

UKWABIWA KWESIKHATHI SEMBALO:

Ama iri ali-7 ngeveke yinye abelwe iimbalo. Okulandelako kuhlahlewa kwemfundo zangamalanga okuphakanyisiweko .

IVEKE :Ama iri ali-7

Ngelanga - Li -iri -1 naminithi ama- 24 × 5 = ama-iri a-7(namkha i -iri -1 nanaminithi ama-30 ngelanga x 4 yamalanga + ne iri -1 lesifundo ngeveke okunikela ama-iri ali -7 ngeveke yi-1) Kulindeleke bonyana ama-iri ali-7 ngeveke yinye ajanyiselwe iimbalo atjhejwe ngeenkhathi zoke.

1. Umsebenzi wetlasi loke:
 - Ukubala, iimbalo zehloko (ukuhlanganisa imiqondo)
 - Umqondo omutjha ofundiswako
 - Ukuphathwa kwetlasi (ukwabiwa kwemisetjenzana yokuzijamela)
 2. Ukufundisa iinqhema ezizijamelako nemisebenzi yokuzijamela
(Faka zomlomo, okwenziwako, nemisetjhenzana yangamalanga yokutlola)
Utitihere uvatheijsisa ukuhlola kokufunda okuphumelisako ukwazisa uktlamela nokulungisa ukufunda

5 amaminithi +10
amaminithi
20 amamminithi
 24×2 iinqhema = 48
amaminithi

Bona ihlelo lokufundisa ngenqhema eliphakamisiweko ngenzas'

UMVULO	ULESIBILI	ULESITHATHU	ULESINE	ULESIHLANU
Isiqhema so-1 ne- 3	Isiqhema se-2 ne- 3	Isiqhema so-1 ne 3	Isiqhema se-2 ne- 3	Ukufundiswa kwetlasi loke

