



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

IIMVAVANYO ZONYAKA NONYAKA KUZWELONKE

IBANGA LESI 3

IMATHEMATIKA-ISIXHOSA

ULUHLU 2: 2012 IPHEPHA ELINGUMZEKELO



IIMVAVANYO ZONYAKA NONYAKA KUZWELONKE 2012

IBANGA 3 ULUHLU 2

IMEMORANDAM

I M I B U Z O	IIMPENDULO EZILINDELEKILEYO														AM AN- QA KU
1	a	497	496	495	494	493	492	491	490	489	488	487	486	485	1
	b	210	220	230	240	250	260	270	280	290	300	310	320	330	1
	c	385	380	375	370	365	360	355	350	345	340	335	330	325	1
	d	398	400	402	404	406	408	410	412	414	416	418	420	422	1
	e	399	396	393	390	387	384	381	378	375	372	369	366	363	1
	f	144	148	152	156	160	164	168	172	176	180	184	188	192	1
2	a	900 , 800 , 700 , 600 , 500 , 400 , 300 , 200.													1
	b	150 , 200 , 250 , 300 , 350 , 400 , 450 , 500													1
3	Uya phambili ngamashumi: 110 , 120, 130 , 140 , 150 , 160 , 170, 180, 190, 200														1
	Uya emva ngoozintlanu: 190, 185, 180 , 175 , 170 , 165 , 160														1
	Uya phambili ngoozintathu: 153 , 156 , 159 , 162 , 165 , 168														1
	Uya emva ngoozimbini: 110, 108, 106, 104, 102, 100, 98														1
4	U 268 linani lokugqibela kumgca manani														1
5	150 , 250 , 350, 450 , 550 , 650 , 750, 850														1
	Umthetho osetyenzisiweyo: Kubalwa ngama 100														
6	B														1
7	250	Ikhulu elineshumi elinesixhenxe													5
	117	Ikhulu elinamashumi amathathu anethoba													
	8	Amakhulu amabini anamashumi amane													
	246	Amakhulu amabini anamashumi amahlanu													
	139	Zisibhozo													

8	a	762	1
	b	984	1
	c	609	1
9	a	Amakhulu amabini anamashumi amathathu anesihlanu .	1
	b	Likhulu	1
	c	Ikhulu elinamashumi asibhozo anesithathu	1
10	a	Ikhulu elinamashumi amathathu anethoba 139	1
	b	Ikhulu elinamashumi alithoba 190	1

11	a	Amakhulu amabini anamashumi amane anesine 244	1
	b	Ikhulu elinamashumi amathathu anesibhozo 138	1
	c	Amashumi asibhozo anesibhozo 88	1
12	a	Ikhulu elinamashumi amahlanu 150	1
	b	Amakhulu amabini anamashumi asixhenxe anesine 274	1
	c	Amashumi amahlanu anesihlanu 55	1
13	a	asiyonyani	1
	b	yinyani	1
	c	yinyani	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

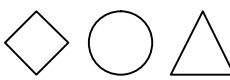
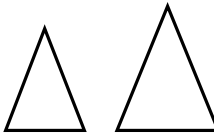
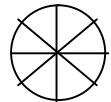
16	a	221 , 212 , 211 , 122 , 112	1
	b	330 , 320 , 302 , 230 , 220	1
	c	462 , 426 , 424 , 266 , 246	1
17		B	1
18	a	3	1
	b	200	1
	c	0	1
	d	20	1
19	a	236	1
	b	9	1
	c	Amakhulu ama 2 amashumi ama 3 imivo emi 6	1
	d	9	1
	e	100	1
	f	10	1
20	a	304	1
	b	63	1
	c	222	1
	d	416	1
21		315	1
22		400 + 80 + 5	1
		200 + 200 + 40 + 40 + 3 + 2 okanye noluphi uhlobo lokucazulula	1
23	a	Amashumi angu 0 , amashumi ama 6 , okanye imivo engama 63	1

	b	Amakhulu ama 2 okanye amashumi angama 25, okanye imivo engama 258	1								
	c	Amakhulu ama 3 okanye imivo engama 306	1								
	d	Amakhulu ama 4 okanye amashumi angama44 okanye imivo engama 440	1								
24		<table border="1"> <tr> <td>$50 + 20 + 5$</td> <td>360</td> </tr> <tr> <td>$200 + 120 + 20 + 7$</td> <td>75</td> </tr> <tr> <td>$300 + 60 + 0$</td> <td>444</td> </tr> <tr> <td>$400 + 40 + 4$</td> <td>347</td> </tr> </table>	$50 + 20 + 5$	360	$200 + 120 + 20 + 7$	75	$300 + 60 + 0$	444	$400 + 40 + 4$	347	4
$50 + 20 + 5$	360										
$200 + 120 + 20 + 7$	75										
$300 + 60 + 0$	444										
$400 + 40 + 4$	347										

