

2021: Luhlelo lokufundzisa lwem – Sigamu-1: TIBALO: Libanga le- 3

**Sikhatsi lesiniketwe kufundzisa tibalo:**

Ema-awa lasi: 7 ngeliviki aniketwe sifundvo setibalo. Loluhla lolungentasi luphakanyisiwe.

<b>Liviki: 7 ema- awa</b>	
<b>Ngelusuku 1 li-awa 24 emaminitsi × 5 = 7 ema-awa (nobe 1h30 × 4 emalanga uhlanganise nesifundvo lesili-awa li-1 ngeliviki) Sikhatsi seTibalo lesibekiwe lesingema-awa la-7 ngeliviki kumele sihlonishwe.</b>	
<b>Ngelilanga 1 li-awa 24 emaminitsi × 5 = 7 ema-awa</b>	
<p>1. Umsebenzi weliklasi lonkhe:</p> <ul style="list-style-type: none"> <li>○ kubala, tibalo tenhloko (kuhlanganiswa kwemicondvo).</li> <li>○ Imicondvo lemisha yekufundzisa.</li> <li>○ Sihloko lesisha lofundzisa ngaso.</li> </ul> <p>2. Kufundzisa kwelicumbu lelitimele nemsebenzi lotimele. (kuhlanganise temlomo, kwenta nekubhala imisebenzi yamalanga onkhe) Thishela uyakhumbula futsi kuhlela kahle ngemphumelelo, kuhlola, kufundza kwatisa kulungisa nekufundzisa.</p>	<p>5 emaminitsi +10 emaminitsi 20 emaminitsi 24 × 2 emacumbu = 48 emaminitsi</p>

<b>Buka luhlelo lwelicumbu loluphakanyisiwe lapha ngaphasi.</b>				
<b>Msombuluko</b>	<b>Lesibili</b>	<b>Lwesitsatfu</b>	<b>Lesine</b>	<b>Lwesihlanu</b>
<b>Licembu 1 na 3</b>	<b>Licembu 2 na 3</b>	<b>Licembu 1 na 3</b>	<b>Licembu 2 na 3</b>	<b>Kufundzisa liklasi lonkhe</b>

<b>Sigamu seku-1 Emalanga lange-45</b>	<b>Liviki leku- 1</b>	<b>Liviki lesi- 2</b>	<b>Liviki lesi- 3</b>	<b>Liviki lesi- 4</b>	<b>Liviki lesi- 5</b>	<b>Liviki lesi- 6</b>	<b>Liviki lesi- 7</b>	<b>Liviki lesi- 8</b>	<b>Week 9</b>	<b>Week 10</b>
<b>Tihloko te-CAPS</b>	<ul style="list-style-type: none"> <li>• Kuhlola lokusisekelo</li> <li><b>NOR:</b></li> <li>• Bala tintfo</li> <li>• Bala uyephambili Nasemuva</li> <li>• Timphawu tetinombolo nemagama Etinombolo</li> <li>• Simelibungako</li> </ul>	<ul style="list-style-type: none"> <li>• Bala tintfo</li> <li>• Bala uyephambili Nasemuva</li> <li>• Timphawu tetinombolo nemagama Etinombolo</li> <li>• Chaza, catsanisa ubuye uhlele tinombolo</li> <li>• Simelibungako</li> <li>• Kuhlanganisa nekususa</li> </ul>	<ul style="list-style-type: none"> <li>• Kuhlanganisa nekususa</li> <li>• Simelibungako</li> <li>• kuphinzaphindza</li> </ul>	<ul style="list-style-type: none"> <li>• Kuhlanganisa nekususa</li> <li>• Kuphinzaphindza</li> <li>• Imali</li> </ul>	<ul style="list-style-type: none"> <li>• Kuhlanganisa nekususa</li> <li>• Kuphinzaphindza</li> <li>• Imali</li> </ul>	<ul style="list-style-type: none"> <li>• Kuphinzaphindza</li> <li>• Kugcogcela ndzawonye</li> <li>• Nkwabelana.</li> </ul>	<b>Kubuketa</b>			
	<ul style="list-style-type: none"> <li>• Emaphethini ejomethri</li> <li><b>Sikhala nabunjwa:</b></li> <li>• Tintfo letingemadiyimenshini lamatsatfu (3-D)</li> </ul>	<ul style="list-style-type: none"> <li>• Silinganiso:</li> <li>• Sikhatsi</li> </ul>	<ul style="list-style-type: none"> <li>• Kusebenta ngedatha:</li> </ul>							