<p>Imiqondo eqakathekileko,ama kghono namagugu</p> <p>Ukubala ngaku-1 izinto ezima-30 ngokuthembako</p> <p>Ukubala uye phambili nemuva nga ku-2,10 ukufikela ema-50</p> <p>limbalo zehloko: Enengi nga-1nofana encani nga-1</p>	<p>(Kuhlanganiswe nephetheni yezinomboro)</p> <p>Ukubala uye phambili nemuva nga - 1, 2, 5 na-10 Kusukela 0 ukufika ema- 30</p> <p>limbalo zehloko : Enengi nga -1 nofana encani nga-1 linomboro bhodi -2-ukuya 6</p>	<ul style="list-style-type: none"> • Ukubala uye phambili nemuva nga -2,10 ukufikela ema-60 	<ul style="list-style-type: none"> • Ukubala uye phambili nemuva nga -2,10 ukufikela ema-60 	<p>limbalo zehloko : Enengi nga nofana encani nga-1 linomboro bhodi -2-ukuya 6</p> <ul style="list-style-type: none"> • Inomboro eza ngaphambil ,nangemuva. • Inomboro encani khulu nekulu khulu linomboro bhondi ze 4-8 	<p>limbalo zehloko : Enengi nga nofana encani nga-1 linomboro bhodi -2-ukuya 6</p> <ul style="list-style-type: none"> • Inomboro eza ngaphambil ,nangemuva. • Inomboro encani khulu nekulu khulu linomboro bhondi ze 4-8 	<p>limbalo zehloko : Enengi nga nofana encani nga-1 linomboro bhodi -2-ukuya 6</p> <ul style="list-style-type: none"> • Inomboro eza ngaphambil ,nangemuva. • Inomboro encani khulu nekulu khulu linomboro bhondi ze 4-8 	<p>limbalo zehloko : Enengi nga nofana encani nga-1 linomboro bhodi -2-ukuya 6</p> <ul style="list-style-type: none"> • Inomboro eza ngaphambil ,nangemuva. • Inomboro encani khulu nekulu khulu linomboro bhondi ze 4-8 	<p>limbalo zehloko : Enengi nga nofana encani nga-1 linomboro bhodi -2-ukuya 6</p> <ul style="list-style-type: none"> • Inomboro eza ngaphambil ,nangemuva. • Inomboro encani khulu nekulu khulu linomboro bhondi ze 4-8 	<p>limbalo zehloko : Enengi nga nofana encani nga-1 linomboro bhodi -2-ukuya 6</p> <ul style="list-style-type: none"> • Inomboro eza ngaphambil ,nangemuva. • Inomboro encani khulu nekulu khulu linomboro bhondi ze 4-8
<p>IINOMBORO ,AMA-OPHARETJHINI I NOBUDLELWANE</p> <ul style="list-style-type: none"> • Qedeleta ukulandelan a kwenombor o ngokubala ngaku-1 ukufikela ema-30 • Funda bewutbole amatshway o wenomboro ukusukela 	<p>IINOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE</p> <ul style="list-style-type: none"> • Ukubona, nokufanisa • Ukufunda nokubhala amatshwayo wenomboro namagama wenomboro ukufikela ema- 50 • Hlela umadanise inomboro eziphelele • Hlela ukusukela kwe kulu khulu ukuya kencani khulu, engaphasi nokulinganako • Ukuhlahlela iinomboro ezinamadjithi amabili zibe kubuyabuyeleta kwamatjhumi nemivo/ngakunye. • Ukufanisa nokutjho ubukhulu bedijithi enye neny. • Rrulula imiraro esebujameni efaka hlangana ukuhlanganisa nokukhupha ukufikela e-10 <p>Incwadi ye DBE umsebenzi:17, ne 18</p>	<p>IINOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE</p> <ul style="list-style-type: none"> • Rarulula imiraro esebujameni netjhaphullukileyo efaka hlangana ukuhlanganisa nokukhupha ukufikela ema-20 <p>Incwadi ye DBE umsebenzi:5,21,23 ne 24</p>	<p>IINOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE</p> <ul style="list-style-type: none"> • Rarulula imiraro esebujameni netjhaphullukileyo efaka hlangana ukuhlanganisa nokukhupha ukufikela ema-20 <p>Incwadi ye DBE umsebenzi:5,21,23 ne 24</p>	<p>IINOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE</p> <ul style="list-style-type: none"> • Rarulula imiraro esebujameni netjhaphullukileyo efaka hlangana ukuhlanganisa nokukhupha ukufikela ema-20 <p>Irhelo lenomboro: 20</p> <p>Incwadi ye DBE umsebenzi:5,21,23 ne 24</p>	<p>IINOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE</p> <ul style="list-style-type: none"> • Rarulula imiraro esebujameni netjhaphullukileyo efaka hlangana ukuhlanganisa nokukhupha ukufikela ema-20 <p>Irhelo lenomboro: 20</p> <p>Imali:</p> <ul style="list-style-type: none"> • Ukuhlanganisa nokukhupha ukufikela ema -20, ukubala obusebujameni obutjhaphulukileko <p>Incwadi ye DBE umsebenzi:5,21,23 ne 24</p>	<p>IINOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE</p> <ul style="list-style-type: none"> • Rarulula imiraro esebujameni netjhaphullukileyo efaka hlangana ukuhlanganisa nokukhupha ukufikela ema-20 <p>Irhelo lenomboro: 20</p> <p>Imali:</p> <ul style="list-style-type: none"> • Ukuhlanganisa nokufanisa imali yeSewula Afrika eziinhlamvu 5c, 10c, 20c, 50c, R1, R2, R5, nemali yamaphepha R10, R20, R50 • Ukuhlanganisa nokufanisa imali yeSewula Afrika eziinhlamvu 5c, 10c, 20c, 50c, R1, R2, R5, nemali yamaphepha R10, R20, R50 <p>Incwadi ye DBE umsebenzi:5,21,23 ne 24</p>	<p>IINOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE</p> <ul style="list-style-type: none"> • Rarulula imiraro esebujameni netjhaphullukileyo efaka hlangana ukuhlanganisa nokukhupha ukufikela ema-20 <p>Irhelo lenomboro: 20</p> <p>Imali:</p> <ul style="list-style-type: none"> • Ukuhlanganisa nokufanisa imali yeSewula Afrika eziinhlamvu 5c, 10c, 20c, 50c, R1, R2, R5, nemali yamaphepha R10, R20, R50 • Ukuhlanganisa nokufanisa imali yeSewula Afrika eziinhlamvu 5c, 10c, 20c, 50c, R1, R2, R5, nemali yamaphepha R10, R20, R50 <p>Incwadi ye DBE umsebenzi:5,21,23 ne 24</p>	<p>IINOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE</p> <ul style="list-style-type: none"> • Rarulula imiraro esebujameni netjhaphullukileyo efaka hlangana ukuhlanganisa nokukhupha ukufikela ema-20 <p>Irhelo lenomboro: 20</p> <p>Imali:</p> <ul style="list-style-type: none"> • Ukuhlanganisa nokufanisa imali yeSewula Afrika eziinhlamvu 5c, 10c, 20c, 50c, R1, R2, R5, nemali yamaphepha R10, R20, R50 • Ukuhlanganisa nokufanisa imali yeSewula Afrika eziinhlamvu 5c, 10c, 20c, 50c, R1, R2, R5, nemali yamaphepha R10, R20, R50 <p>Incwadi ye DBE umsebenzi:5,21,23 ne 24</p>	<p>Ukubyekeza lthemu yo-1</p> <ul style="list-style-type: none"> • Ukuhlanganisa • Ukuhlanganisa • Ukuhlanganisa <p>Incwadi ye DBE umsebenzi:23,24 ne 30</p>

