

Ukufunda ngoMthethosisekelo weRiphabliki yeSewula (1996)

UMthethosisekelo weSewula Afrika (1996) umumethe imithetho yenarha eseqophelweni eliphazulu. Imithetho leyo kumele ilandelwe ngumongameli wenarha, abaphathi beenkundla zemithetho kanye nalabo abasembusweni.

Imithetho leyo ihlathulula kobana abantu benarha bafenele baphathane njani, nokuthi ngimaphi amalungelo wabo nokuthi ngiziphi iimbopho abanazo. UMthethosisekelo wenzelwe ukusivikela soke thina kanye nabentwana bethu ngomuso.

Kuqakathekile ukwazi izehlakalo zesikhathini esidlulileko.

Asingabuyeleli iimphoso zangesikhathi esidlulileko.

UMthethosisekelo usisiza ukucabanga nokwakha ilingomuso elingcono lethu soke.

Thina, abantu beSewula Afrika;

Siyakwazi ukungaphatheki kuhle kwethu ngokomthetho esikhathini esadlulako;

Siphathela phezulu abahlukunyezwa ngebanga lokobana kube nobulungiswa begodu nekululeko enarheni yekhethu;

Sihlonipha labo abasebenze ekwakheni begodu nekuthuthukiseni iphasi lekhetu;

begodu bakholelwa bonyana iSewula Afrika ngeyabo boke abahlala kiyo, sibambene ngokwahlukahlukana kwethu.

Ngalokho-ke, ngabajameli bethu abakhethwe ngokukhululekileko; samukela uMthetho-sisekelo lo njengoMthetho wokuthoma weRiphabliki oza-

Kuqeda ukwahlukana okwadlulako begodu sakhe umphakathi ozokuzimelela kuminqopho yentando yenengi, ubulungiswa begodu namalungelo wangokomthetho wobuntu.

Ukubeka isisekelo sentando yenengi begodu nomphakathi onzinzileko lapha umbuso unzinze khona phezu kwentando yesitjhaba begodu nalapha zoke izakhamuzi zivikelele khona ngokomthetho.

Ukwenza ngcono izinga lepilo yazo zoke izakhamuzi begodu nokuvezwa kwekghono lawo woke umuntu;

Ukwakha iSewula Afrika ebumbeneko begodu nenentando yenengi ezokwazi ukuthatha indawo yayo njengenarha ezijameleko emndenini weentjhabatjhaba.

Funa ngekani amalungelo wakho njengesakhamuzi seSewula Afrika bewube nesibopho sokuvikela amalungelo wabanye abantu.

Ukwazi umThethomlingwa wamalungelo Kanye nomThethomlingwa weembopho.

*UZimu akavikele abantu bekhethu.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.*

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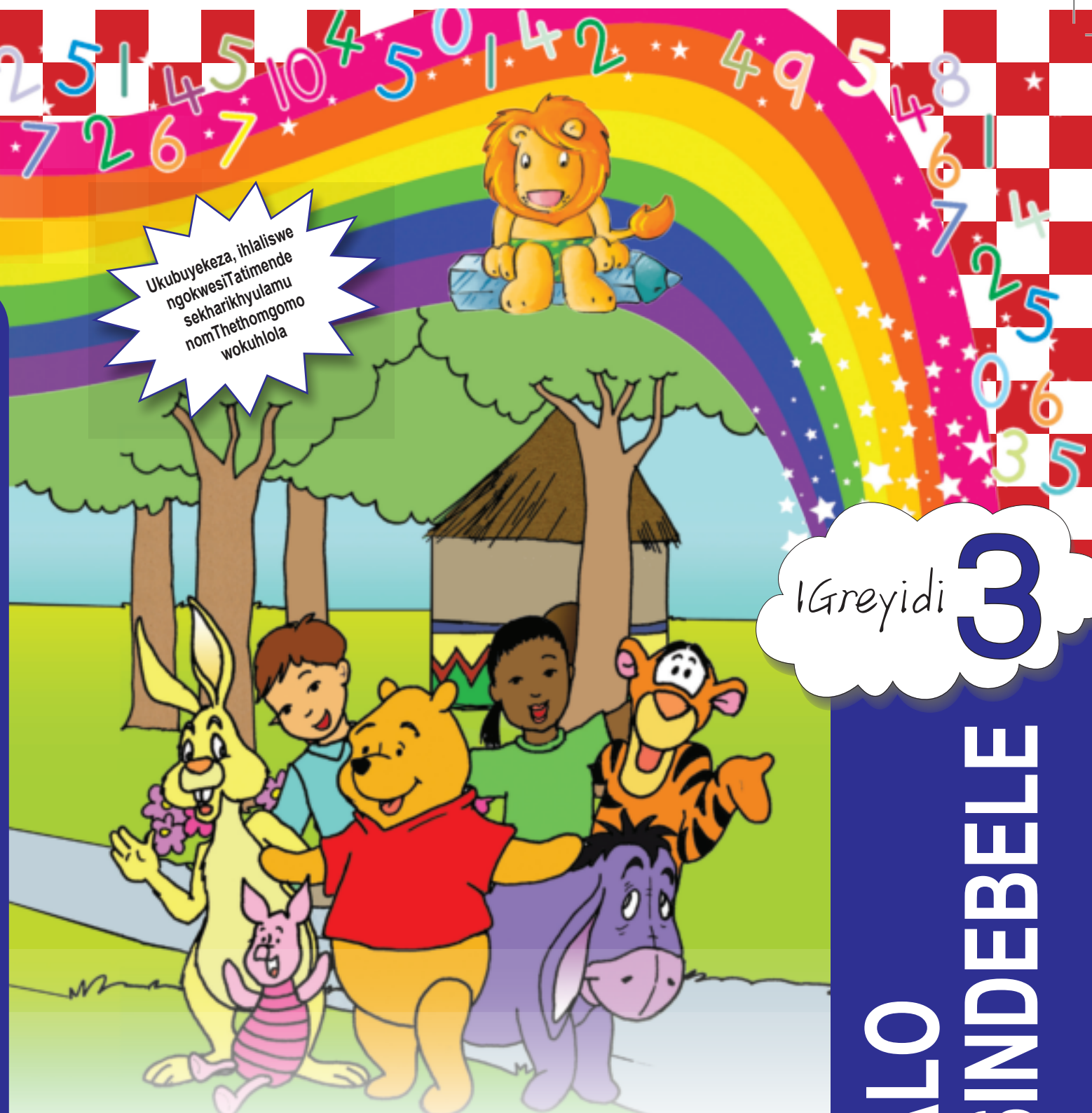


**MATHEMATICS IN ISINDEBELE
GRADE 3 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0151-9
THIS BOOK MAY NOT BE SOLD.
14th Edition**



IMBALO NGESINDEBELE – iGreyidi 3 Incwadi 2

ISBN 978-1-4315-0151-9



Ukubuyeleka, ihlaliswe ngokwesitimatimende sekharikhyulamu nomThethomlingwa wokuhlola

iGreyidi **3**

Ibizo: _____ Itlasi: _____

basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**IMBALO
NGESINDEBELE**

Incwadi 2
Ithemu
3 & 4

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UKkz. Angie Motshekga,
nguNqongqotjhe
weFundo-Sisekelo



Dorh. Reginah Mhaule,
nguSekela
kaNqongqotjhe
weFundo-Sisekelo

Iincwadi lezi zenzelwe abantwana beSewula Afrika ngaphasi koburholi bakaNqongqotjhe wezeFundo-Sisekelo uMma u-Angie Motshekga, kanye neSekela lakhe Dorh. Reginah Mhaule.

Iincwadi zokuSebenzela zakwaRainbow ziyingcinye yeendlela ezinengi zomNyango wezeFundo-Sisekelo wokungenelela onqophe ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili, iphrojekthi le isekelwe ngeemali ezibuya esiKhwameni seeMali seLizweloke. Lokhu kusize umNyango ukukhupha iincwadi zokusebenzela lezi ngawo woke amalimi asemthethweni ngaphandle kweendleko. Siyathemba kobana nizokufunyana iincwadi zokusebenzela lezi zilisizo khulu ekufundiseni kwenu kwangamalanga kanye nokuqinisekisa kobana abafundi benu bayayiqeda ikharikhyulamu.

Sitjheje khudlwana ukuhlahla abotitjhere komunye nomunye umsebenzi ngokusebenzisa iinthombe ezitjengisako bona ngikuphi umfundi amele akwenze.

Siyathemba kobana abantwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebefunda nje begodu wena titjhere uzokwabelana nabo ithabo lokufunda.

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

iGreyidi 3



Incwadi le ngeyaka - :



ISINDEBELE

Incwadi

2

65

Ilanga:

Iinomboro

ukusuka ku-500 ukufika ku-600

Ithemu 3



Bala bewutlole.

a. Bala ukusuka ku-500 ukufika ku-600.

Phimisa iinomboro nawulokhu uzibala.



								500
501			504					510
						518		
	522							
				536				
541							549	
						558		
		573						
						588		590
	592			595				600

b. Tlola iinomboro ezitlhayelako egridini engaphezulu.

c. Tlola iinomboro ezili-10 eziza ngemva kwaka-500.

500; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangakubili.

510; 512; _____; _____; _____; _____; _____; _____; _____

e. Tlola zoke iinomboro ngephetheni yangakubili ukusuka ku-548 ukufika ku-570.

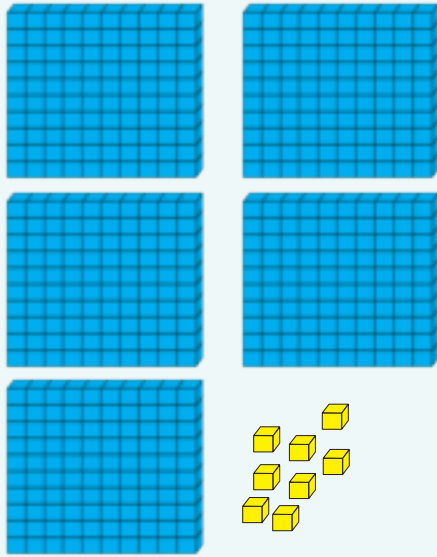
548; _____; _____; _____; _____; _____; _____; _____; _____; _____; 570

f. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-5.

515; 520; _____; _____; _____; _____; _____; _____; _____



Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.

540			543				547		549	
							597	598	599	
					597	598	599			



Qedelela itheyibula.

Tlola ukusuka kencani khulu ukuya kekulu khulu

Tlola ukusuka kencani khulu ukuya kekulu khulu

582, 586, 584, 581, 585		
566, 506, 560, 516, 506		



Tlola ngamagama.

520	
-----	--

Teacher:

Sign:

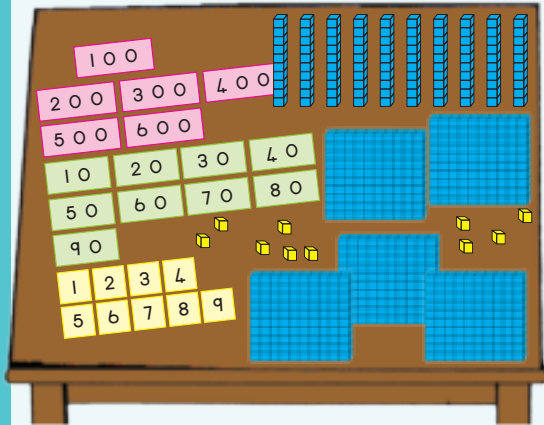
Date:

66

Ilanga:

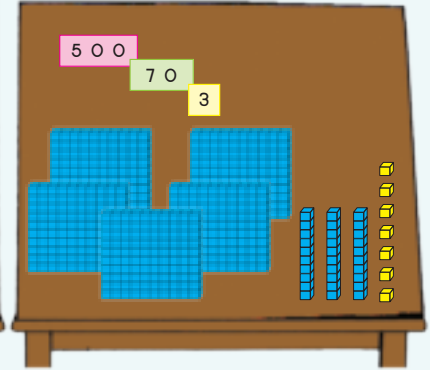
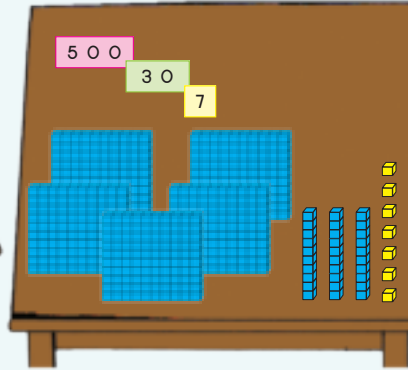
Ezinye inomboro ezisuka ku-500 zifike ku-600

Ithemu 3



Utijhere ubuza uPeter kobana atjengise inomboro ema-537 ngekarada lakhe kanye namabhlogo.

U-Aakar utjengise lokhu. Ngikuphi okungakalungi akwenzileko?



UPeter unamakarada anobukhulu bedijidi kanye nesisekelo setjhumi lamabhlogo.



Tlola umutjho weenomboro bese utlola nependulo.

$500 + 10 + 7 = 517$	<input type="text"/>	<input type="text"/>

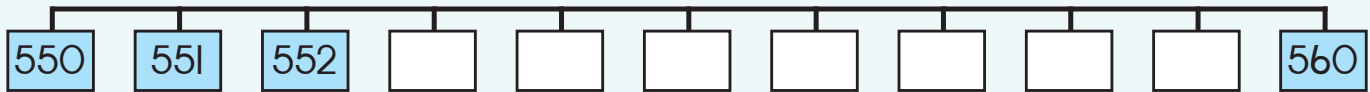


Tlola umutjho weenomboro bese utlola nependulo.

$500 + 70 + 3$	<input type="text"/>	<input type="text"/>
$=$	<input type="text"/>	<input type="text"/>



Qedelela inambalayini.



Tlola zoke iinomboro ezincani kunenomboro 556 _____

Tlola zoke iinomboro ezikulu kunenomboro 556 _____



Yehlukanisa inomboro yakho.

- Yakha enye nenye inomboro ngamakarada wakho.
- Tlola ubungako bedijidi ngayinye.

Ngemva kwalapho wehlukanise iinomboro zakho.

Kunamadijidi alitjhami.
0 1 2 3 4 5 6 7 8 9
Siwabeka ndawonye ukwenza iinomboro.

495	
508	
594	
549	
602	

Isibonelo: 517

500
10
7
517
517 = 500 + 10 + 7



Tlola amabizo weenomboro.

221	
486	
369	
419	
491	



Teacher: _____
Sign: _____
Date: _____

Iinomboro ukusuka ku-600 ukufika ku-700



Bala bewutlole.

a. Bala ukusuka ku-600 ukufika ku-700.

Phimisa iinomboro nawulokhu uzibala.

								600
601			604					610
						618		
	622							
				636				
641							649	
						658		
		673						
						688		690
	692			695				700



b. Tlola iinomboro ezitlhayelako egridini engaphezulu.

c. Tlola iinomboro ezili-10 eziza ngemva kwaka-600.

600; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangakubili.

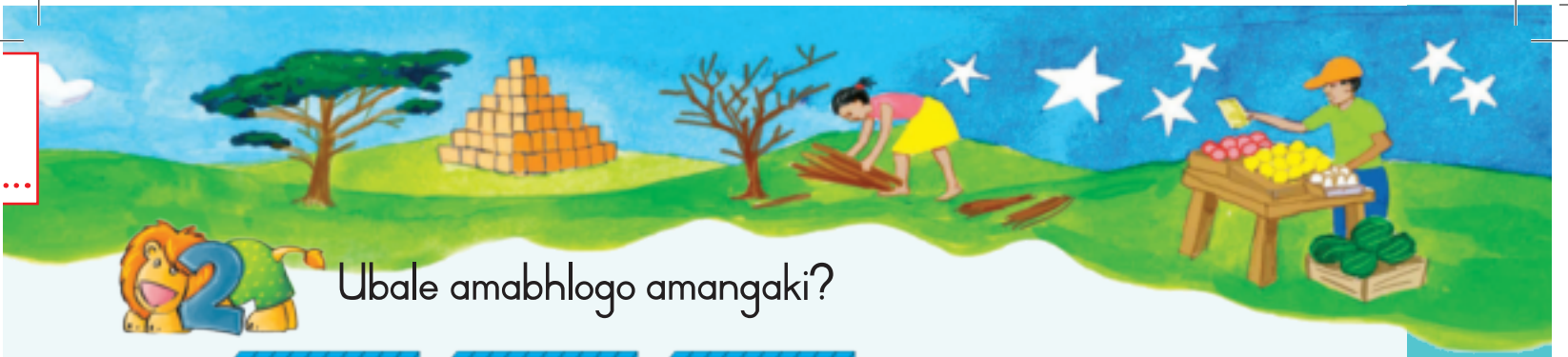
622; 624; 626; _____; _____; _____; _____; _____; _____

e. Tlola zoke iinomboro ngephetheni yangakubili ukusuka ku-611 ukufika ku-633.

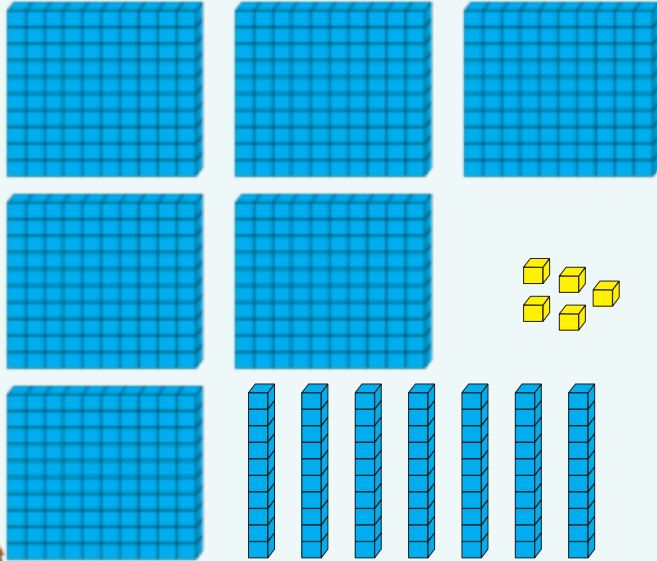
611; _____; _____; _____; _____; _____; _____; _____; _____; 633

f. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-5.

645; 650; 655; _____; _____; _____; _____; _____; _____



Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.

640			643				647		649	
							687	688	689	
					602	604	606			



Qedelela itheyibula.

Tlola ukusuka kencani khulu ukuya kekulu khulu

Tlola ukusuka kencani khulu ukuya kekulu khulu

672, 676, 674, 671, 675		
656, 605, 650, 615, 605		



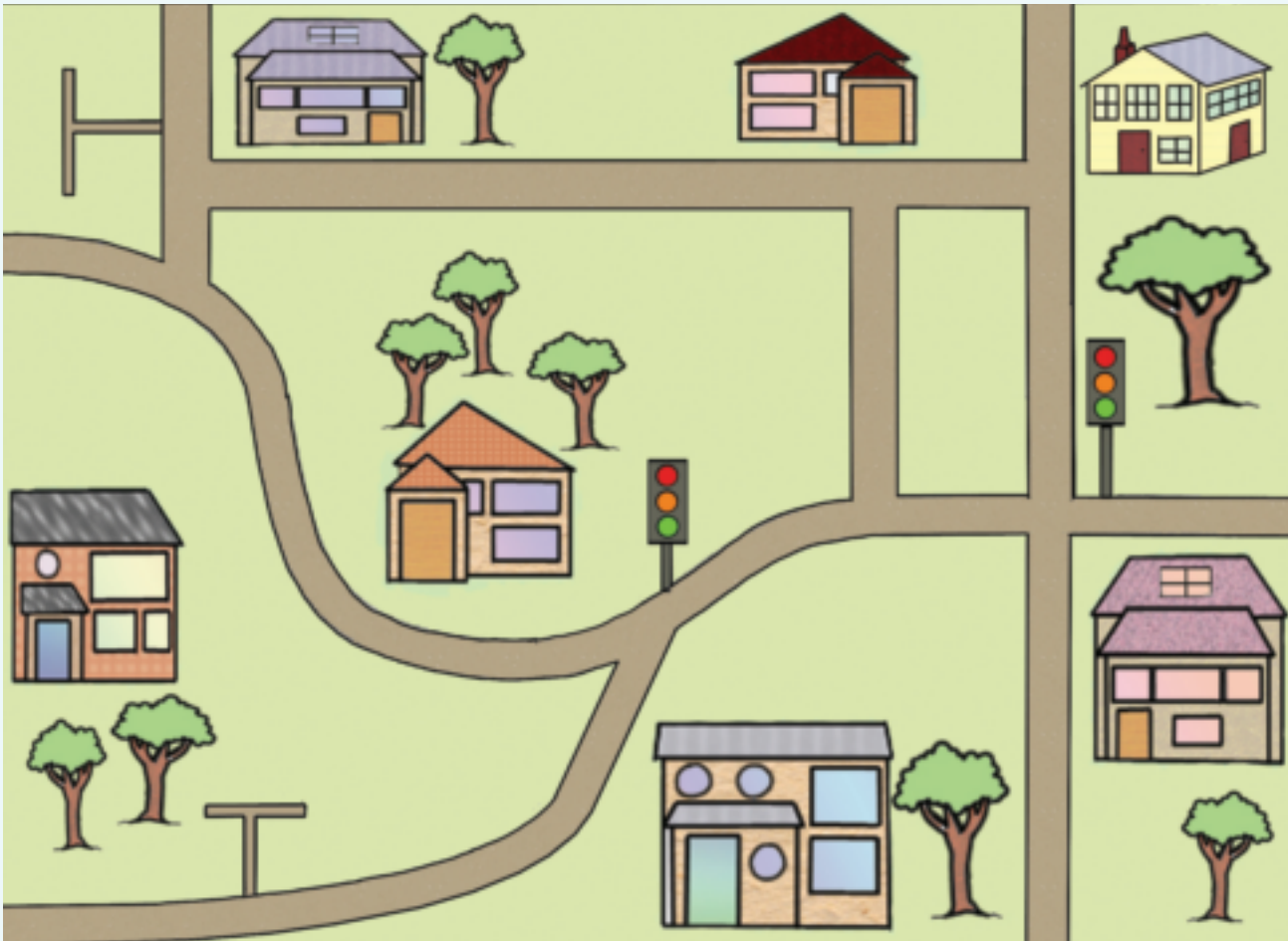
Tlola ngamagama.

631	
-----	--

Umebhe

Qala isithombe.

- Yini lokhu?
- Isetjenziselwa ukwenza ini?
- Yini esingayifunyana emebheni?



Gwala umebhe olandelako:

Onelayibhrari, isikolo, itlinigi, isibhedlela, isitetjhi samapholisa, iinthabathaba zeentolo. Ungangezelela ngeentrada ezinye.



Sebenzisa umebhe osekhasini elidlulileko ukulayela abangani bakho indlela ukusuka:

a. etlinigi ukuya esitetjhini samapholisa.

b. esikolweni ukuya etlinigi.

c. esikolweni ukuya eenthabathabeni zeentolo.

d. eenthabathabeni zeentolo ukuya elayibhrari.

e. elayibhrari ukuya esikolweni.

f. esibhedlela ukuya esikolweni.

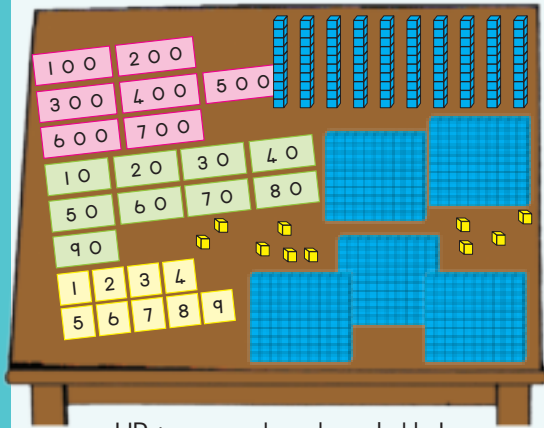


69

Ilanga:

Ezinye iinomboro kusuka ku-600 kufika ku-700

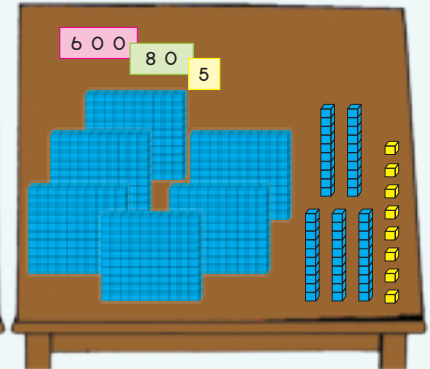
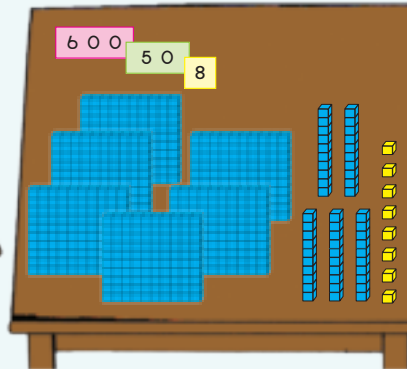
Ithemu 3



UPeter unamakarada anobukhulu bedijidi kanye nenomboro sisekelo yetjhumi lamabhlogo.

Utijhere ubawa uPeter kobana atjengise inomboro 658 ngamakarada kanye namabhlogo.

U-Aakar utjengise lokhu. Ngikuphi okungakalungi akwenzileko?



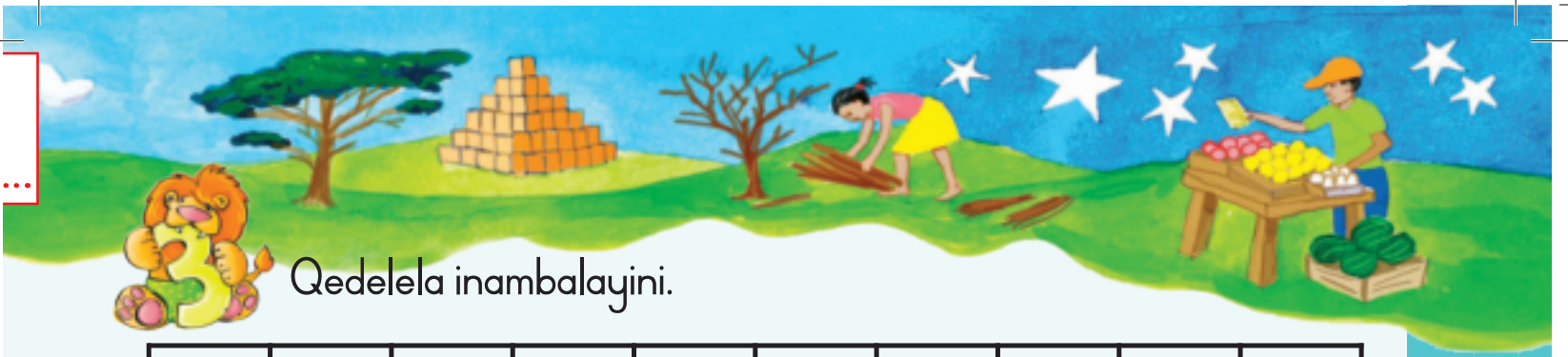
Tlola umutjho weenomboro bese utlola ipendulo.

$600 + 30 + 7 = 637$	<input type="text"/>	<input type="text"/>

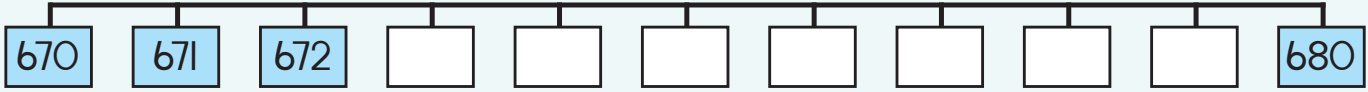


Tlola umutjho weenomboro bese utlola ipendulo.

$600 + 90 + 8$ $=$	$600 + 70$ <input type="text"/> <input type="text"/>	$600 + 50 + 8$ <input type="text"/> <input type="text"/>
-----------------------	--	--



Qedelela inambalayini.



Tlola zoke iinomboro ezincani khulu kunenomboro 675 _____.

Tlola iinomboro ezikulu khulu kunenomboro 675 _____.



Qedelela ngetshwayo $< \text{nanyana} > =$

- a. 670 _____ 607 b. 688 _____ 699
 c. $600 + 50 + 5$ _____ 655



Yehlukanisa iinomboro.

- a. Yakha inomboro ngayinye ngamakarada.
 b. Tlola ubungako bedijidi ngayinye. Ngemva kwalapho kghedlha inomboro yakho.

686	
690	
699	
673	
665	

Isibonelo: 632

6	0	0
3	0	
	2	
6	3	2

632 $600 + 30 + 2$



Tlola amabizo weenomboro.

672	
693	
607	
697	
660	



Teacher: _____
 Sign: _____
 Date: _____

70

Ilanga:

Iinomboro kusuka ku-650 kufika ku-750

Ithemu 3



Bala bewutlole.

a. Bala ukusuka ku-650 kufika ku-750.

Phimisa iinomboro nawulokhu uzibala.



						657				650
661									669	
		683		685						
		703								
			714							
		723				727				
741		743							749	750

b. Tlola iinomboro ezitlhayelako egridini engehla.

c. Tlola iinomboro ezili-10 eziza ngemva kwenomboro 650.

650; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangakubili.

605; 707; 709; _____; _____; _____; _____; _____; _____; _____

e. Tlola zoke iinomboro ngephetheni yangaku-3 kusuka enomborweni 719 kufika enomborweni 749.

