basic education
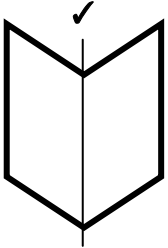
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**UKUHLOLA KUKAZWELONKE KONYAKA NONYAKA 2015
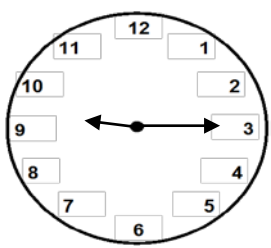IBANGA 3 IMATHEMATHEKISI: ISIZULU
IMEMORANDAMU**

AMAMAKI: 40

Le memorandamu inamakhasi ama-4.

1. **Nikeza amamaki aphelele ngempendulo kuphela ngaphandle uma uyalelwe ngenye indlela.**

2. **Yamukela noma iyiphi enye indlela efanele noma ingekho kule memorandamu ngaphandle uma uyalelwe ngenye indlela.**

UNGANIKEZI AMAMAKI ANGOHHAFU.

UMBUZO	IZIMPENDULO EZILINDELEKILE		AMAMAKI
1.	467, 476, 647, 674 ✓	Nika imaki eli-1 ngokulandelanisa okuyikho **kuphela,** futhi zonke izinombolo zibe khona.	1
2.	532; 432; 332 ✓		1
3.	C ✓	Yamukela impendulo efanele noma ngabe inikwe ngayiphi enye indlela.	1
4.	B ✓		1
5.	B ✓		1
6.	D ✓		1
7.		• Yamukela **noma yikuphi** ukukhonjiswa kwezimo okufanele.	1
8.	575; 550; 525 ✓	• Nika imaki eli-1 ngokulandelanisa okuyikho **kuphela,** futhi zonke izinombolo zibe khona kanye nezimo ezikhonjisiwe.	1
9.	Ikhoni / ifaneli ✓	• Yamukela impendulo efanele noma ngabe kusetshenziswe **luphi** ulimi olusemthethweni.	1
10.	Unxantathu ✓	• Ungawanaki amaphutha esipelingi.	1
11.		Umugqa wamachashazi (dotted line) noma ogqamile (solid line) wamukelekile, uma nje ukhombisa isimethri.	1
12.	398 ✓		1
13.	Amakhulu amabili namashumi ayisikhombisa nanhlanu. ✓	• Yamukela impendulo efanele noma ngabe kusetshenziswe **luphi** ulimi olusemthethweni. • Ungawanaki amaphutha esipelingi.	1
14.	40/ amashumi amane/ amashumi a-4 **noma** 4 amashumi ✓		1

UMBUZO	IZIMPENDULO EZILINDELEKILE		AMAMAKI
15.	60 ✓		1
16.	b ✓	Yamukela impendulo	1
17.	b ✓	efanele **noma** inikwe ngenye indlela.	1
18.1	3/ezintathu ✓		1
18.2	1 kokuthathu /okukodwa kokuthathu/ $\frac{1}{3}$ ✓ **noma** 3 kokuyisishiyagalolunye /okuthathu kokuyisishiyagalolunye/ $\frac{3}{9}$ ✓		1

19.	= 19 + 19 + 19 ✓
	= 10 + 10 + 10 + 9 + 9 + 9
	= 30 + 27
	= 57 ✓
	         noma
	
	= 3 × 19 ✓
	= 3 × (10 + 9)
	= 3 × 10 + 3 × 9
	= 30 + 27
	= 57 ✓
	
	         noma
	= 57 ✓ ✓
		• Nika imaki eli-1 lendlela efanele nemaki eli-1 lempendulo efanele.
		
		• Nikeza amamaki a-2 ngempendulo efanele kuphela.
			2

20.	28 ✓		1
21.	= 75 ÷ 5 = (40 + 35) ÷ 5 ✓ = (40 ÷ 5) + (35 ÷ 5) = 8 + 7 =15 ✓ **noma** = 15 ✓ ✓	• Nika imaki eli-1 lanoma **iyiphi** indlela efanele nemaki eli-1 lempendulo efanele. • Nikeza amamaki a-2 empendulo efanele kuphela.	2
22.1	3/lesithathu ✓		1
22.2	8/ayisishiyagalombili ✓		1
23.	✓ 158 + 31→ 158 + 30 + 1 →188 +1 → 189 ✓ noma 189 ✓ ✓	• Nika imaki eli-1 **lanoma iyiphi** indlela efanele nemaki eli-1 lempendulo efanele. • Nikeza amamaki a-2 empendulo efanele kuphela.	2

UMBUZO	IZIMPENDULO EZILINDELEKILE	AMAMAKI
24.	786 - 421 = 700 + 80 + 6 - 400 - 20-1 = 700 - 400 + 80 - 20 + 6 - 1 ✓ = 300 + 60 + 5 = 365 ✓ **noma** 6 - 1 = 5 no 80 - 20 = 60 ✓ no 700 - 400 = 300 kusho ukuthi 786 – 421 = 365 ✓ Nika imaki eli-1 **lanoma iyiphi** indlela 'yokuhlakaza' efanele nemaki eli-1 lempendulo efanele.	2
25.1	35 ✓	1
25.2	15 ✓	1
26.	✓ R15,00 + R10,00 + R5,00 = R30,00 ✓ **noma** R30 ✓✓ • Nika imaki eli-1 lanoma **iyiphi** indlela efanele nemaki eli-1 lempendulo efanele. • Nikeza amamaki a-2 empendulo efanele kuphela.	2
27.1	500 ✓	1
27.2	10,00 **noma** 10 ✓	1
28.	35 ÷ 5 = (30 + 5) ÷ 5 = (30 ÷ 5) + (5 ÷ 5) = 6 + 1 ✓ = 7 ✓ **noma** 7 ✓✓ • Nika imaki eli-1 lanoma **iyiphi** indlela efanele nemaki eli-1 lempendulo efanele. • Nikeza amamaki a-2 empendulo efanele kuphela.	2
29.	✓ Uthi olude **kumele** lukhombe isi-3 bese kuthi olufishane lwamahora lukhombe ngaphezudlwana kwesi-9.	1

UMBUZO	IZIMPENDULO EZILINDELEKILE	AMAMAKI
30.	50 + 50 + 50 =150 **noma** 50 + 50 + 50 ✓ **noma** 3 × 50 =150 **noma** 3 × 50 ✓	1
	Isamba: 40	