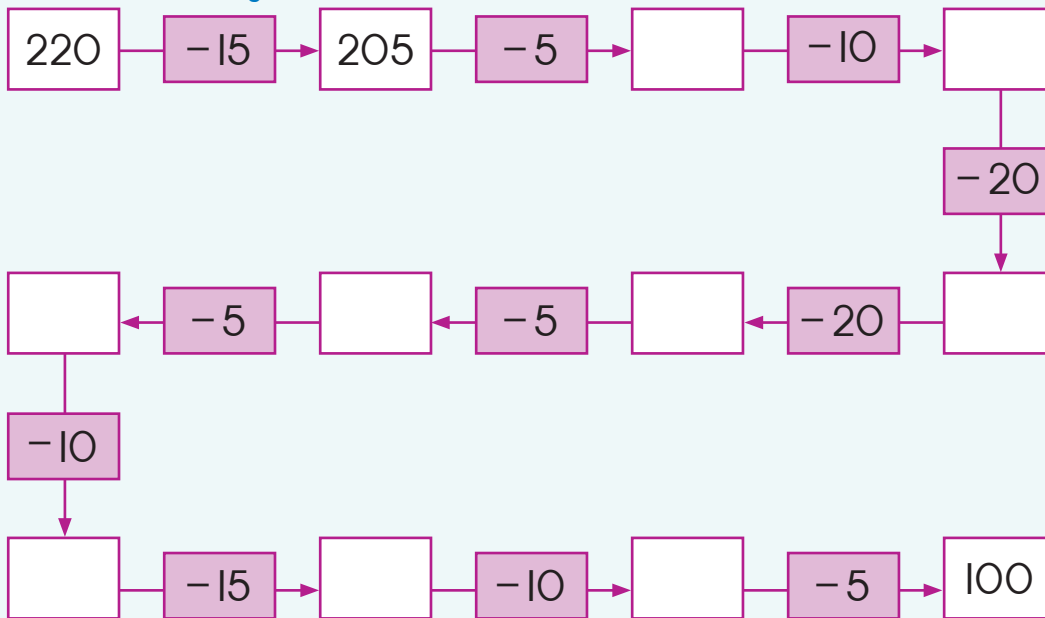


U bva 220 u ya kha 100

Tevhelani misevhe.

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

Ro dzula ro ni itela ya u thoma.



Ndila ya u tola phindulo dzaṅu khei.
Thomani kha 100. Shumani ni tshi ya murahu kha 220.
Fhedzi zwino, tṅanganyani nomboro.



Miṭa ya vhararu

Wanani nomboro dza 3 dzi no vhumba nomboro ya thagethe.
Mulayo: Ndi nomboro nthihi fhedzi ine ya nga fhela nga 0.

Tsumbo:



U fhira nga 50 na u vha fhasi nga 50

Nwalani phindulo kha rou ya 2.

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



Teacher: _____

Sign: _____

Date: _____

U ela nga dzisenthimitha



Senthimitha yo lapfa lungafhani?



Nomboro dzi re kha ruḽa dzo imela dzisenthimitha.

Ri shumisa abiriviesheni kana tshiga cm.

Musi ni tshi shumisa ruḽa, ni tea u thoma u ela u bva kha O.

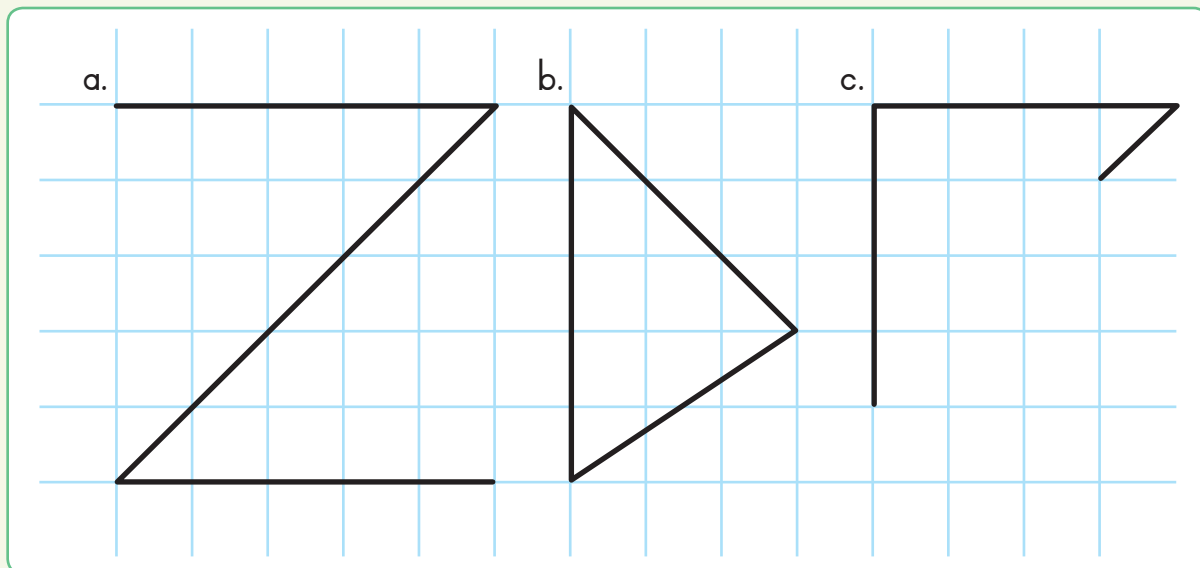
Dziḽwe ruḽa a dzi sumbedzi O u fana na iyi i re kha siatari ili.

Wanani zero cm kha ruḽa. Nwalani O kha ruḽa.

IO cm i wanala ngafhi kha ruḽa? Nwalani IO henefho.



Anganyani, ni kone u pima nga ngona nga ruḽa yaḽu, tḽhanganyelo 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 wanu uri u ni thuse kha u dzhia tsheo.

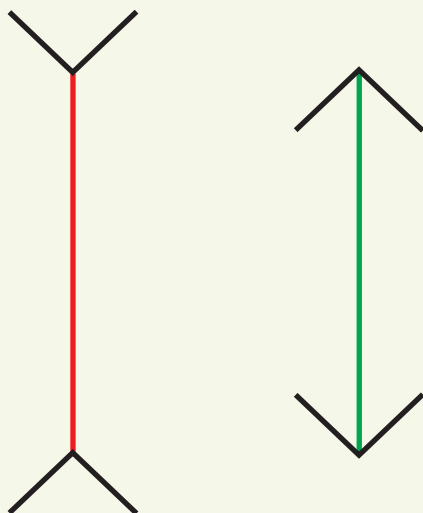
a. _____ <input type="text"/> cm	d. <input type="text"/> cm
b. _____ <input type="text"/> cm	e. _____ <input type="text"/> cm
c. _____ <input type="text"/> cm	f. _____ <input type="text"/> cm



Ni na vhuṭanzi naa?

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

Ni nga zwi ṭola hani?



Izwi ndi zwine zwa vhidzwa u pfi vhuṭolo ha maṭo. Zwi ambiwa musi maṭo aṅu o itwa uri a vhone tshithu tshi siho. Mitalo mivhili i na vhuṭapfu hu no eḡana. Mitalo mitswu i no khou ṭoṭomotshela nḡa i ita uri mutalo mutswuku u vhonele u mulapfu ngeno mitalo mitswu i no khou ṭoṭomotshela ngomu i tshi ita uri mutalo dala u vhonele u mupufuḥi.



Teacher: _____
Sign: _____
Date: _____

Deithi:

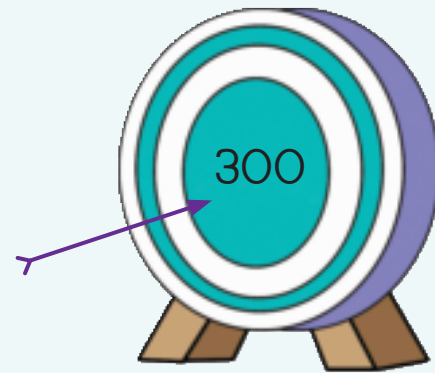
41

Thagethe 300

Themo ya 2



Vhalani ni n'wale 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.

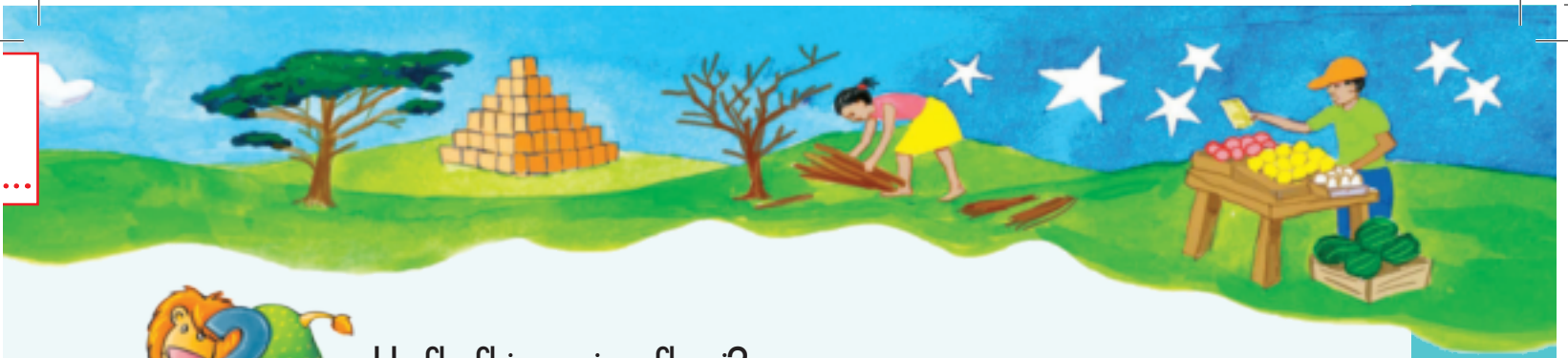
Nwalani nomboro dziñwe dzotlhe.

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



Nwalani nomboro dza 10 dzi no tevhela 300.

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



Hu fhufhiwa zwingafhani?

301		281					
		171				211	
					101		



U sumbedza na u vhambedza

a. Nwalani nomboro dzine dza dzhena kha garaṭa inwe na inwe.

298; 208; 301; 276; 227; 269; 311

200							
90							
8							

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

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



Tshanduko ndi ifhio? Nwalani nomboro dzi no khou tshahela.

