



**basic education**

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

**TLHAHLOBO TŠA NGWAGA LE NGWAGA TŠA  
BOSETŠHABA**

**KEREITI 3**

**DIPALO - SEPEDI**

**SETE 2: MOHLALA 2012**

**MEMORANDAMO**



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### TLHAHLOBO TŠA NGWAGA LE NGWAGA TŠA BOSETŠHABA

#### KEREITI 2

#### DIPALO SEPEDI SETE YA 2 EXEMPLAR MEMORANDUM

Potšišo	Dikarabo tšeo di letetšwego	Mepu <sup>o</sup>																																																																																				
1	<table border="1"> <tr> <td>a.</td> <td>497</td> <td><b>496</b></td> <td><b>495</b></td> <td><b>494</b></td> <td><b>493</b></td> <td>492</td> <td><b>491</b></td> <td><b>490</b></td> <td><b>489</b></td> <td><b>488</b></td> <td><b>487</b></td> <td><b>486</b></td> <td>485</td> </tr> <tr> <td>b.</td> <td>210</td> <td><b>220</b></td> <td><b>230</b></td> <td><b>240</b></td> <td>250</td> <td><b>260</b></td> <td><b>270</b></td> <td><b>280</b></td> <td><b>290</b></td> <td><b>300</b></td> <td><b>310</b></td> <td><b>320</b></td> <td>330</td> </tr> <tr> <td>c.</td> <td>385</td> <td><b>380</b></td> <td><b>375</b></td> <td><b>370</b></td> <td><b>365</b></td> <td><b>360</b></td> <td><b>355</b></td> <td>350</td> <td><b>345</b></td> <td><b>340</b></td> <td><b>335</b></td> <td><b>330</b></td> <td>325</td> </tr> <tr> <td>d.</td> <td>398</td> <td><b>400</b></td> <td>402</td> <td><b>404</b></td> <td><b>406</b></td> <td><b>408</b></td> <td><b>410</b></td> <td><b>412</b></td> <td><b>414</b></td> <td><b>416</b></td> <td>418</td> <td><b>420</b></td> <td><b>422</b></td> </tr> <tr> <td>e.</td> <td>399</td> <td><b>396</b></td> <td><b>393</b></td> <td><b>390</b></td> <td>387</td> <td><b>384</b></td> <td><b>381</b></td> <td><b>378</b></td> <td>375</td> <td><b>372</b></td> <td><b>369</b></td> <td><b>366</b></td> <td>363</td> </tr> <tr> <td>f.</td> <td>144</td> <td><b>148</b></td> <td><b>152</b></td> <td><b>156</b></td> <td><b>160</b></td> <td><b>164</b></td> <td><b>168</b></td> <td><b>172</b></td> <td><b>176</b></td> <td><b>180</b></td> <td><b>184</b></td> <td><b>188</b></td> <td><b>192</b></td> </tr> </table>	a.	497	<b>496</b>	<b>495</b>	<b>494</b>	<b>493</b>	492	<b>491</b>	<b>490</b>	<b>489</b>	<b>488</b>	<b>487</b>	<b>486</b>	485	b.	210	<b>220</b>	<b>230</b>	<b>240</b>	250	<b>260</b>	<b>270</b>	<b>280</b>	<b>290</b>	<b>300</b>	<b>310</b>	<b>320</b>	330	c.	385	<b>380</b>	<b>375</b>	<b>370</b>	<b>365</b>	<b>360</b>	<b>355</b>	350	<b>345</b>	<b>340</b>	<b>335</b>	<b>330</b>	325	d.	398	<b>400</b>	402	<b>404</b>	<b>406</b>	<b>408</b>	<b>410</b>	<b>412</b>	<b>414</b>	<b>416</b>	418	<b>420</b>	<b>422</b>	e.	399	<b>396</b>	<b>393</b>	<b>390</b>	387	<b>384</b>	<b>381</b>	<b>378</b>	375	<b>372</b>	<b>369</b>	<b>366</b>	363	f.	144	<b>148</b>	<b>152</b>	<b>156</b>	<b>160</b>	<b>164</b>	<b>168</b>	<b>172</b>	<b>176</b>	<b>180</b>	<b>184</b>	<b>188</b>	<b>192</b>	1 1 1 1 1
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2.	a. 900 , <b>800</b> , <b>700</b> , <b>600</b> , 500 , <b>400</b> , <b>300</b> , <b>200</b> .	1																																																																																				
	b. 150 , 200 , 250 , <b>300</b> , <b>350</b> , <b>400</b> , <b>450</b> , 500	1																																																																																				
3	<b>Pele ka lesome: 110 , 120, 130 , 140 , 150 , 160 , 170, 180, 190, 200</b>	1																																																																																				
	<b>Morago ka hlano: 190, 185, 180 , 175 , 170 , 165 , 160</b>	1																																																																																				
	<b>Pele ka tharo: 153 , 156 , 159 , 162 , 165 , 168</b>	1																																																																																				
	<b>Morago ka pedi: 110, 108, 106, 104, 102, 100, 98</b>	1																																																																																				
4	268 ke nomoro ya mafelelo mo mothalopalong	1																																																																																				
5	150 , 250 , 350 , <b>450</b> , <b>550</b> , <b>650</b> , <b>750</b> , <b>850</b>  molawana: <b>Balela ka 100</b>	1																																																																																				
6	B	1																																																																																				

