basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

IIMVAVANYO ZONYAKA NONYAKA KUZWELONKE

IBANGA 1

IMATHEMATIKA- ISIXHOSA

ULUHLU I- IPHEPHA ELINGUMZEKELO 2012

<u>Isikhokelo sokusebenzisa imizekelo ka-ANA</u>

1. **Umbono jikelele**

Uvavanyo lonyaka nonyaka (ANA) luvavanyo oludibeneyo lolwazi nezakhono ezifanele ukuphuhliswa, kubafundi bebanga lo-I ukuya kwele-6 kunye nele-9. Ukuncedisana novavanyo oluqhutywa esikolweni nokuqinisekisa ukuba abafundi bazithemba ngokwaneleyo ukuze bathathe inxaxheba ngempumelelo kwiimviwo zangaphandle,uluhlu lootitshala kunye neencutshe kwizifundo <u>bavelise</u> iimvavanyo eziyimizekelo ezinokusetyenziswa ngootitshala <u>kwizifundo</u> zoLwimi Lwasekhaya neMathematika. Unikwe imibuzo yemizekelo yemvavanyo ethatyathwe kumsebenzi wesilkolo wonyaka wekharityhulam ukusuka kwikota yokuqala,eyesibini neyesithathu,kunye nesiboniso esipheleleyo sovavanyo (ANA) sebanga ngalinye. Imizekelo yovavanyo equka nesiboniso esipheleleyo soviwo zongeza kuvavanyo oluqhubekayo esikolweni olwenziwa qho kubafundi nekufuneka lungayekwa.

2. **Unxulumano namanye amacebiso okufunda nokufundisa**

Ngenxa yokubaluleka kokudibanisa eyindlela yokufundisa,eminye imibuzo ekwimizekelo yeemvavanyo inxulunyaniswe neeNcwadi Zomsebenzi ngokwamabanga. Imizekelo yeemvavanyo ilinganiswe neemfuno zekharityhulam,kusetyenziswe amaxwebhu ekharithyulam i-National Curriculum Statement Grades R-12 (NCS) ne-Curriculum and Assessment Policy Statements (CAPS) kumabanga ngamabanga,kusetyenziswe nendlela yokuhlola esemthethweni (National Protocol for Assessment). La maxwebhu ewonke kunye nalawo isikolo siwanika utitshala ukuze enze amacebiso angawo okunceda utitshala xa elungiselela izifundo kwakunye naxa esenza uvavanyo olusesikweni.

3. **Unxulumaniso nezinye izixhobo zokufunda nokufundisa**

Ukuze kubekho unxulumano olufanelekileyo, eminye imizekelo yezicatshulwa nemibuzo idityaniswe kwiincwadi zokusebenzela zamabanga ngamabanga ezingqale kumgangatho wabafundi. Le mizekelo ilungelelanisiwe ukuze iqwalasele iimfuneko zeNkcazelo yeKharityhulam yeSizwe yamananga R ukuya ku 12 (NCS), iinjongo zekharityhulam, iNkcazelo yePolisi yeKharityhulam enxulumene namabanga abafundi kunye nendlela yokuhlola esemthethweni. Yonke le miqulu kwakunye neminye imiqulu enokufumaneka esikolweni izizixhobo ezingundoqo ezinokusetyenziswa ukuncedisa ootitshala njengoko bequlunqa izifundo belawula nohlolo olungundoqo (uhlolo olukhulisayo).

4. **Isetyenziswa njani imizekelo yovavanyo**

Nangona imizekelo yovavanyo yebanga ngalinye nesifundo ngasinye yenziwe yaza yadityaniswa, utitshala akanyanzelekanga ukuba abafundi abaphendulise ngexesha elinye. Utitshala makakhethe umzekelo onombuzo onxulumene nesifundo asilungiseleleyo. Imibuzo ekhethwe kumzekelo vavanyo okanye iqela lemibuzo enokuphenduleka ngexesha elinye ingasetyenziswa ngokuye kukhula ukufunda nokufundisa ngolu hlobo:

4.1 Ekuqaleni kwesifundo, njengovavanyo lokuqonda nokwahlula izinto abafundi abakwazi ukuzenza/abazaziyo nezo bangakwazi ukuzenza/bangazaziyo. Ukuqonda lo mahluko kukhokhelela ekubeni abafundi bacoselelwe ukufundiswa nokuze kwakhiwe izifundo ezilungele ukulungisa ezo ngxaki banazo baze baphucule. Olu vavanyo lokuqonda lungenziwa umsebenzi wasekhaya ukonga ixesha.