Thomani

200	+25	225		237		249

Gumani

300		286		278		261

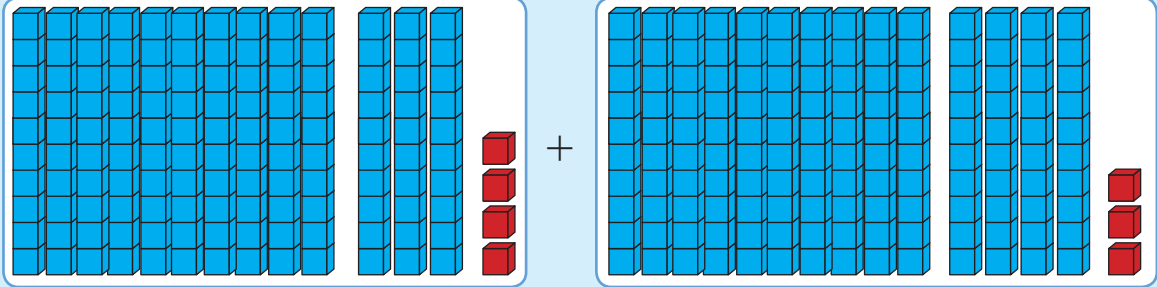


Teacher: _____
Sign: _____
Date: _____

U t̃anganya na u t̃usa nga dzilOO



U shumisa zwibuloko kha u t̃anganya



$$\begin{array}{r}
 100 \quad 30 \quad 4 \\
 + \quad 100 \quad 40 \quad 3 \\
 \hline
 = 200 \quad 70 \quad 7 \\
 = 277
 \end{array}$$



Tevhedzani ngona mbili. Sumbedzani phindulo inwe na inwe nga n̄dila mbili.

a. $132 + 123$

N̄dila ya Malindi

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



N̄dila ya Dumi

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



b. $114 + 162$



c. $276 + 148$



Lavhelesani nđila dza avha vhathu ni tuse.

a. $158 - 146$

Nđila ya Malindi

$$= 100 - 100 + 50 - 40 + 8 - 6$$

$$= 0 + 10 + 2$$

$$= 12$$



Nđila ya Dumi

$$158 - 146$$

$$= 0 + 10 + 2$$

$$= 12$$



b. $194 - 122$

c. $288 - 199$



Teacher: _____

Sign: _____

Date: _____

Thagethe ya 400

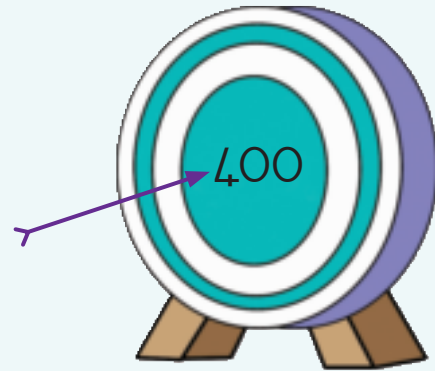


U vhala na u n'wala dzi 400

U vhala u bva kha 300 u swika kha 400.

Bulani nomboro ni tshi khou ralo u vhala.

N'walani nomboro dzi no khou t'ahela kha giridi.



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

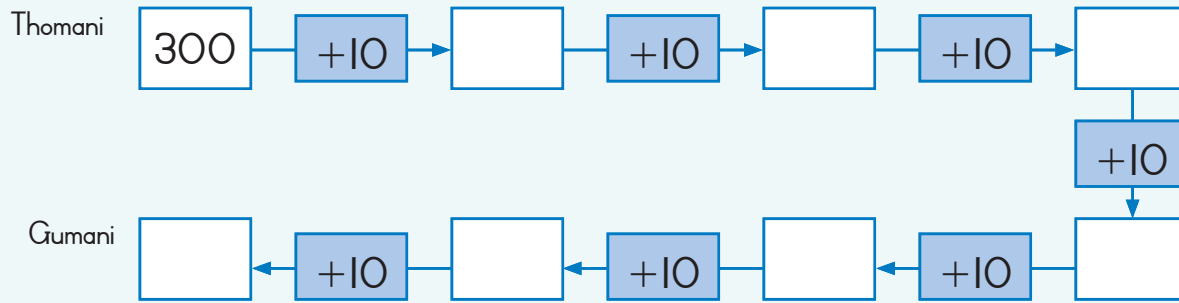
N'walani nomboro dza 9 dzi no tevhela 400.

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

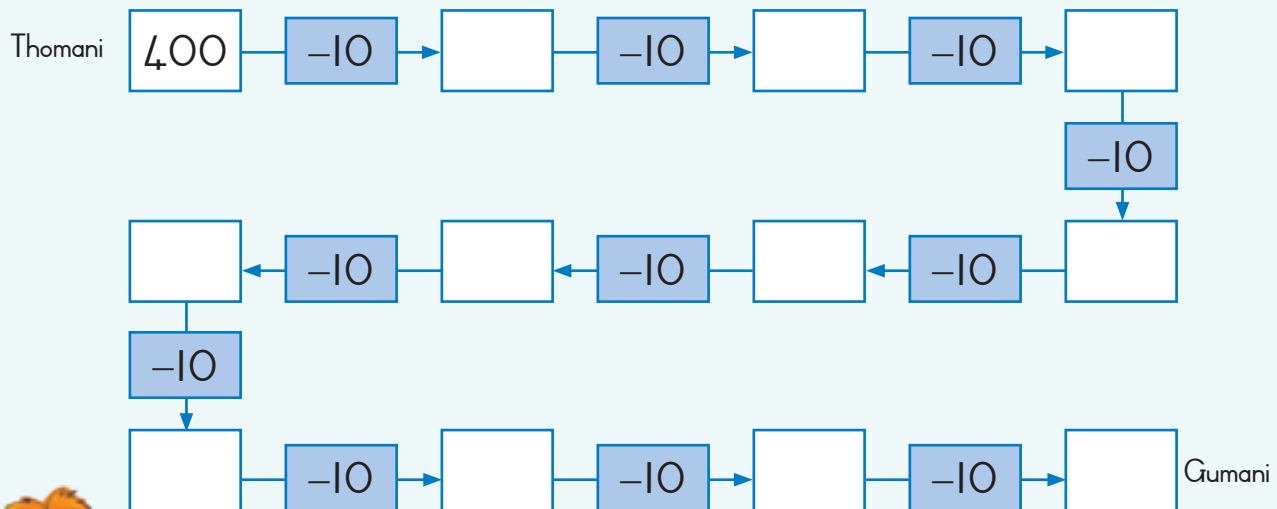


Tshanduko ndi ifhio?

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



b. Vhalani u bva kha 300



Nwalani sa nomboro nthihi.

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

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

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

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

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

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

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

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

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



Teacher: _____
 Sign: _____
 Date: _____

Deithi:

44

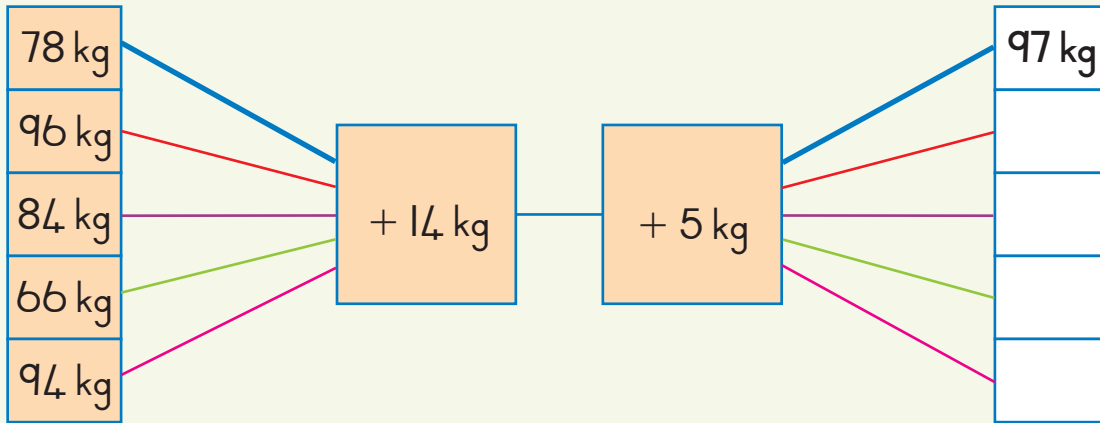
Themo ya 2

U kala



Nomboro ya tshipentshela
Tanganyani na u riwala phindulo.

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



Sendedzani tsini ni tanganye!

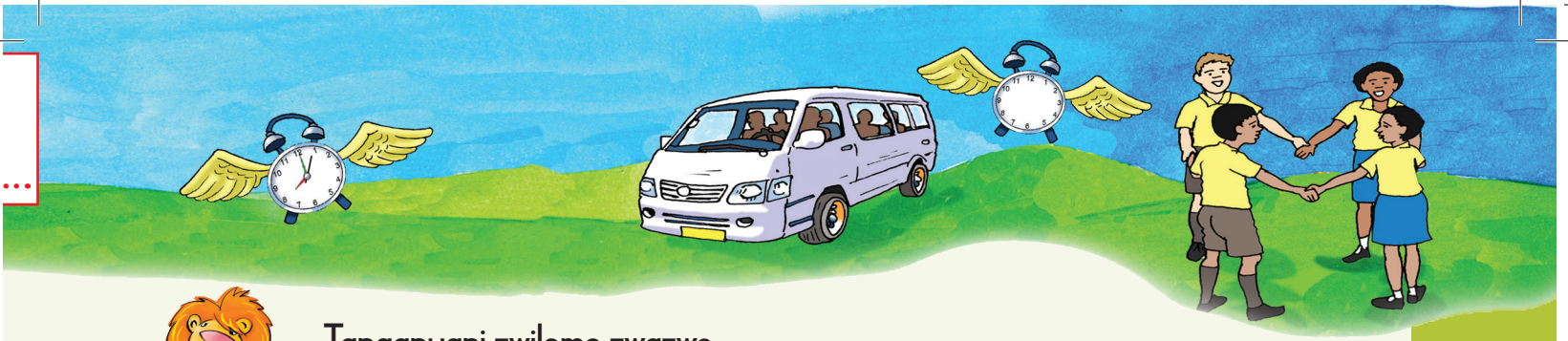
Humbulani nga vhuṭali!

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

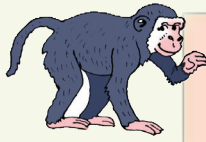
Sendedzani tsini tshileme tsha tshipuka tshinwe na tshinwe tshi de kha 10 kg ya tsinisa.

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

Anganyani tshilemegute tsha zwipuka zwa 5.



Tanganyani zwileme zwazwo











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



Maga



- Shumisani zwivhalo zwanu zwo sendedzwaho tsini.
- Anganyelani tshileme tsha tshipuka tshinwe na tshinwe kha rou inwe na inwe.
- Vhalelani thanganyelo.
- Vhambedzani thanganyelo mbili ni riwale phambano.

	Ndi a anganyela	Ndi a vhalela	Phambano
 + 			
 +  + 			
 +  + 			



Tshileme tsha Vusi

Tolani. Vhambedzani. Lulamisani.

Vusi u tanganyisa tshileme tshawe na tshileme tsha  na tsha .

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



Tshileme tshanga ndi tshingafhani?

Tambani kha tshigwada. Sielisanani ...

Tanganyisani tshileme tshanu na tshileme tsha zwiṅwe zwa zwipuka. Shumani thanganyelo. Vhudzani phindulo tshigwada. Ni songo vha sumbedza mushumo wanu! Vha tea u lingedza u shuma tshileme tshanu.







Teacher: _____

Sign: _____

Date: _____

45

Deithi:

Themo ya 2



Thagethe 500

U vhala na u riwala

400



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

- Vhalani u bva kha 400. Bulani nomboro ni tshi khou ralo u vhala.
- Nwalani nomboro dzo tshelaho afho kha giridi.
- Nwalani nomboro dza 9 dzi no tevhela 500.

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

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

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

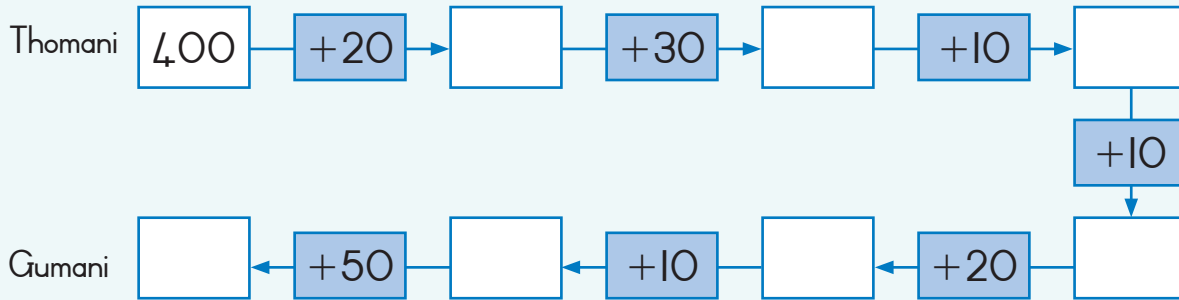
- Vhalani nga 5. Nwalani nomboro dza 8 dzi tevhelaho nga **phetheni ya 5**.