7	<table border="1"> <tr> <td>250</td> <td>→</td> <td>Lekgolo lesomešupa</td> <td>5</td> </tr> <tr> <td>117</td> <td>→</td> <td>Lekgolo masometharo senyane</td> <td></td> </tr> <tr> <td>8</td> <td>→</td> <td>Makgolopedi masomenne tshela</td> <td></td> </tr> <tr> <td>246</td> <td>→</td> <td>Makgolopedi masomehlano</td> <td></td> </tr> <tr> <td>139</td> <td>→</td> <td>seswai</td> <td></td> </tr> </table>	250	→	Lekgolo lesomešupa	5	117	→	Lekgolo masometharo senyane		8	→	Makgolopedi masomenne tshela		246	→	Makgolopedi masomehlano		139	→	seswai		
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246	→	Makgolopedi masomehlano																				
139	→	seswai																				

8.	a.	762	1
	b.	984	1
	c.	609	1
9.	a.	Makgolopedi masometharo hlano	1
	b.	Lekgolo	1
	c.	Lekgolo masomeseswai tharo	1
10.	a.	Lekgolo mašometharosenyane ✓ 139 ✓	1
	b.	Lekgolo masomesenyane ✓ 190 ✓	1

11.	a.	Makgolopedi masomenne nne ✓ 244 ✓	1
	b.	Lekgolo masometharo seswai ✓ 138 ✓	1
	c.	Masomeseswai seswai ✓ 88 ✓	1
12.	a.	Lekgolo masomehlano ✓ 150 ✓	1
	b.	Makgolopedi masomesupa nne ✓ 274 ✓	1
	c.	Masomehlano hlano ✓ 55 ✓	1
13.	a.	Maaka	1
	b.	nnete	1
	c.	nnete	1
14.	a.	<	1
	b.	<	1
	c.	>	1
15.	a.	112 , 122 , 211 , 212 , 221	1
	b.	220 , 230 , 302 , 320 , 330	1
	c.	246 , 266 , 424 , 426 , 462	1

16.	a.	221 , 212 , 211 , 122 , 112	1
	b.	330 , 320 , 302 , 230 , 220	1
	c.	462 , 426 , 424 , 266 , 246	1
17.		B	1
18.	a.	3	1
	b.	200	1
	c.	0	1
	d.	20	1
19.	a.	236	1
	b.	6	1
	c.	Makgolo a 2 masome a 3 le metšo e 6	1
	d.	3	1
	e.	100	1
	f.	10	1
20.	a.	304	1
	b.	63	1
	c.	222	1
	d.	416	1
21.		315	1
22.		400 + 80 + 5	1
		200 + 200 + 40 + 40 + 3 + 2 goba mokgwa o mongwe le o mongwe wa maleba	1