<b>Imicondvo leyinhloko, Emakhono nekubaluleka kwekubala</b>	<p><b>Kubala:</b></p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga- 2, 5 neli- 10 kufike e- 100 (kusukela kunobe nguyiphi imaltiphuli)</li> </ul> <p><b>Tibalo tenhloko:</b> Lenyenti nga-1 nobe lencane nga-1</p>	<p><b>Kubala:</b> (kuhlanganise nemaphethini yetinombolo)</p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga-1, 2, 5 kufike e- 150 (kusukela kunobe nguyiphi imaltiphuli)</li> </ul> <p><b>Tibalo tenhloko:</b></p> <ul style="list-style-type: none"> <li>• Lenyenti nga-1 nobe lencane nga-1</li> <li>• Lenyenti nga-2 nobe lencane nga-2</li> <li>• Lenyenti nge-5 nobe lencane nge-5</li> </ul>	<p><b>Kubala:</b> (kuhlanganise nemaphethini yetinombolo )</p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga- 2, 5, 10 kufike e- 200 (kusukela kunobe nguyiphi imaltiphuli )</li> </ul> <p><b>Tibalo tenhloko:</b></p> <ul style="list-style-type: none"> <li>• Hlela tinombolo</li> <li>• Kulencane/kulekhulu</li> <li>• Tetayete kuhlanganisa tinombolo uye e-10</li> <li>• Kuhlanganisa tinombolo uye ku- 20</li> </ul>	<p><b>Kubala:</b></p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga- 2, 3 kufike e- 200 (kusukela kunobe nguyiphi imaltiphuli )</li> </ul> <p><b>Tibalo tenhloko:</b></p> <ul style="list-style-type: none"> <li>• Ngutiphi tinombolo emkhatsini wema-nema?</li> <li>• Lenyenti nga-3 nobe lencane nga-3</li> </ul>	<p><b>Kubala:</b></p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga- 3 na 5 kufike e-200 (kusukela kunobe nguyiphi imaltiphuli )</li> </ul> <p><b>Tibalo tenhloko:</b></p> <ul style="list-style-type: none"> <li>• Addition and subtrUmtsetfoion fUmtsetfos to 20</li> <li>• Phinzaphindza (2 emamaltiphuli na 5 lithebutle)</li> </ul>	<p><b>Kubala:</b></p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga- 3 na 10 kufike e- 200 (kusukela kunobe nguyiphi imaltiphuli )</li> </ul> <p><b>Tibalo tenhloko:</b></p> <ul style="list-style-type: none"> <li>• Phinzaphindza ( emaltiphuli yaku 3)</li> <li>• Lenyenti nga-3 nobe lencane nga-3</li> <li>• 10 more/ 10 less</li> </ul>	<p><b>Kubala:</b></p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga- 2 na 4 ukufike e- 200 (kusukela kunobe nguyiphi imaltiphuli )</li> </ul> <p><b>Tibalo tenhloko:</b> <b>Kuhlanganisa nekususa ufike e- 20</b></p> <ul style="list-style-type: none"> <li>• Lenyenti nga-2 nobe lencane nga-2</li> <li>• Lenyenti nga-4 nobe lencane nga-4</li> </ul>	<p><b>Kubala:</b></p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga- 3s &amp; 4s up 200 (kusukela kunobe nguyiphi imaltiphuli )</li> </ul> <p><b>Tibalo tenhloko:</b> <b>Kuhlanganisa nekususa ufike e- 20</b></p> <ul style="list-style-type: none"> <li>• Phinzaphindza ( emaltiphuli yaku 2-5)</li> </ul>	<p><b>Kubala:</b></p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva Nga- 3, 4ne- 10 kufike e- 200 (kusukela kunobe nguyiphi imaltiphuli )</li> </ul> <p><b>Tibalo tenhloko:</b> <b>Kuhlanganisa nekususa ufike e- 20</b></p> <ul style="list-style-type: none"> <li>• Phinzaphindza ( emaltiphuli yaku 2-5)</li> </ul>	<p><b>Kubala:</b></p> <ul style="list-style-type: none"> <li>• uyephambili Nasemuva nga- 2, 3 naku- 4 kufike e- 200 (kusukela kunobe nguyiphi imaltiphuli )</li> </ul> <p><b>Tibalo tenhloko:</b> <b>Kuhlanganisa nekususa ufike e- 20</b></p> <ul style="list-style-type: none"> <li>• Phinzaphindza ( emaltiphuli yaku 2-5)</li> </ul>