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

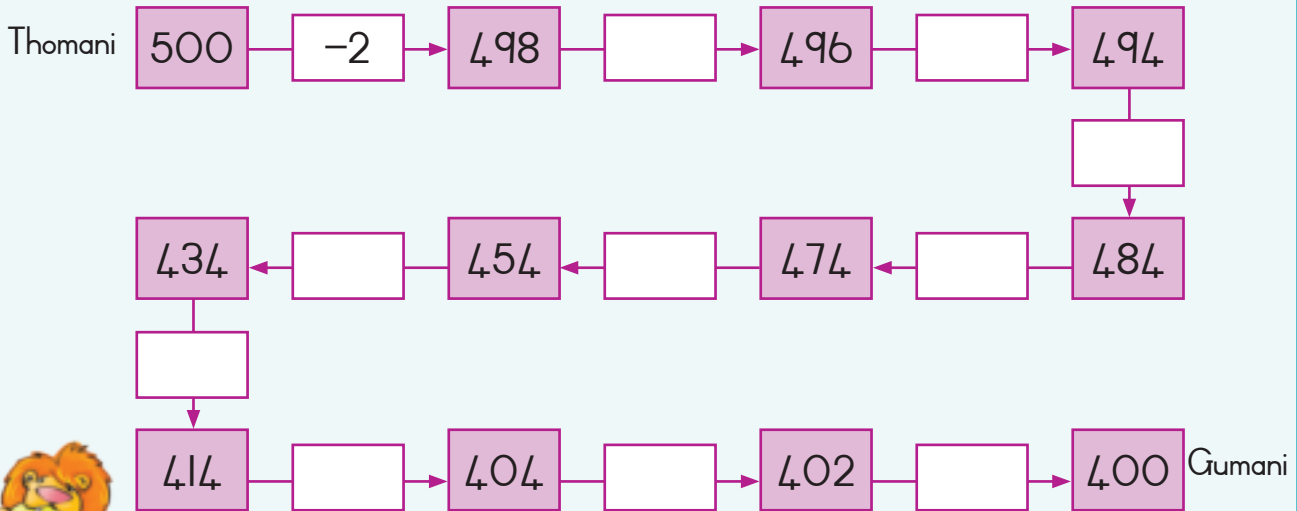


Tshanduko ndi ifhio?

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 tshanganyelo ya nomboro idzi. Shumisani garaṅa dza nomboro ni tshi sumbedza tshanganyelo inwe na inwe.

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

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

Teacher:
 Sign:
 Date:

Mutanganyo na mutuso

Ni vhona mini?

$200 + 50 + 4$ $200 + 30 + 5$	$400 + 80 + 9$	489
----------------------------------	----------------	-------



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

a. $245 + 231$

Ndila ya Malindi

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

$$= 400 + 70 + 1$$

$$= 471$$



Ndila ya Dumi

$$245 + 231$$

$$= 400 + 70 + 6$$

$$= 471$$



b. $278 + 136$

c. $265 + 148$



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

a. $476 - 324$

Ndila ya Malindi

$$= 400 - 300 + 70 - 20 + 6 - 4$$

$$= 100 + 50 + 2$$

$$= 152$$



Ndila ya Dumi

$$476 + 324$$

$$= 100 + 50 + 2$$

$$= 152$$

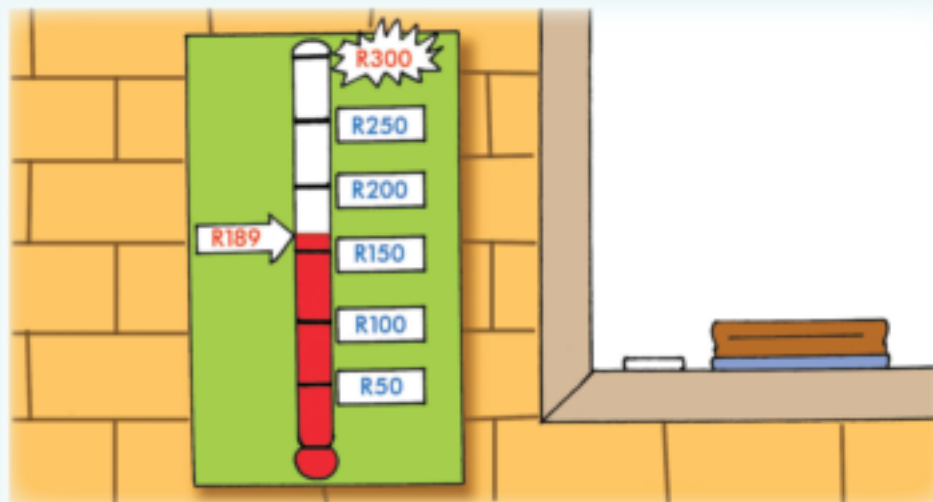


b. $489 - 456$

c. $482 - 161$



Ro swika kha thagethe



Lavhelesani tshifanyiso.

Hu tsoḁea zwingana u itela u swika kha thagethe?

R

Deithi:

47

Phetheni hothehothe

Themo ya 2



Thavha ya tshiphiri

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

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

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

Dzina la thavha ndi



Lavhelesani, ni humbule, ni fhindule!

* * * * * * * * * * * * * *

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

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

- b.
- Nomboro 50 i do vha *.
- Nomboro 100 i do vha .
- Nomboro 28 i do vha .
- Ndi zwone kana a si zwone?
- Ndi zwone kana a si zwone?
- Ndi zwone kana a si zwone?



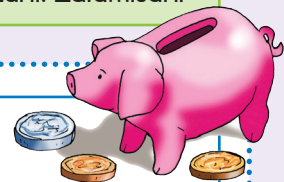
Sedzulusani. Vhambedzani. Lulamisani

Ndi zwifhio zwi re zwinzhi?

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

Kana u wana R150 nga dzil dza Thangule.

Sumbudzani uri no zwi wanisa hani.



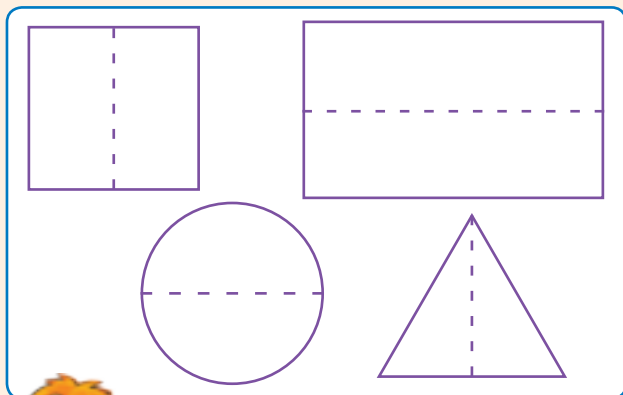
Teacher: _____

Sign: _____

Date: _____

Simethiri (ndinganahuvhili)

Ni zwifhio zwine na zwi vhona kha zwivhumbeo izwi?



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

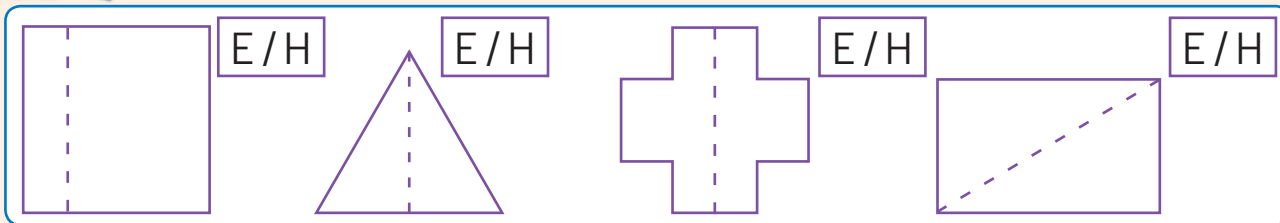
Tshivhumbeo tshi na simethiri arali ni tshi nga tshi peta kha mutalo wa simethiri u itela uri hafu mbili dzi fane kwakwakwa



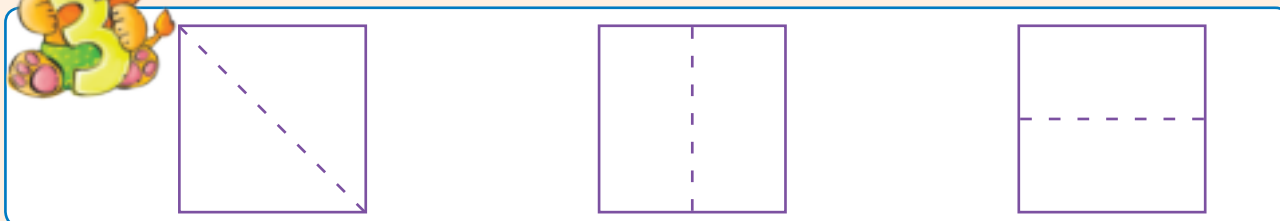
Talani mutalo wa simethiri kha tshivhumbeo tshinwe na tshinwe.



Uyu mutalo wa zwithomathoma ndi mutalo wa simethiri kana hai? Tangedzelani (E) ya Ee kana (H) ya Hai.



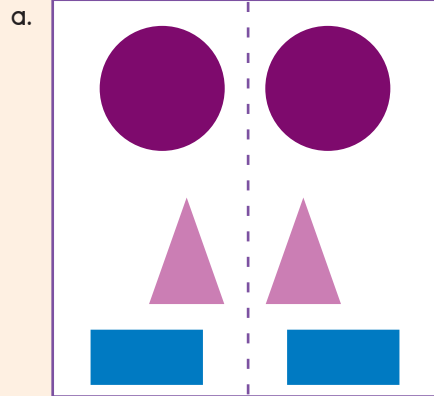
Uyu mutalo ndi wa simethiri? Ngani?



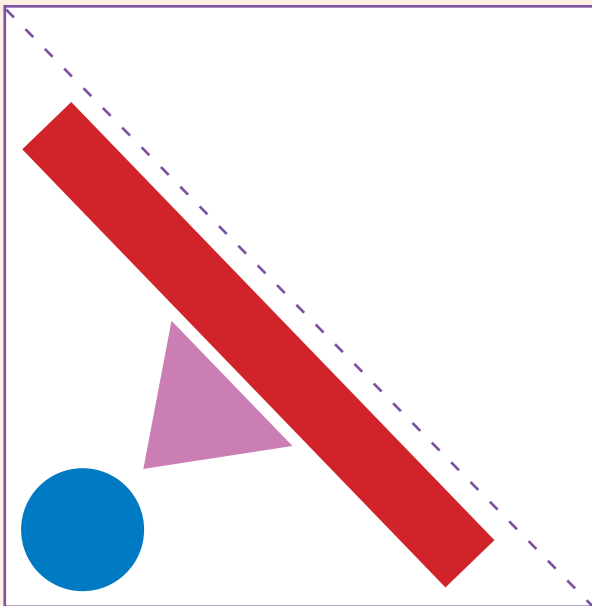


Olani zwivhumbeo ni ite uri tshifanyiso tshi vhe simethiri.

