basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

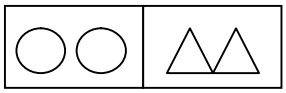
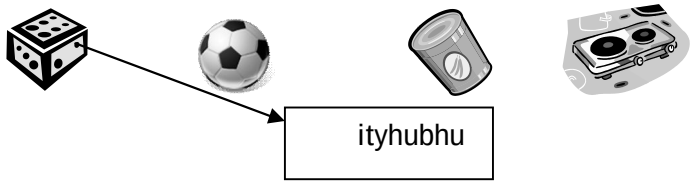
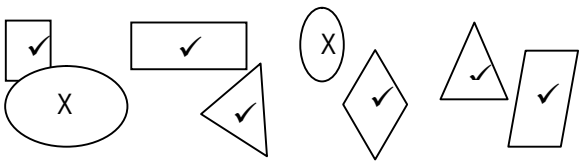
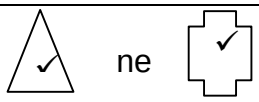
IIMVAVANYO ZONYAKA NONYAKA
KUZWELONKE 2013
IBANGA 2 IMATHEMATIKA
UVAVANYO OLUNGUMZEKELO
IMEMORANDAM

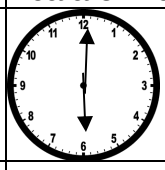
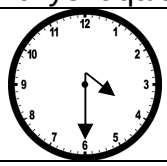
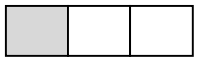
Le memorandam inamaphepha asi-7

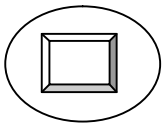
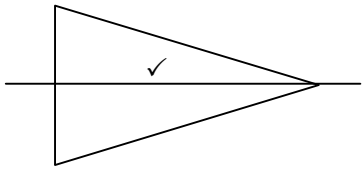
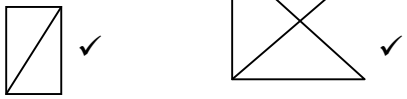
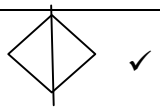
Amanqakwana okukorekitsha gabalala:

1. **Nika amanqaku apheleleyo kwimpendulo kuphela, ngaphandle kokuba unikwe omnye umyalelo.**
2. **Yamkela nezinye iimpendulo ezingabhalwanga kwimemorandam, ngaphandle kokuba unikwe omnye umyalelo.**

INQAKU ELISISIQINGATHA MALINGANIKEZWA

Umbuzo	**Impendulo elindelekileyo**	**Amanqaku**	**Ewonke**
1.1	✓	1	3
1.2	 ✓	1	
1.3	D ✓	1	
2.1	✓ 	1	4
2.2		2	
2.3		1	
3.1	169✓	1	1

Umbuzo		Impendulo elindelekileyo	Amanqaku	Ewonke
3.2	3.2.1 3.2.2 3.2.3 3.2.4 3.2.5	49 ishumi elinesibhozo 55 amashumi asixhenxe anesine 63 amashumi amahlanu anesihlanu 74 amashumi amane anethoba 18 amashumi amathandathu anesithathu	1 1 1 1 1	5
3.3.1		101 ✓	1	3
3.3.2		100 ✓	1	
3.3.3		110 ✓	1	
4		Amashumi amane anesixhenxe ✓ (ungabohlwayeli upelo olugwenxa)	1	1
5.1		Icala emva kwentsimbi yokuqala /1:30✓	1	4
5.2		 ✓  ✓	2	
5.3		8 ✓	1	
6.1		C ✓ U-1 kota akamkelekanga. Umbuzo uthi makubiyelwe unobumba wempendulo✓	1	4
6.2		2 ✓ lisiqinganga / isiqingatha esinye ✓	1	
6.3		 ✓ ✓	2	
7.1		162, 152, 131, 129, 117✓	1	4
7.2.1		90,95, 105, 100, 110 ✓	1	
7.2.2		5, 15, 51, 105, 115 ✓	1	
7.3		B✓ Ungayamkeli le mpendulo ithi 80; 64; 40; 21; 12 Umbuzo uthi makubiyelwe unobumba wempendulo.	1	
8.1		A ✓ Ungamamkeli u-28.	1	6

Umbuzo	Impendulo elindelekileyo	Amanqaku	Ewonke
	Umbuzo uthi makubiyelwe unobumba wempendulo.		
8.2.1	2 + 2 ✓	1	
8.2.2	4 + 4 + 4 ✓	1	
8.2.3	10 + 10 = 46 ✓	1	
8.2.4	6 + 6 = 37 ✓	1	
8.3	9 ✓	1	
9.1	tshebeleza. | qengqeleka.✓	1	
9.2	 ✓	1	4
9.3	Into enokuqengqeleka | Into enokutshebeleza Yamkela nayiphi into enokugqengqeleka.✓ | Yamkela nayiphi into enotshebeleza. ✓	2	
10.1	 ✓	1	
10.2	 ✓ ✓	2	4
10.3	 ✓	1	
11.1.1	57; 54; 51 ✓	1	
11.1.2	153; 157; 161 ✓	1	
11.2.1	164; 166; 172✓	1	4
11.2.2	158; 161; 167 ✓	1	
12.1	80 okanye amashumi asibhozo	1	3