Sigamu seku-1 Emalanga lango-45	Liviki leku- 1	Liviki lesi- 2	Liviki lesi- 3	Liviki lesi- 4	Liviki lesi- 5	Liviki lesi- 6	Liviki lesi- 7	Liviki lesi- 8	Week 9	Week 10
		Tetayete kuhlanganisa tinombolo uye e-10		• Khipha inombolo ku- 20	• Kuphinda nekuhhafula		Phindzaphindza ( emaltiphuli yaku 4)			• Phindzaphindza nge- 10
	<b>NOR:</b> <ul style="list-style-type: none"> <li>• <b>Bala tintfo</b></li> <li>• ngekugcogcela ndzawonye tintfo ufike e-100 (ucombele ubuye ubale )</li> <li>• Gcwalisa tinombolo ngekulandzelana ufike e- 100</li> <li>• Fundza ubuye ubhale timphawu tetinombolo ufike e- 100</li> <li>• Bhala emagama etinombolo kusukela kuku- 1 ufike ema- 30</li> <li>• Hlahlela tinombolo letingemadajithilama bili kuye e- 99 tibengemamalthiph uli emashumi nemivo</li> <li>• Tfolo ubuye usho bungako bedijith ingayinye</li> <li>• DBE Libhuku Lekusebenta: Umtsetfo 1, 2, 3</li> </ul>	<b>NOR:</b> <ul style="list-style-type: none"> <li>• Bona, tfolo ubuye ufundze timphawu tetinombolo kusukela e -0 kuye e- 200</li> <li>• Bhala emagama etinombolo uye e-100</li> <li>• Hlela ubuye ucatsanise (&lt;, &gt;, =) tinombolo letiphelele ufike e- 99</li> <li>• Hlela uskele kulenkulu kakhulu uyekulencane kakhulu , kuncane kuna na kulinga na uye e- 99</li> <li>• Hlahlela tinombolo letingemadajithi lamabili kuye e- 99 tibengemamalthiphuli langemashumi nemuvo</li> <li>• Tfolo ubuye usho bungako bedijithi ngayinye</li> <li>• Sombulula tikinga tetibalo temagama tekuhlanganisa nekususa ufike e- 20 .</li> </ul> <b>Sebentisa timphawu letifanele (+, -, =, ÷)</b>  <b>DBE Libhuku Lekusebenta: Umtsetfo 4, 17, 18, 19</b>  <ul style="list-style-type: none"> <li>• Bona ubuye utfole imali yaseNingizimu Afrika lebhuhlelu 5c, 10c, 20c, 50c, R1, R2, R5, kanye nemali yemaphhepha R10, R20, R50</li> <li>• Sombulula tikinga tetibalo temali letifaka samba nentjintji yemasenti lefika ku-50c namarandi ufike -R20</li> </ul>	<b>NOR:</b> <ul style="list-style-type: none"> <li>• Hlanganisa ubye ususe tikinga temadajithi lama- 2 lanetimphendvulo letifaka e- 99 kusimogcondvo nekutibalela nje.</li> <li>• Sombulula tikinga tetibalo temagama kusimogcondvo nekutibalela nje, ubuye uchaze sisombululo sakho etikeningi letifaka ekhatsi kuphinzaphindza lokunetimphendvulo letifaka e- 50.(emamaltiphuli ye-5 ne 2)</li> <li>• Budlelwane emkhatsini wekuphinda tekuhlanganisa nekuphinzaphindza .</li> <li>• Sebentisa timphawu letifanele (+, -, =, ÷)</li> </ul> <b>DBE Libhuku Lekusebenta: Umtsetfo 20 a &amp; b, 24</b>  <b>PFA:</b> <b>Emaphethini eJomethri</b> <ul style="list-style-type: none"> <li>• Tsatsela, chubekisela phambili ubuye uchaze.</li> <li>• Emaphethini lolula lentiwe ngetintfo letiphathsekako</li> <li>• Takhele yakho iphethini usebentise ti tintfo letiphathsekako</li> </ul>	<b>NOR:</b> <ul style="list-style-type: none"> <li>• Hlanganisa ubye ususe uye e-99 kutibalela nje</li> <li>• Sombulula tikinga tetibalo temagama kusimogcondvo nekutibalela nje, ubuye uchaze sisombululo sakho etikeningi letifaka ekhatsi kuphinzaphindza lokunetimphendvulo letifaka e- 50.