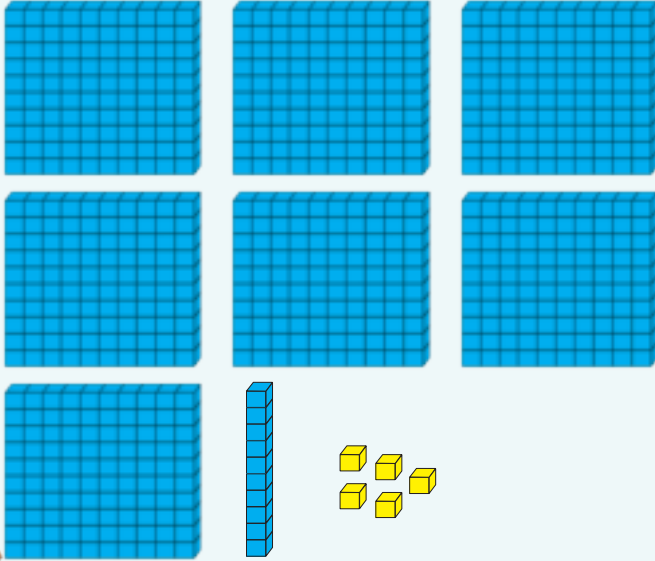
719; _____; _____; _____; _____; _____; _____; _____; _____; 749

f. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-5.

705; 710; 715; _____; _____; _____; _____; _____; _____; _____



Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.

700			703				707		709	
							746	747	748	
					706	711	716			



Qedelela itheyibula.

Tlola ukusuka kencani khulu ukuya kekulu khulu

Tlola ukusuka kekulu khulu ukuya kencani khulu

729, 720, 728, 721, 725		
659, 705, 607, 701, 706		



Tlola ngamagama.

706	
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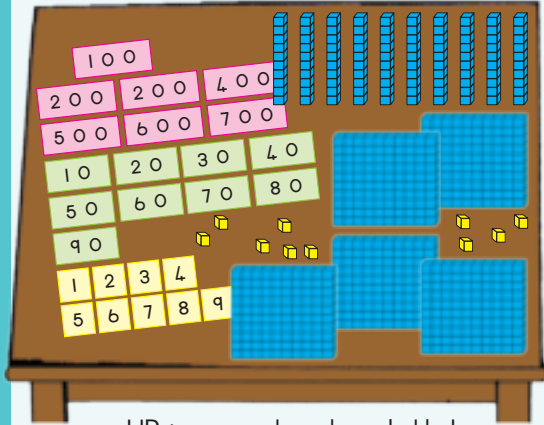
Teacher:

Sign:

Date:

Iinomboro kusuka ku-700 kufika ku-750

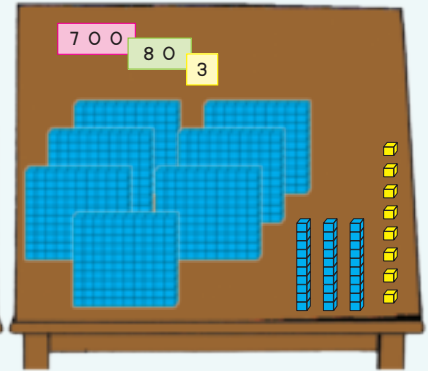
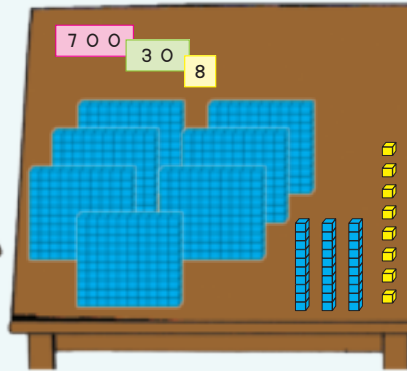
Ithemu 3



UPeter unamakarada anobukhulu bedijidi kanye nenomboro sisekelo yetjhumi lamabhlogo.

Utijhere ubawa uPeter kobana atjengise inomboro 738 ngamakarada kanye namabhlogo.

UJabu utjengise lokhu. Ngikuphi okungakalungi akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.

$700 + 40 + 3 = 743$		



Tlola umutjho weenomboro bese utlola ipendulo.

$700 + 40 + 5$ $=$	$700 + 30$ 	$700 + 9$
-----------------------	--------------------	-------------------



Qedelela inambalayini.

699	700	701								709
-----	-----	-----	--	--	--	--	--	--	--	-----

Nikela zoke iinomboro ezincani khulu kunenomboro 704. _____

Nikela iinomboro ezikulu khulu kunenomboro 704. _____



Qedelela < nanyana > =

- a. 750 _____ 749
- b. 732 _____ 723
- c. $700 + 40 + 9$ _____ 749



Yehlukanisa inomboro.

- a. Yakha enye nenye inomboro ngamakarada wakho.
- b. Tlola inani ledijidi lenye nenye idijidi. Ngemva kwalapho yehlukanisa inomboro yakho.

750	
728	
703	
730	
749	

Isibonelo: 747

7	0	0
4	0	
7		
7	4	7
747	$700 + 40 + 7$	



Tlola amabizo weenomboro.

714	
750	
742	
738	
704	



Teacher: _____

Sign: _____

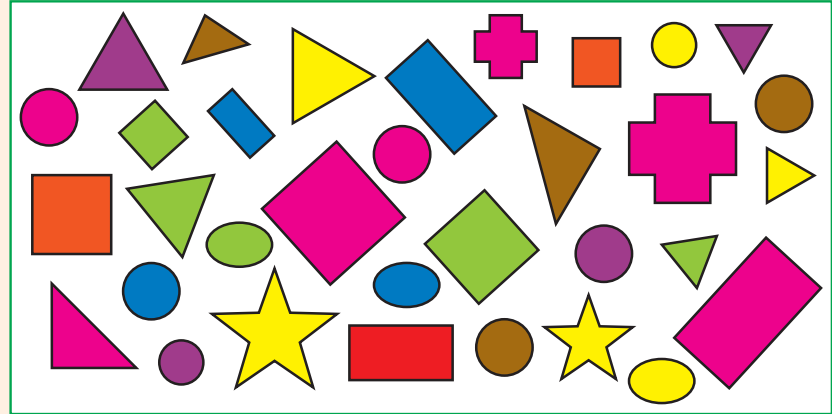
Date: _____



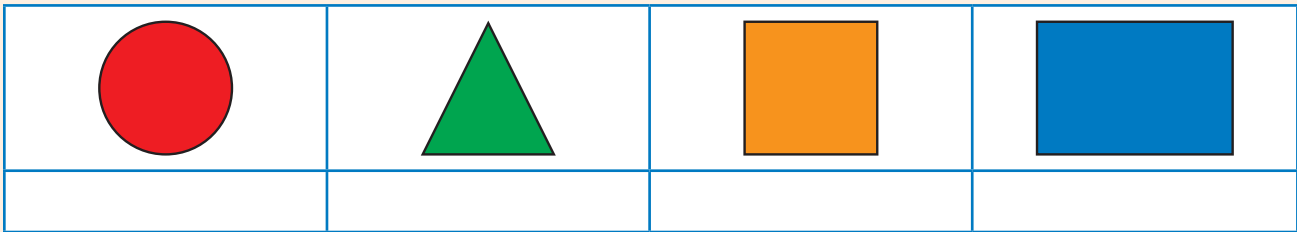
Izinto eziyi-2-D

Ithemu 3

Yitjho nangabe ijamo
linqophile nanyana
linamahlangothi
anqophileko.



Yitjho nangabe ijamo linetlobo enqophileko nanyana
itlobo eyindulunga.



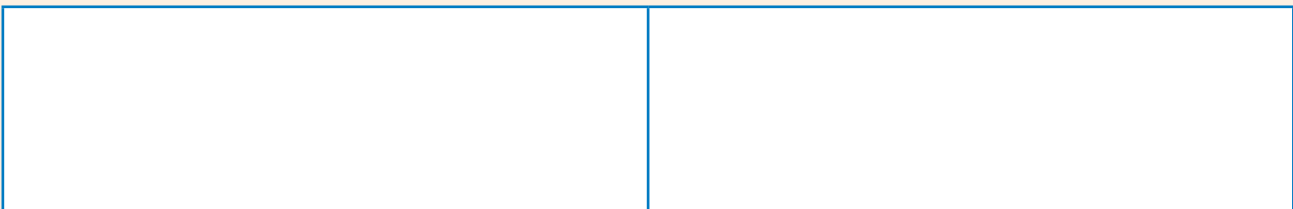
Ungagwala amabumbeko
amangaki ngamawejisi
anqophjileko.



Funyana iinthombe

Funyana amajamo anamatlobo
anqophileko bese uwadlulisa lapha.

Funyana amajamo anamatlobo anqophileko
bese uwadlulisa lapha.





Qedelela okulandelako:

	Gwala ijamo ngeendawo ezihlukeneko
uncantathu	
irekthengela	
isikwere	



Qedelela itheyibula:

	Yitjho ijamo	Gwala ijamo elingelincani khulu	Gwala ijamo elingelikhulu khulu



Funyana iinkwere, aboncantathu, amarekthengela kanye neeyingi/neendulunga zobukhulu obahlukeneko kibomegazini nanyana emaphhabhugwini. Zibeke lapha.



Teacher: _____

Sign: _____

Date: _____

Tlola iledere

Ienede ongayibhinca ukwenza isilinda

Ithemu 3



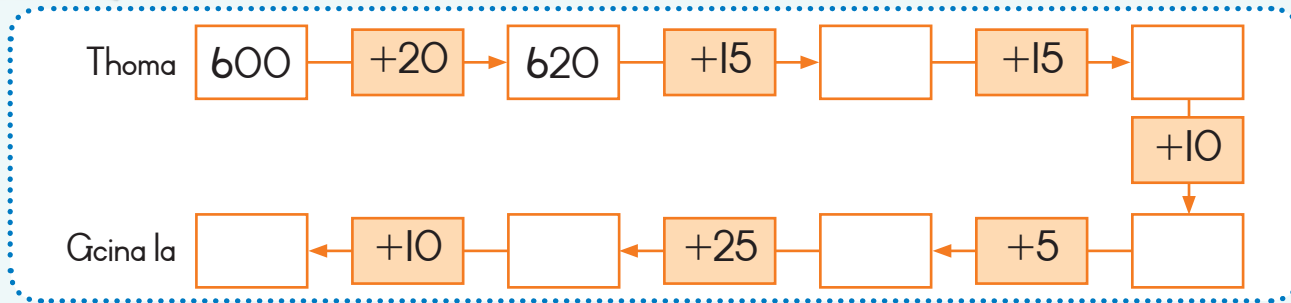
Ngingathenga ini ngemali ema-R500?

Ngiziphi izinto kilezi engingazithenga ngemali ema-R500 patsi?



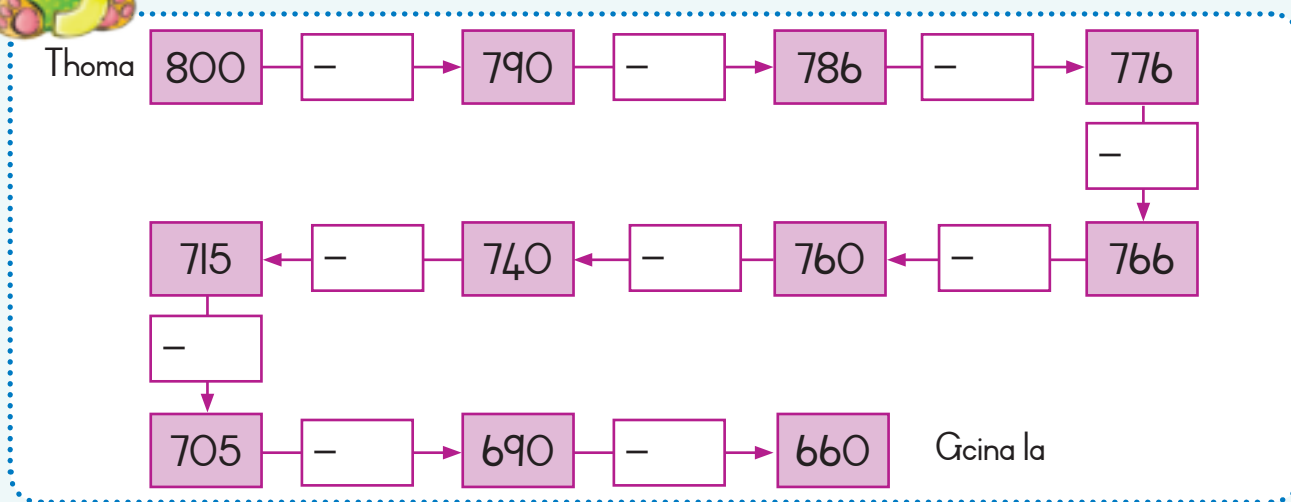
Hlanganisa uye phambili kusuka ku-600.

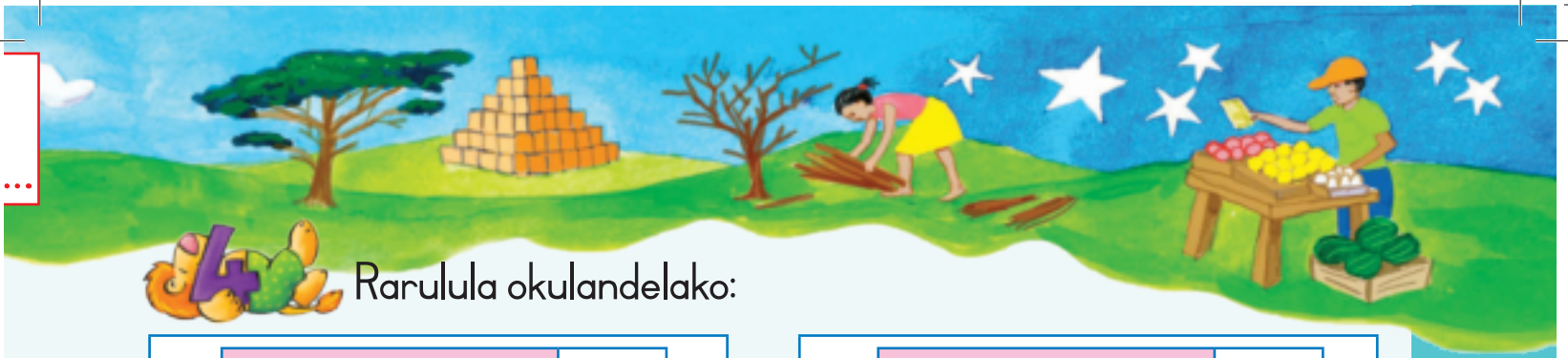
Tlola iinomboro ezitlhayelako.



Bala ubuyele emuva ukusuka ku-800.

Njalo tlola uti "itjhentjhi".





Rarulula okulandelako:

$$725 + 53 = \square$$

$$664 + 87 = \square$$

$$564 + 132 = \square$$

$$75 + 717 = \square$$



Rarulula okulandelako:

UJames ubuthelele amamabula ama-525.

Nangabe uSipho umnikela amanye amamabula ama-205, uJames uzokuba nenani lamamabula elilingana nelikaSipho.

- Omunye nomunye uzokuba namamabula amangaki?
- Ekuthomeni, uSipho bekanamamabula amangaki?

-
-



Ukuhlanganisa nokukhupha kufikela ku-800

Imindeni yeenomboro

Singenza imindeni yeenomboro. Omunye nomunye umndeni uneenomboro ezimbili ezikulu kanye neyodwa encani.

Sebenzisa iinomboro u-4, 8 no-12 njengesibonelo.

$$4 + 8 = 12$$

$$8 + 4 = 12$$

$$12 - 8 = 4$$

$$12 - 4 = 8$$



Funyana imindeni.

Tlola imitjho yeenomboro emine keliye nelinye ibuthelelelo leenomboro.

6 8 14				
17 17 34				
25 45 70				
65 335 400				
240 260 500				



Yeleda izinto ezihlanganisako.

Emsebenzini lo sizokuveza amaphetheni.

$360 - 50 = \square$	$50 + \square = 360$	$\square + 50 = 360$
$570 - 480 = \square$	$480 + \square = 570$	$\square + 480 = 570$
$430 - 31 = \square$	$31 + \square = 430$	$\square + 31 = 430$
$676 - 70 = \square$	$70 + \square = 676$	$\square + 70 = 676$
$799 - 701 = \square$	$701 + \square = 799$	$\square + 701 = 799$



Ikhambo elide.

UNom. Mkhize uyatjhayela uyokuvakatjhela unina ohlala kude pheze ebangeni elima-352 km. Uyaphumula qjame ebangeni elili-166 km. Usasalelwe kukhamba ibanga elingangani?

UKumi wenza lokhu:	UPhumla utlola lokhu:
$352 - 166$ $+4 \quad +30 \quad +100 \quad +52$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 300 + 50 + 2$ $- 100 + 60 + 6$ $= 300 + 40 + 12$ $- 100 + 60 + 6$ $= 200 + 140 + 12$ $- 100 + 60 + 6$ $= 100 + 80 + 6$ $= 186 \text{ km}$
UMbali wenza lokhu:	UPeter wenza lokhu:
$352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
UVeronica wenza lokhu:	ULebo ucabanga ngokubuyelelwe kabili kanye nokuhafula:
$352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	Ihafu yaka-352 yi-176 Kodwana kumele ngithathe nje kwaphela i-166, okutjho kobana ngihlanganise godu ne-10. $176 + 10 = 186 \text{ km}$

Khuluma ngeendlela ezahlukileko. Wena ngiyiphi indlela oyithanda khulu? Kungani?



Rarululela okulandelako lokhu esiqetjhaneni sephepha:

Sebenzisa nanyana ngiyiphi yeendlela ezingehla.

$$746 - 328$$

$$800 - 499$$



Okhunye ukuhlanganisa

kanye nokukhupha ukufika ku-800



Zakhele zakho iinomboro zemindeni.

Umsebenzi wokuzijayeza.

5 12 17



$$5 + 12 = 17$$

$$12 + 5 = 17$$

$$17 - 12 = 5$$

$$17 - 5 = 12$$

Isibonelo: Yakha u-17

$$8 + 9 = 17$$

$$9 + 8 = 17$$

$$17 - 9 = 8$$

$$17 - 8 = 9$$

8 9 17



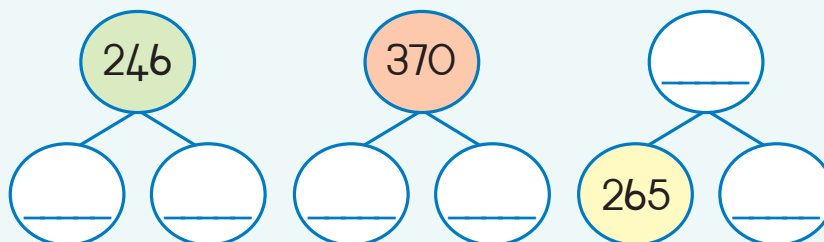
Kenye nenye inomboro kezingenzasi, khetha ezinye ezimbili ukwakha umndeni. Tlola imitjho yeenomboro emine (emibili + kanye nemibili -) kenye nenye inomboro yomndeni.

Hlolisa!
Madanisa! Lungisa!

			+	+	-	-
16	7	9	$7 + 9 = 16$	$9 + 7 = 16$	$16 - 9 = 7$	$16 - 7 = 9$
20						
200						
75						
50						
500						
190						



Funya inomboro etlhayelako ebuyelelwe kabili nanyana ehafuliweko.





Ukuhafula ukuze ukhuphe.

Nangabe wazi ukuhafula kanye nokubuyelela kabili, ngesinye isikhathi ungakusebenzisa nawuhlanganisako nanyana nawukhuphako. **Isibonelo:**

$34 - 18 = 16$	$190 - 97$	$65 + 69$	$242 + 249$
$34 - 17 = 17$	$190 - 95 = 95$	$65 + 65 = 130$	$= 242 + 242 + 7$
$17 - 1 = 16$	$95 - 2 = 93$	$130 + 4 = 134$	$= 484 + 7$
			$= 491$

Kwanje linga lokhu:

$340 - 176$	$145 + 148$	$900 - 452$
-------------	-------------	-------------



Fundisisa iindlela.

Ebantwaneni abama-256 omunye nomunye wabo ufunyana isipho sakaKresimusi. Ihafu yabo ifunyana abonopopi bese ihafu ifunyane iinkoloyana zokudlala. Bangaki abafunyana iinkoloyana?

Indlela yoku-1	Indlela yesi-2
$256 = 200 + 50 + 6$ → Ihafu yaka-200 yi-100 → Ihafu yaka-50 yi-25 → Ihafu yaka-6 yi-3 $100 + 25 + 3 = 128$ → Ihafu yaka-256 yi-128 Okutjho kobana abentwana abali-128 bafunyana iinkoloyana.	→ Ihafu yaka-250 = 125 → Ihafu yaka-6 yi-3 $125 + 3 = 128$ → Ihafu yaka-256 yi-128 Okutjho kobana abentwana abali-128 bafunyana iinkoloyana.



Rarululela okulandelako lokhu esiqetjhaneni sephepha:

Sebenzisa nanyana ngiyiphi yeendlela ezingehla.

Umntwana omunye nomunye kabama-728 ufunyana isidlalisi esitolo sendawo esithengisa ukudla. Ihafu yabentwana ifunyane amabhlogo wokwakha. Bangaki abentwana abafunyane amabhlogo wokwakha?

Omunye nomunye umntwana kabama-642 ufunyane ikhekhe. Ihafu yabo ifunyane umtletlana wetjhokoleli yemafini. Bangaki abafunyane umtletlana wetjhokoleli yemafini?



76

Ilanga:

Amaphetheni weenomboro: amatjhumi ukufika ku-800

Ithemu 3



Ungathini ngeenomboro ezingemabhlogweni afiphaziweko?

Bala amatjhumi ukusuka ku-710 ukufika ku-800.

Ngijiphi inomboro eza ngemva kwaka-720 lokha nawubala ngamatjhumi?

Bala ubuyele emuva ngamatjhumi usuke ku-800 uyokufika ku-710.

Ngijiphi inomboro eza ngaphambi kwaka-760 lokha nawubalako ubuyela emuva?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Qedelela iinomboro zemitjho.

720; 730; 740; _____; _____; _____ 800; 790; 780; _____; _____; _____



Ukuhlanganisa nanyana ukukhupha ngamatjhumi.

1. Hlanganisa netjhumi kile inomboro onikelwe yona.
Sewenzelwe isibonelo.

a. $767 + 10 = 777$

b. 762 _____ c. 783 _____ d. 756 _____ e. 714 _____ f. 799 _____



2. Khupha itjhumu kile inomboro onikelwe yona. Sewenzelwe isibonelo.

a. $767 - 10 = 757$

b. 762 _____	c. 783 _____	d. 756 _____	e. 714 _____	f. 799 _____
--------------	--------------	--------------	--------------	--------------

3. Kwenzeka ini lokha nawuhlanganisako nanyana nawukhupha itjhumu eenomborweni ezingehla?



Qalisisa iiyingi ezibomvu ebhodini leenomboro.

a. Ngikuphi okuyelelako ngeeyingi lezi? _____

b. Yelula ukulandelana kweenomboro

ezilandelako:

704; 714; 724; _____ ; _____ ; _____

715; 725; 735; _____ ; _____ ; _____

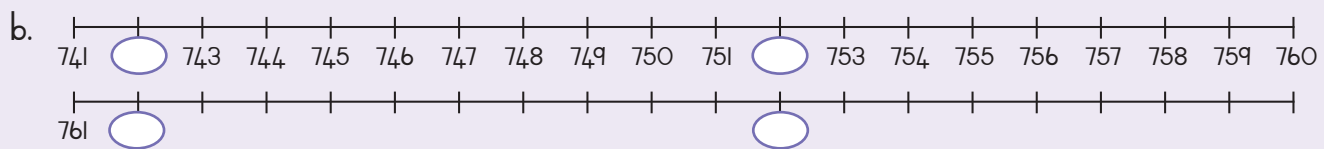
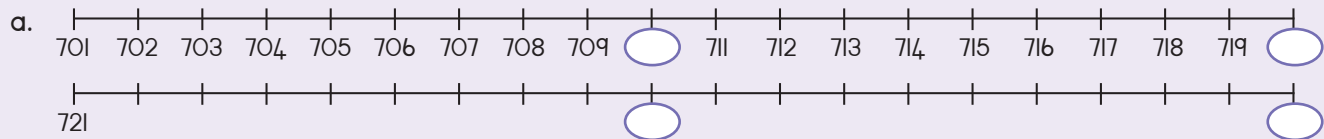
799; 789; 779; _____ ; _____ ; _____

782; 772; 762; _____ ; _____ ; _____

737; 747; 757; _____ ; _____ ; _____



Qedelela ngenomboro enembako komunye nomunye umzombe wamanambalayini alandelako.



Nginenomboro enamadijidi ama-3.

Idijidi yokuthoma ngu-7, elandelako yinomboro enobukhulu obubodwa kunekhomba, bese idijidi lokugcina kube yinomboro engaphasi kuka-7 ngokukodwa.

Nangabe uyabala uya phambili ngamatjhumu ukusuka enomborweni le, inomboro le izokuba yini?



Teacher: _____
 Sign: _____
 Date: _____

Ilanga: _____

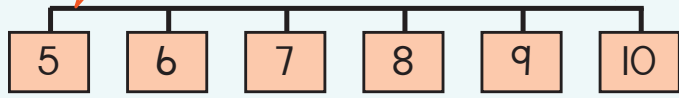
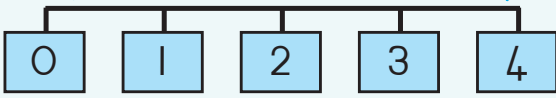
77

Ukutjhideza etjhumini

Ithemu 3

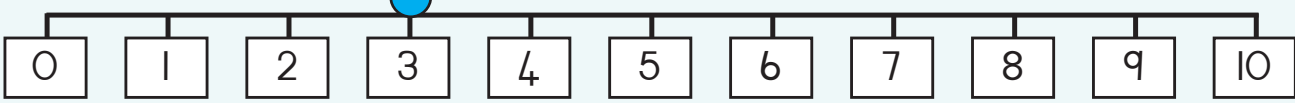
Zoke iinomboro kusuka ku-4 ukuya emuva zizokutjhidezwa eqandeni.

Zoke iinomboro kusuka ku-5 ukuya phambili zizokutjhidezwa etjhumini.

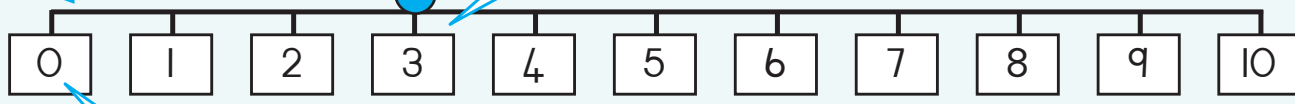


Asikhulume.

Qala inomboro 3 kunambalayini.



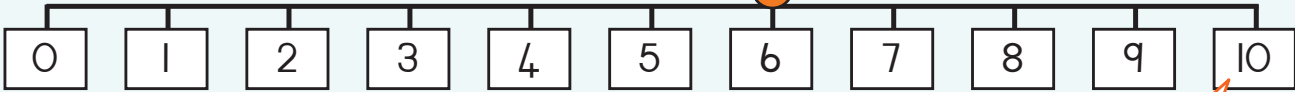
U-3 uzokuba yini lokha nakatjhidezwa etjhumini eliseduze?



U-3 nakatjhidezwa etjhumini eliseduze uzokuba liqanda.

U-6 uzokuba yini lokha nakatjhidezwa etjhumini eliseduze?

Yenza okufanako nangalokhu:



Ipendulo kuzokuba ngu-10.

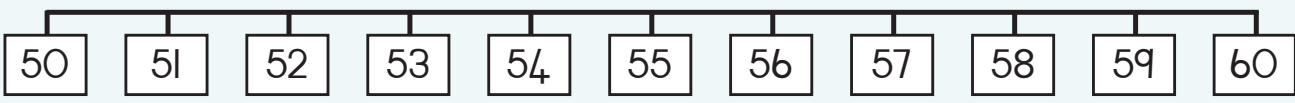


Tjhideza etjhumini eliseduze.

U-12 nakatjhidezwe eduze ipendulo yini? _____ U-19 nakatjhidezwe eduze ipendulo yini? _____



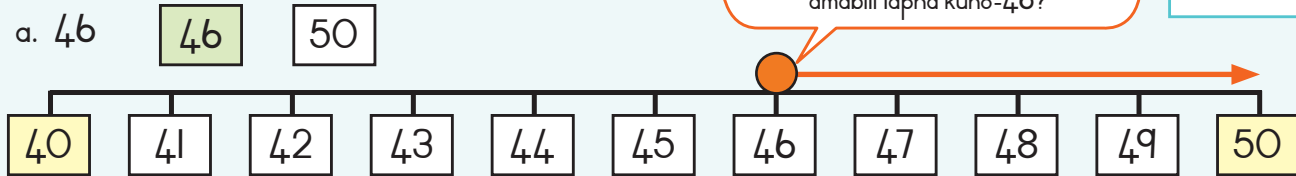
U-53 nakatjhidezwe eduze ipendulo yini? _____ U-58 nakatjhidezwe eduze ipendulo yini? _____



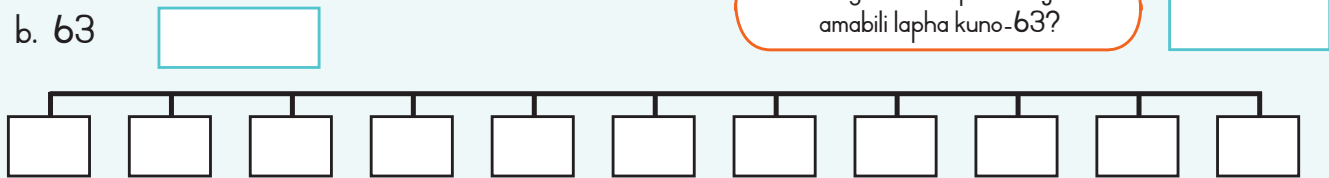


Tjhideza etjhumini eliseduze ngokugwala inambalayini yakho.