4.2 Kwisifundo phakathi, uvavanyo olucwangcisiweyo lusetyenziswa ukuvavanya ukuba ulwazi nezakhono zabafundi ziyaphuhla na.Njengoko isifundo siqhuba lukwasetyenziswa ukuvavanya nokuqinisekisa ukuba akukho mfundi ushiyekayo kwisifundo.

4.3 Ukugqibezela isifundo okanye iqela lezifundo uvavanyo oludityanisiweyo luyenziwa ukuvavanya ukuba abafundi bayaqonda kwaye bayakwazi ukusebenzisa ulwazi nezakhono abazifumene kwizifundo.Inkcaza yokuba abafundi baqhube njani mabayinikwe ngoko nangoko, ngelo xesha utitshala wenza isigqibo ngeendawo ezifuna ukuphindwa kwisifundo okanye kwizifundo ukuncedisa ulwazi okanye izakhono ezingaphuhlanga.

4.4 Kuwo onke la manqanaba makusetyenziswe iindlela ngeendlela zokubuza, umz.indlela yokuphendula ngokukhetha kwiimpendulo azinikiweyo, imibuzo efuna impendulo yakhe, imibuzo efuna impendulo emfutshane, njalo-njalo.

Nangona uvavanyo lokufumana ukuqonda novavanyo lokwakha ulwazi lusenokuba lufutshane ngokwemibuzo, uvavanyo oludityanisiweyo lunokuquka imibuzo emininzi kuxhomekeka kumsebenzi osele wenziwe. Okubalulekileyo kukuqinisekisa ukuba abafundi baqhelaniswa nendlela yokuphendula uvavanyo olupheleleyo olufana novavanyo lukazwelonke lonyaka nonyaka (ANA).

5. **Imemorandam okanye iindlela zokuphendula**

Umzekelo wendlela yokuphendula okanye iimpendulo ezilindelekileyo zilungiselelwe kumzekelo wovavanyo.Ootitshala mabakhumbule ukubaimemorandam ayiniki mpendulo igqibeleleyo, Imemorandam inika nje kuphela iimpendulo ezilindelekileyo, ngoko utitshala angamnika umfundi amanqaku ngeempendulo ezahlukeneyo, ezivumelekileyo ezinikwe ngabafundi.

6. **Ukugutyungelwa kwekharityhulam**

Kunyanzelekile ukuba ikharityhulam igutyungelwe yonke kwibanga ngalinye. Imizekelo yovavanyo yebanga ngalinye ayimeli ikharityhulam, ikhupha nje iisampula zovavanyo lolwazi nezakhono ezibalulekileyo kwaye zezomsebenzi wekota yokuqala ukuya kweyesithathu yonyaka Isantya sokusebenza somsebenzi ekufuneka wenziwe sinikezelwe kumaxwebhu ekharityhulam (CAPS DOCUMENTS).

