



**basic education**

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

**TLHAHLOBO TSA SELEMO LE SELEMO TSA**

**NAHA**

**KEREITI YA 3**

**SESOTHO - MMETSE**

**SETE YA 2: MOHLALA 2012**

**MEMORANDAMO**

Pots o	Dikarabo tse lebelletsweng	Matsh wao																																																																																				
1	<table border="1"> <tr><td>a</td><td>497</td><td>496</td><td>495</td><td>494</td><td>493</td><td>492</td><td>491</td><td>490</td><td>489</td><td>488</td><td>487</td><td>486</td><td>485</td></tr> <tr><td>b</td><td>210</td><td>220</td><td>230</td><td>240</td><td>250</td><td>260</td><td>270</td><td>280</td><td>290</td><td>300</td><td>310</td><td>320</td><td>330</td></tr> <tr><td>c</td><td>385</td><td>380</td><td>375</td><td>370</td><td>365</td><td>360</td><td>355</td><td>350</td><td>345</td><td>340</td><td>335</td><td>330</td><td>325</td></tr> <tr><td>d</td><td>398</td><td>400</td><td>402</td><td>404</td><td>406</td><td>408</td><td>410</td><td>412</td><td>414</td><td>416</td><td>418</td><td>420</td><td>422</td></tr> <tr><td>e</td><td>399</td><td>396</td><td>393</td><td>390</td><td>387</td><td>384</td><td>381</td><td>378</td><td>375</td><td>372</td><td>369</td><td>366</td><td>363</td></tr> <tr><td>f</td><td>144</td><td>148</td><td>152</td><td>156</td><td>160</td><td>164</td><td>168</td><td>172</td><td>176</td><td>180</td><td>184</td><td>188</td><td>192</td></tr> </table>	a	497	496	495	494	493	492	491	490	489	488	487	486	485	b	210	220	230	240	250	260	270	280	290	300	310	320	330	c	385	380	375	370	365	360	355	350	345	340	335	330	325	d	398	400	402	404	406	408	410	412	414	416	418	420	422	e	399	396	393	390	387	384	381	378	375	372	369	366	363	f	144	148	152	156	160	164	168	172	176	180	184	188	192	1 1 1 1 1 1
a	497	496	495	494	493	492	491	490	489	488	487	486	485																																																																									
b	210	220	230	240	250	260	270	280	290	300	310	320	330																																																																									
c	385	380	375	370	365	360	355	350	345	340	335	330	325																																																																									
d	398	400	402	404	406	408	410	412	414	416	418	420	422																																																																									
e	399	396	393	390	387	384	381	378	375	372	369	366	363																																																																									
f	144	148	152	156	160	164	168	172	176	180	184	188	192																																																																									
2.	(a) 900 ; <b>800</b> ; 700 ; 600 ; 500 ; 400 ; 300 ; 200.	1																																																																																				
	(b) <b>150</b> ; 200 ; 250 ; 300 ; 350 ; 400 ; 450 ; 500	1																																																																																				
3	<b>Ho balla pele ka mashome : 110 ; 120; 130 ; 140 ; 150 ; 160 ; 170; 180; 190; 200</b>	1																																																																																				
	<b>Ho balla morao ka bo hlano: 190; 185; 180 ; 175 ; 170 ; 165 ; 160</b>	1																																																																																				
	<b>Ho balla pele ka bo tharo: 153 ; 156 ; 159 ; 162 ; 165 ; 168</b>	1																																																																																				
	<b>Ho balla morao ka pedi: 110; 108; 106; 104; 102; 100; 98</b>	1																																																																																				
4	268 ke nomoro ya ho qetela ho mola palo	1																																																																																				
5	150 ; 250 ; 350; <b>450 ; 550 ; 650 ; 750; 850</b>  <b>Molao o sebedisitsweng: Ho bala ka 100</b>	1																																																																																				
6	B	1																																																																																				
7	<table border="1"> <tr><td>250</td><td>→ Lekgolo le shosupa</td></tr> <tr><td>117</td><td>→ Lekgolo le mashotharo robong</td></tr> <tr><td>8</td><td>→ Makgolo a mabedi le mashonne tshela</td></tr> <tr><td>246</td><td>→ Makgolo a mabedi le mashohlano</td></tr> <tr><td>139</td><td>→ robedi</td></tr> </table>	250	→ Lekgolo le shosupa	117	→ Lekgolo le mashotharo robong	8	→ Makgolo a mabedi le mashonne tshela	246	→ Makgolo a mabedi le mashohlano	139	→ robedi	5																																																																										
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8	(a) 762	1																																																																																				
	(b) 984	1																																																																																				
	(c) 609	1																																																																																				
9	(a) Makgolo a mabedi le mashotharo hlano	1																																																																																				
	(b) Lekgolo	1																																																																																				
	(c) Lekgolo le mashorobedi tharo	1																																																																																				
10	(a) Lekgolo le mashotharo robong 139	2																																																																																				