<table>
<tr><th>Umbuzo</th><th>Impendulo elindelekileyo</th><th>Amanqaku</th><th>Ewonke</th></tr>
<tr><td>12.2.1</td><td>70 okanye amashumi asixhenxe ✓</td><td>1</td><td rowspan="2"></td></tr>
<tr><td>12.2.2</td><td>3 okanye isithathu ✓</td><td>1</td></tr>
<tr><td>13.1.1</td><td>58 ✓</td><td>1</td><td rowspan="7">12</td></tr>
<tr><td>13.1.2</td><td>14 nesiqingatha. ✓</td><td>1</td></tr>
<tr><td>13.2.1</td><td>12✓; 8✓; 6 ✓</td><td>3</td></tr>
<tr><td>13.2.2</td><td>36✓; 20✓; 28 ✓</td><td>3</td></tr>
<tr><td>13.3.1</td><td>12 ✓ = 6 + 6 ✓ (yamkela nawaphi amanani aza kutyaniswa akhuphe i-12)</td><td>2</td></tr>
<tr><td>13.3.2</td><td>16 ✓ = 8 + 8 ✓ (yamkela nawaphi amanani aza kudityaniswa akhuphe i-16)</td><td>2</td></tr>
<tr><td>14.1</td><td>mncinane kune ✓</td><td>1</td><td rowspan="5">6</td></tr>
<tr><td>14.2.1</td><td>> ✓</td><td>1</td></tr>
<tr><td>14.2.2</td><td>= ✓</td><td>1</td></tr>
<tr><td>14.2.3</td><td>< ✓</td><td>1</td></tr>
<tr><td>14.3.1</td><td>< ✓</td><td>1</td></tr>
<tr><td>14.3.2</td><td>< ✓</td><td>1</td></tr>
<tr><td>15.1.1</td><td>15✓</td><td>1</td><td rowspan="5">7</td></tr>
<tr><td>15.1.2</td><td>21 ✓</td><td>1</td></tr>
<tr><td>15.2</td><td><table><tr><td>iimoto</td><td>1</td><td>3</td><td>5</td><td>6✓</td><td>9</td></tr><tr><td>amavili</td><td>4</td><td>12✓</td><td>20</td><td>24</td><td>36✓</td></tr></table></td><td>1
1
1</td></tr>
<tr><td>15.3.1</td><td>10 ✓</td><td>1</td></tr>
<tr><td>15.3.2</td><td>40 ✓</td><td>1</td></tr>
<tr><td>16.1</td><td>+ ✓</td><td>1</td><td rowspan="2">2</td></tr>
<tr><td>16.2</td><td>_ ✓</td><td>1</td></tr>
<tr><td>17.1</td><td></td><td></td><td></td></tr>
</table>

Umbuzo	Impendulo elindelekileyo	Amanqaku	Ewonke
	✓ **5kg**	1	5
17.2	<table><tr><td>Into ethengiswayo</td><td>Ubunzima</td></tr><tr><td>ityiwa</td><td>1 kg ✓</td></tr><tr><td>Irhayisi</td><td>2 kg ✓</td></tr><tr><td>Iswekile</td><td>5 kg ✓</td></tr></table>	1 1 1	
17.3	Sinzima kune ✓	1	
18.1	36 - 4 → 32 - 4 → 28 - 4 → 24 - 4 → 20 - 4 → 16 - 4 → 12 - 4 → 8 - 4 → 4 - 4 0 9 iipakethi ✓ ezingazaliswa kungasali ma-apile. ✓	 1 1	4
18.2	✓ 38 - 4 → 34 – 4 → 30 – 4 → 26 – 4 → 22 – 4 → 18 - 4 14 – 4 10 – 4 6 – 4 2 → 9 iipakethi kuze kusale 2 /✓ 9 iipakethi ezizeleyo abe- 2 ama-apile aseleyo Li-1 linqaku lendlela yokubala nenqaku eli-1 lempendulo.	1 1	
19.1	12✓	1	2
19.1	12✓	1	
20.1	Itshintshi = R20 - (R12 +R4) **okanye** R20 - R12 - R4 = R20 - R16 ✓ = R8 - R4 = R4 ✓ = R4	1 1	
20.2	✓ R20 ÷ R4 = 5 ✓ okanye R20 – R4= R16 – R4= R12 – R4= R8 – R4= R4-✓ R4 = 0 5 ii-ayiskhrim✓	1 1	6

Umbuzo	Impendulo elindelekileyo	Amanqaku	Ewonke
20.3	R12 + R12 = R24 ✓ R24 – R20 = R4 Kufanele ongeze iR4 ✓	1 1	
21.1	5 ✓	1	
21.2	zihlanu ✓	1	4
21.3	4✓ no 1 ✓	2	
22.1	✓ ✓ 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 36 okanye ✓ ✓ 9 x 4 = 36 Li-1 inqaku lendlela yokubala nenqaku eli-1 lempendulo echanekileyo	1 1	4
22.2	✓ ✓ 9 x 4 = 36 okanye 9 + 9 + 9 + 9 = 36 Li-1 inqaku lendlela yokubala nenqaku eli-1 lempendulo echanekileyo	1 1	
23.1.1	NguPeter✓	1	10
23.1.2	13✓	1	
23.2.1	6✓	1	
23.2.2	4✓	1	
23.2.3	5✓	1	
23.2.4	3✓	1	
23.2.5		4	

Umbuzo	Impendulo elindelekileyo					Amanqaku	Ewonke
	Inani lamakhwenkwe	✓					
		☺		✓			
		☺	✓	☺			
		☺	☺	☺	✓		
		☺	☺	☺	☺		
		☺	☺	☺	☺		
		☺	☺	☺	☺		
		Imidlalo	Idrama	Inkolo	Iinda ba		
		Inkqubo yeTV					