(emamaltiphuli ye-5, 2, 3 naye- 4)</li> </ul> <b>Imali: (ihlanganiswe nekuhlanganisa,kususa nekuphinzaphindza )</b> <ul style="list-style-type: none"> <li>• Bona ubuye utfole imaliyaseNingizimu Afrika lebhuhlelu 5c,10c, 20c, 50c, R1, R2, R5, kanye nemali yemaphhepha R10, R20, R50</li> <li>• Sombulula tikinga tetibalo temali letifaka samba nentjintji yemasenti lefika ku-50c namarandi ufike -R20.</li> </ul> <b>DBE Libhuku Lekusebenta: Umtsetfo 21 a &amp; b, 26</b>  <b>Silinganiso:</b> <b>Sikhatsi:</b> <ul style="list-style-type: none"> <li>• Shano sikhatsi sema-awa la -12 ngema-awa, ihhafu yema-awa ikota yema-awa ne emaminithi mawashini etintsi nasemawashini edijithi nakulamanye emathulusi edijithi lakhombisa sikhatsi sib. Bomakhalekhikhini.</li> </ul> <b>Bala budze nekwendlula kwesikhatsi</b> <ul style="list-style-type: none"> <li>▪ Kuntjintja emalanga nemaviki</li> <li>▪ Kuntjintja emaviki netinyaka.</li> <li>▪ Sebentisa emawashi kubala budze besikhatsi</li> </ul> <b>DBE Libhuku Lekusebenta: Umtsetfo 12, 32</b>	<b>NOR:</b> <ul style="list-style-type: none"> <li>• Kuphinzaphindza tinombolo nje lokunetimphendvulo letifaka e- 50.( emamaltiphuli ye-5, 2, 3 na 4)</li> </ul> <b>Kugcogcela ndzawonye nekwebelana Lokuholela ekhulukaniseni:</b> <ul style="list-style-type: none"> <li>• Bala tibalo tetinombolo kusimogcondvo ubuye uchaze tisombululo takho tetibalo letifaka ekhatsi kwabelana ngalokulinganako nekugcogcela ndzawonye kuye e -50, uhlukane nga- 2, 5 neli-10</li> <li>• Sebentisa timphawu letifanele(+, -, =, ÷)</li> </ul> <b>DBE Libhuku Lekusebenta: Umtsetfo 23, 30 a &amp; b, Kusebenta kwedatha:</b> <ul style="list-style-type: none"> <li>• Gcogca idatha lemayerana neliklasi nome sikolo kute uphendvule imibuto yathishela</li> </ul> <b>Sebentisa emathali kurekhoda idatha</b> <ul style="list-style-type: none"> <li>• Ngetigaba loniketwe tona Veta idatha:</li> <li>• Kumathebula</li> <li>• Kumabhagrafu</li> <li>• Khuluma ngedatha ubuye uphendvule imibuto yedatha ngemathebula nangemabhagrafu (Wente tincumo-humusho ngedatha).</li> </ul> <b>DBE Libhuku Lekusebenta: Umtsetfo 16, 22</b>	<b>KUBUKETA kwesigamu seku- 1</b> <ul style="list-style-type: none"> <li>• <b>Kuhlanganisa nekususa</b></li> <li>• Kuphinzaphindza no kwabelana</li> </ul> <b>DBE Libhuku Lekusebenta: Umtsetfo 27, 28</b>				

Sigamu seku-1 Emalanga lange-45	Liviki leku- 1	Liviki lesi- 2	Liviki lesi- 3	Liviki lesi- 4	Liviki lesi- 5	Liviki lesi- 6	Liviki lesi- 7	Liviki lesi- 8	Week 9	Week 10
<b>Emasu (tindlela)</b>	Bala tintfo ngetindlela letehlukene : Kubala lokuhlakaniphile (emacembu): Kubala ngekuphindzaphindza : Umigcatinombolo	I-notation lenwetjiwe, Kwakha kuhlalela , Umigcatinombolo	Umigcatinombolo kuhlalela Kwakha Umdvwebo wemalunga lafananako. Lithebula lekuphindzaphindza.	Umigcatinombolo kuhlalela Kwakha Umdvwebo wemalunga lafananako Lithebula lekuphindzaphindza kubuyebelela nekuhhafula Bala nga- 2, 3, 4 5 neli-10	Array diagram Lithebula lekuphindzaphindza Bala nge- 5 ithebula lemathali					