23.	a.	Makgolo a 0, masome a 6, le metšo e 63	1
	b.	Makgolo a 2, goba masome a 25, goba metšo e 258	1
	c.	Makgolo a 3, goba metšo e 306	1
	d.	Makgolo a 4, goba masome a 44 goba metšo e 440	1
24.		$50 + 20 + 5$ → $360$ $200 + 120 + 20 + 7$ → $75$ $300 + 60 + 0$ → $444$ $400 + 40 + 4$ → $347$	4

**Diophareišene ka dinomoro tše di tletšego: Go hlakantšha, go ntšha, go atiša le go arola.**

1.	a.	<b>Nomoro gabedi</b>	<b>Nomoro</b>	<b>Šeripa sa nomoro</b>	6
		62	31	15 le seripa	
		324	162	81	
		812	406	203	
	b.	<b>Nomoro</b>	<b>Nomoro kgauswi le 10</b>		2
		152	150		
		75	80		

2.	a.	nnete	4
	b.	maaka	
	c.	maaka	
	d.	maaka	

3.	a.	$200 + 10 + 9 + 100 + 30 + 7 = 356$	3
	b.	$200 + 50 + 9 + 40 + 5 = 304$	
	c.	$200 + 30 + 6 + 100 + 10 + 4 = 350$	
4.	a.	302	3
	b.	328	
	c.	221	
5.	a.	400	2
	b.	290	
6.	a.	$175 - 50 - 9 = 125 - 9 = 116$	2
	b.	$194 - 100 - 30 - 7 = 94 - 30 - 7 = 64 - 7 = 57$	
7.	a.	$300 + 70 + 7 - 100 - 30 - 4 = 200 + 40 + 3 \checkmark = 243 \checkmark$	2
	b.	$200 + 90 + 4 - 100 - 50 - 2 = 100 + 40 + 2 \checkmark = 142 \checkmark$	2
8.	a.	$10 \times 5 + 3 \times 5 = 50 + 15 \checkmark = 65 \checkmark$	2
	b.	$10 \times 4 + 7 \times 4$ $= 40 + 28 \checkmark$ $= 68 \checkmark$	2
9.	a.	$12 + 12 + 12 + 12 + 12 + 12 = 72$	2
	b.	$14 + 14 + 14 + 14 + 14 = 70$	
10.	a.	$54 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 = 0$ e ra gore $54 \div 6 = 9$	2
	b.	$72 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 = 0$ e ra gore $72 \div 9 = 8$	
11.	a.	$40 \div 10 + 30 \div 10 = 4 + 3 = 7$	2
	b.	$40 \div 8 + 8 \div 8 = 5 + 1 = 6$	

**Tharollo ya bothata (palo ka mantšu).**

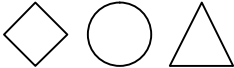
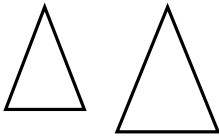

1.	a.	$499 - 163 = 336$	1
	b.	$216 + 93 = 309$	1
2.		Nomoro ya memabolo = $125 - 82 = 43$	1

3.	Nomoro ya malekere = $120 \times 2 = 240 - 96 = 144$	2
4.	Nomoro ya dipampišana = $86 + 123 + 219 = 428$	1
5.	Nomoro ya maotwana = $6 \times 3 = 18$	1
6.	Nomoro ya dikherote $40 \div 5 = 8$	1
7.	a. $41 \div 2 = 20$ le šeripa	1
	b. Nomoro ya mae = $49 \div 4 = 12$ gwa šala le 1	1
	c. $22 \div 3 = 7$ le 1 tharong/gwa šala 1	2