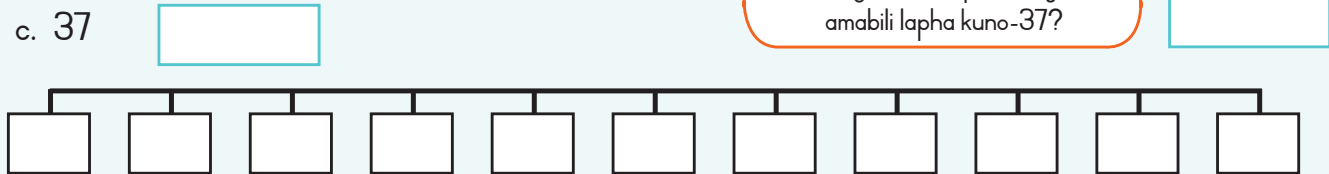
a. 46



b. 63



c. 37



d. 99



UTom unemali ema-R48,00

Ipaka yamakarada awabuthelako ibiza ama-R5,00.

Angathenga iimpakana zamakarada ezingaki ngemali ema-R48,00? _____



Teacher: _____
 Sign: _____
 Date: _____

Ukubuyabuyelela: okuhlani kufika kuma-75

Ithemu 3

Ngikuphi okuza
ngakuhlani?

Imino yesandla esisodwa.



Qedelela itheyibula.

Mingaki imino:

Ezandleni ezi-2?

Ezandleni ezi-3?

Ezandleni ezi-4?

Ezandleni ezi-5?

Ezandleni ezi-6?

Ezandleni ezi-7?

Ezandleni ezi-8?

Ezandleni ezi-9?

Ezandleni ezi-10?

Madanisa ipendulo

nombuzo ngesinceleni:

$$9 \times 5 = 45$$

$$7 \times 5 = 35$$

$$2 \times 5 = 10$$

$$4 \times 5 = 20$$

$$3 \times 5 = 15$$

$$5 \times 5 = 25$$

$$10 \times 5 = 50$$

$$6 \times 5 = 30$$

$$8 \times 5 = 40$$

Ukubuthelela	Ukubuyabuyelela	Ukwabelana	Hlukanisa
Amabuthelelo ama-2 wangaku-5	$2 \times 5 = 10$	Yaba okuli-10 hlangana kwaba-5	$10 \div 5 = 2$
Amabuthelelo ali-7 wangaku-5		Yaba okuma-35 hlangana kwaba-5	
Amabuthelelo ali-12 wangaku-5		Yaba okuma-60 hlangana kwaba-5	
Amabuthelelo ali-15 wangaku-5		Yaba okuma-75 hlangana kwaba-5	



Qedelela itheyibula.

Ukwabelana	Hlukanisa
Yaba okuli-12 hlangana kwaba-5	$12 \div 5 = 2$ isalela ngu-2
Yaba okuma-64 hlangana kwaba-5	
Yaba okuma-39 hlangana kwaba-5	
Yaba okuma-73 hlangana kwaba-5	



Qedelela umgwalo owehlako.

okufakako

11
12
13
14
15

umthetho

$\times 5$

okufunyanako

okufakako

16
17
18
19
20

umthetho

$\times 5$

okufunyanako

okufakako

5
10
15
25
30

umthetho

$\div 5$

okufunyanako

okufakako

55
60
65
70
75

umthetho

$\times 5$

okufunyanako



Qedelela itheyibula elingenzasi:

\times	1	2	3	4	5	6	7	8	9	10
5										

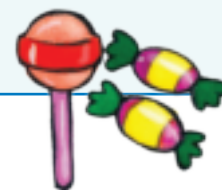
\times	11	12	13	14	15	16	17	18	19	20
5										

Uzisebenze njani iimpendulo ekumele zitlolwe ngemabhlogweni ahlaza sasibhakabhaka?



Rarulula okulandelako:

Umma uthenge iimpaka zamaswidi ngenani elima-R70.
Ubhadele ama-R5 ipaka ngayinye.
Umma uthenge iimpaka zamaswidi ezingaki?



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Amaphetheni weenomboro: ngakuhlani bekufike ku-800



Ungathini ngeenomboro ezingemabhlogweni anombala o-orentji?

Bala ngakuhlani usuke ku-705 uyokufika ku-800.

Ngijiphi inomboro eza ngemva kwaka-720 lokha nawubala ngakuhlani?

Bala uye emuva ngakuhlani ukusuka ku-800 uyokufika ku-705.

Ngijiphi inomboro eza ngaphambi kwaka-730 lokha nawubala uya emuva?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Qedelela imitjho yeenomboro.

725; 730; 735; _____; _____; _____

800; 795; 790; _____; _____; _____



Hlanganisa nanyana ukhuphe ngakuhlani.

l. Hlanganisa inomboro onikelwe yona nakuhlani.

Sewenzelwe inomboro yokuthoma njengesibonelo.

$$a. 760 + 5 = 765$$

b. 725 _____

c. 780 _____

d. 755 _____

e. 715 _____

f. 790 _____



2. Khupha okuhlana enomborweni onikelwe yona.
Sewenzelwe inomboro yokuthoma njengesibonelo.

a. $765 - 5 = 760$

b. 760 _____	c. 785 _____	d. 750 _____	e. 715 _____	f. 790 _____
--------------	--------------	--------------	--------------	--------------

3. Kwenzeka ini lokha nawuhlanganisa nanyana ukhupha okuhlana kilezi iinomboro ezingehla?



Qalisisa iidingi ezibomvu ebhodini leenomboro.

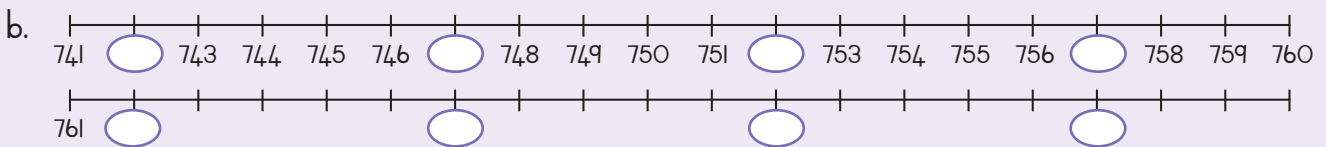
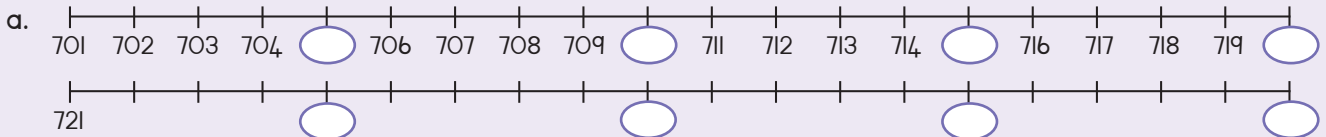
a. Ngikuphi okuyelelako ngeeyingi lezi? _____

b. Yelula ukulandelana kweenomboro
ezilandelako:

701; 706; 711; _____ ; _____ ; _____
703; 708; 713; _____ ; _____ ; _____
722; 727; 732; _____ ; _____ ; _____
753; 758; 763; _____ ; _____ ; _____
714; 719; 724; _____ ; _____ ; _____



Qedelela ngenomboro enembako emzombeni ngamunye wamanambalayini.



Nginenomboro enamadijidi ama-3.

Idijidi yokuthoma ngu-7, elandelako yinomboro enobukhulu obubodwa kunekhomba, bese idijidi lokugcina kube yinomboro engaphasi kuka-7 ngokuhlana.

Nangabe uyabala uya phambili ngokuhlana ukusuka enomborweni le, inomboro le izokuba yini?

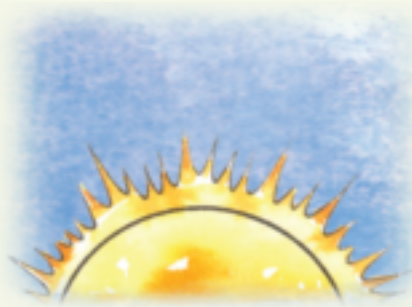
Teacher: _____
Sign: _____
Date: _____

80

Ilanga:

Ubusuku kanye nemini

Ithemu 3



eCape Town

Itheyibula elingenzasi litjengisa ukuphuma nokutjhinga kwelanga ngeenkhathe ezahlukeneko zomnyaka eCape Town. Funda iinkhathi etheyibuleni bese uqedelela itheyibula ngaphambi kokuphendula imibuzo engenzasi.



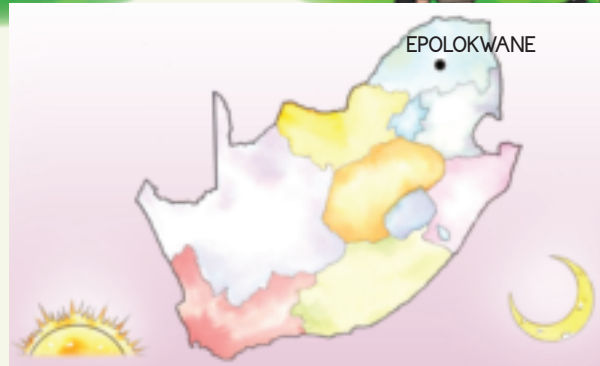
eCape Town	Ukuphuma kwelanga	Ukutjhinga kwelanga	Ubude belanga	Ubude bobusuku
Mhla amalanga ama-23 kuMatjhi	6:53 am	6:53 pm		
Mhla amalanga ama-21 kuJuni	7:51 am	5:44 pm		
Mhla amalanga ali-19 kuSeptemba	6:41 am	6:41 pm		
Mhla amalanga ama-22 kuDisemba	5:32 am	7:58 pm		

- Ngiziphi iinyanga ezinamalanga alingana nobusuku ngobude? _____
- Ngiziphi iinyanga enamalanga amade? _____
- Ngiziphi iinyanga enamalanga amafitjhani? _____
- Funyana umehluko okhona phakathi **kwama-iri kunye** nemizuzu phakathi kwamalanga amade namalanga amafitjhani. _____
- Funyana ubude belanga kanye nebusuku elangeni elinye nelinye etheyibulini elingehla. _____



EPolokwane

Itheyibula le itjengisa iinkhathi zokuphuma nokutjinga kwelanga ngeenkhathi ezahlukeneko zomnyaka ePolokwane. Fundisisa iinkhathi etheyibuleni bese uqedelela okulandelako etheyibulini ngaphambi kokuphendula imibuzo engenzasi.



EPolokwane	Ukuphuma kwelanga	Ukutjinga kwelanga	Ubude belanga	Ubude bobusuku
Mhla amalanga ama-25 kuMatjhi	6:08 am	6:08 pm		
Mhla amalanga ama-21 kuJuni	6:44 am	5:24 pm		
Mhla amalanga ali-17 kuSeptemba	5:57 am	5:57 pm		
Mhla amalanga ama-22 kuDisemba	5:13 am	6:50 pm		

- Kungaziphi iinyanga lapha ubusuku kanye nemini kulingana khona?

- Kungaziphi iinyanga lapha ubude belanga bulingana khona eCape Town kanye nePolokwane?

- Kungaziphi iinyanga lapha ubude belanga buhluke khona? _____
- Funyana umehluko ngama-iri kanye nemizuzu hlangana kwelanga elide khulu kanye nelanga elifitjhani khulu. _____
- Funyana **ubude belanga** kanye ne**busuku** elangeni elinye nelinye etheyibulini elingehla.



Bawa omunye akusize ufunyane iinkhathi zokuphuma kanye nokutjinga kwelanga endaweni yangekhenu. Tlola phasi iinkhathi lezo bekuphele iveke eyodwa. Ingabe amalanga aba made nanyana aba mafitjhani?



Teacher: _____

Sign: _____

Date: _____

Ukubuyabuyelela: ngakubili bekufike ku-75

Ngikuphi okuza
ngakubili?
Ipara yinye
yamanyathelo.



Mangaki amanyathelo:

Ipara yinye yamanyathelo?

Iimpara ezi-2 zamanyathelo?

Iimpara ezi-3 zamanyathelo?

Iimpara ezi-4 zamanyathelo?

Iimpara ezi-5 zamanyathelo?

Iimpara ezi-6 zamanyathelo?

Iimpara ezili-7 zamanyathelo?

Iimpara ezibu-8 zamanyathelo?

Iimpara ezili-9 zamanyathelo?

Iimpara ezili-10 zamanyathelo?

Madanisa isibalo nombuzo
ongesinceleni.

$$1 \times 2 = 2$$

$$9 \times 2 = 18$$

$$7 \times 2 = 14$$

$$2 \times 2 = 4$$

$$4 \times 2 = 8$$

$$3 \times 2 = 6$$

$$5 \times 2 = 10$$

$$10 \times 2 = 20$$

$$6 \times 2 = 12$$

$$8 \times 2 = 16$$

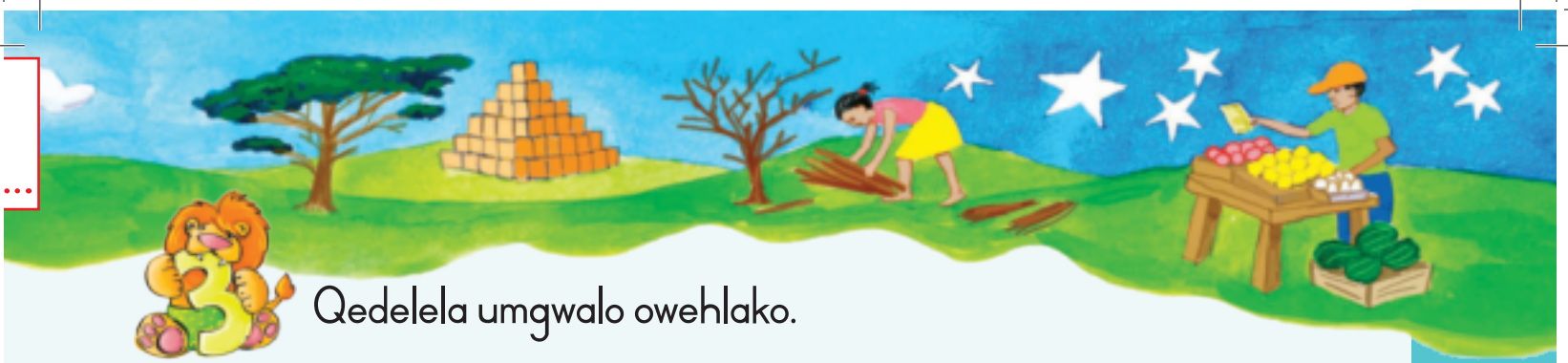
Qedelela itheyibula.

Amabuthhelelo	Ukubuyabuyelela	Ukwaba	Ukwehlukana
Amabuthhelelo ali-10 wangaku-2	$10 \times 2 = 20$	Yaba ama-20 hlangana kokubili-2	$20 \div 2 = 10$
Amabuthhelelo ali-15 wangaku-2		Yaba ama-30 hlangana kokubili-2	
Amabuthhelelo ama-20 wangaku-2		Yaba ama-40 hlangana kokubili-2	
Amabuthhelelo ama-35 wangaku-2		Yaba ama-70 hlangana kokubili-2	



Qedelela itheyibula.

Ukwaba	Hlukanisa
Yaba ama-21 hlangana kokubili-2	$21 \div 2 = 10$ isalela ngoku-1
Yaba ama-33 hlangana kokubili-2	
Yaba ama-67 hlangana kokubili-2	
Yaba ama-75 hlangana kokubili-2	



Qedelela umgwalo owehlako.

okufakiweko umphumela

11	umthetho $\times 2$	
15		
17		
17		
20		

okufakiweko umphumela

22	umthetho $\times 2$	
26		
31		
30		
35		

okufakiweko umphumela

20	umthetho $\div 2$	
26		
32		
38		
44		

okufakiweko umphumela

50	umthetho $\times 2$	
60		
68		
72		
74		



Qedelela amatheyibula angenzasi:

\times	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
2																					

\times	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
2																	



Rarulula okulandelako:

Ngithenge amaswidi wamalolipopo ama-36 ngemali ema-R2.
Ngibhadele ngemali ema-R50, R20 kanye neyisimbi ema-R5.
Kube yimalini itjhentjhi yami?



Teacher: _____
Sign: _____
Date: _____

Amaphetheni weenomboro: zangakubili kufika ku-800



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

Bala ngakubili ukusuka kuma-700 ukufika kuma-800 Ngiyiphi inomboro eza ngemuva kwama-700 lokha nawubala ngakubili?

Bala ubuyele emuva ngakuhlano ukusuka ku-800 ukufika ku-710. Ngiyiphi inomboro eza ngaphambi kwama-750 lokha nawubala ubuyela emuva?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Qedelela ukulandelana kweenomboro.

720; 722; 724; _____; _____; _____

800; 798; 796; _____; _____; _____



Hlanganisa nanyana ukhuphe okubili.

- I. Hlanganisa okubili enomborweni oyinikelweko. Sewenzelwe isibonelo.

a. $764 + 2 = 766$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



2. Khupha okubili enomborweni enikelweko. Sewenzelwe isibonelo.

a. $764 - 2 = 762$

- | | | | | |
|--------|--------|--------|--------|--------|
| b. 762 | c. 783 | d. 756 | e. 714 | f. 799 |
|--------|--------|--------|--------|--------|

3. Kwenzeka ini lokha nawukhuphako nanyana nawuhlanganisa okubili eenomborweni ezingehla?



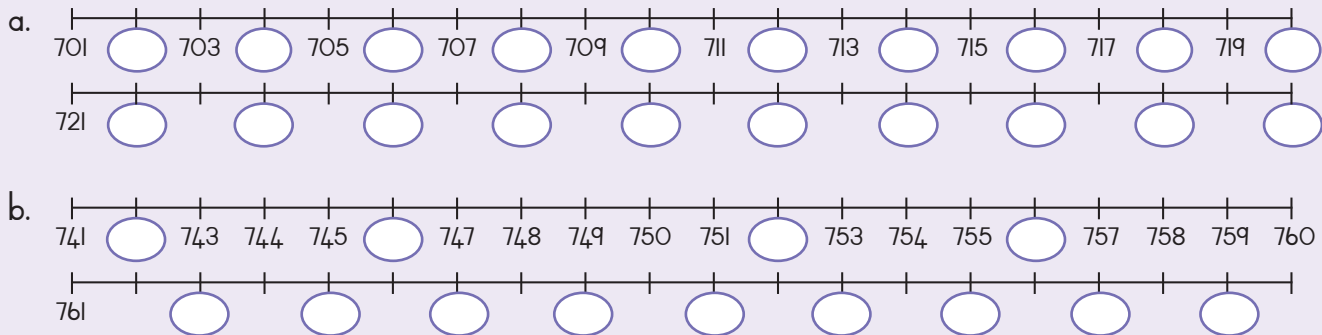
Qala iiyingi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyelalako ngeeyingi lezi? _____

- b. Yelula ukulandelana kweenomboro ezilandelako:
- | |
|--------------------------------------|
| 799; 797; 795; _____ ; _____ ; _____ |
| 783; 785; 787; _____ ; _____ ; _____ |
| 701; 703; 705; _____ ; _____ ; _____ |
| 779; 781; 783; _____ ; _____ ; _____ |
| 725; 727; 729; _____ ; _____ ; _____ |



Qedelela ngenomboro enembako kesinye nesinye isiyingi kumanambalayini alandelako.



Nginenomboro enamadijidi ama-3.

Idijidi yokuthoma ngu-7, elandelako yikulu kabili kuno-7, bese kuthi yokugcina ibe ngaphasi kuka-7 ngokune.



Nangabe uyabala uya phambili ngakubili ukusuka enomborweni le, inomboro le kuzokuba yini?

Teacher: _____
 Sign: _____
 Date: _____

Ukubuyabuyelela: ngaku-2 nangaku-5 bekufike ku-75

Ithemu 3



Ungaphendula msinya kangangani kilokhu okulandelako?

$1 \times 2 =$ _____	$2 \times 5 =$ _____	$10 \times 2 =$ _____	$7 \times 2 =$ _____
$8 \times 2 =$ _____	$5 \times 2 =$ _____	$8 \times 5 =$ _____	$4 \times 5 =$ _____
$5 \times 5 =$ _____	$6 \times 5 =$ _____	$3 \times 2 =$ _____	$7 \times 5 =$ _____
$6 \times 2 =$ _____	$9 \times 5 =$ _____	$3 \times 5 =$ _____	$4 \times 2 =$ _____
$10 \times 5 =$ _____	$5 \times 2 =$ _____	$1 \times 5 =$ _____	$9 \times 5 =$ _____



Qala kobana umngani wami wenze ini.

$$4 \times 2 = 8$$

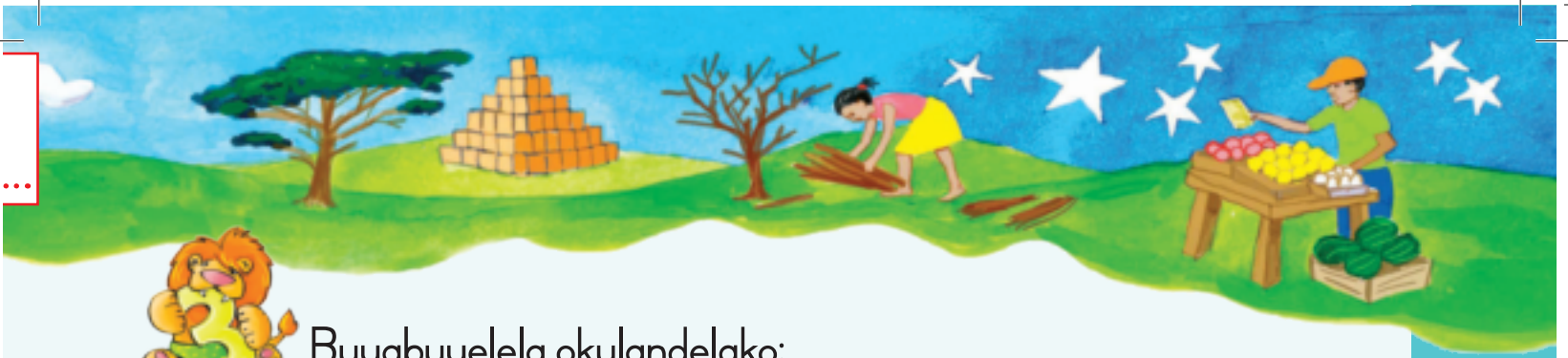
Cocisanani.

Umngani wami utjengisa oku- 4×2 ngendlela elandelako:


Ukubala ulokhu weqa	Amabuthhelelo alinganako	Ukuhlanganisa okubuyelelweko	Ukuhlela	Amaphuzu
2, 4, 6, 8		$2 + 2 + 2 + 2$	xx xx xx xx	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

Kwanje yenza okufanako $4 \times 5 = 20$.

Ngokubala useqa	Amabuthhelelo alinganako	Ngokuhlanganisa okubuyelelweko	Ngokuhlela	Ngamaphuzu



Buyabuyelela okulandelako:

24×3  $= (20 + 4) \times 3$ $= (20 \times 3) + (4 \times 3)$ $= 60 + 12$ $= 72$	a. 13×3	b. 18×3
c. 12×5	d. 21×3	e. 14×3
f. 25×3	g. 12×3	h. 15×5



Rarulula okulandelako:

Ngithenge amaswidi ali-14 ngenani lama-R3 iswidi ngalinye.
 Umngani wami uthenge amaswidi ali-12 ngama-R5 iswidi ngalinye.
 Sisobabili sibhadele malini imali yamaswidi sele awoke?



Ukubuyabuyelela: ngakuthathu bekufike ku-75

Ithemu 3

Ngikuphi okuza ngakuthathu? Amavilo womlolenjani onamavilo amathathu.



Mangaki amavilo asemlelenjaneni owodwa?

- Mangaki amavilo asemlelenjaneni emi-2?
- Mangaki amavilo asemlelenjaneni emi-3?
- Mangaki amavilo asemlelenjaneni emi-4?
- Mangaki amavilo asemlelenjaneni emi-5?
- Mangaki amavilo asemlelenjaneni esi-6?
- Mangaki amavilo asemlelenjaneni eli-7?
- Mangaki amavilo asemlelenjaneni ebu-8?
- Mangaki amavilo asemlelenjaneni eli-9?
- Mangaki amavilo asemlelenjaneni eli-10?

Madanisa inani kanye nombuzo ongesandleni sesincele:

- $9 \times 3 = 27$
- $7 \times 3 = 21$
- $2 \times 3 = 6$
- $4 \times 3 = 12$
- $3 \times 3 = 9$
- $5 \times 3 = 15$
- $1 \times 3 = 3$
- $10 \times 3 = 30$
- $6 \times 3 = 18$
- $8 \times 3 = 24$



Qedelela itheyibula.

Amabuthhelelo	Ukubuyabuyelela	Ukwaba	Ukwahlukanisa
Amabuthhelelo ali-11 wanga ku-3	$11 \times 3 = 33$	Yaba ama-33 nga ku-3	$33 \div 3 = 11$
Amabuthhelelo ali-15 wanga ku-3		Yaba ama-45 nga ku-3	
Amabuthhelelo ama-25 wanga ku-3		Yaba ama-60 nga ku-3	
Amabuthhelelo ali-12 wanga ku-3		Yaba ama-36 nga ku-3	



Qedelela itheyibula.

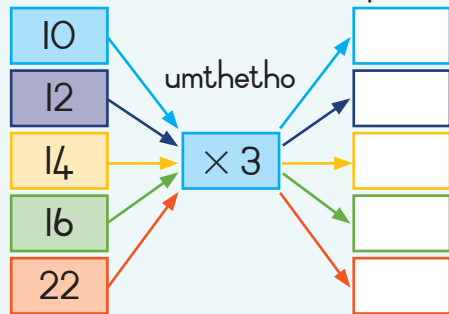
Ukwaba	Hlukanisa
Yaba u-37 ngaku-3	$37 \div 3 = 12$ isalela ngu-1
Yaba u-74 ngaku-3	
Yaba u-49 ngaku-3	
Yaba u-68 ngaku-3	



Qedelela umgwalo owehlako.

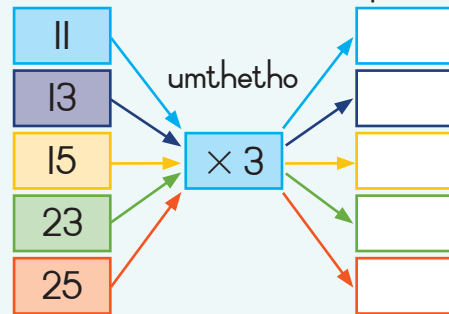
okufakiweko

umphumela



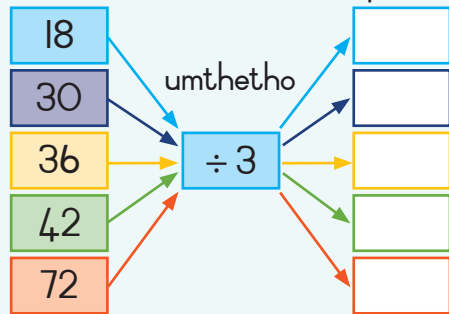
okufakiweko

umphumela



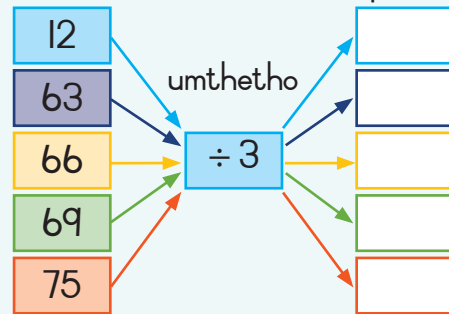
okufakiweko

umphumela



okufakiweko

umphumela



Qedelela itheyibula elingenzasi:

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	3	6													

×	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

Uyisebenze njani ipendulo yalapha amabhlogo anombala ohlaza sasibhakabhaka?



Rarulula okulandelako:

Imali yokungena ma-R3 umntwana ngamunye begodu ephageni kungene abentwana abama-23.

Sebaboke babhadele malini?



Teacher: _____
Sign: _____
Date: _____

Ukubuyabuyelela: ngaku-2, ngaku-3 nangaku-4 bekufike ku-75



Ungakuphendula msinya kangangani lokhu okulandelako?

$1 \times 2 =$ _____	$5 \times 4 =$ _____	$5 \times 2 =$ _____	$2 \times 2 =$ _____
$6 \times 3 =$ _____	$4 \times 2 =$ _____	$2 \times 4 =$ _____	$7 \times 3 =$ _____
$8 \times 4 =$ _____	$2 \times 3 =$ _____	$7 \times 2 =$ _____	$9 \times 4 =$ _____
$3 \times 2 =$ _____	$4 \times 4 =$ _____	$10 \times 3 =$ _____	$1 \times 3 =$ _____
$3 \times 3 =$ _____	$9 \times 2 =$ _____	$6 \times 4 =$ _____	$10 \times 3 =$ _____



Qala kobana umngani wami wenze ini.

$5 \times 2 = 10$

Cocisanani.

Ngithome ngokutjengisa u- 5×2 ngendlela elandelako:

Ukubala ngokweqa	Amabuthhelelo alinganako	Ukuhlanganisa okubuyelelweko	Ukuhlela	Amaqiniso
2, 4, _ _ _	● ● _ _ _	$2 +$ _ _ _	_ imida yanga ku-2 xx	$2 \times _ = _$ $4 \times _ = _$ $_ \cdot _ = _$ $_ \cdot _ = _$

Kwanje yenza okufanako na lokhu $8 \times 3 = 24$.