7. **Ukuphetha**

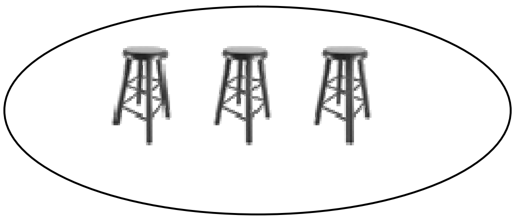
Injongo yeSebe leMfundo kukuphucula nokwakha ezona zisekelo zibalulekileyo,ukufunda nokubala kwabafundi.Uvavanyo lonyaka nonyaka sesinye sezixhobo iSebe leMfundo eisebenzisa ukuqaphela ukuba umgangatho wabafundi uyonyuka,uhleli ndawonye okanye uyehla. Izithili nezilkolo kulindeleke ukuba zincedise ootitshala kwaye zidlulise amacebo aluncedo ukuphucula ukufunda nokufundisa ezikolweni. Ngokusebenzisa imizekelo yokuvavanya njengelinye icebiso lokufundisa, ootitshala baza kunceda abafundi baqhelane neendlela nobuchule bokuvavanya.Ukusetyenziswa kwale mizekelo kuya kunceda abafundi bafumane ulwazi olufanelekileyo baze baphuhlise nezakhono ezinxulumene nokufunda ukuze baphucule kuvavanyo lukazwelonke olulandelayo.

AMANANI, UKUBALA NOLWALAMANO.

1. **Bala ama-apile ubhale inani lawo**.

____

2. Bala izitulo ubhale inaini ngamagama.

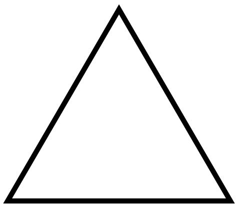


____

3. **Bhala inani lezihlangu ezisebhokisini. Ibhokisi yokuqala sele uyenzelwe.**

						2

4. Le milo inamacala amangaphi?



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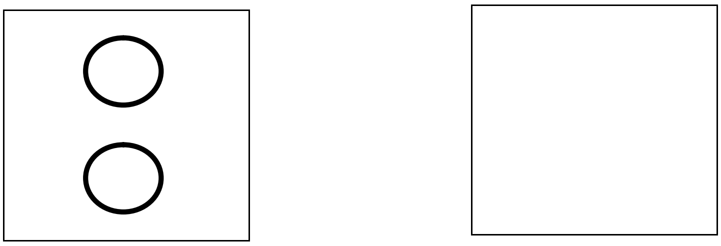
5. **Jonga inani lezangqa ezizotywe kwifreyimi uze uzobe ezikwangako nakwenye ifreyim.**



6. **Fakela amanani ashiyiweyo.**

a.

1			4	5

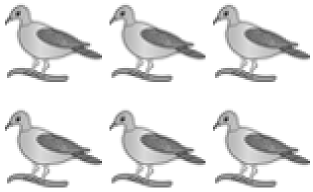
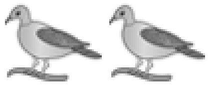
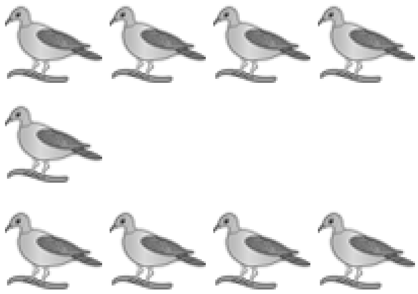
b. 1, 2,_______, _______, 5

c. 5, 4, _______, ________, 1

d.

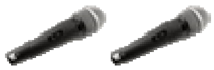
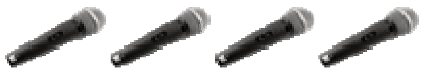
5		3		1

7. **Zoba umgca utshatise iintaka nenani lazo elifanelekileyo.**

		2
		9
		6
		4

8. **Jonga lo mfanekiso ulandelayo.**

Zoba isangqa ubonise inani elihambelana nezinto kwiqela ngalinye.

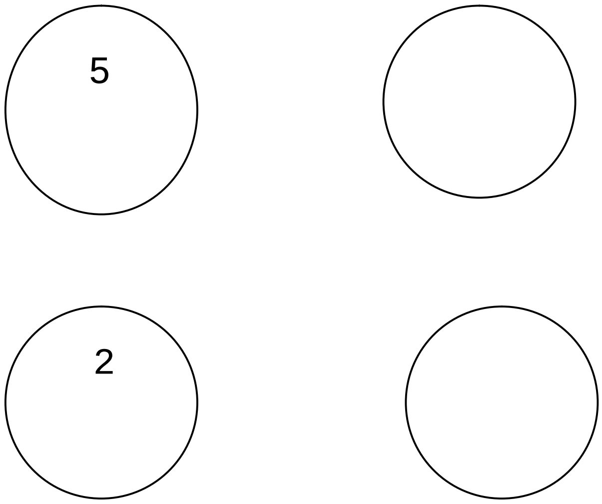
	1	2	3	4	5
	1	2	3	4	5
	1	2	3	4	5
	1	2	3	4	5
	1	2	3	4	5