Ukubala ngamanani agcweleyo: Dibanisa, Thabatha, Phindaphinda no Yahlulahlula



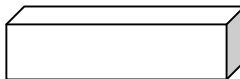



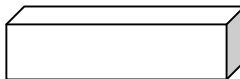



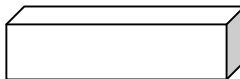

1	a	Inani eliphindiweyo	Inani	lhafu yenani	6
		62	31	15 ne hafu e 1	
		324	162	81	
		812	406	203	
	b	Inani	Inani elisondezwe kwi 10 elikufutshane		2
		152	150		
		75	80		
2	a	yinyani			4
	b	asiyonyani			
	c	asiyonyani			
	d	asiyonyani			
3	a	$200 + 10 + 9 + 100 + 30 + 7 = 356$			3
	b	$200 + 50 + 9 + 40 + 5 = 304$			
	c	$200 + 30 + 6 + 100 + 10 + 4 = 350$			
4	a	302			3

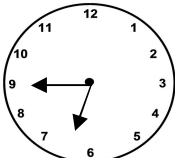
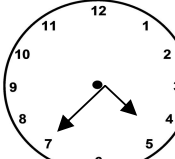
	b	328	
	c	221	
5	a	400	2
	b	290	
6	a	$175 - 50 - 9 = 125 - 9 = 116$	2
	b	$194 - 100 - 30 - 7 = 94 - 30 - 7 = 64 - 7 = 57$	
7	a	$300 + 70 + 7 - 100 - 30 - 4 = 200 + 40 + 3 = 243$	2
	b	$200 + 90 + 4 - 100 - 50 - 2 = 100 + 50 + 2 = 142$	2
8	a	$10 \times 5 + 3 \times 5 = 50 + 15 = 65$	2
	b	$10 \times 4 + 7 \times 4 = 40 + 28 = 68$	2
9	a	$12 + 12 + 12 + 12 + 12 + 12 = 72$	2
	b	$14 + 14 + 14 + 14 + 14 = 70$	
10	a	$54 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 = 0$ uthetha ukuba $54 \div 6 = 9$	2
	b	$72 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 = 0$ uthetha ukuba $72 \div 9 = 8$	
11	a	$40 \div 10 + 30 \div 10 = 4 + 3 = 7$	2
	b	$40 \div 8 + 8 \div 8 = 5 + 1 = 6$ Ukusombulula ingxaki (Izibalo zamagama)	
1	a	$499 - 163 = 336$	1
	b	$216 + 93 = 309$	1
2		Inani lamapetyu = $125 - 82 = 43$	1
3		Inani leelelese = $120 \times 2 = 240 - 96 = 144$	2
4		Inani lezitena = $86 + 123 + 219 = 428$	1
5		Inani lamavili = $6 \times 3 = 18$	1

6		Inani leminqathe $40 \div 5 = 8$	1							
7	a	Inani ngalinye = $41 \div 2 = 20$ nehafu	1							
	b	Inani lamaqanda = $49 \div 4 = 12$ kushiyeke u 1	1							
	c	Inani ngalinye = $22 \div 3 = 7$ nesinye kwisithathu/1 ishiyekile Ukubala okubandakanya imali	2							
1		Imali echithiweyo = $20 \times 25c + 14 \times R2,50 + 20 \times R1,50 + 12 \times R5$ $= R1 + R35 + R30 + R60$ $= R120$	5							
2	a	Amaxabiso = $R10 + R3,50 + R3,50 = R17,00$	2							
	b	Itshintshi = $R5,00 + R5,00 + R5,00 = R15,00$ $R20,00 - R15,00 = R5,00$ Or $R20 - R5 \times 3 = R20 - R15$	1							
3		Inani lentsimbi yomqala	1	2	3	4	5	10	20	5
		Ixabiso ngeerandi	4	8	12	16	20	40	80	
IIPAHATENI NEMISEBENZI										
1			1							
2			1							
3		Inqaku eli 1 ngolandelelwano oluchanekileyo	1							
4			1							
5	a	360, 363, 369, 372, 375 , Ubala usiya phambili ngoo 3	2							
	b	440, 444, 448, 452, 456 , Ubala usiya phambili ngoo 4								
6		B	1							
7		lentsimbi zomqala	1	2	3	14	50	2		

	Amaso	10	20	30	140	500		
--	-------	----	----	----	------------	-----	--	--

ISITHUBA NESIMO

1	A		1								
2	Isikwere		1								
3	6		1								
4	<table border="1" style="width: 100%; height: 100%;"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Ingcokumba</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Iprizim ebuxande</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Ityhubhu</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">Isilinda</td> </tr> </table>		Ingcokumba		Iprizim ebuxande		Ityhubhu		Isilinda		4
	Ingcokumba										
	Iprizim ebuxande										
	Ityhubhu										
	Isilinda										
5	2, 1 no 4		3								
UMLINGANISELO											

1	A	Imizuzu eli 18 emva kwentsimbi yesi 8 Okanye 8:18 okanye 20:18	1
	B	Imizuzu esi 8 emva kwentsimbi ye 10 OKANYE 10:08 okanye 22:08	1
	C	Imizuzu eli 10 phambi kwentsimbi yesi 2 OKANYE 1:50 OKANYE 13:50	1
2	a		1
	b		1
3		2:35 okanye 14:35	1
4		Imizuzu engama 45	1
5		$22 - 8 =$ iintsuku ezili 14	1
6	a	27 mm okanye 2cm no 7mm	1
	b	18 mm okanye 1 cm no 8 mm UKUSEBENZA NGOLWAZI	1
1	a	20	1
	b	Lwesihlanu	1
	c	55	1
	d	$55 - 40 = 15$	1
2	a	4	1
	b	Suzie	1
	c	Lebo	1
	d	$9 + 4 = 13$	1