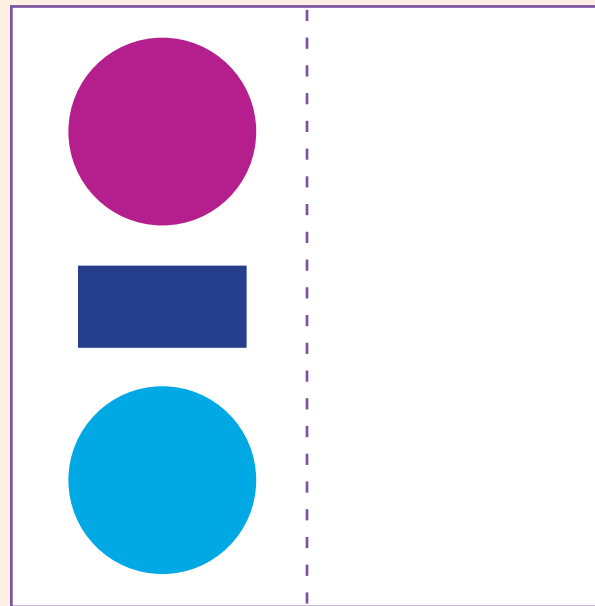
Ro dzula ro ni itela tsha u thoma



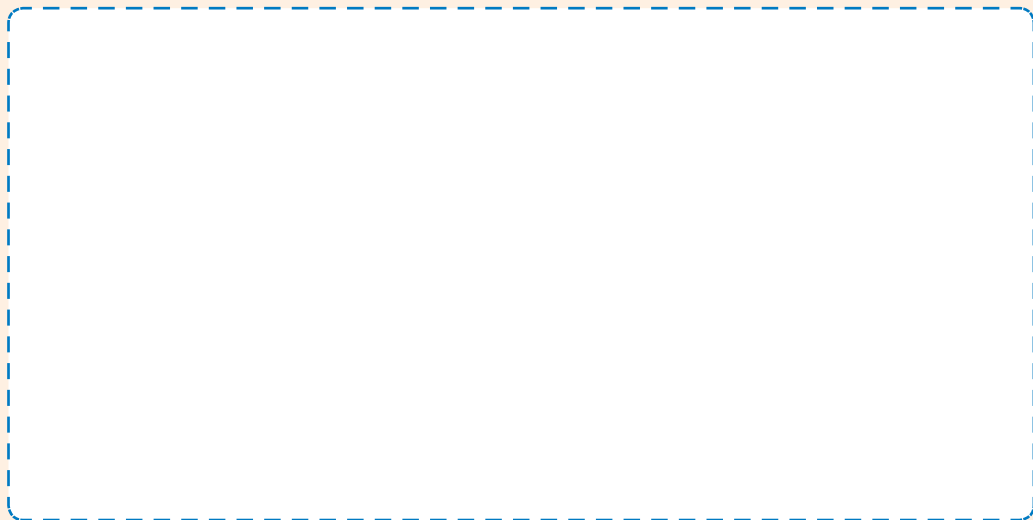
b.



c.



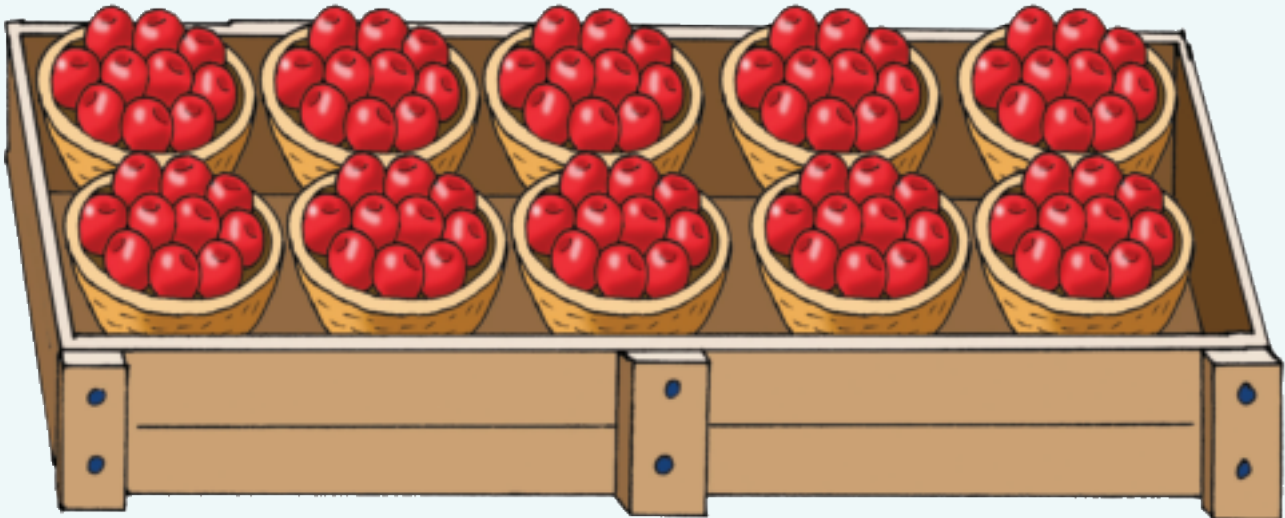
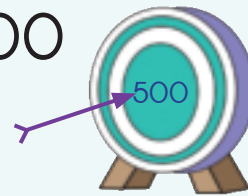
Diteleni khaphethe yanu inwi mune ya simethiri ni tshi shumisa zwivhumbeo.



U fhaṭa u swika kha 500



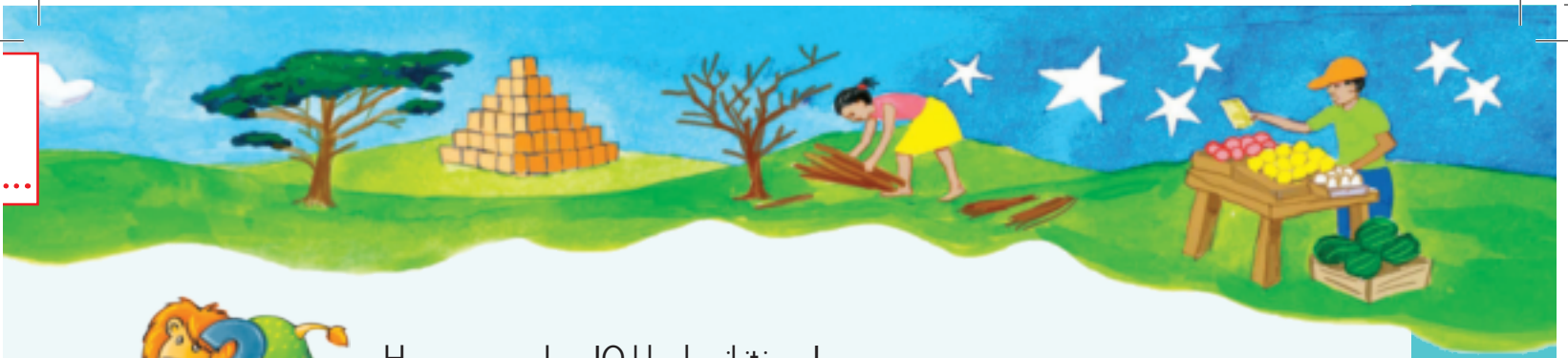
U vhalela maapula



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 dzi hwala maapula a _____
khireiti dza 3 dzi hwala maapula a _____	khireiti dza 4 dzi hwala maapula a _____
khireiti dza 5 dzi hwala maapula a _____	khireiti dza 2 dzi hafu dzi hwala maapula a _____

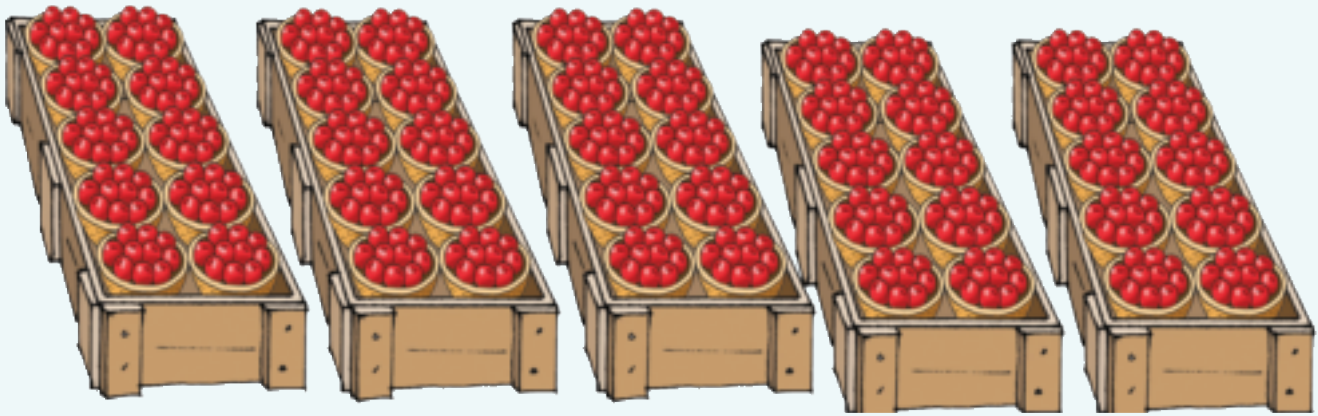


Hu na maapula a 10 kha basikiti ya 1.

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 n̄wala

3 0 0

4 0

5

Thomani nga u shumisa garaṭa dza nomboro ni tshi sumbedza ṭhanganyelo in̄we na in̄we. 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 ____



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

50

Deithi:

Themo ya 2

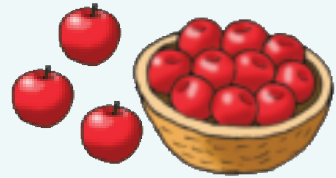
Muandiso na mukovho (10)





U vhala maapula

Dadzani thebulu.

Ndi basikiti (zwithatha) nngana dzo hwalaho maapula?

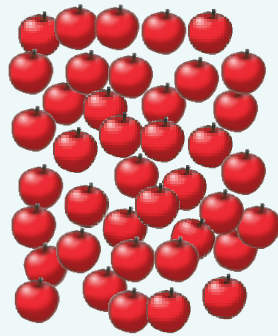


Maapula 	10	20	30	40	50
Basikiti 	1	2			
Mbalo ya \div					$50 \div 10 = 5$
Mbalo ya \times					$5 \times 10 = 50$



Kovhelani vhana maapula. Olani tshifanyiso (nyolo)

a.

Sedzulusani
phindulo dzanu.

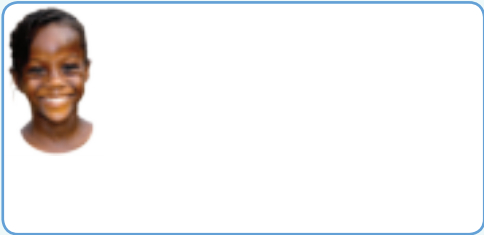
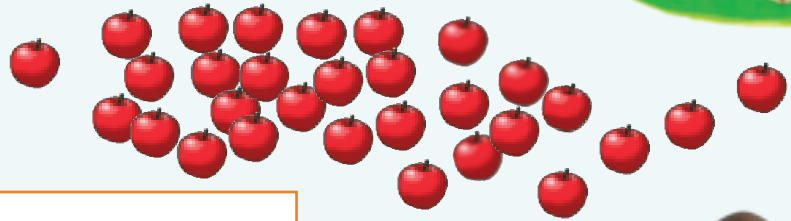
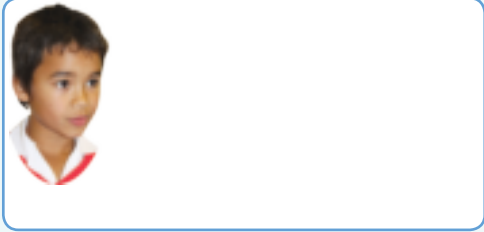
$$\square \div \square = \square$$

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



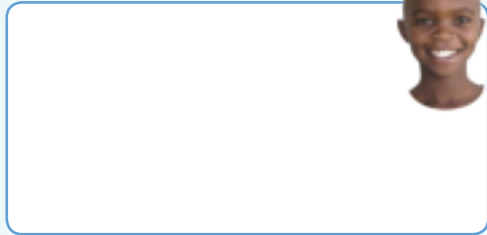


b.

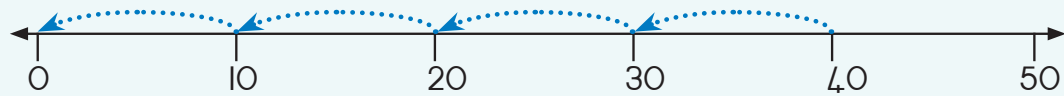


Ñwalani mbalo ya ÷

Ñwalani mbalo ya a
× ni tshi sedzulusa
(tola) phindulo dzanu



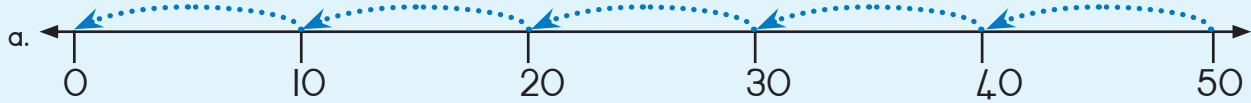
Shumisani nomboro kha u vhumba mafhungombalo anu inwi mune.



Tsumbo

÷ $40 \div 10 = 4$

× $4 \times 10 = 40$



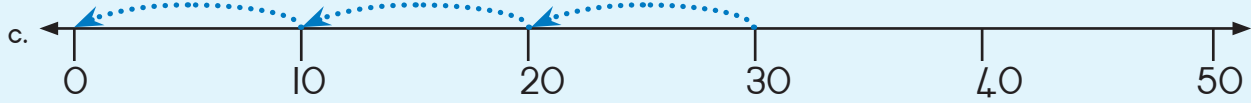
÷

×



÷

×



÷

×



Ñwalani nomboro i re tshukhu nga 10 na khulwane nga 10 khe ye na newa.

<input type="text"/> , 460, <input type="text"/>	<input type="text"/> , 390, <input type="text"/>	<input type="text"/> , 500, <input type="text"/>
--	--	--

Teacher: _____
Sign: _____
Date: _____



U vhala nga dzi2

U vhala ri tshi ya phanda na murahu nga dzi2

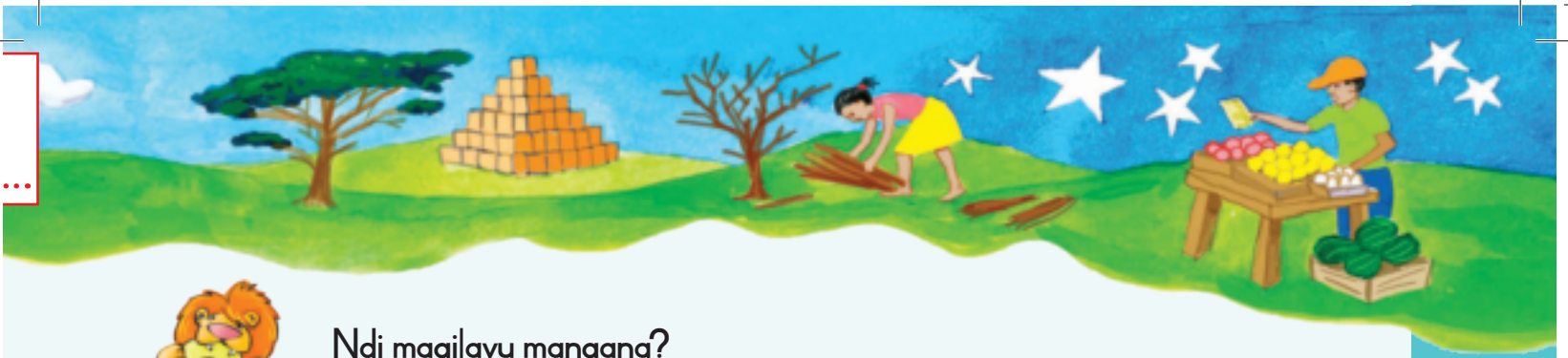
- a. 232; 234; _____; _____; _____; 242; _____; _____; 248
- b. 500; _____; 496; _____; _____; 490; _____; _____; _____
- c. 460; _____; _____; 400; _____; 360; _____; _____; _____
- d. 341; _____; 361; _____; _____; 391; _____; 411; _____; _____



Phere dza magilavu













- a. Hu na phere nngana dza magilavu kha rou inwe na inwe? _____
- b. Hu na magilavu mangana mathihi a re kha rou inwe na inwe? _____
- c. Hu na rou nngana? _____
- d. Hu na magilavu mangana o tangana othe? _____
- e. Sumbedzani uri no zwi wana hani.
- f. Nwalani phindulo yanu sa fhungombalo.
 _____ × _____ = _____



Ndi magilavu mangana?

U riwala kha thebulu.

a.

Phere ya magilavu 	 1	 10	 5	 50	 4	 40	 3	 30	 100
Tshivhalo tsha magilavu	2								

b.

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



U v hala nga mbili

a. Ndi nomboro ifhio i no ḽa vhukati ?

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

b. Nwalani nomboro mbili dzi no tevhela iyi.

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

c. Nwalani nomboro mbili dzi no tevhela iyi.

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

Teacher:

Sign:

Date:



U pulanela ngade


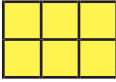
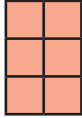
Mufumakadzi Vho Mabena vha na dzithailisi dza u naka.

Vha dzi shumisa kha u pheiva huñwe fhethu ngadeni yavho.

Hu na dzithailisi dza zwikwea zwa 6 zwa saizi nthihi.

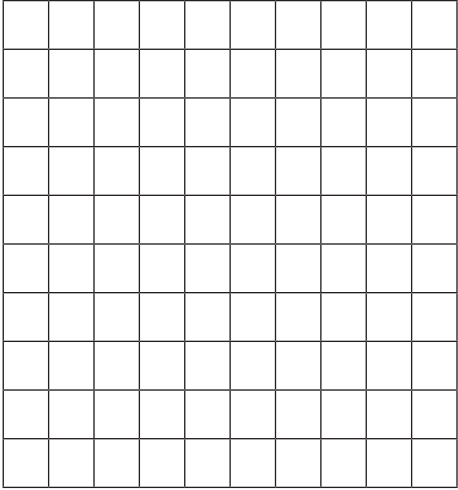
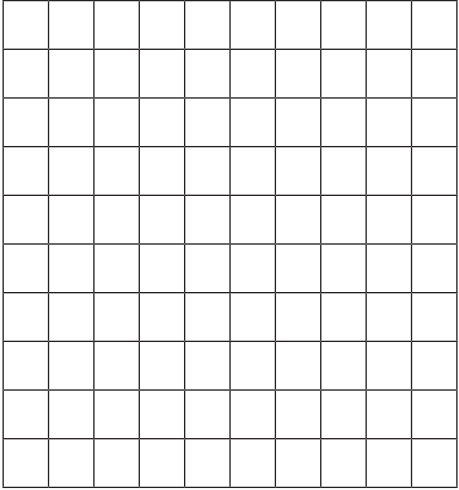
Ndi nga dzi
dzhenisa hani?



Ndi nga ita rou ya 1 nga dzithailisi dza 6.	Ndi nga ita rou dza 2 dzi na dzithailisi dza 3 kha rou.	Ndi nga ita rou dza 3 dzi na dzithailisi dza 2 kha rou inwe na inwe.
		
$6 \times 1 = 6$	$3 \times 2 = 6$	$2 \times 3 = 6$

Zwino ndi tshifhinga tshanu!

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

zwikwea zwa 8	zwikwea zwa 9
	

Nwalani mafhungombalo a nyolo inwe na inwe.



U dzudzanya dzithailisi dza 12

Mukundi u na thailisi dza zwickwea zwa 12 dza u pheiva tsini na nndu. Mu thuseni a wane ndila dzothe dza u ita izwi. Nwalani fhungombalo la ndila inwe na inwe.

Tsumbo: 	$1 \times 12 = 12$ $12 \times 1 = 12$



U dzudzanya dzithailisi dza 24

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



Ndi a kona u andisa!

$12 = 2 \times \square$	$3 \times \square = 12$	$9 = \square \times 3$
$6 = 3 \times \square$	$\square \times 3 = 12$	$24 = 3 \times \square$

Teacher: _____

Sign: _____

Date: _____



Nga dzi5 u swika kha 500



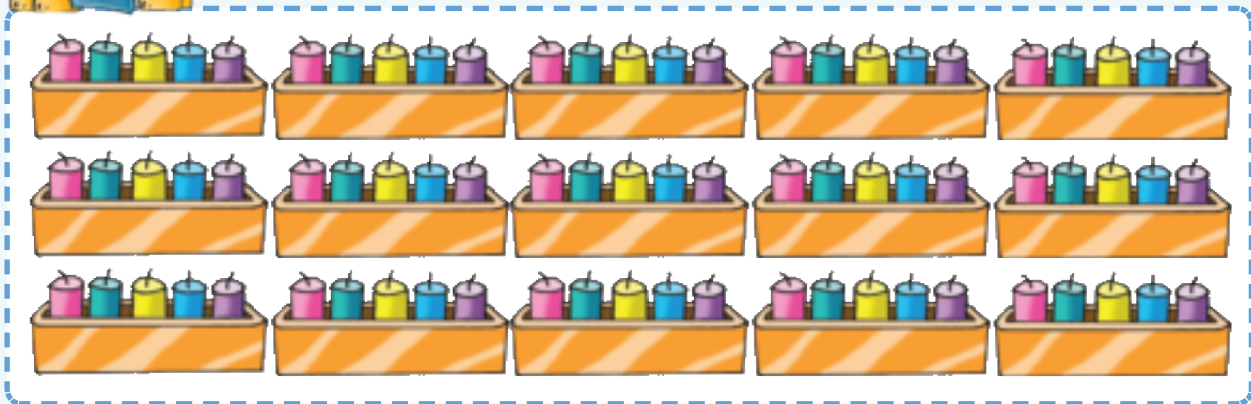
U t̄alukanya 5 dzaṅu

U ṛwala phindulo.

	1	2	3	4	5	6	7	8	9	10
× 5	5									



U vhala makhandela



- Hu na makhandela mangana bogisini liṅwe na liṅwe?
- Hu na mabogisi mangana kha rou iṅwe na iṅwe?
- Hu na makhandela mangana kha rou iṅwe na iṅwe?
- Hu na makhandela mangana o t̄angana o t̄he?



U sumbedza phindulo

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

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

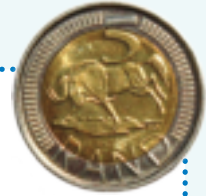


U vhala ni tshi ya phanda na murahu nga 5

- 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 go toga dza u ita?

R5 ÷ R5 = 1 khoini	R10 ÷ R5 = 2 khoini	R15? _____	R20? _____	R25? _____
R30? _____	R35? _____	R40? _____	R45? _____	R50? _____

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

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

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

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

Ni a kona u vhona phetheni?



U andisa nga 5

Tsumbo: $1 \times 5 = 5$; $11 \times 5 = 55$; $21 \times 5 = 105$

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

1	2	3	4	5	6	7	8	9	10
5	10								
11	12	13	14	15	16	17	18	19	20
55									



Debiti:

U shuma nga tshifhinga

U ola zwifhinga

Hafu u bva kha awara ya 5	Kotarau ya kha awara ya vhufumithihi	Kotarau bva kha awara ya 12	12:45	6:15	4:30

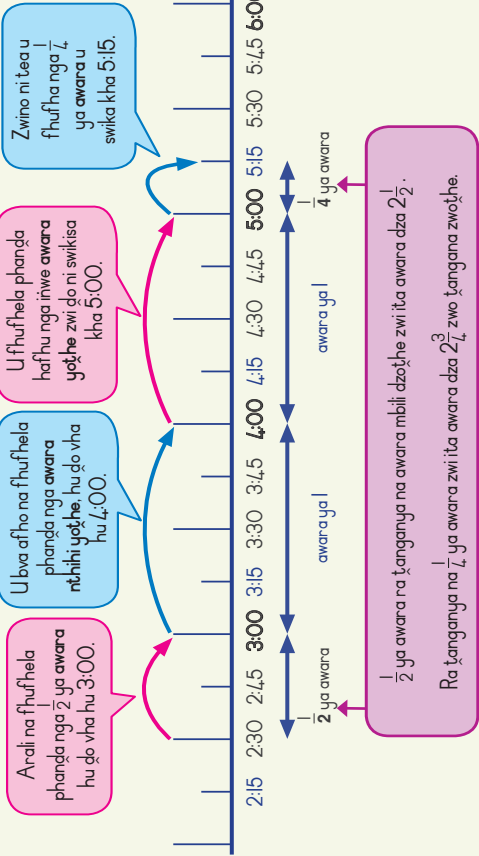
Thaidzo dza tshifhinga

Mime a Tshillo vha bva hayani nga 2:30.

Vha vhuya nga 5:15.

Vha vha vha siho lwa tshifhinga tshingafhani?

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



$\frac{1}{2}$ ya awara na tanganya na awara mbili dzotlhe zwi ita awara dza $2\frac{1}{2}$.
Na tanganya na $\frac{1}{4}$ ya awara zwi ita awara dza $2\frac{3}{4}$ zwo tangana zwotlhe.

Mbalo dza tshifhinga

Tandulani mbalo inwe na inwe.

Shumisani tsumbatshifhinga ya zwivo zwa ndeme uri i ni thuse.

Tolani: Vhambedzani. Lulamisani.



a. Lutendo u ya u tolela khotsi awe kiliniki nga 15:45.

U huma nga 17:15.

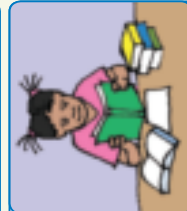
O fhedza tshifhinga tshingafhani?



b. Muldo u ya phakhani nga 10:45.

U humela hayani nga 12:30.

O vha o tswa tshifhinga tshingafhani?



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

U fhedza nga 14:45.

Tumi u vhala tshifhinga tshingafhani?



Teacher: _____
Sign: _____
Date: _____



Dehi:

Vhalani nga dzi3 na dzi4

Bodo dzi re na milenzhe ya 3



Tanganyani ni n'wale phindulo.

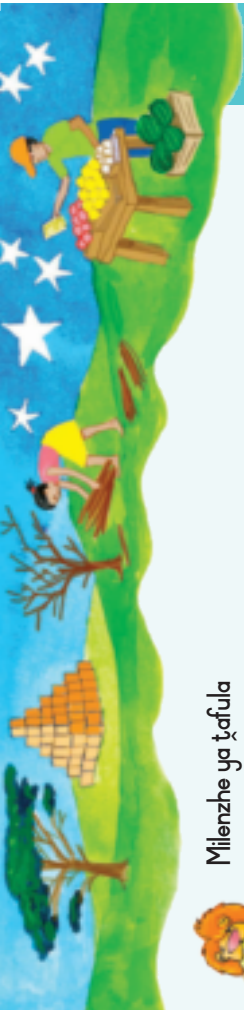


- a. Hu na bodo nngana kha rou? _____
 - b. Hu na milenzhe mingana kha rou? _____
 - c. Hu na rou nngana dza bodo? _____
 - d. Hu na milenzhe mingana yo t'angana yo t'he? Sumbadzani uri no zwi shuma nga ndilađe.
- (✓) Ndi mafhungombalo afhio a re af'ho fhasi a no sumbedza t'hangan'welo?
- $21 \times 7 = \square$ $3 \times 7 \times 3 = \square$ $3 \times 4 \times 2 = \square$ $21 \times 3 = \square$

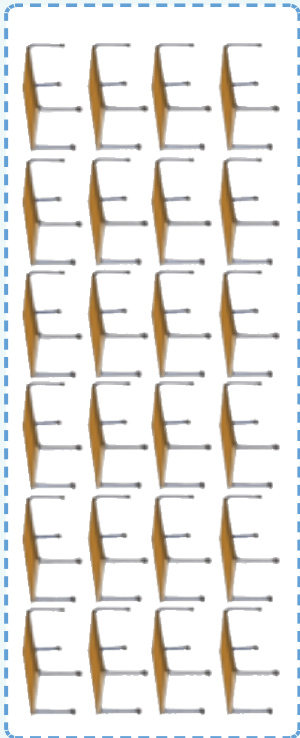


Hu na milenzhe mingana? Elekanyani nga u t'avhanya
Elekanyani nga vhu'ali

bodo ya 1 milenzhe ya 3	bodo dza 10 milenzhe ya	bodo dza 5 milenzhe ya	
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 t'afula



- a. Hu na t'afula nngana kha rou? _____
- b. Hu na milenzhe mingana kha rou? _____
- c. Hu na rou nngana dza t'afula? _____
- d. Hu na milenzhe mingana yo t'angana yo t'he? Sumbadzani uri no zwi shuma nga ndilađe.



Femeni



Muvhadi u ita t'afula. U thoma nga u vhađa milenzhe.
O no vhađa milenzhe ya 48 u swika zwino. Ndi t'afula nngana dzine a nga ita?
U do t'oda milenzhe mingana uri a ite t'afula inwe nthihi?



Fhedzani giridi nga u fhindula mbudziso.

	2	3	4	5	8	10	11	12
$\times 3$								
$\times 4$								

Teacher: _____
Sign: _____
Date: _____



Date:

Vhalani nga dzi50

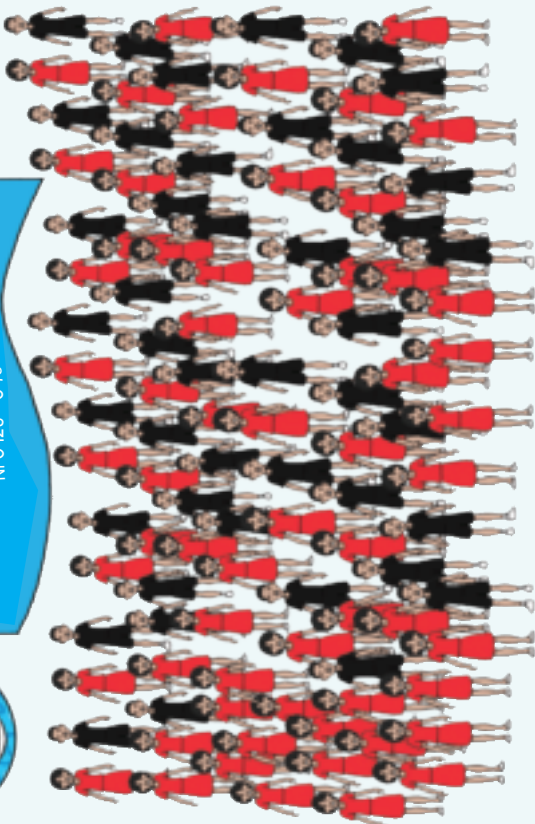
Nwana muthihi, nguvho nthihi!

Hlu na vhana vhangana? Anganyelani, ni kone u vha vhdla.



Nguvho ya Fulfhelo.

Vhana vheshu kha vha dudelwe.
NPO 123 - 098



Vhana vhot,he vha re tshifanyisoni itshi vha fhiwa nguvho. Ndi vhana vhangana vha re hone? _____	Vhalani	Vhambedzani
Ndi 😊 vhatukana vhangana? _____ Ndi 😞 vhasizana vhangana? _____		

Vha badela vhugai?

Mafhungo u renga a 2.

U badela R _____

Mufumakadzi Vho Singo vha renga a 5.

Vha badela R _____

Vha vhengele ja Thembi Stores

Vha renga R _____

Itani kosekose!
R50 ya bai ja!



li renga a 20.

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 _____

Zwi do dzhia tshifhinga tshingafhani? Shumisani khalenda.

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

Vha kuvhanganya R5 nga dluvha kha magluvha a 5 nga vhege.

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



Teacher: _____
Sign: _____
Date: _____

Dedhi:

Furakhisheni hafu na kota

Kovhani bola dzi tshi lingana afho zwibogisini

<ul style="list-style-type: none"> Hu na bola nngana bogisini linwe na linwe? <input type="text"/> Ndi bola nngana dzi re bogisini la phephulu? <input type="text"/> Ndi furakhisheni ifhio i re bogisini la phephulu? <input type="text"/> 	<ul style="list-style-type: none"> Hu na bola nngana bogisini linwe na linwe? <input type="text"/> Ndi bola nngana dzi re bogisini la phephulu? <input type="text"/> Ndi furakhisheni ifhio i re bogisini la phephulu? <input type="text"/>

Lavhelesani zwifanyiso ni fhinidule mbudziso.

Ni kona u vhala zwitendeledzi zwingana? <input type="text"/>	Ni kona u vhala zwitendeledzi zwingana? <input type="text"/>
$\frac{1}{2}$ ya zwitendeledzi ndi ifhio? <input type="text"/>	$\frac{1}{4}$ ya zwitendeledzi ndi ifhio? <input type="text"/>
$\frac{2}{4}$ ya zwitendeledzi ndi ifhio? <input type="text"/>	$\frac{3}{4}$ ya zwitendeledzi ndi ifhio? <input type="text"/>
$\frac{3}{4}$ ya zwitendeledzi ndi ifhio? <input type="text"/>	$\frac{4}{4}$ ya zwitendeledzi ndi ifhio? <input type="text"/>



Khajarani $\frac{1}{2}$ ya zwivhumbeco.

Khajarani $\frac{1}{4}$ ya zwivhumbeco.

Khajarani $\frac{1}{4}$ ya zwivhumbeco.

Khajarani $\frac{3}{4}$ ya zwivhumbeco.

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



Lavhelesani zwitirepe (vhubambiri) zwa furakhisheni

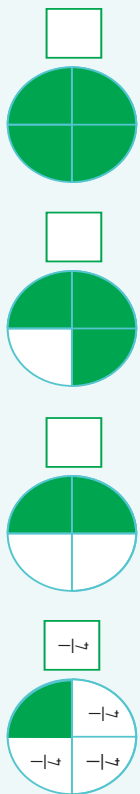


a. Ndi hafu ($\frac{1}{2}$) nngana dzi no do ita yoŋhe nthihi?

Ndi kota ($\frac{1}{4}$) nngana dzi no do ita yoŋhe nthihi?

Ndi kota ($\frac{1}{4}$) nngana dzi no do ita yoŋhe nthihi?

b. Lavhelesani daigiramu (nyolo) ni iwale furakhisheni ya tshipida tsho swifhadzwaho.



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



Teacher:



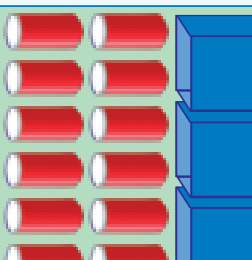
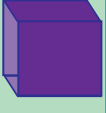


Sign:

Date:

Date:

Furakhisheni: hafu; zwararu na zwarathi

Kovhani zwiikoŋkoŋi (silinda) nga u lingana mabogisini.

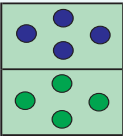
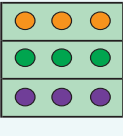
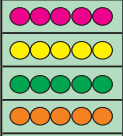
		
		
<input type="text" value="12"/>	<input type="text" value="6"/>	<input type="text" value="1/2"/>

Thanganyelo ya bola:

- Hu na bola mgana bogisini ja phephulu?
- Ndi furakhisheni ifhio i ne bogisini ja phephulu?



Lavhelesani zwiifanyiso ni f'hindule mbudziso.

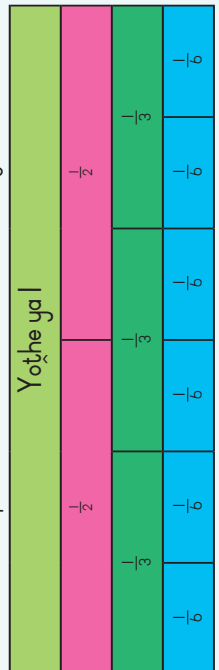
		
<input type="text"/>	<input type="text"/>	<input type="text"/>
Ni kona u vhala zwiwendeledzi zwingana?	ya zwiwendeledzi ndi ifhio?	ya zwiwendeledzi ndi ifhio?
$\frac{1}{2}$ ya zwiwendeledzi ndi ifhio?	<input type="text"/>	<input type="text"/>
	ya zwiwendeledzi ndi ifhio?	ya zwiwendeledzi ndi ifhio?
	<input type="text"/>	<input type="text"/>
	ya zwiwendeledzi ndi ifhio?	ya zwiwendeledzi ndi ifhio?
	<input type="text"/>	<input type="text"/>



- Sumbedzani hafu kha ruja. Hetshi tshi lingana na _____ cm
- Sumbedzani tshararu kha ruja. Hetshi tshi lingana na _____ cm
- Sumbedzani tsharathi kha ruja. Hetshi tshi lingana na _____ cm


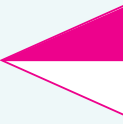




Lavhelesani zwiŋirepe zwa furakhishini. Fhedzisani mafhungo.



- Hu na hafu dza _____ kha yoŋhe.
- Hu na zwararu zwa _____ kha yoŋhe.
- Hu na zwarathi zwa _____ kha yoŋhe.
- Hu na zwarathi zwa _____ kha hafu.
- Hu na zwarathi zwa _____ kha tshararu.

Nwalani furakhisheni ya tshipiga tsho swifhadzwa.

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

Tangedzani furakhisheni khulwane.

a. $\frac{1}{2}$ $\frac{1}{3}$

b. $\frac{1}{2}$ $\frac{1}{6}$

c. $\frac{1}{2}$ $\frac{2}{6}$



Teacher: _____
Sign: _____
Date: _____

Furakhsheni: tshatshanu

Kovhani zwikojikoji mabogisini.



- Hu na zwikojikoji zwa kha $\frac{1}{5}$ ya mabogisi.
- Hu na zwikojikoji zwa kha $\frac{2}{5}$ ya mabogisi.
- Hu na zwikojikoji zwa kha $\frac{3}{5}$ ya mabogisi.
- Hu na zwikojikoji zwa kha $\frac{4}{5}$ ya mabogisi.
- Hu na zwikojikoji zwa kha $\frac{5}{5}$ ya mabogisi.



Lavhelesani zwifanyiso ni fhindule mbudziso.

Hu na tshokoleithi nngana bogisini?

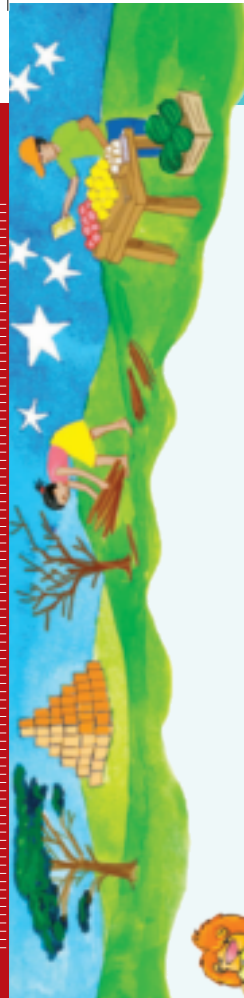
- $\frac{1}{5}$ ya tshokoleithi i lingana na
- $\frac{2}{5}$ ya tshokoleithi i lingana na
- $\frac{3}{5}$ ya tshokoleithi i lingana na
- $\frac{4}{5}$ ya tshokoleithi i lingana na
- $\frac{5}{5}$ ya tshokoleithi i lingana na

Li'nye duvha nado ja $\frac{1}{5}$ ya tshokoleithi. Ho sala tshokoleithi nngana?

Li'nye duvha nado dovha nda ja $\frac{1}{5}$ ya tshokoleithi. Ho sala tshokoleithi nngana?



Debi:



Mivhala ya zwishumiswa zwa u ela.

a.



Lavhelesani zwifinyepe zwa furakhsheni. Fhedzisani mafhungo.

Yothe ya l

$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

Tangedzelani zwiulwane kana zwiçuku

- ndi khulwane / tshukhu kha $\frac{1}{4}$.
- ndi khulwane / tshukhu kha $\frac{1}{2}$.
- ndi khulwane / tshukhu kha $\frac{1}{6}$.
- ndi khulwane / tshukhu kha $\frac{1}{3}$.
- ndi khulwane / tshukhu kha $\frac{2}{3}$.



Teacher:
Sign:
Date:

Debiti:

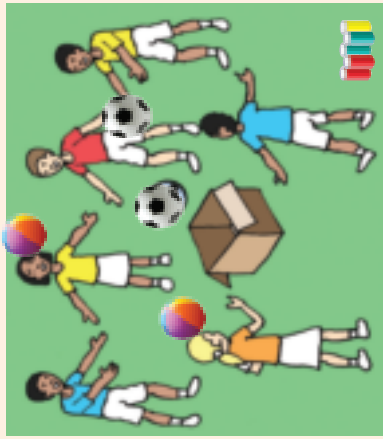
Zwithu zwa 3D



Vhalani zwi bogisi (phirizimu)

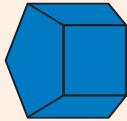
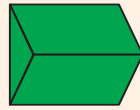
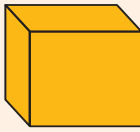
Vhalani bola (zwi pulumbu)

Vhalani silinda



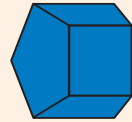
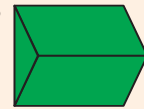
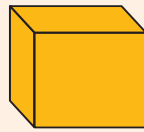
Hezwi zwo t'he ndi mabogisi.

Shumisani Zwi geriswa zwa mabambiri a 3 na 4, kha kha u vhumba izwi zwithu.



Fhethu hurwe na hurwe ha baphathi hupfi ndi lurumbu (phanda ha). Nambatedzani tshifhatuwo tshiwe na tshiwe tshi no khou nwethuwa kha lurumbu lwa bogisi.

No nambatedza zwi fhatuwo zwi gana?



tshikwea

phirizimu

hekizagani

Vhurumbu ha phirizimu ndi ha baphathi kana ho kuta?

Zwino itani silinda nga Tshigeriwa tsha 4.

Vhurumbu ha silinda ndi ha baphathi kana ho kuta?



Talutshedzani tshimo tsha silinda ni tshi shumisa maipfi aya

Talutshedzani tshimo tsha silinda ni tshi shumisa maipfi aya

Nga lurumbu

Nga phanda

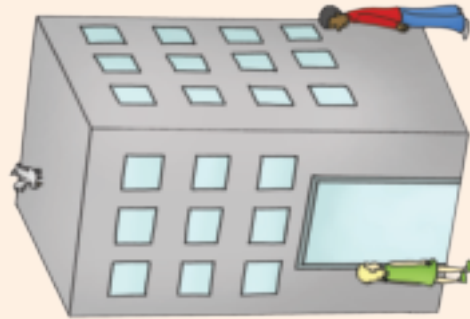
Nga ntsha







Shumisani maipfi a re af'ho fhasi kha u fhedzisa mafhungo.



Musidzana o sedza _____ ha tshif'hat'o.

Munna o sedza _____ lwa tshif'hat'o.

Tshinoni tsho sedza _____ ha tshif'hat'o.

lurumbu

phanda

ntsha



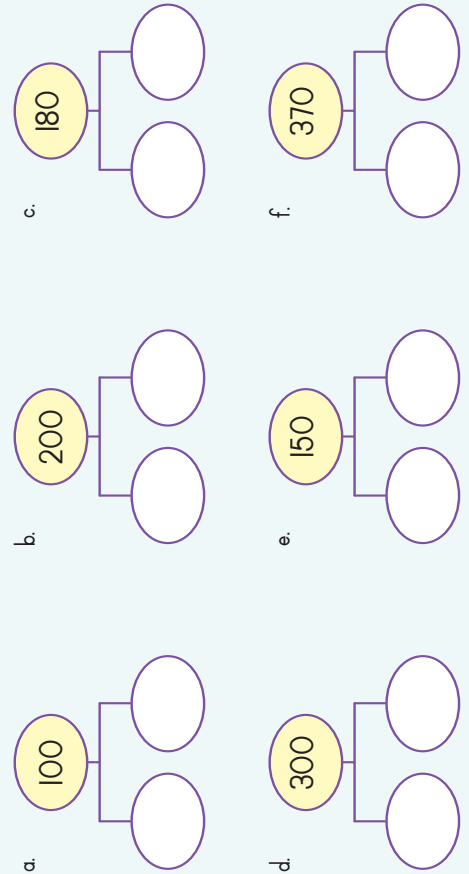
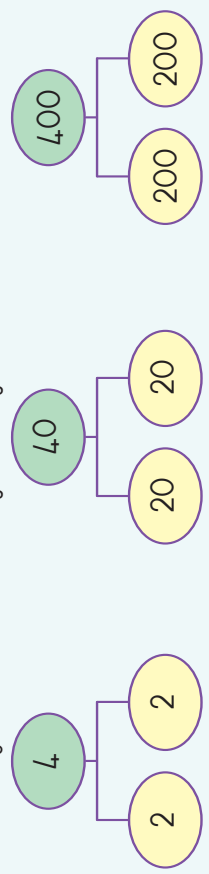
Teacher: _____
Sign: _____
Date: _____

Datshi:

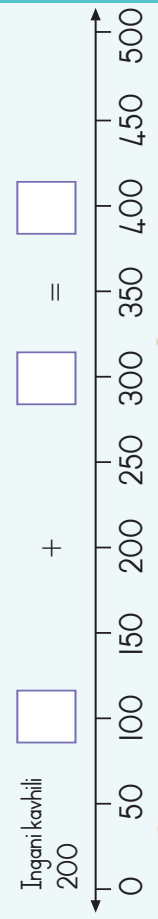
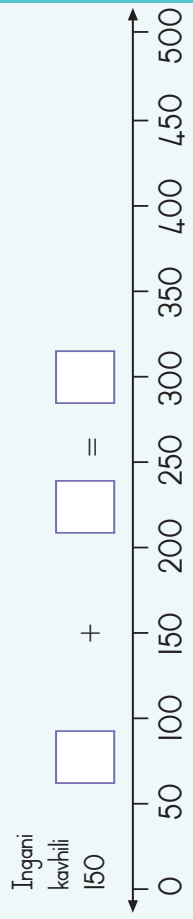
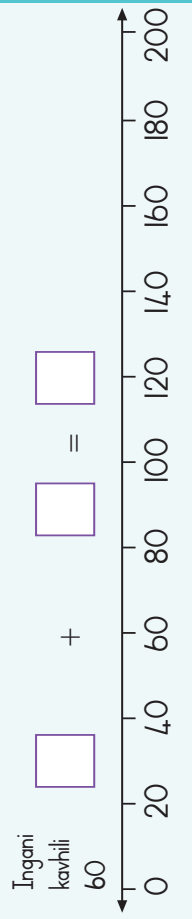
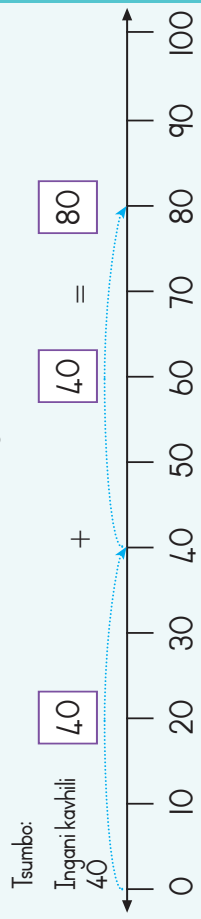
U inga kavhili (dabhulu) na hafu

Ni kha di elelwa? 2 ndi hafu ya 4 4 ndi dabhulu ya 2
 20 ndi hafu ya 40 40 ndi dabhulu ya 20
 200 ndi hafu ya 400 400 ndi dabhulu ya 200

Elelwani! Ni nga sumbedza izwi zwithu kha nyolo (tshifanjiso) ...



Ingani kavhili nomboro nga u shumisa mutalombalo. Ro ni ñea tsumbo ya u thoma.



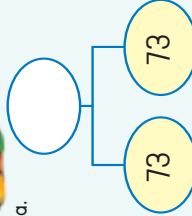
a. Ingani kavhili 100	200	Fhedzisani zwi tevhelaho	a. Hafulani 220	110
b. Ingani kavhili 150			b. Hafulani 180	
c. Ingani kavhili 120			c. Hafulani 260	
d. Ingani kavhili 200			d. Hafulani 60	
e. Ingani kavhili 170			e. Hafulani 320	

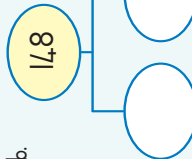
Teacher: _____
 Sign: _____
 Date: _____

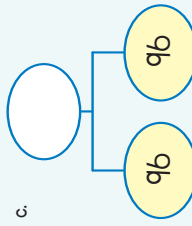
Date:

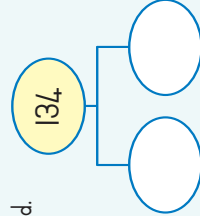
Zwinwe hafu zwa u davhula na u hafu

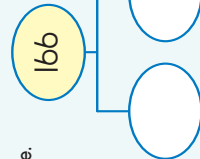
U wana nga zwiwihiti kana hafu

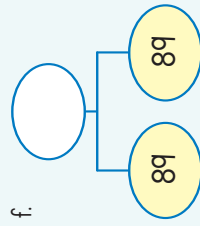
a. 

b. 

c. 

d. 

e. 

f. 

Vhulungelani baisigiri

Peter u vhulunga R25 nga vhege ya u renga baisigiri. Ndi vhege nngana dzine a tea u vhulunga khaazo?

Phindulo: dzivhege dza

Mutengo wo tsa

Ait heme dzothe dzi kha mitengo ya fhasi nga hafu. Nwalani mutengo wa fhasi t sini na ait heme inwe na inwe.

a.  Mabai R190
Mutengo wa fhasi _____

b.  Malagane R154
Mutengo wa fhasi _____




c.  Khushini R54
Mutengo wa fhasi _____

d.  Zwidulo R220
Mutengo wa fhasi _____

Seiji R450
R900

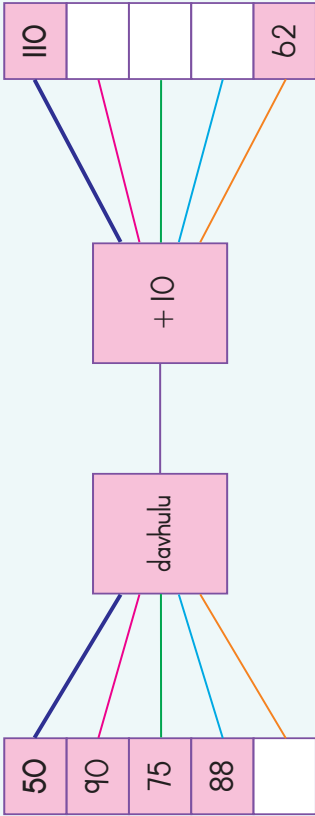


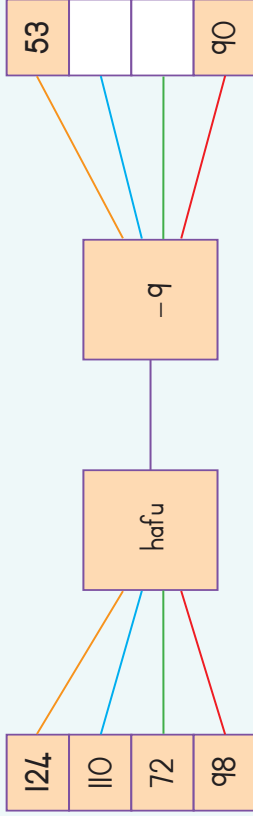
Ndi rannda nngana?

	R135	Musa u khou t'oga hembe. U na hafu fhedzi ya mutengo wa hembe. Ndi vhugai ine ya kha di t'ahela? R _____
	R78.50	Zwienda zwa Peter zwi dura kavhili u fhira izwi. Zwienda zwa Peter zwi dura vhugai? R _____
	R97	Mutengo wa rokho ya Phindi u inga kavhili wa iyi. Rokho ya Phindi i dura vhugai? R _____

Hu dzhena mini? Ha bva mini?

Tevhezani tsumbo. Dzhenisani nomboro dzi no khou t'ahela.

a. 

b. 

Dedhi:



U vhea nga zwi gwada na u ba dekanya

Vheani vhana nga zwi gwada



Mufumakazi Vho Nidaba vha toda u khethekanya kilasi ya bva zwi gwada zwa saizi dzi inganaho u itela mitambo ya nnda ha kilasi. Vha thoma nga u vha vhekanya nga zwi gwada zwa thimu dza vhana vha 4.

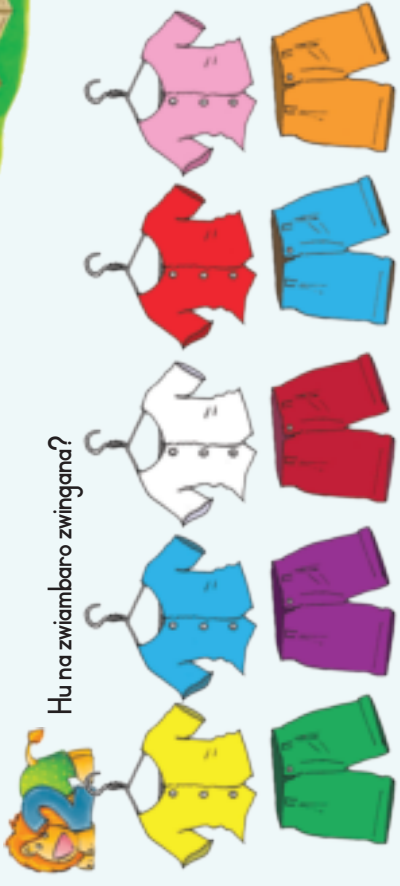


- a. Vhalani vhana.
- b. Vha kona u vhumba thimu nngana?
- c. Sumbadzani dzinwe dzinwe dzine vhana vha nga khethekanya ha bva zwi gwada zwa saizi dzi no lingana.

Tolani: Vhambadzani. Lulamisani.

Blank lines for writing answers to question c.

Hu na zwi ambaro zwi gangana?



Phindi u na hembe dza 5 dza mivhala na marukhu matuku a 5 a mivhala.

Ndi zwi ambaro zwi gangana zwo fhambanaho zwiine a nga zwi ita a tshi khoushumisa u t'anganelana ha mivhala ho fhambanaho?

Blank box for writing the answer to the question above.

Sa tsambo: Hembe ya lutombo/vhurukhu vhpufufhi ha lutombo. Hembe ya lutombo/vhurukhu vhpufufhi ha tshitopana.

Niwalani ledere la u thoma la mivhala muine na muine. Sumbadzani khondzo dzinwe dzinwe dza zwi ambaro.

Blank lines for writing answers to the question above.

Humbulelani: Hu nga itea mini arali Phindi e na mivhala ya b ya fhambanaho ya hembe na marukhu mapfufhi?

Tolani: Vhambadzani. Lulamisani.

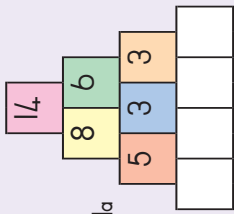
Ndi zwi ambaro zwi gangana zwiine a nga ita?

Teacher: Sign: Date:

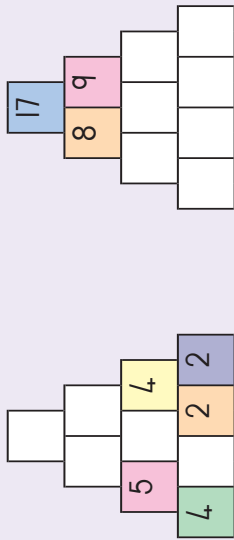
U diphina nga mbalo

Itani mulayo

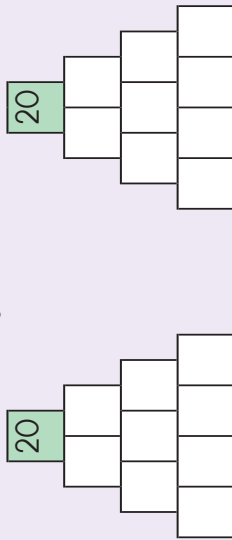
Shumisani mulayo uyu kha u wana nomboro dzi no khou tshela



Zwino shumani hedzi



Fhatyani u swika kha 20 nga ndla dza 3 dzo fhambanahano



Khaedu

Shumisani muhumbulo

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

Nomboro dza 3 dzi re kha rou inwe na inwe dzi fanela u ita 10.

Mulayo: Shumisani nomboro inwe na inwe luthihi fhedzi

Debiti



U wana nomboro

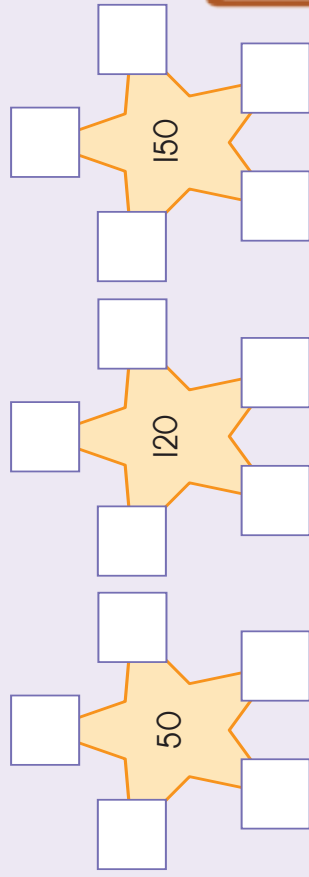
a. Mulayo 3: Nomboro dzi re kha rou inwe na inwe dzi tea u vhumba 16 dzo tangana.

2	5	3	6
			2
		2	

b. Mulayo: Nomboro dza 3, u buga na rou na u tsa na kholomo; dzi ita tshanganyelo ntshihi dzo tangana dzo tshhe.

2	7	6	23	28	21
9		1	12		26
		3		10	

c. Mulayo: Dzhenisani nomboro dza 5 dziniwe na dziniwe dzine dzo tangana dzo tshhe dza ita nomboro i re ngomu ha ralelezi.



Teacher: _____
Sign: _____
Date: _____

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