9. Zoba imigca edibanisa amanani afanayo.

●8 ●7 ●5

●5 ●8 ●7

10. **Khuphela inani olinikiweyo kwisangqa ngasinye.**



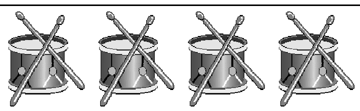
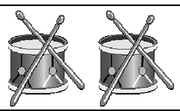
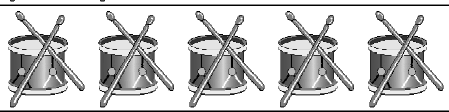
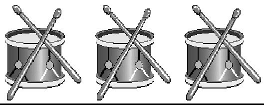
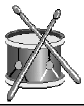
11. **Kwibhokisi nganye bhala inani elihambelana negama elinomgca ngaphantsi.**

Iinkwenkwezi <u>ezine</u> ☐

Iintyatyambo <u>ezimbini</u> ☐

Umvundla <u>omnye</u> ☐

12. **Gqibezela le theyibhile ingezantsi.**

Izinto	Inani	Igama lenani
	____________	ne
	2	____________
	_____________	ntlanu
	3	__________
	1	____________

13. **Bhala igama lenani ngalinye kula alandelayo**.

5	
1	
3	
4	
2	

14. **Tshatisa inani negama lalo.**

3		nye
2		bini
1		ne
4		thathu
5		hlanu

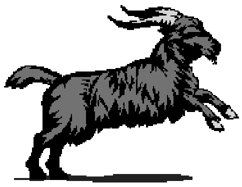
15. **Jonga iimpawu zomnqamlezo nechaphaza, uze ugqibezele isivakalisi usebenzisa la magama "zininzi" okanye "mancinane".**

X X X
● ●

Iimpawu zomnqamlezo _________ kunamachaphaza.
Amachaphaza ____________ kuneempawu zomnqamlezo.

16. **Jonga imifanekiso uze uphendule imibuzo.**

a.

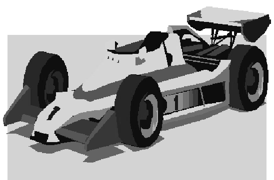


Ibhokhwe

inkukhu

I___________ inemilenze emininzi kune _____________.

b.

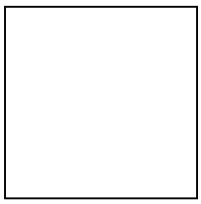


imoto

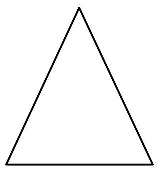
ibhayisekile

I ___________ inamavili ambalwa kune_____________

c.



isikwere



unxantathu

I_______________ sinamacala amaninzi kuno___________

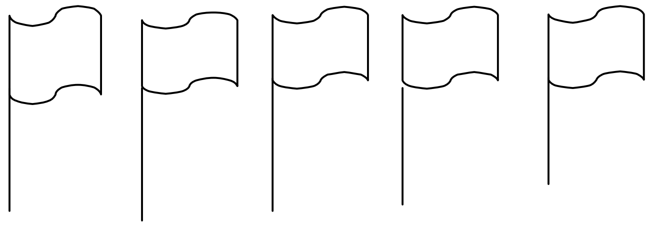
17. **Bhala la manani alandelayo ukusuka kwelona lincinane ukuya kwelona likhulu.**

