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IMVAVANYO ZONYAKA NONYAKA KUZWELONKE 2013
IBANGA 3 IMATHEMATIKA-ISIXHOSA
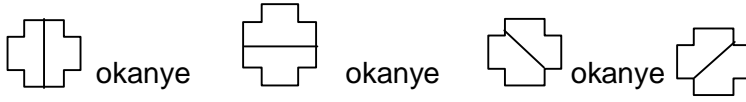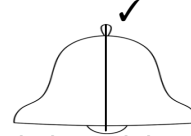**IMEMORANDAM**

AMANQAKU: 40

Le memorandam inamaphepha ama-4.

Amanqakwana okumakisha ngokubanzi:

1. **Nika amanqaku apheleleyo ngempendulo kuphela, ngaphandle kokuba kuxeliwe.**
2. **Yamkela nayiphi imethodi echanekileyo yotshintsho engekho kwimemorandam, ngaphandle kotshintsho oluthe ngqo.**

UMBUZO	IIMPENDULO EZILINDELEKILEYO		AMANQAKU	EWONKE
1.	D/127, 172,217,712. ✓		1	6
2.	B/400+80+9. ✓		1	
3.	C/78.✓		1	
4.	C/640.✓		1	
5.	D / mkhono phambi kwentsimbi yeshumi kusasa✓.		1	
6.	B/1 isiqingatha, 1 thedi, 1 ikota, 1 isihlanu. ✓		1	
7.1	Isilinda✓	Ungathathi nqaku ngopelo olugwenxa. Yamkela noluphina ulwimi olusemthethweni.	1	2
7.2	Isikwere ✓		1	
8.	☆ ◇ ⊕✓ Yamkela nokuba umfundi ubhale iipateni ezimbini nangaphezulu Unganiki nqaku ngolandelelwano olugwenxa.		1	1

9.1	795 - 213 $= 700 + 90 + 5 - 200 - 10 - 3$ $= 700 - 200 + 90 - 10 + 5 - 3$ ✓ $= 500 + 80 + 2$ $= 582$ ✓ okanye $5 - 3 = 2$ $90 - 10 = 80$ ✓ $\underline{700 - 200 = 500}$ $795 - 213 = 582$ ✓ okanye ✓ ✓ $795 - 200 \rightarrow 595 - 10 \rightarrow 585 - 3 \rightarrow 582$	2	
9.2	✓ $584 + 100 \rightarrow 684 + 30 \rightarrow 714 + 7 \rightarrow 721$ ✓ okanye $4 + 7 = 11$ $80 + 30 = 110$ $\underline{500 + 100 = 600}$ ✓ $584 + 137 = 721$ ✓ okanye 584 + 137 $= 500 + 100 + 80 + 30 + 4 + 7$ ✓ $= 600 + 110 + 11$ $= 721$ ✓	1inqaku ngokuse-benzisa indlela yokuca-zulula. 1 inqaku ngempe-ndulo echane-kileyo. Nayiphina indlela ayisebenzisil eyo yokubala yamkelekile. 2	4
10.1	684; 784; 884; 984 ✓ Yamkela ulandelelwano oluchanekileyo kuphela.	1	2
10.2	300 ; 280 ; 260 ✓	1	
11.	Amakhulu amane namashumi amathandathu anesibhozo.✓ Ungathathi nqaku ngopelo olugwenxa. Yamkela noluphina ulwimi olusemthethweni.	1	1
12.	360 ✓	1	1
13.	700/amakhulu asixhenxe ✓ Ungathathi nqaku ngopelo olugwenxa. Yamkela noluphina ulwimi olusemthethweni.	1	1

14.	6/zintandathu ✓	1	1
15.	325 ✓	1	1
16.	okanye okanye okanye Umgca/umgca wamachaphaza wamkelekile xa uzotywe walingana njengoko ibonisa isimetri.	1	1
17.	4 ✓	1	1
18.1	gremz✓	1	2
18.2	litha ✓	1	

19.	Itotali= 37 + 37 + 37 ✓
	          = 30+30+30+7+7+7
	          = 90 + 21
	          = 111 ✓ okanye
	
	Itotali = 3 x 37✓
	        = 3 x (30 + 7)
	        = 90 + 21
	        = 111✓
	
	1 inqaku ngendlela yokubala efanelekileyo, 1 inqaku ngempendulo echanekileyo/ nika amanqaku apheleleyo ngempendulo echanekileyo.
		2	2

20.	Inani labantwana = 36 ÷ 5 ✓
	            = (30 + 5 + 1) ÷ 5
	            = 6 + 1 + intsalela ngu- 1
	            = abantwana basi-7✓ nentsalela engu-1 ✓
	              tshokolethi
	1 inqaku ngendlela yokubala, 1 inqaku ngempendulo echanekileyo. Nayiphi na indlela echane kileyo yokubala yamkelekile.
		2	2

21.	✓ Yamkela impedulo ephawulwe ngongxabalaza okanye ngesangqa okanye ekrwelelwe umgca ngaphantsi.	1	1

22.1		1	2
		Yamkela naliphi inani elifanekileyo leebhloko ukuya ngendlela eboniswe ngumfundi.	
22.2	Iibhloko ezili-13 . ✓ 1 inqaku ngendlela echanekileyo,1 inqaku ngenani leebhloko Yamkela nezinye iindlela enokuhamba ngazo injana.		
23.1	NguKhanye noPulane✓ Inqaku elinye ngawo omabini amagama.	1	2
23.2	Lebo ✓	1	
24.1	Idle = 2 x R10,00 ✓ = R20,00 okanye R20✓ 1 inqaku ngendlela yokubala, 1 inqaku ngempendulo echanekileyo.	1 1	4
24.2	Itshintshi = R10,00 – R6,00✓ = R4,00 okanye R4✓ 1 inqaku ngendlela yokubala, 1 inqaku ngempendulo echanekleyo.	1 1	
25.	 Yamkela impendulo enemitsi emide okanye emifutshane.	1	1
26.	3:45 okanye umkhono phambi kwentsimbi yesi-4. okanye imizuzu elishumi elinesihlanu phambi kwentsimbi yesine. (Abafundi mabangohlwaywa ngopelo olugwenxa)	1	1
27.	Yama-21 yama- 22 yama- 23 yama- 24 okanye 21 22 23 24 ✓ 1 inqaku ngolandelelwano oluchanekileyo.	1	1

AMANQAKU EWONKE: 40