	(b)	Lekgolo le mashorobong 190	2
11	(a)	Makgolo a mabedi le mashonne nne ✓ 244 ✓	2
	(b)	Lekgolo le mashotharo robedi ✓ 138 ✓	2
	(c)	Mashorobedi robedi ✓ 88 ✓	2
12	(a)	Lekgolo le mashohlano ✓ 150 ✓	2
	(b)	Makgolo a mabedi le mashosupa nne ✓ 274 ✓	2
	(c)	Mashohlano hlano ✓ 55 ✓	2
13	(a)	Tjhe	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)	<b>Makgolo a 2 mashome a 3 le metso e 6</b>	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 kapa qhaqhollo e nngwe le e nngwe e nepahetseng	1
23	(a)	0 makgolo; mashome a 6 kapa 63 ya metso	1
	(b)	Makgolo a 2 kapa mashome a 25 kapa metso e 258	1
	(c)	Makgolo a 3 kapa metso e 306	1
	(d)	Makgolo a 4 kapa mashome a 44 kapa metso e 440	1
24		50 + 20 + 5	360
		200 + 120 + 20 + 7	75
		300 + 60 + 0	444
		400 + 40 + 4	347

**Matshwao a dinomoro tse tletseng: Kopanya;Tlosa;Atisa le ho Arola**

1	(a)	<b>Nomoro habedi</b>	<b>Nomoro</b>	<b>Haloho ya nomoro</b>	6
		62	31	15 le haloho	
		324	162	81	
		812	406	203	
	(b)	<b>Nomoro</b>	<b>Nomoro e phetahatswa haufinyana le 10</b>		2
		152	150		
		75	80		
2	(a)	Nnete			4
	(b)	Tjhe			
	(c)	tjhe			
	(d)	tjhe			

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)	$54 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 = 0$ means $54 \div 6 = 9$	2
	(b)	$72 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 = 0$ means $72 \div 9 = 8$	
11	(a)	$40 \div 10 + 30 \div 10 = 4 + 3 = 7$	2
	(b)	$40 \div 8 + 8 \div 8 = 5 + 1 = 6$	

**Ho Rarolla mathata (Dipalo tsa mantswe).**

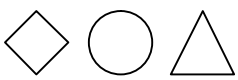
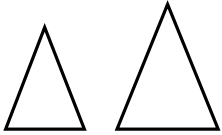
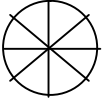
1	(a)	$499 - 163 = 336$	1
	(b)	$216 + 93 = 309$	1
2		Palo ya dimabole = $125 - 82 = 43$	1
3		Palo ya dipompong = $120 \times 2 = 240 - 96 = 144$	2
4		Palo ya ditene = $86 + 123 + 219 = 428$	1
5		Palo ya mabidi = $6 \times 3 = 18$	1
6		Palo ya dihwete ka nngwe $40 \div 5 = 8$	1
7	(a)	Palo ka nngwe = $41 \div 2 = 20$ le halofo	1
	(b)	Palo ya mahe = $49 \div 4 = 12$ ho sala 1	1
	(c)	Palo ka nngwe = $22 \div 3 = 7$ le 1/ borarong ya sala	2