5, 3, 2, 4, 1

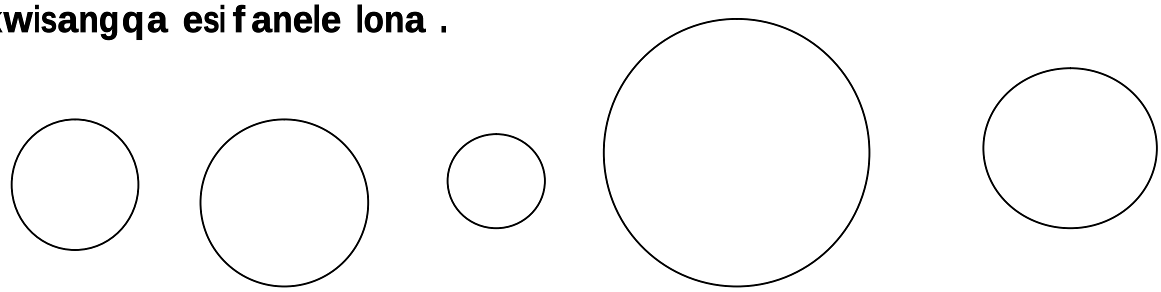
____

18. **Bhala la manani alandelayo kwezi flegi ukusuka kwelona nani likhulu ukuya kwelona lincinane.**

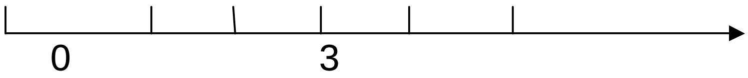
2, 1, 4, 5, 3



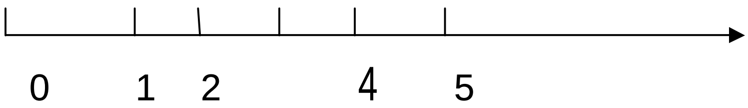
19. **Bhala la manani 3, 2, 1, 4, 5 uwabeke ngokulandelelana kwawo ukusuka kwelona lincinane ukuya kwelona likhulu. Beka inani kwisangqa esifanele lona .**



20. **Bhala amanani ukusuka ku1 ukuya ku- 5 endaweni efanelekileyo kumgca manani. Elinye inani sele ulenzelwe**.



21. **Fakela inani elishiyiweyo kumgca manani.**



USOMBULULO LWEENGXAKI

22 **UAthi uneebhanana ezi 3 aze uTheko abe neebhanana ezi 2.**

Zingaphi iibhanana abanazo zizonke?

____

23. **UNontombi ukhe iintyatyambo ezi-2 waza noSara wakha ezakhe ezi-2.**

Bobabini bakhe iintyatyambo ezi- __________________________

24. **UPhuti unebhisikithi e-1 aze uPhethi abe neebhisikithi ezi-2**.

uPhuti no Phethi baneebhisikithi ezi __________ zizonke.

25. **Ii-orenji ezi-2 nezi-3 zi ___________zidibene.**

26. **Kwiikherothi ezi-4 uze uthathe-1 kushiyeka zibe?**

27. **UThabo ubeneelekese ezi-3. UTumi uthathe za-2.**

UThabo uneelekese ezingaphi ngoku?

____

28. **Ama-apile ma-4 aze kwaze kwathathwa ame-2, ngoku ama-apile ma----**

29. **UChantel unamabhastile ama-5. Unike uMary amabhastile ama-3.**

UChantel ushiyeke namabhastile ama__________.

30. **Umfama ebeneenkomo ezi-4. Uthengise iinkomo ezi-2.**

Ushiyeke neenkomo ezi____________.

INKQUBO - UKUDIBANISA NOKU THABATHA.

31. **Jonga umfanekiso uze uphendule imibuzo (a – c).**

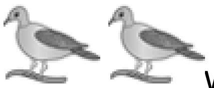
a.

1 no 1 wenza __________ ama-apile.

2 no 1 wenza __________ ama-apile.

2 no 3 wenza __________ ama-apile.

b.

2 no 2  wenza ___________iintaka.

3 no 1 wenza ______________ iintaka.

2 no 3 wenza ____________ iintaka.