	<ul style="list-style-type: none"> ku-1 ukuya e-20 Tlola amagama wenomboro ukusuka ku-1 ukuya -10 <p>Incwadi ye DBE umsebenzi:3,4, 19</p>	<p>AMAPHETHINI,AMAFANKTJHINI NE-ALJIBRA</p> <p>Amaphetheni we Jiyomethri</p> <ul style="list-style-type: none"> Ukukopa, ungezelele bewuhlathulule Amphetheni alulla weJiyomethri ngamagama Incwadi ye DBE umsebenzi: 27,28 <p>Amapherhini wenomboro:</p> <ul style="list-style-type: none"> Ukukopa, ungezelele bewuhlathulule Amphetheni alulla ngamagama (ingaku - 2, 5, na-10) <p>Incwadi ye DBE umsebenzi:7</p>	<p>Isikhala nobujamo - Izinto ezibusontathu (3-D):</p> <ul style="list-style-type: none"> Ukutjho, ufanisa bewuhlathulule,,uhlele umadanise izinto ezibusontathu (3D). <p>(kuhlanganiswe nokuphatha idatha)</p> <p>Incwadi ye DBE umsebenzi:9,ne 32</p>	<p>Ukumeda : Isikhathi</p> <ul style="list-style-type: none"> Ukutjho nokulandelanisa amalanga veke. Ukutjho nokulandelanisa iinyanga zonyaka. Ukutjho isikhathi ngama-iri ali-12 usebenzise ama-iri, nesigamu se-iri esisewatjhini ye-analog. Balilsisa ubude besikhathi nokudlulisa isikhathi Sebenzisa iwatjhji ukubalisisa ubude besikhathi ngama-irinofana isigamu se-iri <p>Incwadi ye DBE umsebenzi:13,14,22</p>	
			<p>Ukumeda: Ubude</p> <ul style="list-style-type: none"> Linganisa, meda, madanisa, hlela bewurekhode ubude kusetjhenziswa izinto zokumeda ezingakalinganiswa isib. Ubude besandla, igadango, ubude bepensela, izinto zokubala njil. Linganisa, meda, madanisa, hlela bewurekhode ubude kusetjhenziswa amamitha (nofana iingojwana ezibubude bemithanofana indambo enobude bemitha) njengemedo elihlelewko lobude. <p>Incwadi ye DBE umsebenzi:10</p>	<p>Ukuphatha idatha</p> <ul style="list-style-type: none"> Buthelela, Jamisela idatha egrafini yeenthombe ngakunye nakunye okukhambelanako <p>Incwadi ye DBE umsebenzi:15,16</p>	
Amaqhinga	inambalayini	Ukwakha nokuphula kweenomboro, Inambalayini	Inambalayini Ukwakha nokuphula kweenomboro	kubuyeleta kibili nokuhafula phakathi Ukubala ngaku – 2, 5 ne 10	Ukubala ngaku 2, 5, 10 Inambalayin
Ilwazi elidingeka ngaphambili	<p>Egreyidini yoku-1 kulindeleke bonyana abafundi sele bafundisiwe bonyana kwensiwa bunjani okulandelako:</p> <ul style="list-style-type: none"> Ukukopa, ukwandisa nokuhlathulula ukulandelana kweenomboro okungenani ukufika e- 100. Ukulandelana kufanele kutjhengise ukubala uye phambili nemuva: Ukubala uye phambili nga -2,5,10 bewufikele e-100. Ukusebenzisa ama apharehasi,iinthombe,amanambalayini, ukuphula nokwakha iinomboro lokha nakurarululwa bekuhlathululwe imirara nakubalwa.. Rarulula imiraro yamagama ezisebujameni bewuhlathulule insombululo zakho zemiraro, ezifaka ukuhlanganisa okubuyeletweko mpendulo ukufika e-10 	<p>Egreyidini yoku-1 kulindeleke bonyana abafundi sele bafundisiwe bonyana kwensiwa bunjani okulandelako:</p> <ul style="list-style-type: none"> Ukukopa, ukwandisa nokuhlathulula ukulandelana kweenomboro okungenani ukufika e- 100. Ukulandelana kufanele kutjhengise ukubala uye phambili nemuva: Ukubala uye phambili nga -2,5,10 bewufikele e-100. Ukusebenzisa ama apharehasi,iinthombe,amanambalayini, ukuphula nokwakha iinomboro lokha nakurarululwa bekuhlathululwe imirara nakubalwa.. Rarulula imiraro yamagama ezisebujameni bewuhlathulule 	<ul style="list-style-type: none"> Ukusebenzisa ama apharehasi,iinthombe,amanambalayini, ukuphula nokwakha iinomboro lokha nakurarululwa bekuhlathululwe imirara nakubalwa. Rarulula imiraro yamagama ezisebujameni bewuhlathulule insombululo zakho zemiraro, ezifaka ukuhlanganisa okubuyeletweko mpendulo ukufika e-10 	<ul style="list-style-type: none"> Ilwazi lamagama alandelako: Ekuseni,emva kwedina nasebusuku, iinomboro - 1 ukuya 12 Ama-iri nesigamu se -iri Ukutjho nokulandelanisa amalanga weveke Ukutjho nokulandelanisa iinyanga zonyaka Amanambabondi ukufikela e-10 	<ul style="list-style-type: none"> Ilnambabondi ukufikela e-10 Amatshwayo asetjenziswako (+ & -) Rarulula imiraro yamagama ezisebujameni bewuhlathulule insombululo zakho zemiraro, ezifaka ukuhlanganisa okubuyeletweko nempendulo ukufika e-10 Ukusebenzisa amatshwayo afaneleko +, -, =, □ Ukuhlanganisa ngokubuyeleta ukufikela e-10.