**Tharollo e kenyeletsang tjhelete**

1	<p>Bokalo bo sebedisitsweng = <math>20 \times 25c + 14 \times R2;50 + 20 \times R1;50 + 12 \times R5</math></p> <p style="text-align: center;"><math>= R1 \checkmark + R35 \checkmark + R30 \checkmark + R60 \checkmark</math></p>	5
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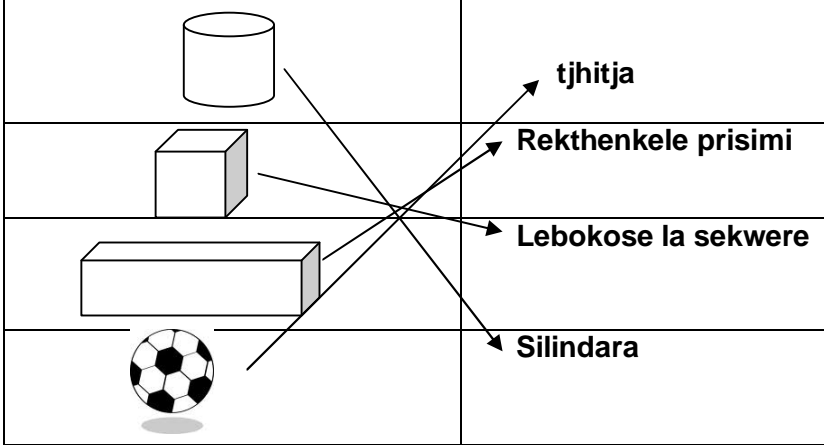
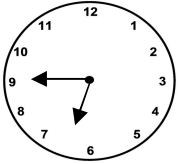
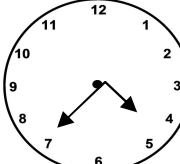
		$= R120 \checkmark$																	
2	(a)	Theko = $R10 + R3;50 + R3;50 \checkmark = R17;00 \checkmark$	2																
	(b)	Tjhentjhe = $R5;00 + R5;00 + R5;00 = R15;00 \checkmark$ $R20;00 - R15;00 = R5;00 \checkmark$  Kapa $R20 - R5 \times 3 \checkmark = R20 - R15 = R5 \checkmark$	2																
3		<table border="1"> <tr> <td>Palo ya difaha tsa molaleng</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>Theko ka diranta</td> <td>4</td> <td>8</td> <td>12</td> <td>16</td> <td>20</td> <td>40</td> <td>80</td> </tr> </table>	Palo ya difaha tsa molaleng	1	2	3	4	5	10	20	Theko ka diranta	4	8	12	16	20	40	80	5
Palo ya difaha tsa molaleng	1	2	3	4	5	10	20												
Theko ka diranta	4	8	12	16	20	40	80												

### DIPATERONE LE DIFANKSHENE

1			1												
2			1												
3		1 letshwao tatellanong e nepahetseng	1												
4			1												
5	(a)	360; 363; 369; <b>372; 375; \checkmark</b> Ho ball pele ka 3 \checkmark	2												
	(b)	440; 444; 448; <b>452; 456; \checkmark</b> Ho balla pele ka 4 \checkmark	2												
6		B	1												
7		<table border="1"> <tr> <td>Difaha tsa molaleng</td> <td>1</td> <td>2</td> <td>3</td> <td>14</td> <td><b>50</b></td> </tr> <tr> <td>Difaha</td> <td>10</td> <td>20</td> <td>30</td> <td><b>140</b></td> <td>500</td> </tr> </table>	Difaha tsa molaleng	1	2	3	14	<b>50</b>	Difaha	10	20	30	<b>140</b>	500	2
Difaha tsa molaleng	1	2	3	14	<b>50</b>										
Difaha	10	20	30	<b>140</b>	500										

### SEBAKA LE SEBOPEHO

1	A	1
2	B	1
3	6	1

4			4
5		<b>2 ; 1 le 4</b>	3
1	A	Metsotso e 18 ka mora hora ya 8 kapa 8:18	1
	B	Metsotso e 8 ka mora hora ya 10 kapa 10:08	1
	C	Metsotso e 10 pele ho hora ya 2 kapa 1:50 kapa 13:50	1
2	A		1
	B		1
3		2:35	1
4		Metsotso e 45	1
5		$22 - 8 =$ matsatsi a 14	1
6	(a)	2 9 mm kapa 2.9cm	1
	(b)	20 mm kapa 2 cm	1
1	(a)	20	1
	(b)	Labhlano	1



	(c)	55	1
	(d)	$55 - 40 = 15$	1
<b>2</b>	(a)	4	1
	(b)	Suzie	1
	(c)	Lebo	1
	(d)	$9 + 4 = 13$	1