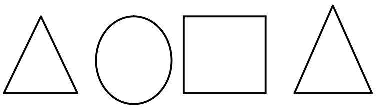
c.

4 izihlangu thabatha 2 kushiyeke _____________ izihlangu.

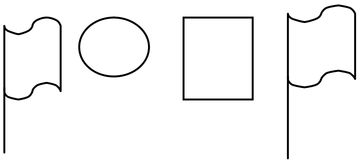
3 izihlangu thabatha1 kushiyeke _____________ izihlangu.

IIPHATHENI, IMISEBENZI NE- ALJIBRA

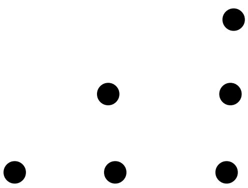
32. **Gqibezela le phatheni.**

 ______________ ________________

33. **Zoba ezinye izinto ezi-2 kule phatheni.**

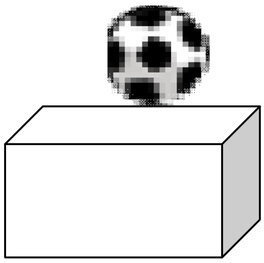
 ________________ ________________

34. **Zoba iiseti ezi -2 ezilandelayo zamachaphaza kule phatheni.**

 ______________________________

ISITHUBA NESIMO

35. **Jonga lo mfanekiso ungezantsi uze ubiyele unobumba onesivakalisi esichaza lo mfanekiso.**



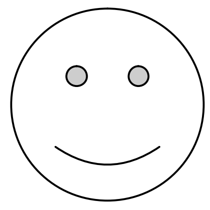
A. Ibhola **iphezu** kwebhokisi.

B. Ibhola **iphantsi** kwebhokisi.

36. **Krwela umgca kweli gama"ekunene "okanye ekhohlo "ukwenza** esi sivakalisi sibe yinyani.

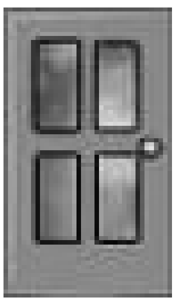
Umthi **ungasekunene/ungasekhohlo** kwekati.

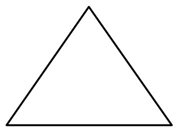
37. **Ingaba obu buso bukulo mfanekiso bumile "okwebhola okanye okwebhokisi"?**

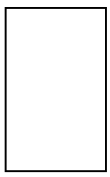


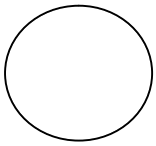
Bumile okwe_________________________

38. **Tshatisa umfanekiso nemilo echanelekileyo.**







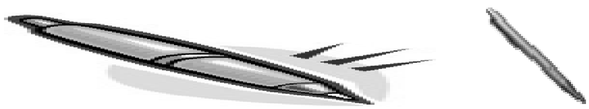


UMLINGANISELO.

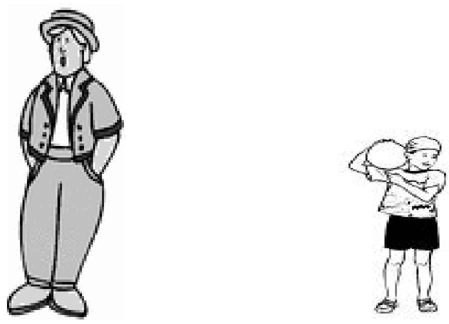
39. **Biyela igama elifanelekileyo elichaza umfanekiso**

Kusasa /ebusuku

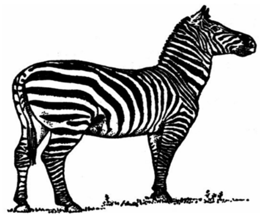
40. **Zoba u-X phezu kweyona nto inde.**



41. **Biyela eyona nto imfutshane.**



42. **Zoba isangqa kwesona silwanyana sinzima.**



43. **Bhala u-X phezu kweyona nto ikhaphukhaphu.**

44. **Krwela umgca phantsi kwesona silwanyana sinzima.**