	<ul style="list-style-type: none"> Ukubona nokufunda amatshway o wenomboro ukusukela ku-1 ukufikela e-80 Ukutlola amatshway o enomboro ukusukela ku-1 ukufikela e-20 	<p>insombululo zakho zemiraro, ezifaka ukuhlanganisa okubuyeletweko npendulo ukufika e-10.</p> <ul style="list-style-type: none"> Amanambabondi ukufikela e-10 nokusebenzisa amatshwayo afaneleko +, -, =, □ 	<p>danisa bewuhlele ubude, ukuphakama namkha ububanzi bezinto ezimbili nangaphezulu ubeke enye eduzane neny. .</p> <ul style="list-style-type: none"> Sebenzisa ilimi elifanele nakukhulunywa ngokumadanisa. 							
linsetjhenziswa (ngaphandle kwetheksibhugu) ezithuthukisa ukufunda	<ul style="list-style-type: none"> Iincwadi ze DBE zokusebenzela Nencwadi zokusebenzela zangeklasini Ama-apharethasi aphathekako Itjhadi leenomboro ezifikela e-100 umfundi ngamunye Amakhadi wokusebenza 	<ul style="list-style-type: none"> Itjhadi leenomboro ezifikela e-100 limbali, l-abakhasi Iincwadi ze DBE zokusebenzela Amaphepha womsebenzi Nencwadi zokusebenzela zangeklasini Amaphepha, iinkero, amapensela, ingodo, imvalo zamabhodlela.,. Amabhokisi womlilo angenalitho, iintambo, amarula itheyibhu yokumeda. 	<ul style="list-style-type: none"> Amakhalenda Iwatihi ye-analogi Iincwadi ze DBE zokusebenzela Amaphepha womsebenzi Nencwadi zokusebenzela zangeklasini 	<ul style="list-style-type: none"> limbali, amapuleyidi weplastiki, indulungu ezigwalwe phasi, Iincwadi ze DBE zokusebenzela Amaphepha womsebenzi Nencwadi zokusebenzela zangeklasini 	<ul style="list-style-type: none"> Iincwadi ze DBE zokusebenzela Amaphepha womsebenzi Nencwadi zokusebenzela zangeklasini 	<ul style="list-style-type: none"> Iincwadi ze DBE zokusebenzela Amaphepha womsebenzi Nencwadi zokusebenzela zangeklasini 				
Ukuhlola okungakahleki	Hlola imiqondo eqakathekileko, amakghono namagugu ngaphezulu									
Ukuhlolwa okuhlelekile okulungiselwa ngeenkolweni(SBA) (ukuhlola okuhlelekile)			INOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE <ul style="list-style-type: none"> Zomlomo: 	INOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE AMAPHETHINI,AMA FANKTJHINI NE-ALJIBRA <ul style="list-style-type: none"> Okutlolwako: 	ISIKHALA NOBUJAMO <ul style="list-style-type: none"> Okwenziwako: 	INOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE ISIKHALA NOBUJAMO DATA HANDLING <ul style="list-style-type: none"> Okutlolwako: 	UKUMEDA <ul style="list-style-type: none"> Zomlomo: 	INOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE UKUMEDA <ul style="list-style-type: none"> Okutlolwako: 	INOMBORO ,AMA-OPHARETJHINI NOBUDLELWANE <ul style="list-style-type: none"> Okwenziwako: 	