<b>Lwati lwangaphambili loludzingekak o</b>	Ebangeni lesi- 2, bantwana kufanele babesebakufundzile futsi sebakwati ku: • Bala baye phambili nasemuva kusukela ku-0 kuye e- 200. • Bona, ufundze ubuye ubhale timphawu tetinombolo ufike e-200. • Bhala emagama etinombolo kuye e -100	Ebangeni lesi- 2, bantwana kufanele babesebakufundzile futsi sebakwati ku: • Tsatsela, chubekisela phambili ubuye uchaze tinombolo letilula letilandzelanako lokungenani kuye e- 200, lokufanele kuhlanganise kubala uyephambili nasemuva nga- 1. • Bala uyephambili nge- 10, 5, 4, 3 nanga- 2 ufike e-200. • Sebentisa tintfo letiphathsekako, mindvwebo, migcatinombolo, kuhlalela Kwakhauma usombulula tikinga ubye uchaze indlela losombulule ngayo • Sombulula tikinga tetibalo temagama kusimogcondvo nekutibalela nje, ubuye uchaze sisombululo sakho etikingeni letifaka ekhatsi kuhlanganisa nekususa lokune timphendvulo letifika e- 99. Tetayete kuhlanganisa tinombolo uye e-10 uphindze uebentisa timphawu letifanele (+, -, =,   )	• Sebentisa tintfo letiphathsekako, mindvwebo, migcatinombolo, kuhlalela Kwakhauma usombulula tikinga ubye uchaze indlela losombulule ngayo • Sombulula tikinga tetibalo temagama kusimogcondvo nekutibalela nje, ubuye uchaze sisombululo sakho etikingeni letifaka ekhatsi kuhlanganisa nekususa lokune timphendvulo letifika e- 99. • Tetayete kuhlanganisa tinombolo uye e-10 uphindze uebentise timphawu letifanele (+, -, =,   ) • Sebentisa lulwimi kukhuluma ngetintfo letingemadiyimenshini lamatsatfu (3-D) .	• kusho sikhatsi sema-awa la -12 ngema-awa, nehafu yema-awa . • Emagama nekuhlela emalanga eliviki • Emagama nekuhlela tinyanga temnyaka • Tetayete kuhlanganisa tinombolo uye e-10 • Lwati lokwati kutsi kusekuseni, emini, nantsmbama. • Lwati lwemali yase- RSA	• Sombulula ubuye uchaze tisombululo tekwenta letifaka ekhatsi kwabelana ngalokulinganako nekugcogcela ndzawonye • Kuhlanganisa nekususa ukuze uhumushe emagrafu. • Veta idatha kugrafutifombe lekhombisa 1----1 kuhambisana.					
<b>Tinsita (ngaphandle kwemabhuku ekufundza) tekutfutukisa kufundza</b>	• DBE Libhuku Lekusebenta • Emaphepha ekusebentela/ libhuku lemsebenti wesikolwa. • Tinsitakusebenta letimisiwe. • 100 emabhodi umfundzi ngamunye • Umtsetfo ivity cards	• 100 emabhodi • DBE Libhuku Lekusebenta • Emaphepha ekusebenta/ libhuku lemsebenti waseklasini. • Kwekubala, i-abakhusi, • DBE Libhuku Lekusebenta • Emaphepha ekusebenta/ libhuku lemsebenti waseklasini	• Counters, abacus • DBE Libhuku Lekusebenta • Emaphepha ekusebenta/ libhuku lemsebenti waseklasini • Liphepha, sikelo, ipenseli, tindvuku, ticongo temabhodlela. • Emafofo emmetjisi, tintsambo, irula yekulinganisa.	• IKhalenda • Liwashi le-analogi • DBE Libhuku Lekusebenta • Emaphepha ekusebenta/ libhuku lemsebenti waseklasini	• Counters, plastic plates, circles drawn on the floor • DBE Libhuku Lekusebenta • Emaphepha ekusebenta/ libhuku lemsebenti waseklasini.	• DBE Libhuku Lekusebenta • Emaphepha ekusebenta/ libhuku lemsebenti waseklasini				
<b>Luhlolo lolungaka hleleki</b>	Hlola njengemicondvo lemckwa, Emakhono nekubaluleka kwekubala									
<b>SBA (Luhlolo lolungaka hleleki)</b>			<b>Temlomo:</b> • NOR	<b>Kubhala:</b> • NOR	<b>Kwenta:</b> • Sikhala nabunjwa • PFA	<b>Kubhala:</b> • NOR • Sikhala nabunjwa •	<b>Temlomo:</b> • Silinganiso	<b>Kubhala:</b> • NOR • Silinganiso • Kusebenta kwedatha	<b>Kwentel:</b> • NOR	