Ukubala ngokweqa	Amabuthhelelo alinganako	Ukuhlanganisa okubuyelelweko	Ukuhlela	Amaqiniso

$6 \times 4 = 24$

Ukubala ngokweqa	Amabuthhelelo alinganako	Ukuhlanganisa okubuyelelweko	Ukuhlela	Amaqiniso



Hlukanisa bewuhlolisise ipendulo yakho.

$$63 \div 3$$

$$\begin{aligned}
 &= (60 + 3) \div 3 \\
 &= (60 \div 3) + (3 \div 3) \\
 &= 20 + 1 \\
 &= 21
 \end{aligned}$$

$$21 \times 3$$

$$\begin{aligned}
 &= (20 + 1) \times 3 \\
 &= (20 \times 3) + (1 \times 3) \\
 &= 60 + 3 \\
 &= 63
 \end{aligned}$$

a. $48 \div 5$

b. $64 \div 5$



Rarulula okulandelako:



Mina nabangani bami sinemali ema-R63 sejiyoke.
Sifuna ukuyaba ngokulingana hlangana nathi sobathathu.

Teacher: _____
Sign: _____
Date: _____

Amaphetheni weenomboro: ngakuthathu bekufike ku-800



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

Ragela phambili ubale ngakuthathu ukusuka ku-703 bewufike ku-799. Yinomboro yiphi eza ngemuva kwaka-745 lokha nawubala ngakuthathu?

Bala uye emuva ngakuhlani ukusuka ku-799 bewufike ku-903. Yinomboro yiphi eza ngaphambi kwaka-766 lokha nawubala ubuyela emuva.

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Qedelela ukulandelana kweenomboro.

703; 706; 709; _____; _____; _____ 799; 796; 793; _____; _____; _____



Hlanganisa nanyana ukhuphe okuthathu.

1. Hlanganisa nokuthathu enomborweni onikelwe yona.
Sewenzelwe isibonelo.

$$a. 766 + 3 = 769$$

b. 766 _____ c. 783 _____ d. 756 _____ e. 713 _____ f. 790 _____



2. Khupha okuthathu enomborweni onikelwe yona. Sewenzelwe isibonelo.

a. $766 - 3 = 763$

b. 763 _____

c. 789 _____

d. 756 _____

e. 713 _____

f. 799 _____

3. Kwenzeka ini lokha nawuhlanganisa nanyana nawukhupha okuthathu eenomborweni onikelwe zona?



Qala iiyingi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyelela ngeeyingi? _____

b. Yelula ukulandelana kweenomboro

779; 776; 773; _____ ; _____ ; _____

ezilandelako:

782; 785; 788; _____ ; _____ ; _____

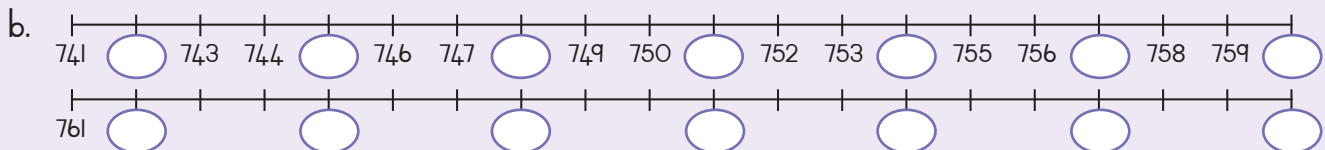
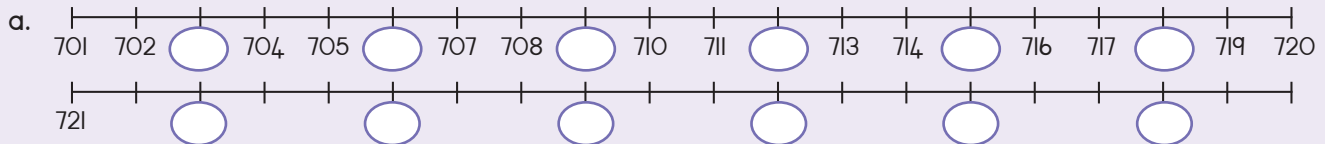
704; 707; 710; _____ ; _____ ; _____

779; 782; 785; _____ ; _____ ; _____

773; 776; 779; _____ ; _____ ; _____



Kwanje bala ngakuthathu uye phambili kusukela enomborweni le. Uthola yiphi inomboro.



Nginenomboro enamadijidi ama-3.

Idijidi lokuthoma ngu-7, elilandelako likhulu kabili kune-7, idijidi lokugcina lincani ngokubili-7 kunokulikhomba. Nangabe uyabala uya phambili ngakuthathu ukusuka enomborweni le. Izokuba yini inomboro leyo?



Teacher: _____
 Sign: _____
 Date: _____

Ukubuyabuyelela: ngakune bekufike ku-75

Ngikuphi okuza ngakune?

Amavili wekoloji.



Mangaki amavili?

Ikoloji eyo-1?

Iinkoloji ezi-2?

Iinkoloji ezi-3?

Iinkoloji ezi-4?

Iinkoloji ezi-5?

Iinkoloji ezisi-6?

Iinkoloji ezili-7?

Iinkoloji ezibu-8?

Iinkoloji ezili-9?

Iinkoloji ezili-10?

Madanisa isibalo kanye
nombuzo ongesinceleni:

$$9 \times 4 = 36$$

$$7 \times 4 = 28$$

$$2 \times 4 = 8$$

$$4 \times 4 = 16$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$

$$1 \times 4 = 4$$

$$10 \times 4 = 40$$

$$6 \times 4 = 24$$

$$8 \times 4 = 32$$



Qedelela itheyibula.

Amabuthelelo	Ukubuyabuyelela	Ukwaba	Ukwahlukanisa
Amabuthelelo ali-12 wanga ku-4	$12 \times 4 = 48$	Yaba ama-48 nga ku-4	$48 \div 4 = 12$
Amabuthelelo ali-16 wanga ku-4		Yaba ama-64 nga ku-4	
Amabuthelelo ali-18 wanga ku-4		Yaba ama-72 nga ku-4	
Amabuthelelo ali-15 wanga ku-4		Yaba ama-60 nga ku-4	

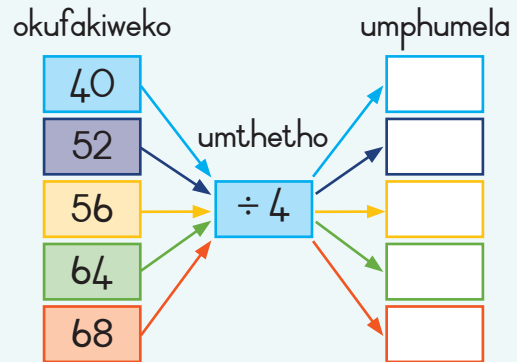
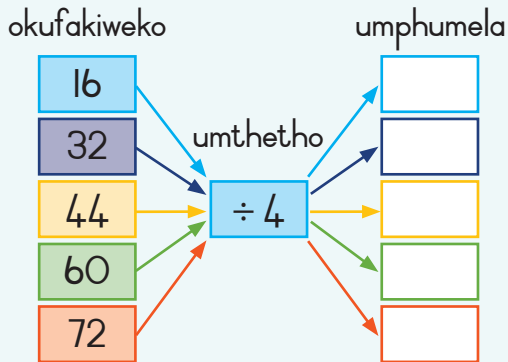
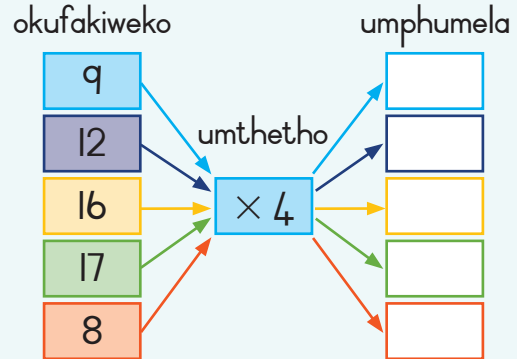
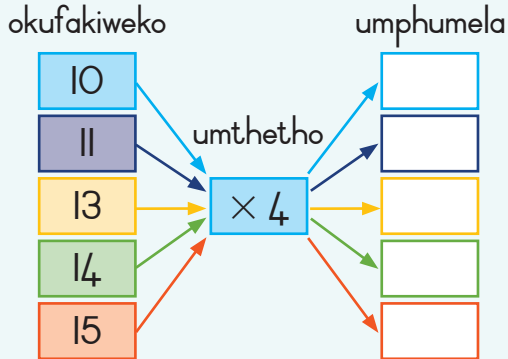


Qedelela itheyibula.

Ukwaba	Ukwahlukanisa
Yaba u-35 ngaku-4	$35 \div 4 = 8$ isalela ngu-3
Yaba u-55 ngaku-4	
Yaba u-70 ngaku-4	
Yaba u-75 ngaku-4	



Qedelela umgwalo owehlako.



Qedelela itheyibula elingenzasi:

\times	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4															

\times	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

Uzisebenze njani iimpendulo ezingemabhlogweni ahlaza sasibhakabhaka?



Rarulula okulandelako:

Nginama-R75.
Zingaki izipho ezincani engingazithenga ngemali ema-R4?



Teacher: _____

Sign: _____

Date: _____

Iinomboro zamaphethen: ngazine bekufike ema-800

Ithemu 3



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

Bala ngakune ukusuka ku-704 ufike ku-800.
Ngijiphi inomboro eza ngemva kwaka-736
lokha nawubala ngakune?

Bala uye emuva ngakune ukusuka ku-800
ufike ku-704. Ngijiphi inomboro eza
ngaphambi kwaka-776 lokha nawubala ubuyela
emuva?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Qedelela ukulandelana kweenomboro.

704; 708; 712; _____; _____; _____

724; 728; 732; _____; _____; _____



Hlanganisa nanyana ukhuphe okune.

1. Hlanganisa okune enomborweni onikelwe yona.
Sewenzelwe isibonelo.

a. $764 + 4 = 768$

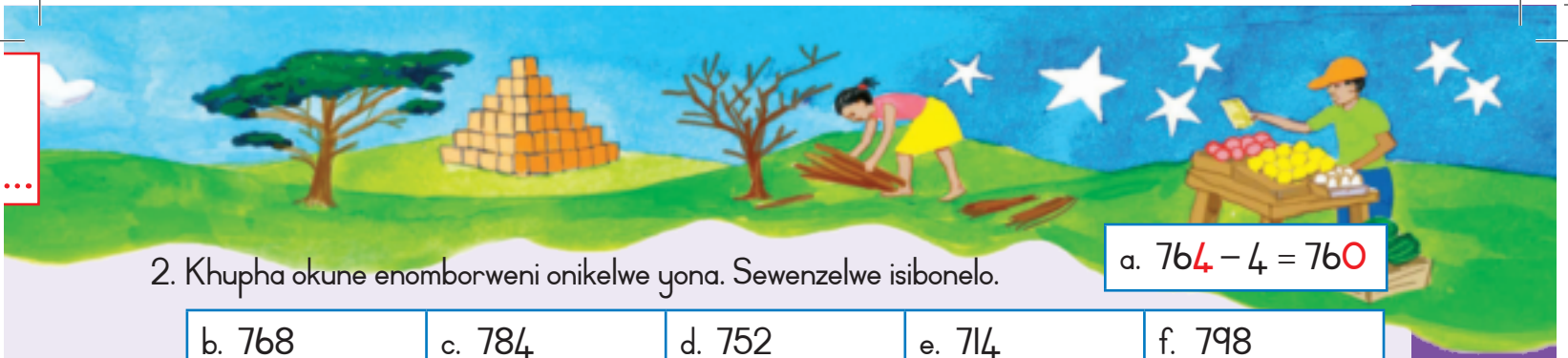
b. 764 _____

c. 788 _____

d. 754 _____

e. 718 _____

f. 794 _____



2. Khupha okune enomborweni onikelwe yona. Sewenzelwe isibonelo.

a. $764 - 4 = 760$

- | | | | | |
|--------------|--------------|--------------|--------------|--------------|
| b. 768 _____ | c. 784 _____ | d. 752 _____ | e. 714 _____ | f. 798 _____ |
|--------------|--------------|--------------|--------------|--------------|

3. Kwenzeka ini lokha nawuhlanganisa nanyana nawukhupha okune eenomborweni ezingehla?



Qala iyingi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyelelako ngeeyingi lezi?

Yelula ukulandelana kweenomboro ezilandelanako: _____

- | | |
|--|--------------------------------------|
| b. Yelula ukulandelana kweenomboro ezilandelanako: | 711; 715; 719; _____ ; _____ ; _____ |
| 703; 707; 711; _____ ; _____ ; _____ | 783; 779; 775; _____ ; _____ ; _____ |
| 773; 777; 781; _____ ; _____ ; _____ | 799; 795; 791; _____ ; _____ ; _____ |



Qedelela ngenomboro enembako esiyingini ngasinye kumanambalayini alandelako.

- a.
- | | | | | | | | | | | | | | | | | | | | | |
|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|--|
| 701 | ○ | 703 | 704 | 705 | ○ | 707 | 708 | 709 | ○ | 711 | 712 | 713 | ○ | 715 | 716 | 717 | ○ | 719 | 720 | |
| 721 | ○ | | | | ○ | | | | ○ | | | | ○ | | | | ○ | | | |
- b.
- | | | | | | | | | | | | | | | | | | | | | |
|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|--|
| 741 | ○ | 743 | 744 | 745 | ○ | 747 | 748 | 749 | ○ | 751 | 752 | 753 | ○ | 755 | 756 | 757 | ○ | 759 | 760 | |
| 761 | ○ | | | | ○ | | | | ○ | | | | ○ | | | | ○ | | | |



Nginenomboro enamadijidi ama-3.

Idijidi lokuthoma ngu-7, elilandelako likhulu ngokukodwa kuno-7, idijidi lokugcina lincani ngoku-3 kunokulikhomba. Nangabe uyabala uya phambili ngakune ukusuka enomborweni le. Izokuba yini inomboro leyo?



Teacher: _____
 Sign: _____
 Date: _____

Ukubuyabuyelela kanye
nokwahlukanisa: ngaku-2, ngaku-3, ngaku-4
nangaku-5 bekufike ku-75



Ungakuphendula msinya kangangani okulandelako?

$1 \times 2 =$ _____	$5 \times 3 =$ _____	$4 \times 2 =$ _____	$10 \times 2 =$ _____
$4 \times 3 =$ _____	$3 \times 2 =$ _____	$2 \times 2 =$ _____	$3 \times 3 =$ _____
$6 \times 4 =$ _____	$4 \times 3 =$ _____	$5 \times 3 =$ _____	$9 \times 4 =$ _____
$6 \times 5 =$ _____	$8 \times 3 =$ _____	$9 \times 4 =$ _____	$8 \times 5 =$ _____
$7 \times 3 =$ _____	$8 \times 5 =$ _____	$2 \times 5 =$ _____	$7 \times 5 =$ _____



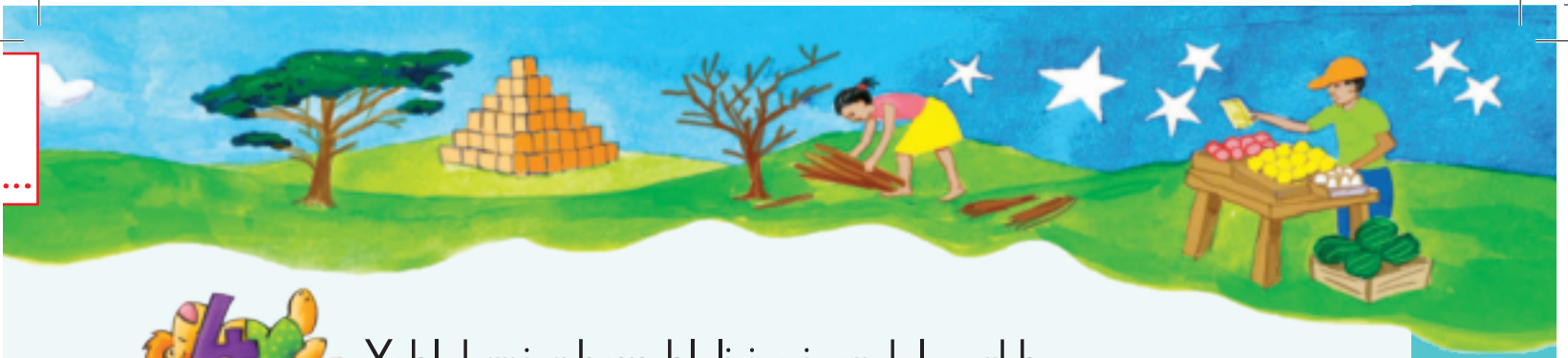
Faka umbala amabhlogo akunikela isibalo
esikunikela isalela.

$12 \div 2 = 6$	$13 \div 3 = 4$ isalela ngu-1	$15 \div 5 =$ _____	$18 \div 5 =$ _____
$20 \div 4 =$ _____	$23 \div 4 =$ _____	$16 \div 3 =$ _____	$18 \div 3 =$ _____
$25 \div 2 =$ _____	$24 \div 2 =$ _____	$30 \div 2 =$ _____	$29 \div 2 =$ _____
$19 \div 3 =$ _____	$17 \div 3 =$ _____	$31 \div 5 =$ _____	$30 \div 5 =$ _____
$55 \div 5 =$ _____	$52 \div 5 =$ _____	$57 \div 3 =$ _____	$60 \div 3 =$ _____



Wazi njani kobana inomboro ingahlukaniseka:

- 3? Nawuhlanganisa idijidi yenomboro (isib: 72 unamadijidi $7 + 2 = 9$) begodu unahlukanisa inomnoro etja ngaku-3 (isib: 9 uyahlukaniseka ngaku-3).
- 2? _____
- 5? _____



Yehlukanisa bewuhlolisise ipendulo yakho.

$$65 \div 3$$

$$\begin{aligned}
 &= (60 + 5) \div 3 \\
 &= (60 \div 3) + (5 \div 3) \\
 &= 20 + 1 \text{ isalela ngu-2} \\
 &= 21 \text{ isalela ngu-2}
 \end{aligned}$$

$$21 \times 3 + 2$$

$$\begin{aligned}
 &= (20 + 1) \times 3 + 2 \\
 &= (20 \times 3) + (1 \times 3) + 2 \\
 &= 60 + 3 + 2 \\
 &= 65
 \end{aligned}$$

a. $49 \div 5$

b. $65 \div 5$



Rarulula okulandelako:

Kumele ukhambе uyokwenza irhubhululo.
Wazi njani kobana inomboro iyahlukaniseka ngaku-4?





Amatshwayo wezinto eziyi-3D



Qala iinthombe.

Khuluma ngelingaphezulu lezinto ezilandelako usebenzise amagama: ukuba sipara nokugobana.

Amabhola	Amabhoksi	Amasilinda	Amaphiramidi	Amakhowuni



Qala iinthombe bese uqedelela imitjho nemibuzo.



a. Ibholo

_____.



b. Kungani ibholo ingatjheleli?



c. Isilinda

_____.

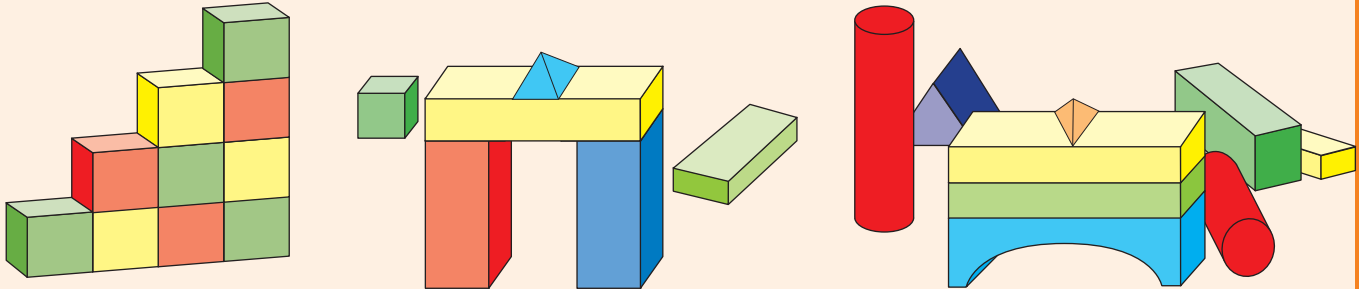


d. Ingabe isilinda iyatjhelela?



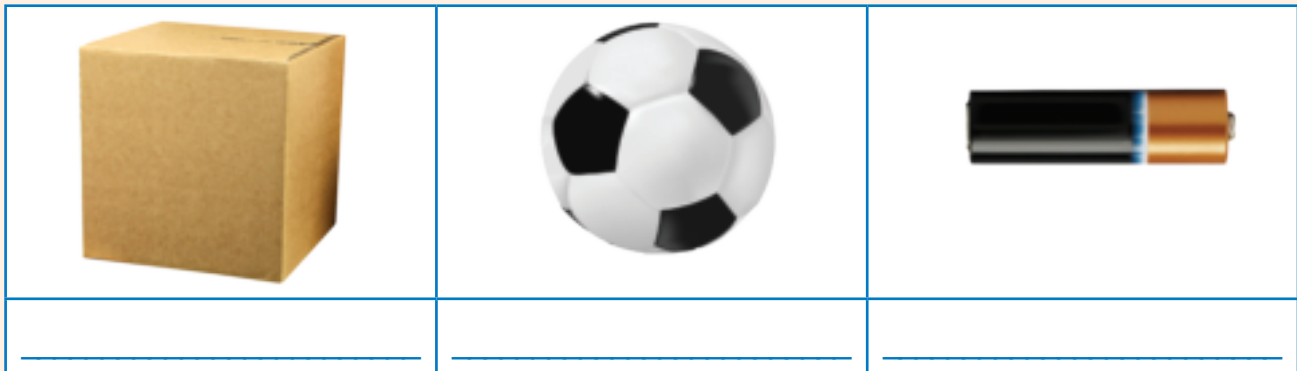
Yitjho into esetjenzisiweko kesinye nesinye isithombe.

Kumele ubale into kanye. Yitjho kobana into ingagedeka nanyana ingatjhelela.





Yitjho nangabe i-3D inelingaphezulu elisipara nanyana eligobeneko.



Gwala okulandelako:

Ibhoksi libhalanse phezu kwesilinda.	Ibholo ibhalanse phezu kwesilinda.	Isilinda ibhalanse phezu kwebhoksi.
--------------------------------------	------------------------------------	-------------------------------------

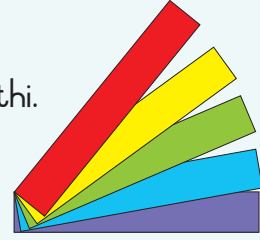


Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Amakhithi wemitletlana yamacezu

Okutlhogako: Imitletlana emi-5 yamaphepha anemibala eyahlukene, Iinkere, iimpensela/amakhrayoni Yenza ikhithi.



Okupheleleko

Sika iphepha le-5

Phezu komtletlana owodwa tlola, "Okupheleleko"

Thatha umtletlana omunye bese uwubhincisa ngokuyelela okukhulu wenze isiquntu. Yewuwuvule. Uneengcenywe ezilinganako ezingaki?

Tlola $\frac{1}{2}$ kenye nenywe ihafu bese usika lapha ubhincisa khona.

Thatha umtletlana wesithathu bese uyawubhincisa ube yihafu bese uwubhincisa godu ube yihafu. Yewuwuvule. Uneengcenywe ezingaki ezilinganako? Tlola $\frac{1}{4}$ kelinye nelinye icezu eliyengcenywe yesine, bese usika lapha ubhincisa khona.

Kwanje linga ukwenza eminye imitletlana emibili, omunye utjengisa okukodwa kokuhlana omunye utjengisa okukodwa kokubunane.

Okukodwa okupheleleko



Sebenzisa ikhithi yamacezswana wamacezu ukuphendula imibuzo.



Kungaki kwesihlanu okulingana nokukodwa okupheleleko?



Kungaki okukodwa kobunane okulingana nehafu?



Amacezu kunambalayini.

Umtletlana utjengisa okukodwa okupheleleko.

Okukodwa okupheleleko

Isiyingi sitjengisa okukodwa okupheleleko.

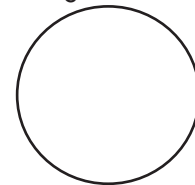
Okukodwa okupheleleko

Hlukanisa umtletlana ngeengcenywe zangokwesithathu.

Faka umbala ingcenywe yangokwesithathu.

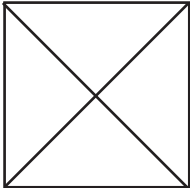
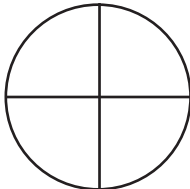
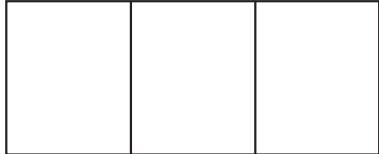
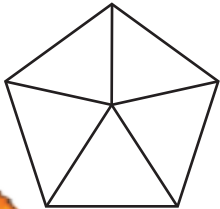
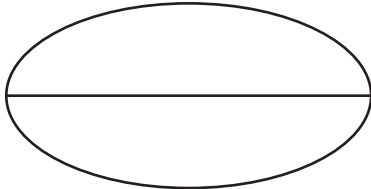

Hlukanisa isiyingi ngeengcenywe zangokwesithathu.

Faka umbala ingcenywe yangokwesithathu.





Khalara okulandelako:

Ihafu eyodwa 	Amakota amathathu 	Iingcenywe ezimbili zangakuthathu 
Iingcenywe ezine zangakuhlano 	Ihafu eyodwa 	Amakota amathathu 



Gwala okulandelako:

Amakota amathathu usebenzisa isikwere.	Ihafu usebenzisa isiyingi.	Amacezu wangakuthathu amabili usebenzisa uncantathu.
Amacezu wangakuhlano amane usebenzisa isiyingi.	Okune kokobunane usebenzisa uncane.	Amacezu amabili wangakuthathu usebenzisa irekthengela.



Lungisa ikhithi yakho.

- Sika esinye nesinye isiyingi seeyingi ezisi-6 kiboSika 6.
- Sika ezihlanu zeyingi zibe ziinqetjhana emacaphazini.
- Leyibula icezu ngalinye:
 - o Kelye ihlangothi tlola icezu le-iri elilodwa.
 - o Kelye ihlangothi, tlola inani lemizuzu ecezwinilelo.



Teacher: _____
Sign: _____
Date: _____



Amanye amacezu



Tlola Iye nanyana Awa.

- Ihafu yihafu yokukodwa okupheleleko _____
- Ihafu yihafu yekota _____
- Ikota yihafu yehafu _____
- Ihafu namakota amabili kwenza okukodwa okupheleleko _____
- Ihafu nekota zenza amakota amathathu _____



Yaba iphayi.

USipho, uGugu, no-Andile kanye noLisa babelana iphayi.



a.

Ngilambile!
Ngifuna ihafu!

u-Sipho



b.

Kulungile!
Nginekota.

u-Gugu



Gwala ingcenyane yakaSipho.

Gwala ingcenyane yakaSipho neyakaGugu.

c.

Mina ngizakuthatha
ihafu yalokho
okuseleko.

U-Andile



d.

Ephayini ngisalelwe
licezu elingangani?

u-Lisa




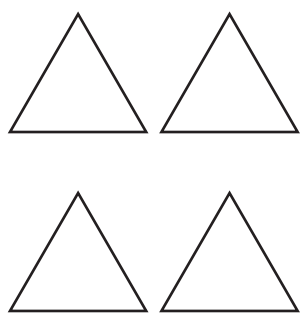

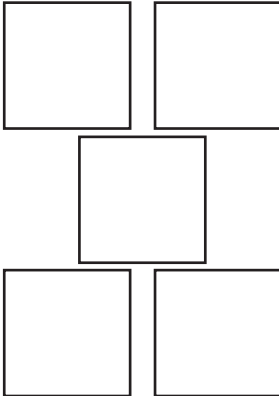

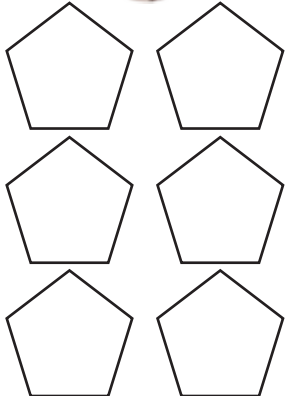


Gwala ingcenyane yakaSipho, yakaGugu neyaka-Andile.

Gwala iingcenyane zoke abazabelene ephayini.



Yaba amabumbeko hlangana kwabentwana ngokuthi ugwale umuda bese uwufaka umbala.

 	 	 	 
---	--	---	---



Abangani abane babelana isiselo esineengojwana ezihlanu ngokulingana.

Omunye nomunye uzokufunyana ezingangani?

Uthini umbuzo?

Zithini iinomboro?

Gwala isithombe.

Abangani abasithandathu babelana isiselo esineengojwana ezili-9 ngokulingana.

Omunye nomunye uzokufunyana ezingangani?

Uthini umbuzo?

Zithini iinomboro?

Gwala isithombe.



Teacher: _____

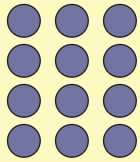
Sign: _____

Date: _____

Ukwaba okusisa emacezwini

Ithemu 3

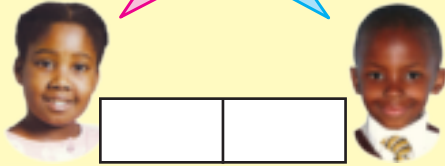
Lapha kuneembalisi ezili-12



Sibangani ababili. Sinesimumathi esisodwa esisehlukana ngokulingana phakathi (ngehafu).

Sithi lokhu yihafu (eyodwa).

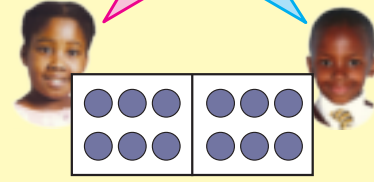
Sithi lokhu yihafu (eyodwa).



Sabelana ngeembalisi esizabelane sobabili ngokulingana.

Ngineembalisi ezisithandathu.

Ngineembalisi ezisithandathu.



Gwala iinthombe zalokhu okulandelako bese uphendula imibuzo.

Abangani abathathu babelana amabhulo amathathu.



- Omunye nomunye uzokufunyana amabhulo amangaki?
- Omunye nomunye uzokufunyana liphi icezu?

Abangani abane babelana amabhulo alitjhami nambili. abathathu babangani babesana.

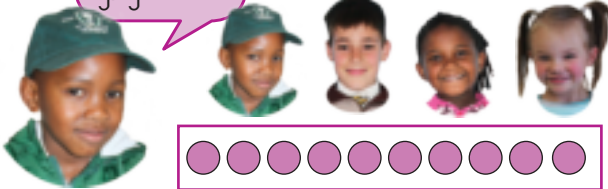


- Omunye nomunye uzokufunyana amabhulo amangaki?
- Umsana omunye nomunye ufunyene liphi icezu?



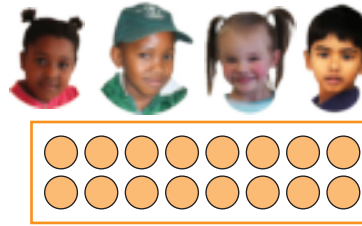
UMandla uzokufunyana liphi icezu?
ULisa uzokufunyana liphi icezu?

Ibizo lami nginguMandla.



- UMandla noLisa bazokufunyana amabhulo amangaki?

Ibizo lami nginguLisa.



- UMandla noLisa bazokufunyana amabhulo amangaki?



Ukwaba amaswidi.

Abangani baba amaswidi. Omunye nomunye ufunyana $\frac{1}{2}$ (ihafu) yephakethe.

a. Maphakethe amangaki abazowatlhoga ukuze bawabelane:

Abangani aba-4? _____ Abangani aba-6? _____ Abangani aba-9? _____

b. Bangani abangaki abangabelana ngamaphakethe:

Ama-4? _____ Ama-10? _____ $3\frac{1}{2}$ wamaphakethe? _____



Iinkhethe zokudansa.

Umma nogogo bathunga iinkhethe zokudansa.

Ngesikhethe esisodwa batlhoga amamitha ama- $2\frac{1}{2}$ wetjhila.

Itjhila libiza imali ema-R6 imitha.

a. Bangathunga iinkhethe ezingangani ngetjhila elilandelako?

Itjhila elima-5 m _____ Itjhila elima-10 m _____

Itjhila elima-20 m _____ Itjhila elima-25 m _____

b. Bazokutlhoga itjhila elingangani ukuthunga iinkhethe?

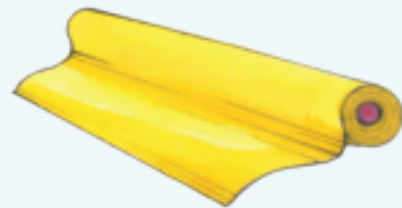
Ezi-2 _____ Ezi-3 _____ Ezi-4 _____

c. Libiza malini itjhila elithunga?

Isikhethe esi-1 _____ Iinkhethe ezi-2 _____ Iinkhethe ezi-3 _____

d. Bangathunga iinkhethe ezingaki ngemali ema-

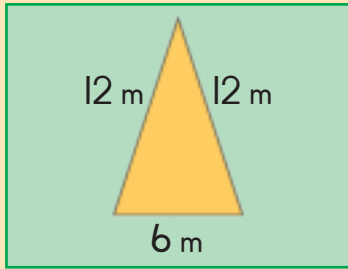
R450 _____ R825 _____ R180 _____



Teacher: _____
Sign: _____
Date: _____

Ibanga elizombako

Igama elithi ipherimitha litjho ubude nanyana ibanga elizombe into ethileko.



Umlimi uneplo di elingaba silinganiso sehlabathi enguncantathu.

Singafunyana ipherimitha yeplasi ngokuhlanganisa ubude bamahlangothi.

$$\text{Ipherimitha} = 12 \text{ m} + 12 \text{ m} + 6 \text{ m} = 30 \text{ m}$$



Funyana amapherimitha alandelako.

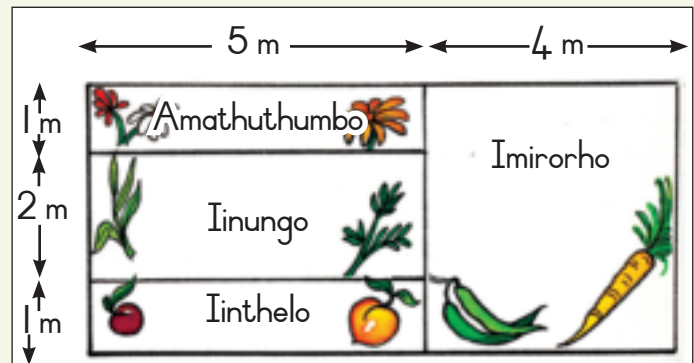
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Isivande sakaVeronica.

UVeronica ugwala isithombe sesivande afuna ukusitjala.

- Ithini ipherimitha yalapha afuna ukutjala khona iinungo? _____
- Ngiziphi iingaba ezimbili ezinepherimitha elinganako? Ithini ipherimitha yazo? _____



_____ kanye _____ zinepherimitha _____ m.

- Kumele afunyane ifensi ezokubhoda isivande soke. Ifensi ibiza ama-R50 imitha ngayinye.

Izokubiza malini ifensi? _____



Hlela isivande sakho.

Sebenzisa igradi yephepha ekuboSika 7 ukuhlela isivande sakho. Tjengisa koke lapha umede khona kanye neentjalo ongathanda kobana uzitjale.



Ukumeda iiyingi.

Sebenza nomngani wakho.

Izinto enizozitlhoga: Izinto ezi-10 eziyindulunga zobukhulu obahlukeneko. Njengepaniki, isivalo sevaselina, intambo nesikere.

1. Khetha into eyodwa esiyingi ozoyimeda ngentambo.
2. Sika isiqetjhana sentambo eyanele ukufika beyibhode into leyo.
3. Thatha intanjana leyo bese uyayelula ikhambе mazombe nesiyingi. Bala kobana ivundla kangaki.
4. Yenza okufanako ngezinye izinto eziziiyingi.
5. Tlola koke okuyelelako.



Ubude obubhoda isiyingi bubizwa ngesikhamferensi/ umzombe wesiyingi.



Ibanga ukuvundla isiyingi libizwa ngedayamitha.



Teacher:
Sign:
Date:

Ukuthengiselana ngemali

Dlalani imidlalo nomngani wakho.

Okutlhogako:

RIOO

RIO

RI

IOc

Ic



RIOO	RIO	RI	IOc	Ic

Ibhodi yemali (kiboSika 8), iphepha kanye nepensela, amadayisi amabili, imali yokudlalisa (ekuboSika 9): imali yephepha ema-RIOO kanye nama-RIO; Imali emumuwa ema-RI, IOc kanye neziinsende (Ic).

Beka ibhodi yemali etafuleni.

Ibhodi inemikhakha emi-5 esuka ngesinceleni iye ngesidleni, inemali ema-RIOO, RIO, RI, kanye nemali eziinsende ezili-IO (IOc). Emdlalweni lo, sisebenzisa amakholomu ama-3.



Hlanganisa bewufike e-100 lamaranda.

1. Abadlali bayadlhegana ukuphosa idayisi. Hlanganisa iinomboro ezimbili ndawonye.
2. Thathani inani lemali eyisimbi ema-RI bese niyibeka ehlangothini lama-RI lebhodi lenu.
3. Akuthi imali ama-RI angahlanguka abe litjumi uwathengise bese ufunaya imali yephepha ema-RIO.

$$10 \text{ RI} = \text{RIO}$$

4. Loyo ozokuba ngewokuthoma ukubuthelela imali yamaphepha ema-RIO alitjumi, nguye othumbileko.

$$10 \text{ RIO} = \text{RIOO}$$

5. **Ukuhlawulisa:** Nangabe umdlali uyaliqeda idlhego lakhe kodwana akhohlwe ukuthengisa imali yakhe yesimbi ema-RI ukufunyana imali yephepha ema-RIO, kwenzeka iphoso ayzenzileko ibonwe ngomunye umdlali, ihlawulo yimali eli-RI.

Nangabe odlalako ukhohlwa ukuthengisa imali emaphepha ali-IO wama-RIO, ukuze afunyanwe imali eliphepha eli-RIOO, kumele ahlawuliswe i-RIO ngomunye umdlali.



Khupha ukusuka ku-RIOO ukufika ku-RO.

Dlalani umdlalo ofanako, thoma kwaphela ngemali eliphepha ema-RIO, bese nikhupha inani lesibalo esiphosiweko edayisini. Umdlali wokuthoma ozokufunyana u-RO nguye othumbileko.

RIOO	RIO	RI	IOc	Ic



Ukuhlanganisa nokukhupha ukufika e-RI 000.

Ngedlhego elinye nelinye, hlanganisani inani lesibalo sedayisi bese nikhupha inomboro leyo yemali eliphepha ema-RIO. Umdlali wokuthoma ukufunyana i-RI 000, nguye othumbileko begodu qobe lidlhego bese niyakhupha. Umdlali wokuthoma ukufunyana u-RO, nguye othumbileko.



Ukuhlanganisa ukufika e-RI.

Dlalani njengalokha enidlala umdlalo wokuthoma, ngaphandle kwalokha nawuphosa idayisi bewuthoma inani, thatha inani ledayisi ngeensende. Nawuneensende (Ic) zitjhentjhe zibe botjheleni (IOc). Wokuthoma ozokutjhentjha abotjheleni abalitjhumi ukwenza i-RI, nguye othumbileko.



Khupha iinsende.

Thoma nge-RI, bese ukhupha emdlalini ngamunye. Wokuthoma umdlali ukufunyana iinsende ezili-O, nguye othumbileko.



Teacher: _____

Sign: _____

Date: _____

11 12 13 14 15 16 17 18 19 20






Asiye eentolo!



Iingwani ziyathengiswa.

Isitolo sithengisa iingwani ngamanani ama-5 ahlukahlukeneko.



							Inani
Ingwani a	 R20	R20	R20	R20	R20	R20	R120
Ingwani b	 R25	R25	R25	R25	R25	R25	
Ingwani c	 R50	R50	R50	R50	R50	R50	
Ingwani d	 R75	R75	R75	R75	R75	R75	
Ingwani e	 R100	R100	R100	R100	R100	R100	

- Funyana inani lengwani emudeni ngamunye.
- UKkz. Zondo uthenga omunye umhlobo wengwani.
Sezizoke iingwani, uzokubhadela malini? _____
- UButi usebenzisa imali ema-R4,50 sejiyoke. Uthenga ingwani eyodwa nge-R100.
Ngiziphi ezinye iingwani azithengako? Tjengisa iimpendulo ezimbili ekungaba ngizo.

Hlolisa!
Madanisa!
Lungisa!

Ipendulo 1	Ipendulo 2



Ebhageni

UMusa usebenzisa iresephi yakhe yokubhaga i-sponge cake.

Iresephi ye-Sponge cake

Ikhhekhe eli-1: 40 g yeflowuru i-self-raising; Amaqanda ama-3; i-50 g yetjhukela yoku-ayisa
Ukuzesa: uzokutlhoga ikhrimu ema-140 ml

- a. UMusa utlhoga ihlanganisela engangani nakubhaga amakhekhehana asi-6.
Sebenza ipendulo yakho.

Ikhhekhe	Iflowuru	Amaqanda	Yetjhukela yoku-ayisa	Ikhrimu
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

- b. Thika (✓) ipendulo enembako.

Ilitha eyo-1 yekhrimu ingazalisa pheze: amakhekhe ali-10;
amakhekhe ali-7; amakhekhe abu-8.



Isibalo sokubala msinya.

Hlolisisa!
Madanisa!
Lungisa!

$10 \times 7 =$	$10 \times 70 =$	$5 \times 7 =$	$5 \times 70 =$	$70 \times 2 =$
$12 \times 4 =$	$12 \times 8 =$	$6 \times 16 =$	$5 \times 9 =$	$50 \times 9 =$
$15 \times 3 =$	$15 \times 6 =$	$10 \times 4 =$	$8 \times 4 =$	$18 \times 4 =$



11 12 13 14 15 16 17 18 19 20

Eminye imininingwana



Esitetjhini samapholisa.

Amapholisa amahlanu enza imisebenzi eyahlukene. Akuphi njenganje amapholisa?


	Usedeskini	Uyapatrola	Usekhotho
USerufe			x
UMaria	x		
USam	x		
U-Amos		x	
UDudu			x






Tlola amabizo walawo: Asedeskini? _____
 Apatrolako? _____
 Asekhotho? _____



Ilanga lokutjalwa kwemithi.



Iinkolo ezihlanu ziphalisana ngokuthi ngisiphi esizokutjala imithi eminengi ngelanga le-Arbor Day.  = 10 Imithi

eKlipspruit	
eMthonjeni	
eSonskyn	
eThuthong	
eMosiba	

Isikolo ngasinye sitjala imithi emingaki.

IKlipspruit	EMthonjeni	ISonskyn	IThutong	IMosiba

Isikolo satjala imithi emingaki sejiyoke? _____



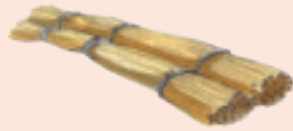
Mhlobo bani walokho ekufulelwe ngakho?

Abafundi bakaGreyidi 3 bayarhubhulula endaweni abahlala kiyo.

Bafuna ukuthola imihlobo eyahlukeneko yalokho abantu abafulele ngayo.

Batjengisa imiphumela yabo ebhlogweni leli.

Batlola ithiki eyodwa (✓) endlini ngayinye abayibonako.



Ngamathayili	✓	✓	✓	✓	✓	✓					
Ngotjani	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ngekhuni	✓	✓	✓	✓	✓	✓	✓	✓			
Ngamasenge	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Mafulelo amangaki sele awoke neniwabalako? Ubukhulu beengwani

Ngamathayili _____ Ngotjani _____ Ngekhuni _____ Ngamasenge _____

Ngiwaphi amafulelo asetjenziswa khulu endaweni le? _____

Mafulelo amangaki sele awoke neniwabalako? _____



Ubukhulu beengwani.

Abesana esikolweni esibizwa ngokuthi kuseJuma, bambatha iinkepisi zesikolo.

Iinkepisi lezo ziza ngobukhulu obulandelako: u-2, 3 no-4.

2	2	3	2	3	4	4	3	2	3	2	3
4	2	2	3	3	3	2	2	2	3	4	4
2	3	2	3	4	2	4	4	3	4	2	2
2	2	3	3	3	4	2	2	2	3	3	4
4	2	2	2	3	4	2	4	4	3	2	



Bala kobana bafundi abangaki abembatha ubukhulu ngabunye.

2 _____ 3 _____ 4 _____

Ngibuphi ubukhulu obuvamileko? _____

Hlolisa!
Madanisa!
Lungisa!

Teacher: _____
Sign: _____
Date: _____

Ilanga:

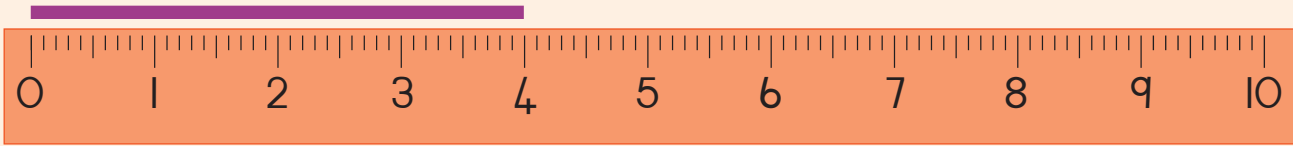


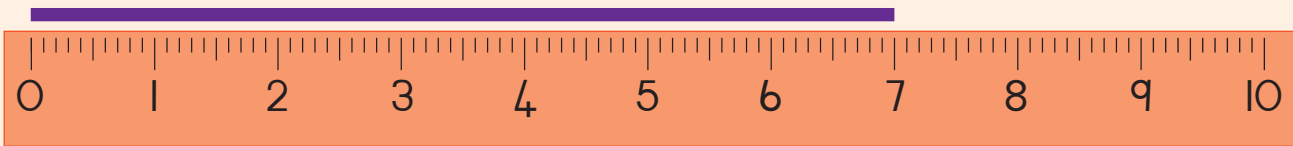
Ukusebenza ngamasenthimitha

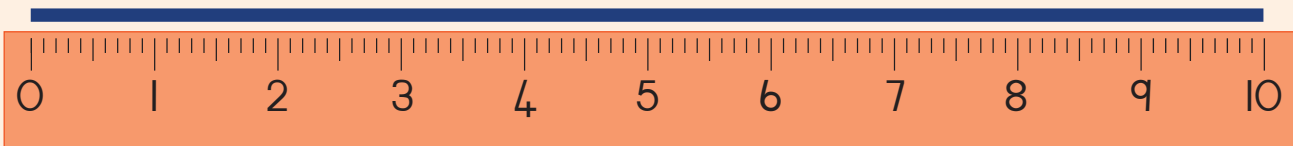
Ithemu 4



Umuda onombala mude kangangani?









Kokuthoma linganisa imida bese ugcina ngokuyimeda. Qedelela itheyibula.

Umuda	Ukulinganisa	Ukumeda	Umehluko hlangana kokulinganisa kanye nokumeda.





Sebenzisa irula ukuthala imida elandelako.

a. 10 cm

b. 7 cm

c. 15 cm



Yitjho kobana ungasebezisa amamitha nanyana amasenthimitha ukulinganisa.

a. Ubude bencwadi _____

b. Ubude bomnyango _____

c. Ubude bepensela _____

d. Ubude bakho _____

e. Ubude bomuno wakho _____

Khumbula amagama arhunyaziweko esiwasebenzisa ukutlola amasenthimitha (cm) namamitha (m).



Phakathi komnyaka usebenzise iimpensela zakho ezilitjhumi zokukhalara. Ubude bepensela ngayinye bebu-15 cm ngaphambili kokuthi uzisebenzise.

Ngemuva kokuzisebenzisa ubude bepensela ebovu bobulingana ama-7 cm, ehlaqakwesibhakabhaka ama-5 cm, ehlaqakotjani ama-6 cm, esarulani ama-11 cm, ephephuli ama-12 cm, e-orenji ama-9 cm, ebhraweni ama-14 cm, enzima ama-8 cm, epinki ama-13 cm kunye nemhlophe ama-15 cm



a. Ngiyiphi ipensela oyisebenzise khulu? _____

b. Ngiyiphi ipensela oyisebenzise kancani? _____

c. Tlola ubude beempensela zakho kusukela kefitjhani ukuya kede _____



11 12 13 14 15 16 17 18 19 20

Iinomboro 700 ukufika ku-800

Ithemu 4



Bala bese uyatlola.

- a. Bala ukusuka ku-700 – 800.
Phimisa iinomboro nawulokhu ubala.

700

800

701			704					710
						718		
	722							
				736				
741								749
						758		
		773						
						788		790
	792			795				800

- b. Tlola iinomboro ezitlhayelako egridini engehla.
c. Tlola iinomboro ezili-10 eziza ngemva kwaka-750.

750; _____; _____; _____; _____; _____; _____; _____; _____; _____

- d. Tlola iinomboro ezilandelako ezibu-8 zibe yiphetheni yabo-2.

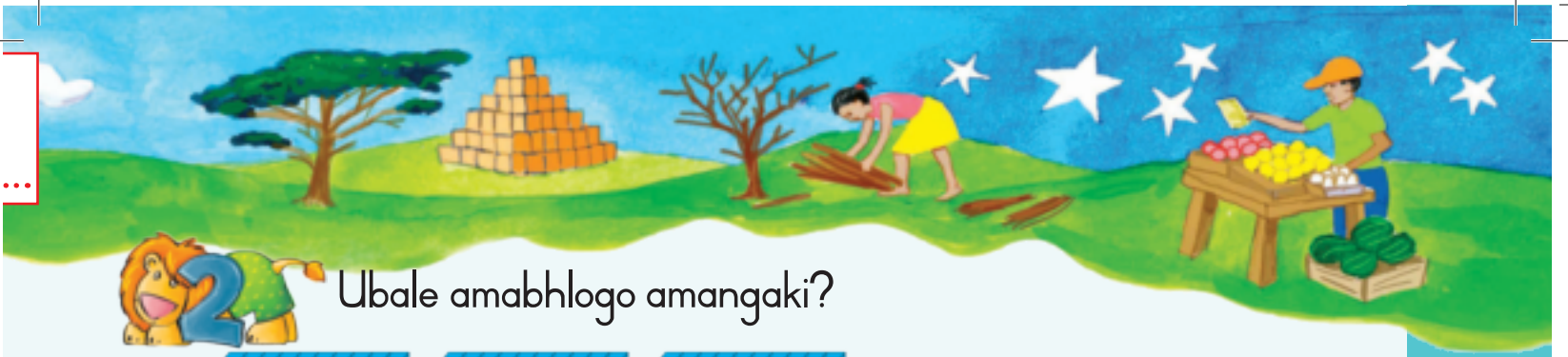
762; 764; 766; _____; _____; _____; _____; _____; _____

- e. Tlola zoke iinomboro zibe ngephetheni yabo-2 kusuka ku-751 kufika ku-773

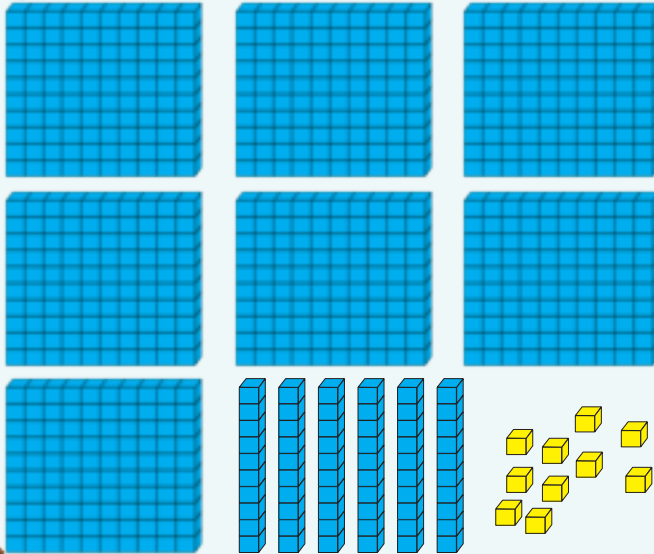
751; _____; _____; _____; _____; _____; _____; _____; _____; 773

- f. Tlola iinomboro ezilandelako ezibu-8 zibe yiphetheni yabo-5.

751; 756; 761; _____; _____; _____; _____; _____; _____



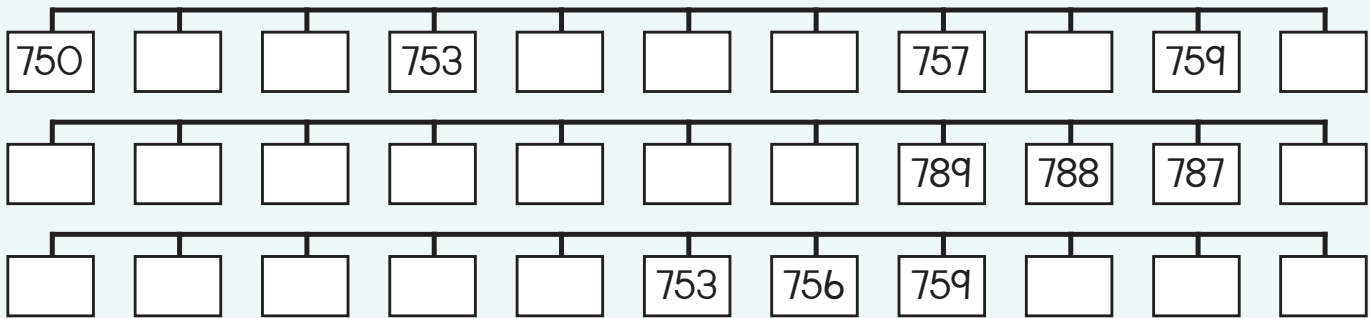
Ubale amabhlogo amangaki?



Uwabale njani amabhlogo?



Qedelela amanambalayini.



Qedelela itheyibula.

Tlola ukusuka kencani khulu uye kekulu khulu

Tlola ukusuka kekulu khulu uye kencani khulu

776, 772, 779, 770, 778		
736, 703, 730, 713, 703		



Tlola iinomboro ezilandelako ngamagama.

788	
-----	--

Teacher: _____

Sign: _____

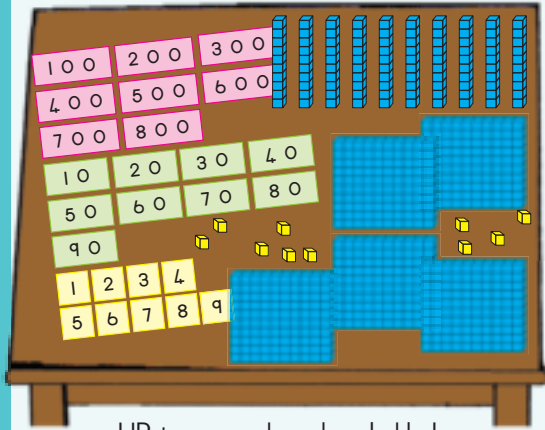
Date: _____

qq

Ilanga:

Ezinye iinomboro kusuka ku-700 kufika ku-800

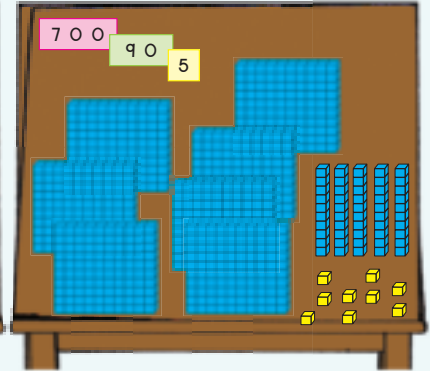
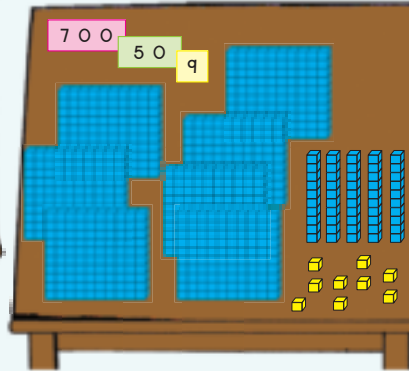
Ithemu 4



UPeter unamakarada wobukhulu bedijidi kanye namabhlogo wamatjumi asisekelo.

Utijhere ubawe uPeter ukutjengisa inomboro 759 ngamakarada wakhe kanye nangamabhlogo.

Ngilokhu okutjengiswe nguBen. Ngikuphi okungakalungi akwenzileko?



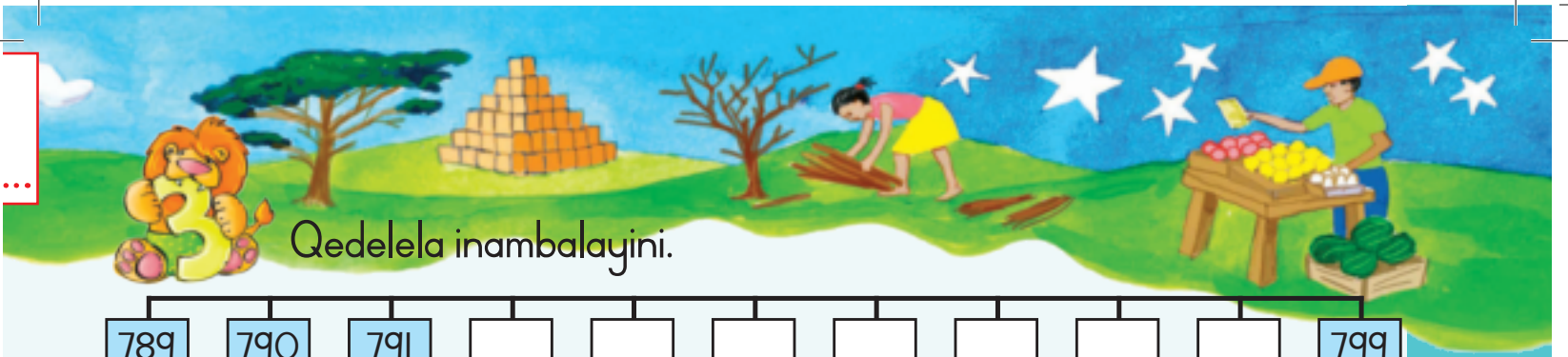
Tlola umutjho weenomboro bese uyaphendula.

$700 + 60 + 7 = 767$		



Tlola umutjho weenomboro bese uyaphendula.

$700 + 90 + 9$ $=$	$500 + 50$ 	$60 + 5$
-----------------------	--------------------	------------------



Qedelela inambalayini.

789	790	791								799
-----	-----	-----	--	--	--	--	--	--	--	-----

Nikela zoke iinomboro ezincani khulu kunenomboro 795 _____

Nikela zoke iinomboro ezikulu khulu kunenomboro 795. _____



Tlola itshwayo $< \text{nanyana} > =$

a. 799 _____ 766 b. 745 _____ 750

c. $700 + 90 + 7$ _____ 767



Hlephula kggedlha inomboro yakho.

- Yakha enye nenye inomboro ngamakarada wakho.
- Tlola ubungako benye nenye idijidi. Kwanje yenza lokhu: Yihlephule nanyana uyikghedlhe inomboro yakho.

790	
689	
699	
755	
690	

Isibonelo: 799

700
90
9
799
799 = 700 + 90 + 9



Tlola amabizo weenomboro.

668	
757	
799	
742	
691	



Teacher: _____
Sign: _____
Date: _____

Ilanga:

100

Iinomboro 800 kufika ku-900

Ithemu 4



Bala bewutlole!

- a. Bala ukusuka ku-800 – 900. Phimisa iinomboro nawulokhu ubala.



800

801			804					810
							818	
	822							
				836				
841								849
							858	
		873						
							888	890
	892			895				900

- b. Tlola iinomboro ezitlhayelako egridini engehla.
- c. Tlola iinomboro ezili-10 eziza ngemva kwaka-800.

800; _____; _____; _____; _____; _____; _____; _____; _____; _____

- d. Tlola iinomboro ezibu-8 ezilandelako ngephetheni yangaku-2.

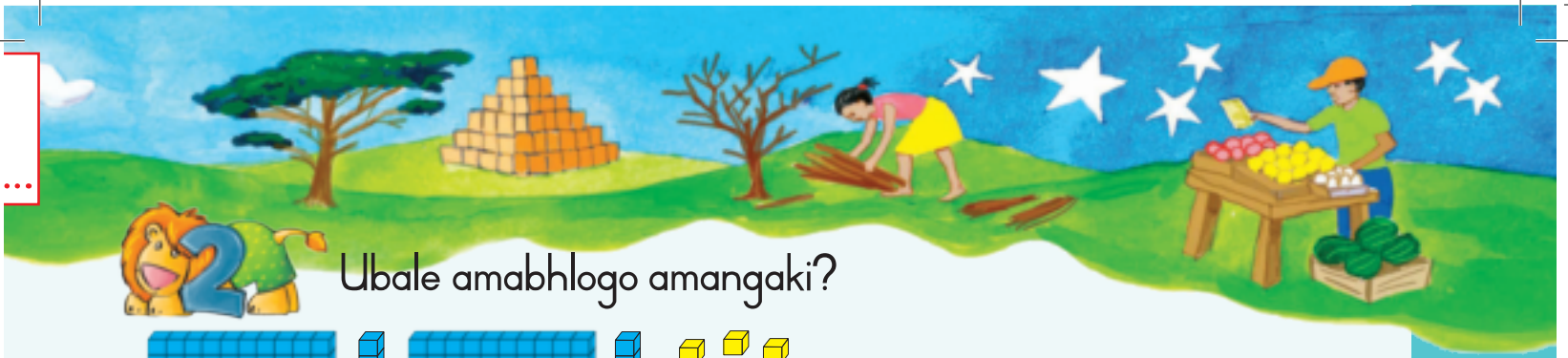
852; 854; 856; _____; _____; _____; _____; _____; _____; _____

- e. Tlola zoke iinomboro ngephetheni yangaku-2 ukusuka ku-807 ukufika ku-829.

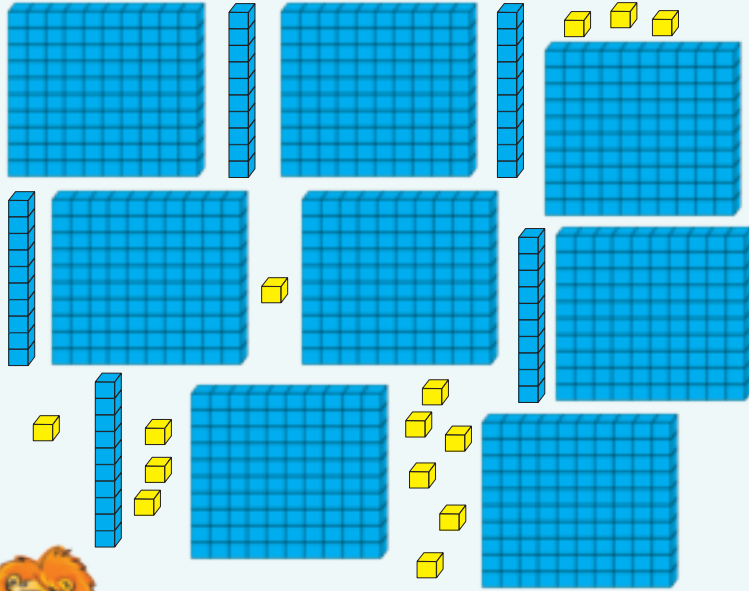
807; _____; _____; _____; _____; _____; _____; _____; _____; 829

- f. Tlola iinomboro ezibu-8 ezilandelako ngephetheni yangaku-5.

834; 839; 844; _____; _____; _____; _____; _____; _____; _____



Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela amanambalayini.

830			833				837	838		
							876	881	886	
					843	846	849			



Qedelela itheyibula.

Tlola ukusuka kencani khulu uye kekulu khulu

Tlola ukusuka kekulu khulu uye kencani khulu

856, 853, 855, 851, 857		
898, 801, 810, 819, 891		



Tlola iinomboro ezilandelako ngamagama.

845	
-----	--

Teacher:

Sign:

Date:

Ezinye iinomboro kusuka ku-800 kufika ku-900

Ithemu 4

UPeter unekarada elilandelako lobukhulu bedijidi kanye namabhlogo wamatjhumi asisekelo.

Utijhere ubawe uPeter ukutjengisa u-854 ngekarada lakhe kanye namabhlogo.

UBen utjengise lokhu. Ngikuphi akwenzileko okungakalungi?



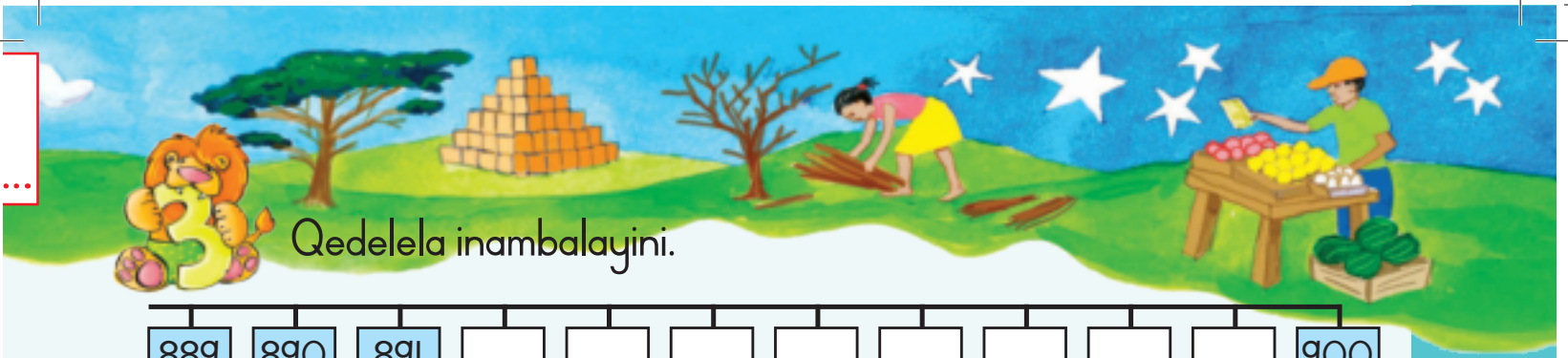
Tlola umutjho weenomboro bese kulandele ipendulo yakho.

$800 + 80 + 5 = 885$	<div style="border: 1px solid black; width: 100px; height: 30px;"></div>	<div style="border: 1px solid black; width: 100px; height: 30px;"></div>



Tlola umutjho weenomboro kanye nependulo yakho.

$800 + 50 + 2$	$800 + 90 + 7$	$800 + 3$
$=$	<div style="border: 1px solid black; width: 100px; height: 30px;"></div>	<div style="border: 1px solid black; width: 100px; height: 30px;"></div>



Qedelela inambalayini.

889	890	891								900
-----	-----	-----	--	--	--	--	--	--	--	-----

Tlola zoke iinomboro ezincani kunenomboro 894. _____

Tlola zoke iinomboro ezikulu kunenomboro 894. _____



Tlola itshwayo $< \text{nanyana} > =$

a. 899 _____ 898 b. 802 _____ 820

c. $900 + 70 + 5$ _____ 785



Hlephula kggedlha inomboro yakho.

- a. Yakha enye nenye inomboro ngamakarada wakho.
- b. Tlola ubungako benye nenye idijidi. Kwanje yenza lokhu: Yihlephule nanyana uyikghedlhe inomboro yakho.

890	
889	
802	
855	
840	

Isibonelo: 876

800
70
6
876

876 $800 + 70 + 6$



Tlola ngamagama.

889	
825	
803	
830	
899	

○

□

△

Teacher: _____
 Sign: _____
 Date: _____

Ukukala/Ukumeda izinto

Ithemu 4



Qala iinthombe ezilandelako bese uphendula imibuzo.



- Ingabe isibha sepuyere esiyi-1 kg silula nanyana sibudisi khulu kunesibha sepuyere esiyi-2 kg?

- Ngikuphi okulula khulu: Ukudla okumakaritjha okungebhoksini elinobudisi obuma-500 g nanyana iphakethe yamabhiskiti ema-200 g?

- Ngikuphi okubudisi khulu: Isizeso sesikhumba esima-100 g nanyana iphakethe eyi-1 kg yesitampa?



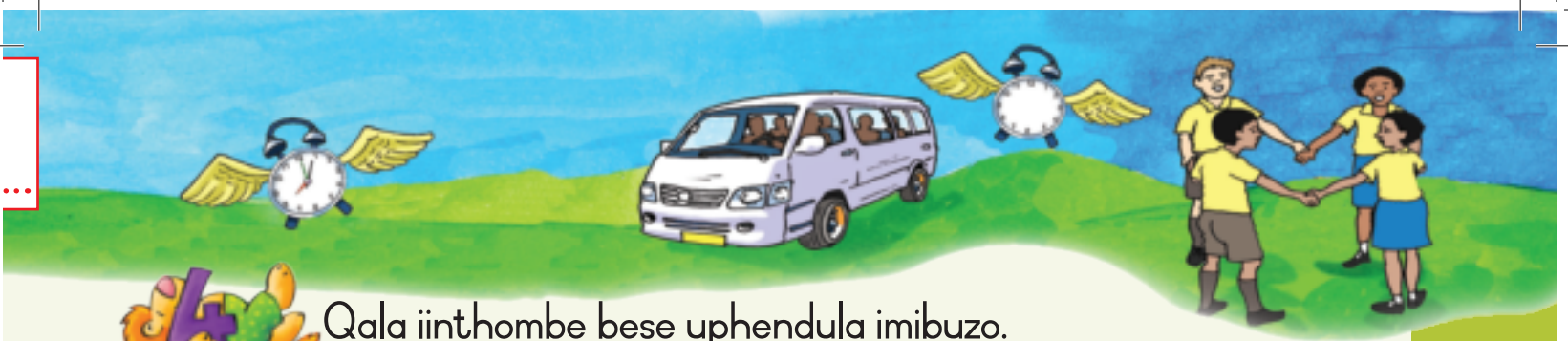
Sisoke sikala ubudisi obungangani?

Ngikala 25 kg, umngani wami ukala 29 kg bese kuthi umnakwethu akale 4,5 kg.




Imikhiqizo sele iyoke ikala kangangani?


Umkhiqizo wokuthoma ukala 1 kg 500 g, umkhiqizo wesibili ukala 3 kg 500 g kuthi wokugcina ukale 2 kg 500 g.



Qala iinthombe bese uphendula imibuzo.



Isilinganiso esima-1,5 kg
siyafana ne-1 kg kanye
ne-500 g.



I-2,5 kg iyafana ne-2
kg kanye ne-500 g.

Ngingatlola njani ama-3,5 kg
ngamakhilogramu nanyana
ngamagramu?



Qedelela itheyibula.

Utijhere wenu uzonikela izinto ezihlanu ekuzokumele niziqale. Linganisa ubudisi bese niyazimeda.

Into	Ukulinganisa	Ukumeda	Umehluko hlangana kokulinganisa nokumeda



Imikhiqizo ikala kangangani?

Into Umkhiqizo wokuthoma ukala 2 kg 500 g, umkhiqizo wesibili ukala 1 kg 500 g kuthi wokugcina ukale 3 kg 500 g.



Teacher: _____

Sign: _____

Date: _____

Asikale okhunye godu

Ithemu 4

Imasi kulokha nasilinganisa kobana kunento engangani nanyana into ingangani. Into nayibabudisi khulu, kutjho kobana iqina khulu begodu akubi lula ukuyiguga.

Ubudisi kulokha nakukalwa amandla wegravithi, okumamandla adosela izinto phasi. Amandla adosela izinto phasi mancani khulu enyangeni, okutjho kobana izinto zikala kancani khulu phezulu.

Ephasini sisebenzisa ngamalanga iinlinganiso ezifanako kumasi nanyana ebudisini. Simedana/Silinganisa imasi ngamakhilogremu kanye namagremu.

Iinlinganiso/Iinkala ezahlukeneko

Sisebenzisa iinkala/iinlinganiso ezahlukeneko ukumeda nanyana ukulinganisa imasi kanye nobudisi. Silinganisa imasi ngokubhalansa kanye nobudisi ngesikala sesipringhi.

Ilitha yamanzi inemasi eli-1 kg.

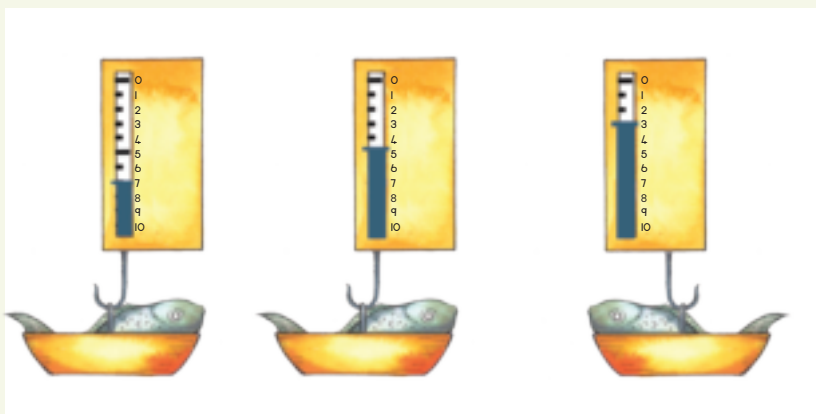


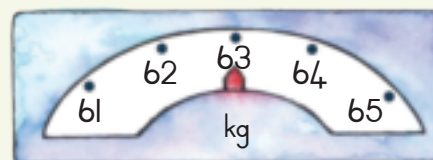
Ihlambi inobudisi obuma-3 kg.

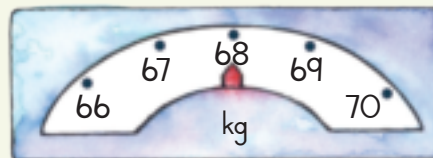


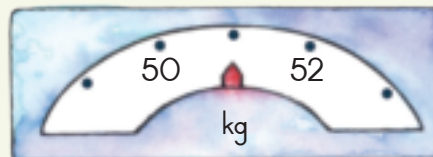
Funya ubudisi babo.

Tlola ubudisi ngamakhilogremu atjengiswe kesinye nesinye isikala sesipringhi ezilandelako.





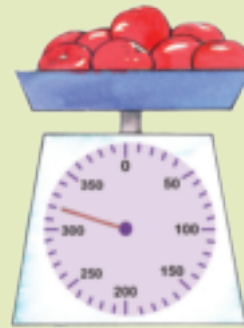




Sisebenzisa amagremu ukumeda imasi yezinto ezincani nanyana ezilula kanye nokumeda amacezu wamakhilogremu.

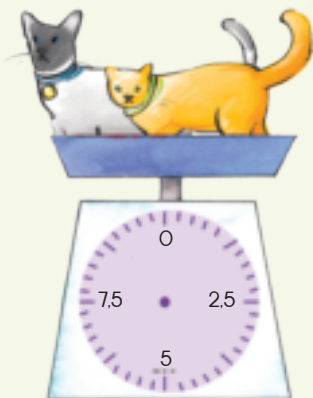
$$1\ 000\ \text{g} = 1\ \text{kg}$$

Esikaleni sesipringhi lesi, omunye nomunye umuda omncani unobudisi bamagremu ali-10. Amatamati akala amagremu ama-320.

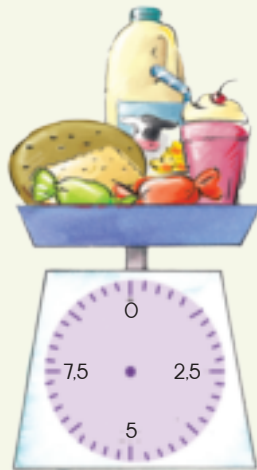


Lokhu kukala kangangani?

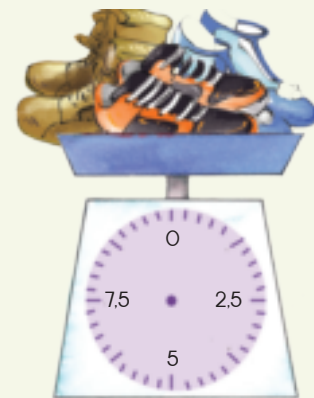
Njalo gwala umkhonto wesikala ngapho okufanele uye ngakhona.



7 kg



4 kg



6 kg



Yenza ikhilogremu.

Hlanganisa ukwenza i-1 kg (1 000 g.)

- $125\ \text{g} + 250\ \text{g} + 125\ \text{g} + \underline{\hspace{2cm}}\ \text{g} = 1\ 000\ \text{g}\ (1\ \text{kg})$
- $50\ \text{g} + 30\ \text{g} + 240\ \text{g} + 60\ \text{g} + 100\ \text{g} + \underline{\hspace{2cm}} = 1\ \text{kg}$
- $57\ \text{g} + 46\ \text{g} + 243\ \text{g} + 334\ \text{g} = \underline{\hspace{2cm}} = 1\ 000\ \text{g}\ (1\ \text{kg})$
- $50\ \text{g} + 90\ \text{g} + 160\ \text{g} + \underline{\hspace{2cm}} = 1\ 000\ \text{g}\ (1\ \text{kg})$



Teacher: _____
Sign: _____
Date: _____

Iinomboro 900 kufika ku-1 000

Ithemu 4



Bala bese uyatlola.

- a. Bala ukusuka ku-900 – 1 000. Phimisa iinomboro nawulokhu ubala.



900

901		903						910
							919	
		943				948		
981								
991							999	

- b. Tlola iinomboro ezitlhayelako egridini engehla.
- c. Tlola iinomboro ezili-10 eziza ngemva kwaka-900.

900; _____; _____; _____; _____; _____; _____; _____; _____; _____

- d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-2.

946; 948; 950; _____; _____; _____; _____; _____; _____; _____

- e. Tlola zoke iinomboro ngephetheni yangaku-2 ukusuka ku-945 ukufika ku-967.

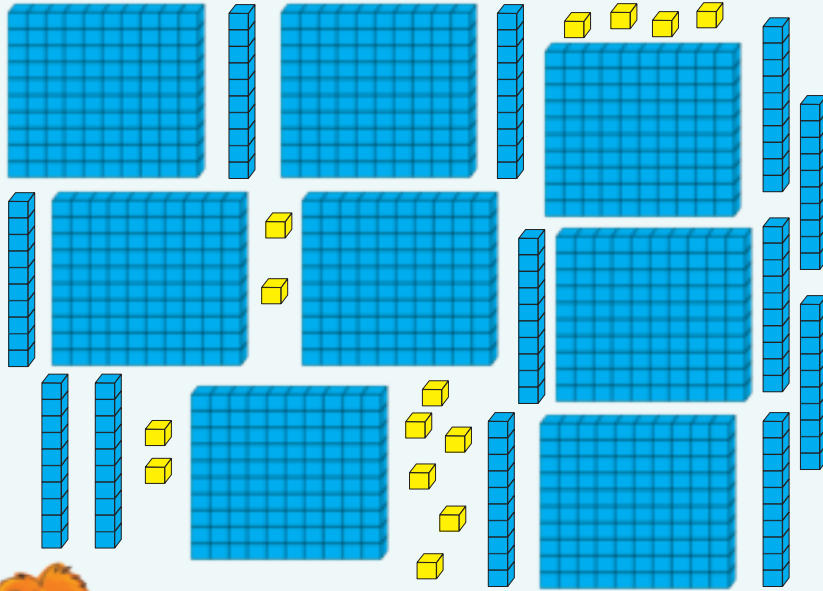
945; _____; _____; _____; _____; _____; _____; _____; _____; 967

- f. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-5.

936; 941; 946; _____; _____; _____; _____; _____; _____; _____



Ubale amabhlogo amangaki?



Uwabale njani amabhlogo?



Qedelela amanambalayini.

950			953				957	958		
							956	961	966	
					903	906	909			



Qedelela itheyibula.

Tlola ukusuka kencani khulu kuye kekulu khulu

Tlola ukusuka kekulu khulu uye kencani khulu

936, 933, 935, 931, 937	
978, 907, 970, 917, 971	



Tlola okulandelako ngamagama.

695	
-----	--

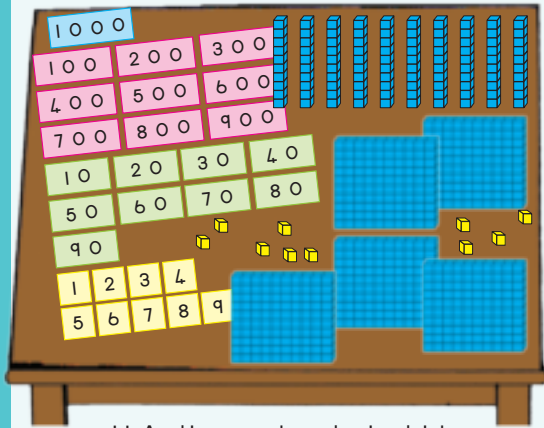
Teacher:

Sign:

Date:

Ezinye iinomboro kusuka ku-900 kufika ku-1 000

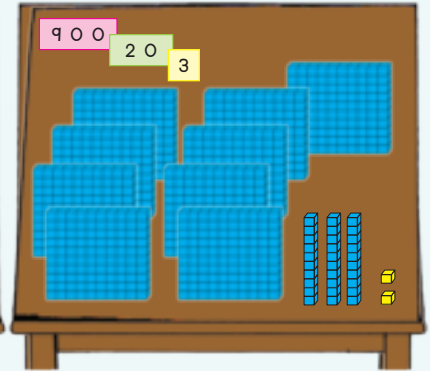
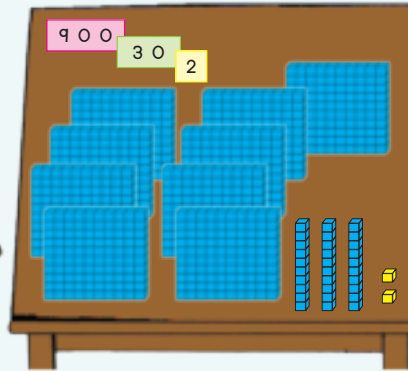
Ithemu 4



U-Andile unamakarada alandelako wobukhulu bedijidi kanye namabhlogo wamatjumi asisekelo.

Utijhere ubuza u-Andile kobana atjengise inomboro 932 ngamakarada wakhe kanye namabhlogo.

Lokhu ngokutjengiswe nguGugu. Ngikuphi okungakalungi akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.

$900 + 80 + 4 = 984$

$900 + 30 + 2 =$

$900 + 20 + 3 =$



Tlola umutjho weenomboro bese utlola ipendulo.

$900 + 90 + 9 =$

$=$

$900 + 20 =$

$=$

$900 + 8 =$

$=$



Qedelela inambalayini.

989	990	991								999
-----	-----	-----	--	--	--	--	--	--	--	-----

Nikela zoke iinomboro ezincani kune-995. _____

Nikela zoke iinomboro ezikulu kune-995. _____



Qedelela ngetshwayo $< \text{nanyana} > =$.

a. 999 _____ 998 b. 957 _____ 975

c. $900 + 60 + 1$ _____ 961



Hlephula kghedlha inomboro yakho.

a. Yakha enye nenye inomboro ngamakarada wakho.

b. Tlola ubungako bedijidi. Kwanje yenza lokhu: Kghedlha/Hlephula inomboro yakho.

922	
959	
980	
907	
931	

Isibonelo: 984

900
80
4
984

984 $900 + 80 + 4$



Tlola amabizo weenomboro.

976	
905	
950	
821	
909	



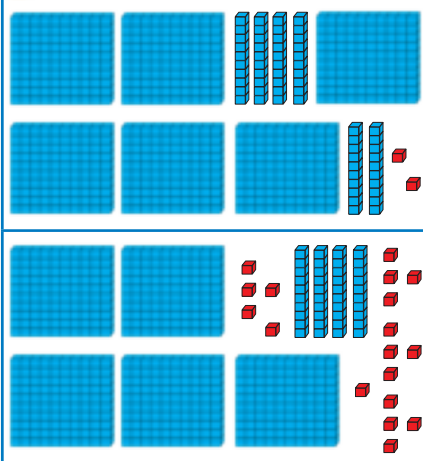
Teacher: _____
Sign: _____
Date: _____

Ukuhlenganisa nokukhupha kufika ku-999

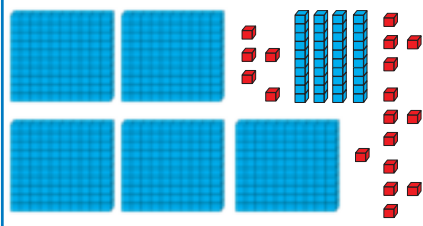
Ithemu 4



Tlola umutjho weenomboro kilokhu okulandelako.



Hlathulula kobana uwabale njani amabhlogo?



Hlathulula kobana uwabale njani amabhlogo?



Sebenzisa isibonelo ukuze sikuhlahle.

50	50	U-50 nakabuyelelwe kabili ipendulo li-100.	300	300	
200	200		3	3	



Sebenzisa pheze okubuyelelwe kabili ukurarulula okulandelako. Sebenzisa isibonelo ukuze sikuhlahle.

a. $43 + 44 =$	buyelela kabili $43 + 1$	$43 + 43 + 1 = 87$
b. $81 + 41 =$		
c. $40 + 41 =$		
d. $66 + 67 =$		



Sebenzisa okubuyelelwe kabili nanyana okuseduze kokubuyelelwe kabili ukurarulula okulandelako. Sebenzisa isibonelo ukuze sikuhlale.

a. Inomboro ema-340 nayibuyelelwe kabili

$$= 340 + 340$$

$$= \text{Buyelela kabili } 340$$

$$= 300 + 300 + 40 + 40$$

$$= 600 + 80$$

$$= 680$$

b. $340 + 341$

$$= \text{Buyelela kabili } 340 + 1$$

$$= 300 + 300 + 40 + 40 + 1$$

$$= 600 + 80 + 1$$

$$= 681$$

c. $470 + 470$

d. $461 + 462$



Rarulula okulandelako:



Abafundi bamaGreyidi 2 babuthelele amamabula ama-360.

Abafundi bakaGreyidi 3 babuthelele amamabula alinani eliphasi kunabafundi bamaGreyidi 2, babuthelele amamabula ama-216.

Abafundi bakaGreyidi 3 banamamabula amangaki?



Kwangendlini

Ithemu 4



Ilanga lokubhaga.

Ukghari uPhindi ubhaga uburotho nge-ovenini yakhe.
Tjengisa isikhathi emawatyhini alandelako.

Ukhupha uburotho lokha imizuzu imihlanu
ngemva kwe-iri lesihlanu.

Ukhupha uburotho nge-ovenini lokha imizuzu
imihlanu ngemva kwe-iri lesihlanu.

Uburnotho buthatha isikhathi esingangani ukuvuthwa? _____



Unina laka-Ann usebenzisa imakhro-oveni. I-oveni isebenza msinya khulu.

Kwanje isikhathi sithi 16:30. Qala isikhathi sokupheka esibekwe
ewatyhini yemakhro-oveni.

Uburnotho buzokulunga ngemva kwesikhathi esingangani? _____

Imakhro-oveni imsinya kangangani kune-oveni? Imsinya ngemizuzu _____.



Umsebenzi wekuseni.

NgoMgqibelo ekuseni uMusa noPalesa
basiza unina ngomsebenzi wangendlini. Ingabe omunye nomunye
uthatha isikhathi esingangani ngomsebenzi awenzako?



	Ukuthoma	Ukuqeda	Kuthatha isikhathi esingangani?
Isidlo sekuseni	6:15	6:40	
Ukuhlanza izitja	7:20	8:05	
Ukuhlwengisa ikhwitjhi	8:20	9:15	
Ukuhlwengisa indlwana yokuhlambela	10:00	10:25	
Ukuhlwengisa amakamero	11:30	12:15	



Ukuthelalela isivande.

Iphayiphi lokuthelalela lingasebenzisa amalitha ama-30 ngomzuzu munye!

Malitha amangaki wamanzi angasetjenziswa liphayiphi:

Emizuzwini emi-2, amalitha _____.

Emizuzwini emi-2 $\frac{1}{2}$, amalitha _____.

Emizuzwini emi-5, amalitha _____.








Emizuzwini eli-10, amalitha _____.



Ukupheka isitjulu.

Uyise lakaBabu uthengisa isitjulu. Ngeveke eyodwa usebenzisa amafutha wokupheka ama-750 ml.

Utlola phasi kobana usebenzisa amafutha wokupheka angangani ngelanga.

NgoMvulo	NgeLesibili	NgeLesithathu	NgeLesine	NgeLesihlanu	NgoMgqibelo	NgoSondo
						

a. Usebenzisa amamilitha (ml) amangaki we-oli kusukela ngoMvulo kufikela ngoMgqibelo?
_____ ml

b. Usebenzisa amamilitha (ml) amangaki we-oli ngoSondo? _____ ml

c. Ibhodlelo elilodwa lesilinganiso sa-750 samamilitha (ml) libiza ama-R18,50.

Amabhodlelo ama-4 abiza malini? _____.



Hlolisa!
Madanisa!
Lungisa!

Teacher: _____

Sign: _____

Date: _____

Ukusebenza ngemali

Ithemu 4



Bala imali yesimbi/emumuwa kanye neyamaphepha.

$10 \times \text{1c} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{1c} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{1c} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{2c} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{2c} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{2c} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{5c} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{5c} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{5c} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{10c} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{10c} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{10c} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{20c} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{20c} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{20c} = \text{R} \underline{\hspace{1cm}}$
$100 \times \text{1c} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{5c} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{20c} = \text{R} \underline{\hspace{1cm}}$
$100 \times \text{2c} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{10c} = \text{R} \underline{\hspace{1cm}}$	



Ikhamba ngesitimela.

UKgethi nabentwana bakhe aba-3 bakhamba ngesitimela. Abantu abadala kanye nabentwana babhadela ngokufana. UKgethi ubhadela ngemali yamaphepha elandelako.



Ufuyana itjhentjhi ema-R30.

Ithikithi ngalinye libiza malini? Thika (✓) ipendulo enembako:

- a. R90 _____ b. R32 _____ c. R80 _____ d. R4,50 _____

Hlolisa!
Madanisa!
Lungisa!



Isiphaza sakaSandile.

USandile ugcina amarikhotho wemali ayirholako etheyibuleni. Kokuthoma uyalinganisa bese uyabalisisa ingeniso yakhe yaqobe ngelanga. Ingeniso yimali esiyirholako nanyana esiyifunyanako. Siza uSandile ukuqedelela ukubalisisa kwakhe. Tlola iimpendulo zakho ngetheyibuleni:

		Ukulinganisa	Inani
NgoMvulo	R50 + R75 + R200 + R350 + R25		
NgeLesibili	R25 + R175 + R50 + R320 + R90		
NgeLesithathu	R50 + R75 + R200 + R350 + R25		
NgeLesine	R120 + R55 + R180 + R245 + R25		
NgeLesihlanu	R60 + R150 + R140 + R200 + R125		
NgoMgqibelo	R50 + R75 + R200 + R350 + R25		
NgoSondo			



Bala kobana yimalini itjhentjhi.

Ukufunyana itjhentjhi yakho ungahlanganisa kobana izinto zibiza malini bekufike lapha ubala imali yamaphepha eseleko noyiphetheko.

Isibonelo:
UPalesa uthenga ukudla ngemali ema-R87,50
Ubhadela ngemali eliphepha ema-R200.
Yimalini itjhentjhi yakhe?

+ 50c + R2 + R10 + R100

R87,50 R88 R90 R100 R200

$50c + R2 + R10 + R100 = R112,50$ Itjhentjhi

Sebenzisa amanambalayini ukuze akusize ukubala itjhentjhi.

Iindleko:
R229,40

Bhadela ngama-:

Iindleko:
R305,60

Bhadela ngama-:



Teacher: _____
Sign: _____
Date: _____

Okhunye ukuhlanganisa kanye nokukhupha bekufike ema-999

Ithemu 4



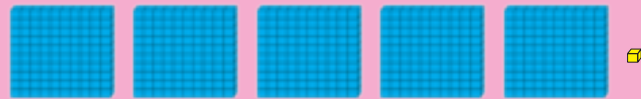
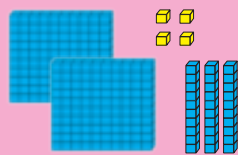
Asirarulule isibalo.

UGugu ubuthelele iintika ezima-234
 UMandla umuphe ezinye ezima-501
 Kwanje uGugu sele aneentika ezingaki?

Uthini umbuzo?
 Kwanje sele aneentika ezingaki?
 Lithini igama eliqakathekileko? ezingezelelweko
 Zithini iinomboro? 234 ne-501



Lokhu kwenziwe nguLisa ukurarulula isibalo sakaGugu.



Asitjengise lokhu ngamabhlogo wethu asisekelo wamatjhumi.



U-Aakar wenze lokhu.
 Wenze umgwalo.



ULisa uwabeke ngendlela efanako neyaka-Aakar njani amabhlogo asisekelo wamatjhumi.
 Sebenzisa inomboro emrarweni ukusombulula okungenzasi ngeendlela ezimbili ozifundileko bekube nje.

Indlela yoku-1	Indlela yesi-2
----------------	----------------



Imisebenzi eyenziwa ekuseni.

UThemi ubuthelela izinto ngehlelo lesikolo lokubuyekza izinto ezingasetjenziswa godu. Ubuthelele amabhodlelo wamaplastiki ama-624 namathini ama-268. Ubuthelele okungaki sele kukoke?

Uthini umbuzo? _____

Zithini iinomboro?	Lithini igama eliqakathekileko? Thika ipendulo ekungiyiyo. Igama eliqakathekileko listjela kobana: Hlanganisa <input type="text"/> Khupha <input type="text"/>
Yenza umgwalo.	Sebenzisa indlela yakho ukuveza isisombululo.

Isitolo sineempaka ezima-900 zeswigiri. Ngemva kokuthengisa ezinye iimpaka, sisele ngeempaka zeswigiri ezima-659. Isitolo sithengise iimpaka zeswigiri ezingaki?

Uthini umbuzo? _____

Zithini iinomboro?	Lithini igama eliqakathekileko? Thika ipendulo ekungiyiyo. Igama eliqakathekileko listjela kobana: Hlanganisa <input type="text"/> Khupha <input type="text"/>
Yenza umgwalo.	Sebenzisa indlela yakho ukuveza isisombululo.



Okhunye ukuhlanganisa nokukhupha ukufika ku-999

Ithemu 4

Qala imigwalo bese uyahlathulula.



a. $223 + 223 =$ _____.

b. $160 + 160 =$ _____.

c. $115 + 115 =$ _____.

d. $315 + 315 =$ _____.

e. $117 + 117 =$ _____.

f. $450 + 450 =$ _____.

g. $112 +$ _____ $= 224$

h. $116 +$ _____ $= 232$



Tlola iinomboro.

a. Ama-523 nakangezelelwe nge-12
_____.

b. Ama-540 nakaphungulwe nge-15
ipendulo _____.

c. Ama-576 nakangezelelwe ngama-20
ipendulo _____.

d. Ama-590 nakaphungulwe ngama-60
ipendulo _____.

e. Ama-537 nakaphungulwe ngama-29
ipendulo _____.

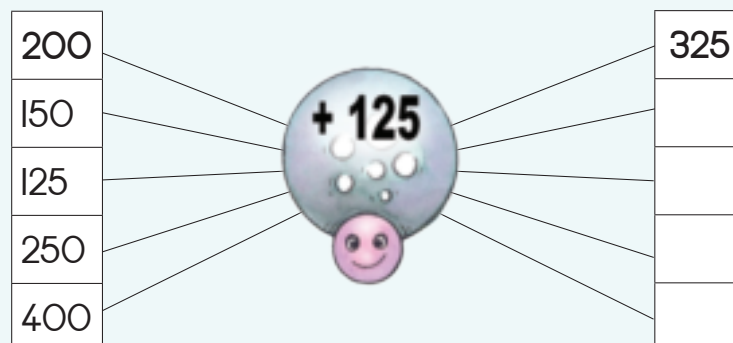
f. Ihafu yama-300, ipendulo
_____.

g. Ama-420 nakabuyelelwe kabili ipendulo
_____.

h. Ihafu yaka-600, ipendulo-
_____.



Hlanganisa
ne-125.





Ngikuphi ekwenza i-1 000?

a.	$200 + 150 + 50 + \square = 1000$	e.	$25 + \square + 900 = 1000$
b.	$1000 = 560 + \square + 400$	f.	$\square + 700 + 50 = 1000$
c.	$670 + \square = 1000$	g.	$1000 = 420 + \square + 500$
d.	$910 + 40 + \square = 1000$	h.	$\square + 30 + 900 = 1000$

Funyana imindeni yeenomboro yoku-+ kanye neyoku-.

Isitjengiso: $125 + 600 = 725$ $725 - 125 = 600$ $725 - 600 = 125$

$123 + 77 = \square$	$\square - 77 = 123$	$\square - 123 = 77$
$650 + \square = 800$	$800 - 650 = \square$	$\square + 650 = 800$
$1000 - 250 = \square$	$1000 - \square = 250$	$250 + \square = 1000$
$56 + \square = 300$	$300 - \square = 56$	$\square + 56 = \square$
$820 + \square = 1000$	$1000 - \square = 820$	$1000 - 820 = \square$



Hlolisisa!
Madanisa!
Lungisa!



Hlanganisa bewususe amatjumi kanye namakhulu.

a. Amatjumi kanye namakhulu

$78 + 10 =$	$149 + 10 =$	$456 + 100 =$	$987 + 10 =$
$636 + 100 =$	$801 + 100 =$	$727 + 100 =$	$612 + 10 =$
$456 - 10 =$	$749 - 100 =$	$829 - 100 =$	$987 - 10 =$
$875 + 10 =$	$709 - 100 =$	$815 + 10 =$	$903 - 100 =$

b. Amatjumi apheleleko (Ukubuyabuyelela nge-10)

$150 - 30 =$	$190 - 60 =$	$175 - 50 =$	$990 - 80 =$
$210 + 90 =$	$335 + 60 =$	$660 + 50 =$	$812 + 60 =$
$256 - 50 =$	$320 - 30 =$	$785 - 60 =$	$999 - 90 =$
$567 + 37 =$	$671 + 90 =$	$832 + 80 =$	$928 + 80 =$

Rarulula okulandelako:

$925 + 53 = \square$ $571 + 202 = \square$ $786 + 75 = \square$ $903 + 95 = \square$




Amaphazeli wokumeda/wokulinganisa

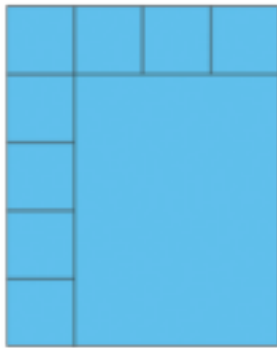
Ithemu 4



Funyana i-eriya.

Ziinkwere ezingaki zobukhulu  lobu ozozitlhoga ukwembesa isithombe esinye nesinye? Sebenzisa yakho indlela ukurarulula umraro. Ungazigwala iinkwere eentombeni ukuze zikusize ukurarulula.

a.



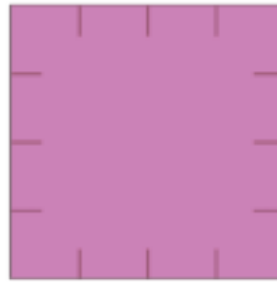
b.



c.

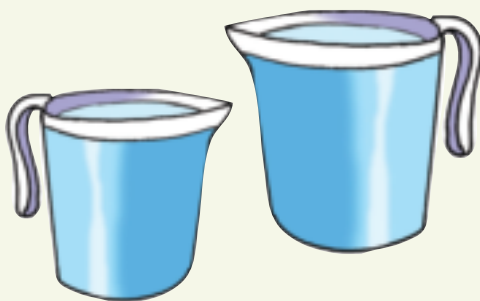


d.





Rarulula isirarejo.



Ufuna ukumeda amalitha wamanzi ama-4 poro.

Uneemumathi ezimbili kwaphela: esinye simumatha amalitha ama-3 bese kuthi esinye simumathe amalitha ama-5.

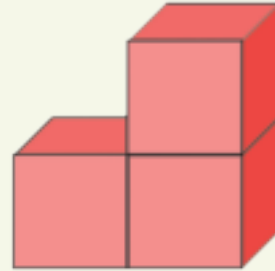
Wenza njani?

Umtlhala: okungenani kuneendlela okungizo ezimbili.



Ubona ini?

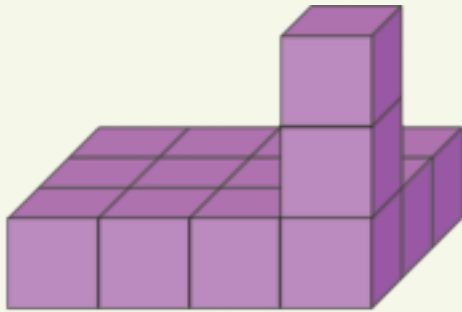
Amabhlogo amathathu ananyathiselwe ndawo yinye njengesithombeni.



Nangabe udobha amabhlogo ahlanganiswe ndawo yinye womabili, ubala iinkwere ezingaki ngaphandle?



Bala amakhyubhu.



Makhyubhu amangaki enze ijamo elilandelako?



Isitjhijilo: isirarejo sesikhathi

Uneensetjenziswa ezimbili ezicupha isikhathi.

Esinye silinganisa poro imizuzu eli-7 esinye silinganisa poro imizuzu eli-11.

Ungazisebenzisa njani iinsetjenziswa ezimbili lezi ukulinganisa kobana imizuzu eli-15 idlule kuhlehle nini?

Hlolisa!
Madanisa!
Lungisa!



Teacher: _____

Sign: _____

Date: _____

Amaphetheni weenomboro: amatjhumu ukufika ku-900

Asibale ngokulitjhumu ukusuka ku-810 ukufika ku-900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Iinomboro ezindulungelweko zisitjengisa yiphi iphetheni?

Ezindulungelwe ngokubovu: Ukubala ngaku- ____.

Tlola phasi iphetheni: _____

Ezindulungelwe ngokuhlaza satjani: Ukubala ngaku- ____.

Tlola phasi iphetheni: _____



Balisisa.

a. $874 + 10 + 10 + 10 =$ _____

b. $858 - 10 - 10 - 10 - 10 =$ _____

c. $845 + 10 + 10 =$ _____

d. $858 - 10 - 10 - 10 =$ _____

e. $836 + 10 =$ _____

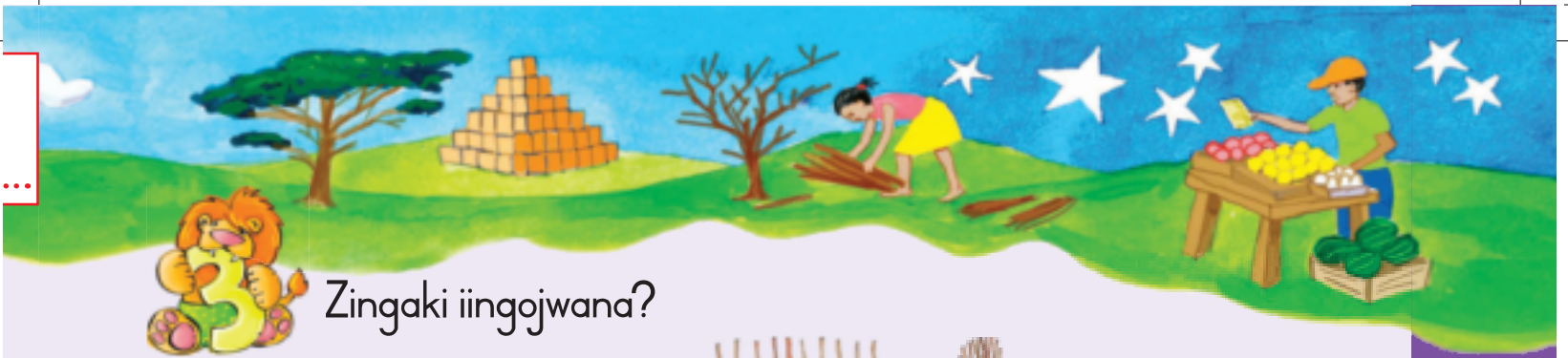
f. $866 - 10 - 10 =$ _____

g. $892 + 10 + 10 + 10 =$ _____

h. $87 - 10 - 10 - 10 =$ _____

i. $880 + 10 + 10 =$ _____
















j. $855 - 10 =$ _____



Zingaki iingojwana?

Kuneengojwana ezilitjhumi enyandeni eyodwa.



1		=	_____	iingojwana	10		=	_____	iingojwana
2		=	_____	iingojwana	20		=	_____	iingojwana
3		=	_____	iingojwana	30		=	_____	iingojwana
4		=	_____	iingojwana	40		=	_____	iingojwana
5		=	_____	iingojwana	50		=	_____	iingojwana
6		=	_____	iingojwana	60		=	_____	iingojwana
7		=	_____	iingojwana	70		=	_____	iingojwana
8		=	_____	iingojwana	80		=	_____	iingojwana
9		=	_____	iingojwana	90		=	_____	iingojwana
10		=	_____	iingojwana	100		=	_____	iingojwana



Imida yeengojwana.



Kuneenyanda ezilitjhumi zeengojwana emudeni ngamunye = neengojwana ezili-100

Umuda owo-1 weenyanda ezili-10 ÷ iingojwana ezili-100 $10 \times 10 = 100$

Imida emi-2 weenyanda ezili-10 ÷ _____ zeengojwana $20 \times 10 =$ _____

Imida emi-4 weenyanda ezili-10 ÷ _____ zeengojwana $40 \times 10 =$ _____

Imida eli-10 weenyanda ezili-10 ÷ _____ zeengojwana $100 \times 10 =$ _____



Ziinyanda ezingaki?

Iingojwana ezima-700 zibopha iinyanda _____.

Iingojwana ezima-900 zibopha iinyanda _____.

Iingojwana ezili-1 000 zibopha iinyanda _____.



○

□

△

Teacher: _____
 Sign: _____
 Date: _____

Ukutjhideza eduze ne-10

Ithemu 4

Sesikwenzile okhunye ukutjhideza eduze lapha sesidlule khona kelinye iphepha lokusebenzela. Qala inambalayini bese uhlathululela umngani wakho kobana ungatjhideza njani uye etjhumini elilandelako.

Khumbula, kufuze uqale amayunidi nawutjhideza eduze kwe-10 elilandelako.



Tjhideza eduze kwe-10.

U-114 nakatjhidezwe eduze kuba? _____

U-117 nakatjhidezwe eduze kuba? _____



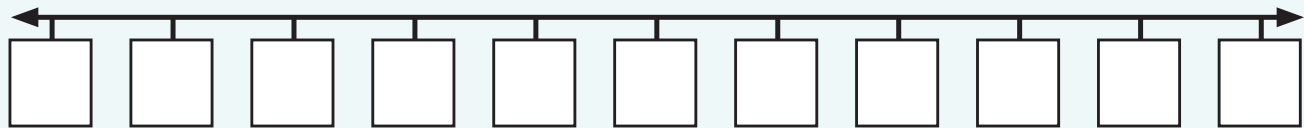
U-159 nakatjhidezwe eduze kuba? _____

U-151 nakatjhidezwe eduze kuba? _____

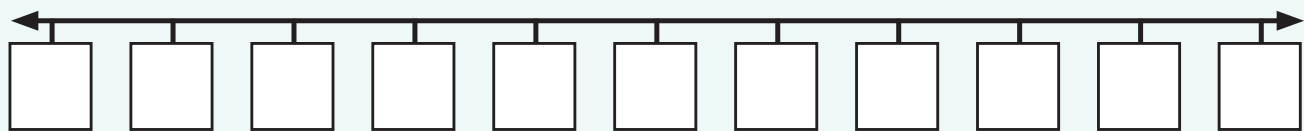


Tjhideza eduze kwe-10. Zigwalele inambalayini yakho.

195



945





Ukutjhideza eduze kwe-10.

Ngaphambi kokutjhideza:

- Tlola phasi kobana ngiziphi iinomboro ezimbili ezimatjhumini otjhideza duze nazo.
- Tjengisa nge- \longrightarrow kobana inomboro ekutjhidezwa kiyo ikuphi kunambalayini.

a. U-128 nakatjhidezwe eduze kwetjhumini kuba-130



b. 877



c. 901



d. 566



e. 999



Tjhideza iinomboro ezilandelako eduze kwe-10.

- a. 161 b. 583 c. 415 d. 848 e. 612
 f. 230 g. 327 h. 989 i. 534 j. 748



Ngitlhoga ama-RIO wephapha amangaki?

UMbali nabangani bakhe aba-8 baya esikolweni ukugidinga ilanga lokuzithabisa.

Ukungena emasangweni kubiza ama-R4 umuntu ngamunye. UMbali wabulunga imali

ukuze abhadalele abangani bakhe. Waya emtjhinini we-ATM ukuze adose imali.

I-ATM inikela imali yamaphepha kwaphela. Utlhoga ama-RIO wephapha amangaki.

Teacher:
 Sign:
 Date:

Ilanga:

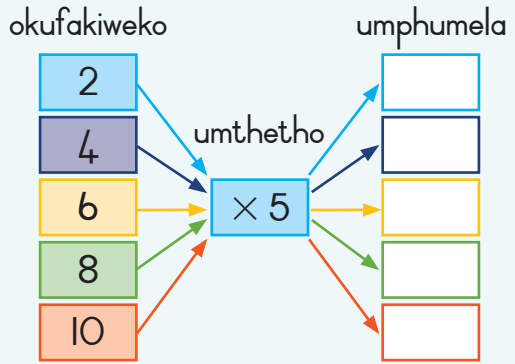
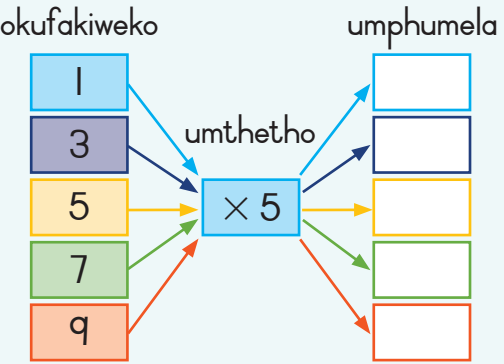
113

Ukubuyabuyelela nokuhlukanisa: ngakuhlani ukufika ku-100

Ithemu 4



Qedelela umgwalo owehlako.



Qedelela itheyibula engenzasi:

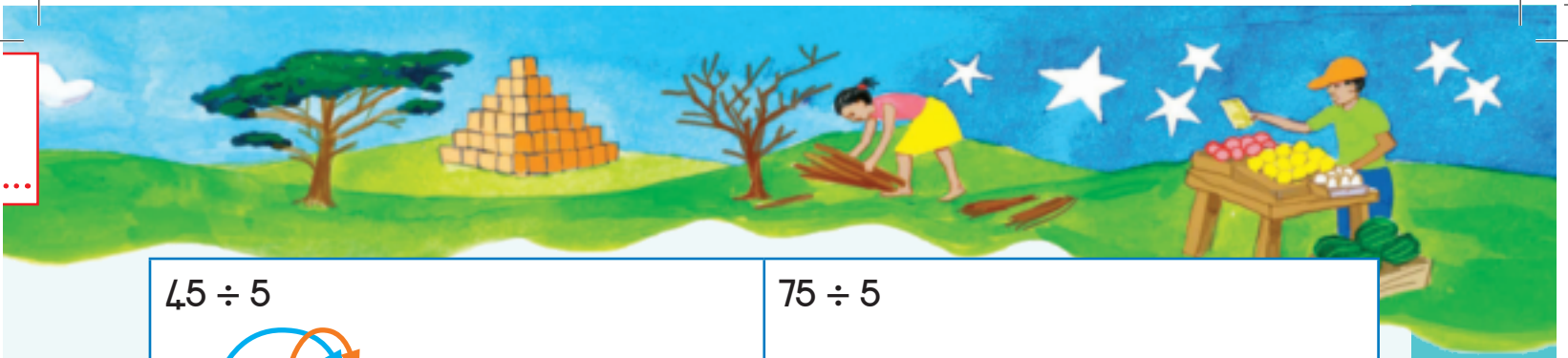
\times	1	2	3	4	5	6	7	8	9	10
5										



Balisisa:

12×5 $= (10 + 2) \times 5$ $= 50 + 10$ $= 60$	11×5
13×5 $= (10 + 3) \times 5$ $= 50 + 15$ $= 50 + 10 + 5$ $= 65$	13×5





$$45 \div 5$$

$$= (40 + 5) \div 5$$

$$= (45 \div 5) + (5 \div 5)$$

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

$$= (40 + 8) \div 5$$

$$= (40 \div 5) + (8 \div 5)$$

$$= 8 + 1 \text{ isalela } 3$$

$$= 9 \text{ rem } 3$$

$$13 \div 5$$



Rarulula imiraro elandelako:

Isivande semirorho sinemida eli-14 yeentjalo.

Umuda omunye nomunye unenani elilinganako leentjalo.

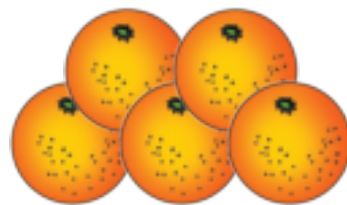
Nangabe inani loka lima-70 weentjalo, emudeni ngamunye kuneentjalo ezingaki?



UDavid uthengisa imigodla yama-orentji ngaphakathi komgodla ngamunye kunama-orentji amahlanu.

Unama-orentji ama-85.

Mangaki ama-orentji angazalisa umgodla?



Teacher: _____

Sign: _____

Date: _____

Amaphetheni weenomboro: ngakuhlani bekufike ku-1 000

Asibale ngakuhlani ukuthoma ku-805 ukufika ku-900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Iinomboro ezindulungelweko zisitjengisa yiphi iphetheni?

Ezindulungelwe ngokuhlaza sasibhakabhaka:	Ukubala ngaku- _____
Tlola iphetheni:	
Ezindulungelwe ngokuphephuli:	Ukubala ngaku- _____.
Tlola iphetheni:	



Balisisa.

a. $875 + 5 + 5 + 5 = \underline{\quad}$	b. $850 - 5 - 5 - 5 = \underline{\quad}$	c. $845 + 5 + 5 = \underline{\quad}$
d. $830 - 5 - 5 - 5 = \underline{\quad}$	e. $886 + 5 = \underline{\quad}$	f. $846 - 5 - 5 = \underline{\quad}$
g. $802 + 5 + 5 + 5 = \underline{\quad}$	h. $801 - 5 = \underline{\quad}$	i. $853 - 5 - 5 - 5 = \underline{\quad}$



Ibhodi leenomboro 901 kufika ku-1 000.

901		903	904	905	906		908	909	910
911		913	914	915	916		918	919	920
921		923	924	925	926		928	929	930
931		933	934	935	936		938	939	940
941		943	944	945	946		948	949	950
951		953	954	955	956		958	959	960
961		963	964	965	966		968	969	990
971		973	974	975	976		978	979	990
981		983	984	985	986		988	989	990
991		993	994	995	996		998	999	1 000



Qedelela ngeenomboro ezitlhayelako.

Uyini umehluko hlangana kweenomboro ezinombala ohlaza sasibhakabhaka nalezo ezinombala ophephuli eziphephuli owodwa?



Qedelela amaphetheni.

Uyayiyelela iphetheni?	Hlathulula iphetheni.
963, 968, 973, 978, 983, _____	
944, 949, 954, 959, 964, _____	
921, 926, 931, 936, 941, _____	
956, 951, 946, 941, 936, _____	
982, 987, 992, 997, _____	
927, 922, 917, 912, 907, _____	

Teacher: _____
 Sign: _____
 Date: _____



Ibng:

Okhunya

okufanako mahlangothi womabili



Isiboniboni, isiboniboni.



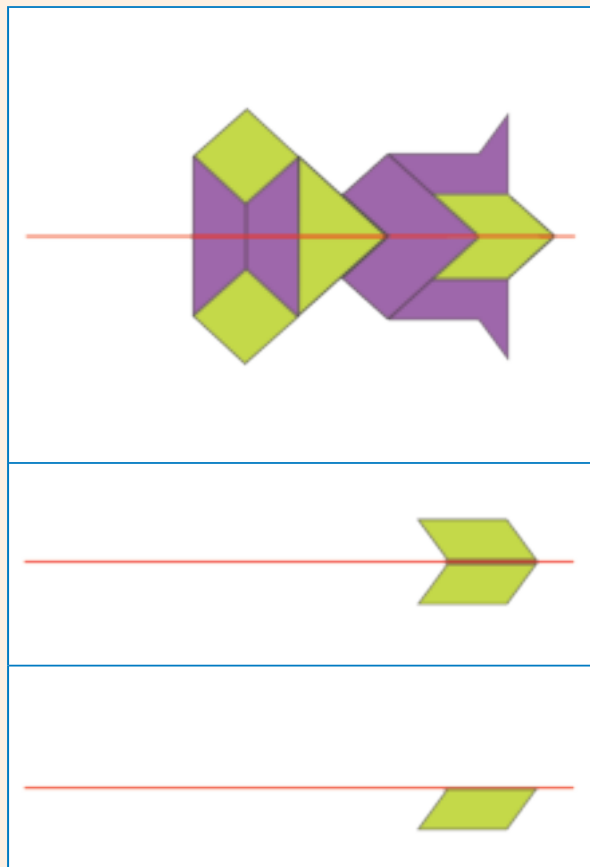
Dlala nomngani wakho nisebenzise enye yamasede wamaphazela wamatshajili (aneenqetjhana ezili-14) kiboSika IO.

Umdlali ngamunye uneenqetjhana ezizoba yihafu (iinqetjhana ezili-7) zamjamo wamaphazeli. Akukameli kobana abadlali babe neenqetjhana ezifanako. Gwala umuda phakathi naphakathi kwephepha. Umuda lo uzokuba "mumuda wokubuyisa".

Umdlali wokuthoma ubeka isiqetjhana sakhe eduze komuda.

Umdlali wesibili ubeka ukubuyisa kwakho ngakelinye ihlangothi lomuda. Kumele isiqetjhana sithinte umuda nanyana elinye ijamo esele libekiwe.

Raga uye phambili bekufike lapha sewusebenzise zoke iinqetjhana.



Gwala elinye ihlangothi lejamo.

Ngemva kwalapho tjengisa umuda otyengisa ukufana mahlangothi woke.

Isibonelo:

Gwala umuda otyengisa ukufana mahlangothi womabili wokulandelako:



Thika amjamo anemida enemboko efana mahlangothi womabili.



Teacher: _____
Sign: _____
Date: _____

Amaphetheni weenomboro: ngakubili bekufike ku-900

Asibale ngakuhlano ukusuka ku-802 bekufike ku-900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Inomboro ezindulungelweko zitjengisa amaphetheni maphi?

Ezindulungelwe ngokuhlaza sasibhakabhaka:	Ukubala ngaku _____
Tlola phasi iphetheni:	
Ezindulungelwe ngokuhlaza satjani:	Ukubala ngaku _____
Tlola phasi iphetheni:	



Balisisa.

a. $872 + 2 + 2 + 2 =$ _____	b. $820 - 2 - 2 - 2 =$ _____	c. $844 + 2 + 2 =$ _____
d. $832 - 2 - 2 - 2 =$ _____	e. $883 + 2 =$ _____	f. $842 - 2 - 2 =$ _____
g. $801 + 2 + 2 + 2 + 2 =$ _____	h. $815 - 2 =$ _____	i. $846 - 2 - 2 - 2 =$ _____



Inomboro ezingalinganiko kanye nezilinganako.

a. Cwala u-(X) eduze kweenomboro ezingalinganiko kanye netswayo (✓) eduze kweenomboro ezingalinganako.

- 914 923 916 907 929 912 911 915
- 908 917 925 931 930 910 909 922 933

b. Phendula ngokuthi zulingalingana nanyana azilingalingani.

- Nawuhlanganisa inomboro ezimbili ezingalinganako, ufuyana ipendulo eyinomboro _____
- Hlanganisa inomboro ezimbili ezingalinganako, ufuyana ipendulo eyinomboro _____
- Nawuhlanganisa inomboro ezintathu ezingalinganiko, ufuyana ipendulo eyinomboro _____



Ukutjola imithi.

Le ngenye yeendlela zokutjola imithi ema-48 ngemarejini alinganako.



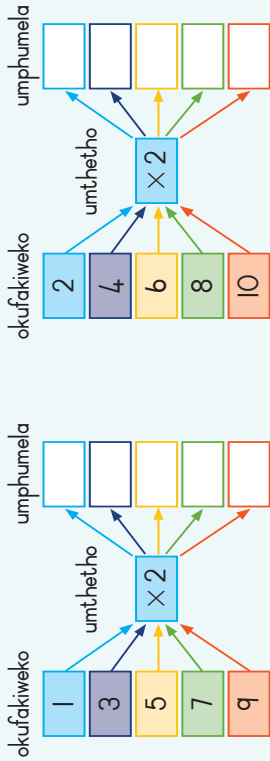
Singatlola riye: $2 \times 24 = 48$ (Imida emi-2 yemithi ema-24 = 48) nanyana $48 \div 2 = 24$ (Imithi ema-48 erhenjiswa ngemida emi-2 elinganako iba imithi ema-24 emudeni ngamunye).
Bala Imida kanye nemithi kesinye nesinye Isithombe. Tlola u X kanye no-÷ wemithi yeenomboro ukumadanisa.

a. $\frac{\quad}{\quad} \times \frac{\quad}{\quad} =$	
$\frac{\quad}{\quad} \div \frac{\quad}{\quad} =$	
b. $\frac{\quad}{\quad} \times \frac{\quad}{\quad} =$	
$\frac{\quad}{\quad} \div \frac{\quad}{\quad} =$	
c. $\frac{\quad}{\quad} \times \frac{\quad}{\quad} =$	
$\frac{\quad}{\quad} \div \frac{\quad}{\quad} =$	
d. Fuyana enye indlela yokutjola imithi ema-48 ngemideni.	e. Fuyana enye indlela yokutjola imithi ema-48 ngemideni.
$\frac{\quad}{\quad} \times \frac{\quad}{\quad} =$	$\frac{\quad}{\quad} \times \frac{\quad}{\quad} =$
$\frac{\quad}{\quad} \div \frac{\quad}{\quad} =$	$\frac{\quad}{\quad} \div \frac{\quad}{\quad} =$

Teacher: _____
Sign: _____
Date: _____

**Ukubuyabuyelela nokuhlukanisa:
ngakubili bekufike ku-100**

Gedelela umgwalo wesiswebu.



Gedelela itheyjibula engenzasi.

×	1	2	3	4	5	6	7	8	9	10
2										

Balisisa:

$$\begin{aligned}
 12 \times 2 &= (10 + 2) \times 2 \\
 &= 20 + 4 \\
 &= 24
 \end{aligned}$$

$$\begin{aligned}
 18 \times 2 &= (10 + 8) \times 2 \\
 &= 20 + 16 \\
 &= 20 + 10 + 6 \\
 &= 36
 \end{aligned}$$

$$11 \times 2$$

$$22 \times 2$$

Ilanga:

$$46 \div 2$$

$$\begin{aligned}
 &= (40 + 6) \div 2 \\
 &= (40 \div 2) + (6 \div 2) \\
 &= 20 + 3 \\
 &= 23
 \end{aligned}$$

$$74 \div 2$$

$$\begin{aligned}
 47 \div 2 &= (40 + 7) \div 2 \\
 &= (40 \div 2) + (7 \div 2) \\
 &= 20 + 3 \text{ isalela } 1 \\
 &= 23 \text{ isalela } 1
 \end{aligned}$$



Rarulula umraro olandelako:

Ishivande semirorho sinemida ema-32 yeentjalo.

Ulmuda omunye nomunye uneentjalo ezi-2.

Kuneentjalo ezingaki esivandeni?

Ishivande sinemida ema-40 yeentjalo.

Ulmuda omunye nomunye uneentjalo ezilingandako.

Nangabe kunenani leentjalo ezima-80 emudeni ngamunye, kuneentjalo ezingaki?

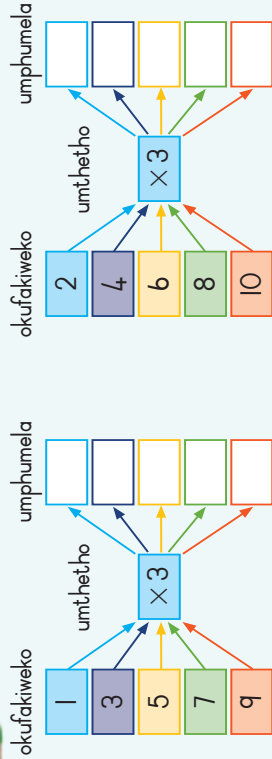


Ilanga:

Ukubuyebuyelela kanye nokuhlukanisa ngakuthathu bekufike ku-100



Qedelela umgwalo wesiswebu.



Qedelela itheyibula engenzasi:

×	1	2	3	4	5	6	7	8	9	10
3										



Balisisa:

$$\begin{aligned}
 12 \times 3 &= (10 + 2) \times 3 \\
 &= 30 + 6 \\
 &= 36
 \end{aligned}$$

$$\begin{aligned}
 17 \times 3 &= (10 + 7) \times 3 \\
 &= 30 + 21 \\
 &= 30 + 20 + 1 \\
 &= 51
 \end{aligned}$$



$ \begin{aligned} 63 \div 3 &= (60 + 3) \div 3 \\ &= (60 \div 3) + (3 \div 3) \\ &= 20 + 1 \\ &= 21 \end{aligned} $	96 ÷ 3
$ \begin{aligned} 65 \div 3 &= (60 + 5) \div 3 \\ &= (60 \div 3) + (5 \div 3) \\ &= 20 + 1 \text{ isalela } 2 \\ &= 21 \text{ isalela } 2 \end{aligned} $	98 ÷ 3



Rarulula iminaro elandelako:

UMarlene unamaswidi ama-30.

La maswidi abuyelelwe kalitjhumu kilawa uJacob anawo.

UJacob unamaswidi amangaki?

Isivande semirorho sinemida ema-29 yeenitjalo.

Umuda ngamunye uneentjalo ezi-3.

Ziintjalo ezingaki ngesivandeni?



Amaphetheni weenomboro: ngakuthathu bekufike ku-1 000

Asibale ngakuthathu kusuka ku-803 bekufike ku-899.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Iinomboro ezindulungelweko zityenjisa amaphetheni maphi?

Ezindulungelwe ngoku-orenji:	Ukubala ngaku _____.
Tlola phasi iphetheni:	_____.
Ezindulungelwe ngakuhlaza satjani:	Ukubala ngaku _____.
Tlola phasi iphetheni:	_____.



Balisisa.

a. $873 + 3 + 3 + 3 =$	b. $824 - 3 - 3 - 3 =$	c. $841 + 3 + 3 =$
d. $837 - 3 - 3 - 3 =$	e. $889 + 3 =$	f. $846 - 3 - 3 =$
g. $802 + 3 + 3 + 2 =$	h. $819 - 3 =$	i. $880 - 3 - 3 - 3 =$

Ibanga: _____

Ibhodi leenomboro ukusuka ku-901 ukufika ku-1 000.

901		903	904		906	907		909	910
	912	913		915	916		918	919	
921	922		924	925		927			930
931		933	934		936	937		939	940
	942	943		945	946		948	949	
951	952		954	955		957			960
961		963	964		966	967		969	990
	972	973		975	976		978	979	
981	982		984	985		987			990
991		993	994		996	997		999	1 000



Tlola iinomboro ezitlhayelako.

Khalara amabhlogo weenomboro ezitlhayelako ngokuhlaza satjani. Khalara ibhoksi elimhlophe elineenomboro ngaphakathi ngombala obovu. Ulbona iphetheni yiphi?



Qedelela amaphetheni.

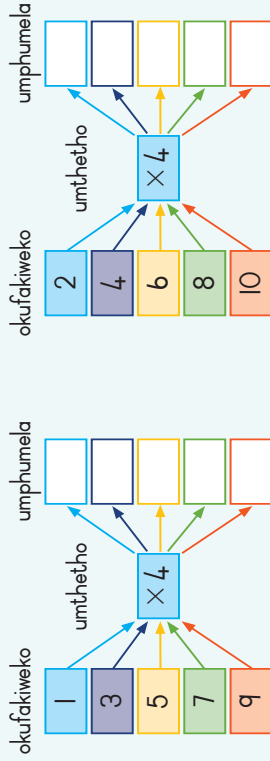
a. Hlanganisa nabo-4 abane ku-981.	984, 987, 990, 993
b. Hlanganisa abo-5 abahlanu ku-973.	_____
c. Khupha abo-4 abane ku-975.	_____
d. Khupha abo-3 abathathu ku-947.	_____
e. Hlanganisa nabo-2 ababili ku-932.	_____



Teacher: _____
Sign: _____
Date: _____

Ukubuyabuyelela nokuhlukanisa ngakune bekufike ku-100

Qedelela umgwalo wesiswebu.



Qedelela itheyibula engenzasi:

x	1	2	3	4	5	6	7	8	9	10
4										

Balisisa:

$$12 \times 4 = (10 + 2) \times 4 = 40 + 8 = 48$$

$$13 \times 4 = (10 + 3) \times 4 = 40 + 12 = 52$$

$$11 \times 4$$

$$15 \times 4$$

Ilanga:



$$48 \div 6$$

$$= (40 + 8) \div 4 = (40 \div 4) + (8 \div 4) = 10 + 2 = 12$$

$$45 \div 4$$

$$= (40 + 5) \div 4 = (40 \div 4) + (5 \div 4) = 10 + 1 \text{ isalela } 1 = 11 \text{ isalela } 1$$



Teacher: _____
Sign: _____
Date: _____



Rarulula imiraro elandelako:

UTony unamaswidi ama-36.

Udla amaswidi amane ngelanga.

Amaswidi la angawadla ngamalanga amangaki?

UDavid uthengisa iphakethe enama-orenthji amane ngaphakathi.

Unama-orenthji ama-88.

Angabopha amaphakethe amangaki wama-orenthji?



Amaphetheni weenomboro: ngakune bekufike ku-1 000

Asibaleni ngakune kusuka ku-804 ukufika ku-900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Iphetheni yeenomboro ezindulungelweko zisitjengisa ini?

Ezindulungelwe ngokuhlaza satjani:	Ukubala ngaku _____.
Tlola phasi iphetheni:	_____.
Ezindulungelwe ngokuphephuli:	Ukubala ngaku _____.
Tlola phasi iphetheni:	_____.



Tlola phasi iphetheni:

a. $872 + 4 + 4 + 4 =$	b. $821 - 4 - 4 - 4 =$	c. $840 + 4 + 4 =$
d. $836 - 4 - 4 - 4 =$	e. $885 + 4 =$	f. $845 - 4 - 4 =$
g. $803 + 4 + 4 + 4 =$	h. $813 - 4 =$	i. $847 - 3 - 3 - 3 =$



Ibhodi leenomboro 901 kufika e-1 000.

901	903	904	905	907	908	909	
911	912	913	915	916	917	919	920
921	923	924	925	927	928	927	
931	932	933	935	936	937	939	940
941	943	944	945	947	948	949	
951	952	953	955	956	957	959	960
961	963	964	965	967	968	969	
971	972	973	975	976	977	979	980
981	982	983	984	985	987	988	989
991	992	993	995	996	997	999	1000

Qedelela ngeenomboro ezitlhayelako.



Khalarana amabhilogo weenomboro ezitlhayelako ngokuhlaza satjani. Khalarana ibhoksi elimhlophe elineenomboro ngaphakathi ngombala abovu. Ubona iphetheni yiphi?



Qedelela amaphetheni.

a. Hlanganisa nabo-4 abane ku-980.	984, 988, 992, 996
b. Hlanganisa abo-5 abahlanu ku-971.	_____
c. Khupha abo-4 abane ku-963	_____
d. Khupha abo-3 abathathu ku-927.	_____
e. Hlanganisa nabo-2 ababili ku-938.	_____

Teacher: _____
Sign: _____
Date: _____

Iingeenye ezilinganako zokupheleleko

Okupheleleko, ihafu, nanyana ungasika ngayiphi indlela.

Sika ukhuphe aboncant'hat'hu ephapheni elikhalaraweko (kusika II).

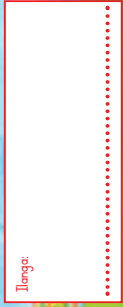
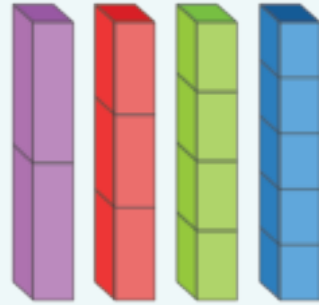
Linga iindlela ezinye ezahlukeneko zokwenza okupheleleko-ihafu.

1. Bhinca iphepha elijirekthengela ngobude libe yihafu. Sika iphepha lelo libe yihafu lapha ubhince khona. Elinye nelinye icezu linobukhulu obulingana patisi. Elinye nelinye icezu liyihafu ($\frac{1}{2}$) yerekt'hengela.
2. Bhinca elinye iphepha elijirekthengela libe yihafu ngehlangot'hi elibut'jigama. Sika iphepha libe yihafu lapha ubhince. Elinye nelinye icezu yihafu yesiqet'jhana sephepha ekuthonywe ngaso.
3. Ngijiphi enye indlela yokwahlukanisa iphepha libe ziingcezu ezimbili ezilinganako? Linga ezinye iindlela ngokusebenzisa iphepha kanye nesikere bese udweba umuda lapha ubhince khona ngemuva kwalapho usike.



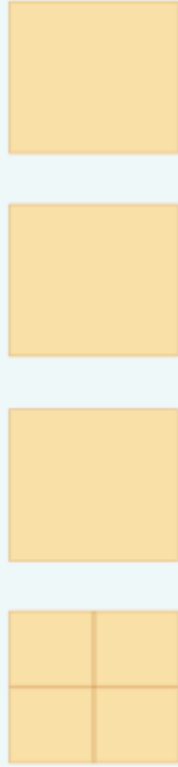
Amanye amacezu alinganako wokupheleleko.

- Nasehlukanisa into ibe ziingcezu ezi-2 ezilinganako, sibiza iingcezu lezo ngamahafu.
- Nasehlukanisa into ibe ziingcezu ezilinganako ezi-3, sibiza okukodwa kokuthathu.
- Nasehlukanisa into ibe ziingcezu ezilinganako ezi-4, sibiza ngamakota.
- Nasehlukanisa into ibe ziingcezu ezilinganako ezi-5, sibiza okukodwa kokuhlano.



Amasametjisi wesidlo semini.

UThabo nabangani bakhe aba-3 benza amasametjisi amanengi abazowadla ngesidlo semini. Bawasika abe makota. Okutjho kobana bawasika abe macezu ama-4, alinganako. Nasi enye indlela. Tjengisa iindlela ezi-3 ongenza lokhu:



Ukuhlukanisa kube macezu amane alinganako (amakota).

Lokha nasika into ibe makota ($\frac{1}{4}$ s), siyehlukanisa ibe macezu amane alinganako. Tshwaya (✓) iint'hombe kilezi ezingenzisi ezitjengisa amakota.

Hlalisa!
Macanisal
Lungisal

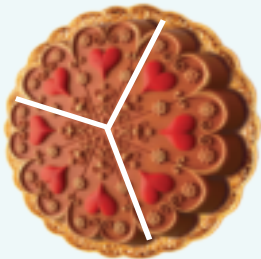
Activity area for cutting shapes into four equal parts. It includes a grid of shapes with checkboxes and a sign-in box.

Shapes shown: a blue rectangle, a red triangle, a purple square, a green diamond, a yellow pentagon, a pink circle, and an orange rectangle. Each shape has a small white box next to it for marking.

Sign-in box: Teacher: _____, Sign: _____, Date: _____

Imiraro yamacezu

Khulumisana nomngani wakho ngamacezu.



Ilungu: _____

Rarulula umraro ngokuphendula imibuzo nokwenza imidwebo.



a. Umbanduli wenebholo upha abadlali ngamunye ihafu ye-orenji. boke abadlali bali-14.

Uzokutlhogga ama-orenji amangaki? _____

Uthini umbuzo? _____

Yitjho iinomboro nanyana amacezu wesibalo esimraro? _____

Ngiliphi igama eliqakathhekileko? _____

Gwala isithombe. _____



Igama eliqakathhekileko ngilelo elizangisiza ukukhetha isihwayo lokubala elifaneleko.

Itihini ipendulo? _____

b. Umma unikela omunye nomunye wabangani bami abali-11 ikota ye-apula.

Utlhogga ama-apula amangaki? _____

Yitjho iimbalo nanyana amacezu wesibalo esimraro? _____

Ngiliphi igama eliqakathhekileko? _____

Gwala isithombe. _____



Itihini ipendulo? _____

c. Ngelanga lokuthengiswa kwamanandinandi esikolweni.

Kuthengiselwe abantu abama-24, iingcenywe zekhekhe.

Kuthengiswe amakhekhe amangaki? _____

Ngiliphi igama eliqakathhekileko? _____

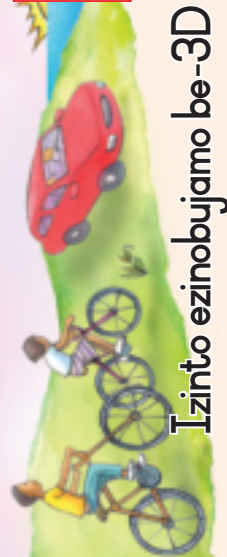
Gwala isithombe. _____



Itihini ipendulo? _____



Teacher: _____
Sign: _____
Date: _____



Izinto ezinobujamo be-3D

Qala iintombe ezilandelako.

Najisphi isiqhema esitjengisa iimbhola, amasilinda kanye nesitjengisa amabhoksi.

<p>A</p>	<p>B</p>	<p>C</p>
----------	----------	----------



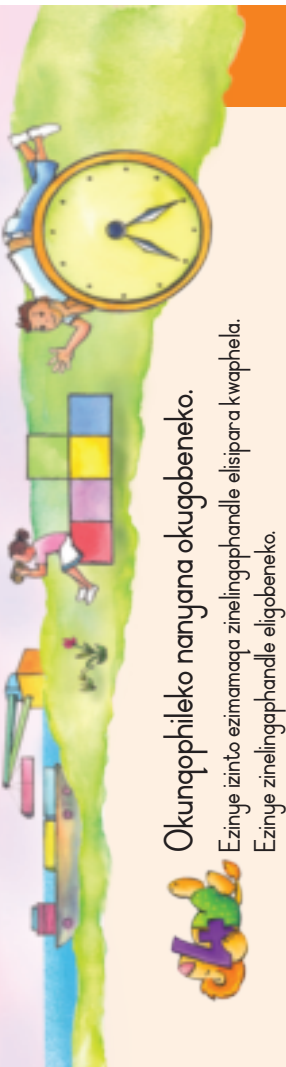
Ungagwala amabumbeko amangaki ngamawejisi anqophileko.

--	--



Thabela ipendulo enembko.

- It amati inebumbeko eliyibhola/elilibhoksi/eliyisilinda.
- Irhalasi yokusela inebumbeko eliyibhola/elilibhoksi/eliyisilinda.
- Incwadi inebumbeko eliyibhola/elilibhoksi/eliyisilinda.



Okunqophileko nanyana okugobeneke.

Ezinye izinto ezimamaqa zinelingaphandle elisipara kwaphela.
Ezinye zinelingaphandle eligobeneke.

<p>Isilinda inamahlangothi amabili asipara nelilodwa eligobeneke.</p>	<p>Ikhowunu inehlangothi elilodwa elisipara nelilodwa eligobeneke.</p>	<p>Isifuyere sigobene mahlangothi woke.</p>



Ukugedeka.

Gabanga ngesilinda, ikhowunu nanyana isifeyere singagedeka njani.

Kilezi izinto ezintathu, ngikuphi:

<p>a. Engekhe kwagedekela kude?</p>	
<p>b. Ekungagedeka kwaphela nakusemudeni anqophileko?</p>	
<p>c. Ekungagedekela nanyana ngakuliphi ihlangothi?</p>	



Iyini inede?

Ibumbeko elisipara lingabhinceka ukwenza isithombe esiqinileko esaziwa ngenede.

<p>A</p>	<p>B</p>
----------	----------

Tlola iledere lenede ongayibhinca ukwenza ikhowunu. _____

Tlola iledere lenede ongayibhinca ukwenza isilinda. _____

Amanye amacezu

Yitjho amacezu.

Tlola amacezu weent'hombe ezingenzasi:

a. Licezu bani elinombala obovu? _____	b. Licezu bani elinombala ohlaza satjani? _____
c. Licezu bani elinombala ohlaza sasibhakabhaka? _____	d. Licezu bani elinombala osarulani? _____

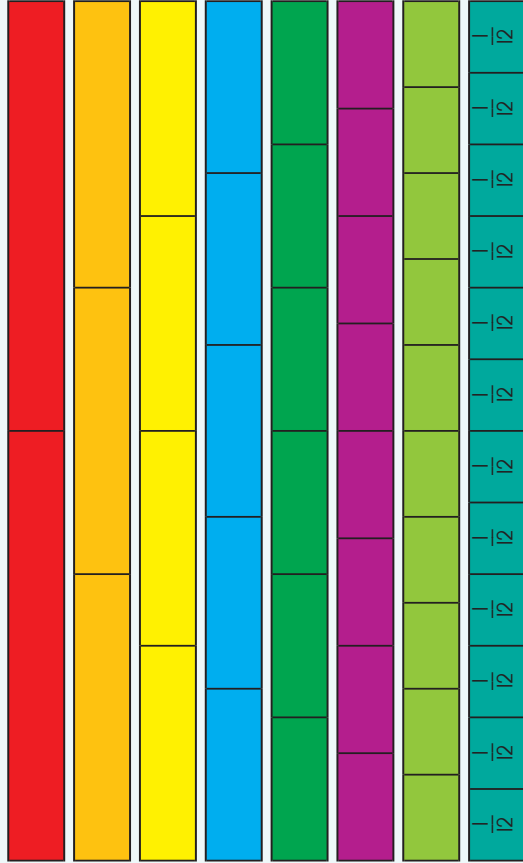


Phendula imibuzo.

- USizwe unamacezu amane wetjhokoleli. Upho umngani wakhe icezu elilodwa. Yena usele ngaliphi icezu letjhokoleli? _____
- UYasmin unama-orentji amabili. Wabelana no-Ann ama-orentji. Usele ngaliphi icezu? _____
- UMaria ut'henga iintina zamatjhokoleli ezi-5. Yena ut'hatha istina esisodwa, upha uMohamed iintina ezi-2, bese anikele umnkwabo iintina ezi-2. UMaria yena usele ngaliphi icezu? _____

Ilanga:

Umthangala wamacezu.

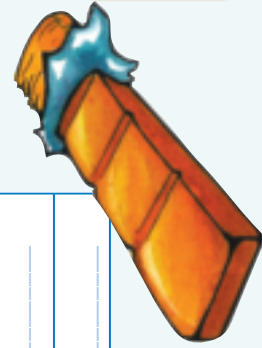


Umuda omunye nomunye wehlukaniswe ngeengcenywe ezilingandko. Umuda ongenzasi wehlukaniswe eengcenyeni zetjhum nambili. Leyibula eminye imida ngecezu elifaneleko. Sebenzisa irula ydkho nanyana umphepho wephepha onqophileko ukufunyanana kobana ngimaphi amacezu dlinganako, nokukusiza kobana uphendule imibuzo elandelako:

Ukusuka emthangaleni wecezu, funyana zoke ezinye iindlela ukwenza:

a. $\frac{1}{2}$	_____
b. Okukodwa okupheleleko	_____
c. $\frac{3}{4}$	_____

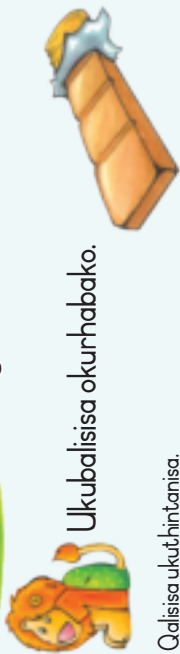
Qalasisal
Madanisisal
Lungisal!



Teacher: _____
Sign: _____
Date: _____

Ilangi:

Okhanye ukubuthelela nokwaba



Ukubalisisa okurhabako.

Qalisa ukuthintanisa.

$30 \div 3 =$	$15 \div 3 =$	$60 \div 3 =$	$600 \div 3 =$
$150 \div 3 =$	$24 \div 4 =$	$24 \div 8 =$	$240 \div 4 =$
$120 \div 4 =$	$12 \div 4 =$	$40 \div 10 =$	$40 \div 5 =$
$400 \div 10 =$	$400 \div 5 =$	$200 \div 5 =$	$18 \div 2 =$
$36 \div 2 =$	$72 \div 2 =$	$72 \div 4 =$	$72 \div 8 =$



Yaba lokho okuseleko.

UJabu nol'abo bafuna ukwabelana iinqetjhana ezili-13 zezijhokoleli. Omunye nomunye uzokufunyana iinqetjhana ezingaki?



Bangabelana kwaphela iinqetjhana ezili-12 ezizinkwere, omunye nomunye ufunyana ezizithandathu. isiqetjhana esiseleko basihlephula phakathi. Okutjho kobana omunye nomunye uneenqetjhana ezisi-6?



a. Ephathini abentwana abali-10 babelana imitletlana yamaswidi ema-25. Babele ngokulingana! Gwala iinthombe ezizokusiza.



Omunye nomunye umntwana ufunyana imitletlana yamaswidi _____

b. Yabela abentwana aba-4 imitletlana yamaswidi ema-37.

Omunye nomunye umntwana ufunyana imitletlana yamaswidi _____

c. Yabela abentwana aba-5 imitletlana yamaswidi ema-48.

Omunye nomunye umntwana ufunyana imitletlana yamaswidi _____

d. Yabela abentwana abali-10 imitletlana yamaswidi ema-73

Omunye nomunye umntwana ufunyana imitletlana yamaswidi _____



Teacher: _____
Sign: _____
Date: _____

Ilanga: _____

Amacezu wamathangramu

Itihangramu liphazeli yikade yabantu beChina eyakhiwe ngamajamo ali-7 asipara, abizwa ngamatihani. Woke angabekwa ndawonye ukwakha amagama ahlukeneke.

Amacezu wamathangramu.

	Qalalisa iphazeli lethangramu. Aboncantathu ababili abakhulu bamacezu maphi wesikwere esipheleleko? (Umbala opinki esithombeni.)	_____
	Nangabe ubhincane omunye waboncantathu abakhulu abe zingcenywe ezimbili ezilinganako, isiqetjhana esinye nesinye sibukhulu obulingana nebaboncantathu abaphakathi ngobukhulu. (Isithombe esisaulani.) Isikwere esipheleleko silicezu bani lakancantathu olingalingeneko.	_____
	Nangabe ubhincane uncantathu ophakathi ngobukhulu ube zingcenywe ezimbili ezilinganako, esinye nesinye isiqetjhana sibukhulu obulingana nebaboncantathu ababili abancani. (Umbala ohlaza satjani esithombeni.) Omunye nomunye walaba aboncantathu abancani balicezu bani lesikwere esipheleleko?	_____
	Ungabeka aboncantathu ababili abancani ndawonye ukwakha isikwere esincane. Isikwere esincane silicezu liphi lesikwere esipheleleko (umbala ohlaza sasibhakhakhaka esithombeni)?	_____
	Ungabeka aboncantathu ababili abancani ndawonye ukwakha ipharadalelogramu. Ipharadalelogramu ilicezu liphi lesikwere esipheleleko?	_____



Ukusebenzisa ithangramu.

Sika amathangramu amabili kiboSika 12 bese ulejbula isiqetjhana esinye nesinye ngecezu laso lesikwere esipheleleko. (La mgajamo wamambala weThangramu.)

Tlola ibizo lakho ngemuva kwesinye nesinye isiqetjhana ukuze ukwazi ukufunyana isiqetjhana sakho ekupheleni komdlalo.



Umdlalo wokwabelana ngamacezu ngokulingana.

Dlala nabadlalali aba-4, ukuqoqobaba-8 abadlalali basebenzisa iinqetjhana zethangramu.

- