



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**LUHLOLO LWAVELONKHE LWEMNYAKA NEMNYAKA 2015
TINKHOMBANDLELA TELUHLOLO
TIBALO: SISWATI
LIBANGA 2**

SINGENISO

Umjikeleto weLuhlolo Lwavelonkhe Lwemnyaka Nemnyaka 2015 (ANA) utawubhalwa kuto tonkhe tikolo temiphakatsi kanye naletikhetsiwe letitimele ngenyanga Inyoni 2015. Ngalesikhatsi bonkhe bafundzi bemabanga 1-3 batawubhala tivivinyo tavelonkhe teLulwimi neTibalo. Imiphumela itawusetjentiswa kubika ngenchubekela embili ekufinyeleleni emigomeni lebekwe ku *Action Plan 2014 Towards Schooling 2025*.

Tivivinyo teLuhlolo Lwavelonkhe Lwemnyaka Nemnyaka (ANA) titawubhalwa ngethemu yesitsatfu ngakoke Litiko Letemfundvo Lesisekelo (DBE) libhale imiculu leyinkhombandlela yeLuhlolo lwelibanga ngalinye esifundvweni ngasinye (Lulwimi neTibalo) lechaza lokuncane lokucuketfwe yikharikhulamu lokumele kwentiwe ngibo bonkhe bafundzi ngembikwekubhala sivivinyo.

Tinkhombandlela teluhlolo tibeka imikhawulo ngekweluhlaka lwemsebenti lekumele wentiwe kusivivinyo selibanga ngalinye nesifundvo ngasinye. Tinkhombandlela teLuhlolo Lwavelonkhe Lwemnyaka Nemnyaka 2015 (ANA) takhiwe tahambisana nelushintjo lwekharikhulamu lesetjentiswa kulesigaba.

SIGABA SABOKHEWANE

Emabangeni 1-3, tivivinyo titawufaka umsebenti lomisiwe wemathemu ekucala lamatsatfu emnyaka. Kulamabanga Tinkhombandlela teLuhlolo tihlelwe ngemakholamu lamatsatfu nemigca levundlile. Emakhono latawuhlolwa avetwe kukholamu yekucala, lokucuketfwe kuvetwe kukholamu yesibili kwase kutsi emakhono ngco latawuhlolwa avetwa kukholamu yesitsatfu.

Kubalulekile kucaphela kwekutsi Tinkhombandlela teLuhlolo Lwavelonkhe Lwemnyaka Nemnyaka 2015 (ANA) ativeti bungako baloko lokumele kufundziswe kubuye kufundvwe ngemnyaka. Kepha Tinkhombandlela teLuhlolo tiniketa lokumbalwa lokusisekelo sekharikhulamu lokumele kube kwentiwe nakuphela ikota yesitsatfu yemnyaka.

Kulindzeleke kwekutsi bothishela batisebentise leTinkhombandlela teLuhlolo kanye naletinye tinsita ekufundziseni kwabo nasetinhlelweni tabo tekuhlola.

UMKHAKHA WALOKUCUKETFEWE	TIHLOKO	EMAKHONO LAHLOLWAKO Kuhlola kutsi umfundzi uyakwati:
Tinombolo, Timpawu tekubala nebudlelwane	Kubala uye phambili nasemuva	Kubala aye phambili nasemuva nga: 1, 10, 5, 2, 3 na-4 kusukela kunobe nguyiphi inombolo lesemkhatsini we-0 ne-180
	Timpawu tetinombolo netinombolo ngemagama	kubhala tinombolo kusuka e- 0 -180 kubhala tinombolo ngemagama kusuka e- 0 -75
	Chaza catsanisa ubuye uhlele tinombolo	kucatsanisa tinombolo letiphelele kufika e-75 asebentisa kuncane kuna-, kukhulu kuna-, kunyenti kuna-, kuyalingana kuhlele tinombolo letiphelele kusukela kuletincane kuye kuletinkhulu naletinkhulu kuye kuletincane
	Simelibungako	kuhlahlela tinombolo letingemadijithi lamabili tibe ngemamalthiphuli elishumi nemivo. kutfola abuye anike bungako bedijithi ngayinye.
	Emasu ekusombulula tinkinga	imidvwebo kuphindza kabili nekuhhafula kwakha nekuhlahlela tinombolo kudvweba imigcatinombolo

UMKHAKHA WALOKUCUKETFWE	TIHLOKO	EMAKHONO LAHLOLWAKO Kuhlola kutsi umfundzi uyakwati:
	Kuhlanganisa nekususa	kusebentisa timphawu letifanele (+ , - , \square , =) kuhlanganisa afike e -75 kususa e -75
		kusombulula tinkinga tetibalo temagama kusimongcondvo abuye achaze tisombululo takhe letifaka ekhatsi kubala nekususa lokunetimphendvulo letifika e-75
	Kuphindza kuhlanganisa lokuholela ekuphindzaphindzeni	kuphindzaphindza tinombolo 1 kuye e-10 nga- 2, 5 na 4 kusebentisa timphawu letifanele (+ , - , \square , =)
		kusombulula tinkinga tetibalo temagama kusimongcondvo abuye achaze tisombululo takhe tetibalo letifaka ekhatsi kuphindza kuhlanganisa nekuphindzaphindza lokunetimphendvulo letifika e-40.
	Kugcogcela ndzawonye nekwabelana	kusombulula tinkinga tetibalo temagama letifaka ekhatsi kwabelana ngalokulinganako nekugcogcela ndzawonye tinombolo letiphelele kufike ema-40 lokunetimphendvulo letifaka ekhatsi tinsalela.
Tincetu	kubona tincetu letivetwe ngemdvwebo kusebentisa abuye anike emagama etincetu lokufaka ekhatsi emahhafu, emakota, kunye kwalokutsatfu, nakunye kwalokusihlanu. kubhala tincetu tibe yihhafu, lokubili kwalokutsatfu.	
	Imali	kusombulula tinkinga tetibalo temali letifaka samba nentjintji yemasenti lefika e-75c nemarandi kufike e-R75 kubona abuye atfole imali yaseNingizimu Afrika lebhuhhehlu 5c, 10c, 20c, 50c, R1, R2, R5 nemali yemaphepha R10, R20, R50

UMKHAKHA WALOKUCUKETFWE	TIHLOKO	EMAKHONO LAHLOLWAKO Kuhlola kutsi umfundzi uyakwati:
Emaphethini, Emafangishini ne-Algebra	Emaphethini eJomethri	kutsatsela abuye achubekisele phambili emaphethini lalula lentiwe ngemidvwebo yemigca, bobunjwa, nobe tintfo.
	Emaphethini etinombolo	kutsatsela, abuye achubekisele phambili kulandzelana kwetinombolo lokulula kuye lokungenani e-180 ngekubala aye phambili nasemuva: <ul style="list-style-type: none"> - nga-1 kusukela kunobe nguyiphi inombolo emkhatsini we- 0–180 - nga-2 kusukela kunobe nguyiphi imalthiphuli ya-2 emkhatsini we- 0–180 - nga-3 kusukela kunobe nguyiphi imalthiphuli ya-3 emkhatsini we- 0–180 - nga-4 kusukela kunobe nguyiphi inombolo lesemkhatsin we- 0–180 - nge-5 kusukela kunobe nguyiphi inombolo lesemkhatsin we- 0–180 - nge-10 kusukela kunobe nguyiphi inombolo lesemkhatsin we- 0–180
Sikhala nabunjwa	Indzawo, kubekeka nekubukeka.	kulandzela inkhombandlela ahambahambe eklasini.
	Tintfo letingemadayimenshini lamatsatfu (3-D)	kubona nekunika emagama etintfo letingemadayimenshini lamatsatfu etitfombeni <ul style="list-style-type: none"> - lokusabhola - lokusabhokisi - emasilinda kutfola tintfo tejomethri temalanga onkhe ngekusho kutsi tisabhola, tisabhokisi nobe tisasilinda. Identify kucatsanisa tintfo ltingemadayimenshini amatsatfu ngekwesayizi, tintfo letingagicika netintfi letishelelako

UMKHAKHA WALOKUCUKETFWE	TIHLOKO	EMAKHONO LAHLOLWAKO Kuhlola kutsi umfundzi uyakwati:
	Bobunjwa labangemadayimenshini lamabili (2-D)	kubona abuye abhale bobunjwa labangemadayimenshini lamabili(2-D) <ul style="list-style-type: none"> - tindilinga - bocalantsatfu - tikwele - bocalandze kucatsanisa bobunjwa labangemadayimenshini lamabili ngekwesayizi, ngekwembala, ngekwesimo, ngekwemacala lacondzile nemacala layindilinga.
	Kuhlukanisa emkhatsini ngalokufanako (isimethri)	kubona abuye advwebe umugca lowehlukanisa emkhatsini kulingane ngalokufanako kubobunjwa beJomethri labangemadayimenshini lamabili (2-D) nalabo labangasibo beJomethri.
Silinganiso	Sikhatsi	kunika emagama abuye alandzelanise emalanga eliviki. kunika emagama abuye alandzelanise tinyanga temnyaka. kusho sikhatsi sema-awa la-12 ngema- awa,ihhafu yema –awa nekota yema-awa emawashini etintsi. kubala budze nekwendlula kwesikhatsi.
	Umtsamo	kukala,kucatsanisa,kuhlela abuye arekhode umtsamo wetintfo tekuphatsa (umtsamo longamumatfwa yintfo yekuphatsa nayigcwalisiwe) ngekusebentisa tilinganiso letingakabekelwa umgomo, sib. tipunu netinkhomishi. kukala ,kucatsanisa, kuhlela nekurekhoda umtsamo wetintfo ngekukala ngemalitha asebentisa:

		<ul style="list-style-type: none"> - emabhodlela lanemtsamo loyilitha. - lijeke lekukala lelikhombisa imigca yekukala ngemalitha.
	Sisindvo	<p>kukala, kucatsanisa, kuhlela nekurekhoda sisindvo asebentisa sikali skusimisa netilinganiso letingakabekelwa umgomo sib. emabhloki, titini.</p> <p>kusebentisa lulwimi kukhuluma ngekucatsanisa sib. kulula, kuyasindza, kulula kakhulu, kusindza kakhulu</p>
Kusebenta ngedatha	Veta, hlatiya ubuye uhumushe idatha	<p>kuveta idatha kugrafutitfombe lekhombisa kucondzana kwakunye nakunye kuphendvula imibuto lemayelana nedatha lekugrafutitfombe lekhombisa kucondzana kwakunye nakunye.</p>