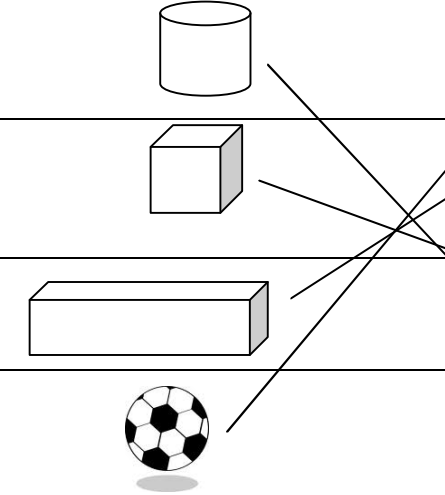
**Go hlakantšha o šomiša tšhelete.**

1.	Tšhelete yeo e šomišitšwego = $20 \times 25c + 14 \times R2,50 + 20 \times R1,50 + 12 \times R5$		5														
	$= R1 \checkmark + R35 \checkmark + R30 \checkmark + R60 \checkmark$ $= R120 \checkmark$		2														
2.	a.	Theko = $R10 + R3,50 + R3,50 \checkmark = R17,00 \checkmark$	1														
	b.	<p>Tšhentšhi = <math>R5,00 + R5,00 + R5,00 = R15,00</math> <math>R20,00 - R15,00 = R5,00 \checkmark</math></p> <p>goba <math>R20 - R5 \times 3 = R20 - R15 = R5 \checkmark</math></p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td><b>Palo ya dipheta</b></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>10</td> <td>20</td> </tr> <tr> <td><b>Theko ka diranta</b></td> <td>4</td> <td>8</td> <td>12</td> <td>16</td> <td>20</td> <td>40</td> <td>80</td> </tr> </table>		<b>Palo ya dipheta</b>	1	2	3	4	5	10	20	<b>Theko ka diranta</b>	4	8	12	16	20
<b>Palo ya dipheta</b>	1	2	3	4	5	10	20										
<b>Theko ka diranta</b>	4	8	12	16	20	40	80										
3.			5														

**PATERONE LE DIFANKŠENE**

.1						1	
2.						1	
3.	Moputšo o 1 go tatelelano ya maleba					1	
4.						1	
5.	a.	360; 363; 369; <b>372;375;</b> ✓ <b>balela pele ka 3</b> ✓				2	
	b.	440; 444; 448; <b>452; 456;</b> ✓ <b>balela pele ka 4</b> ✓					
6.	B					1	
7.	Nomoro ya dipheta tša molaleng	1	2	3	14	<b>50</b>	2
	Nomoro ya meruka	10	20	30	<b>140</b>	500	

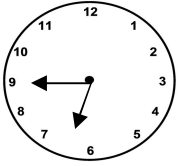
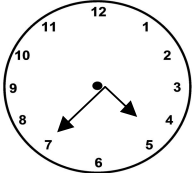
**SEKGOBA LE SEBOPEGO**

1.	A					1
2.	B					1
3.	6					1
4.					<p>Nkgokolo</p> <p>Setena sa khutlonne</p> <p>Khube/Cube</p> <p>silinta</p>	4



5.		2 , 1 and 4	3
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### KELO

1.	a.	Metsotso e 18 go tšwa go iri ya 8 goba 8:18	1
	b.	Metsotso e 8 go tšwa go iri ya 10 goba 10:08	1
	c.	Metsotso o e 10 go ya go iri ya 2 goba 1:50 goba 13:50	1
2.	a.		1
	b.		1
3.		2:35	1
4.		Metsotso e 45	1
5.		$22 - 8 = \text{matšatši a } 14$	1
6.	a	29 mm goba 2.9 cm	1
	b	20 mm goba 2 cm	1

### TŠHOMIŠO YA DATA

1.	a.	20	1
	b.	Labohlano	1
	c.	55	1
	d.	$55 - 40 = 15$	1

2.	a.	4	1
	b.	Suzie	1
	c.	Lebo	1
	d.	$9 + 4 = 13$	1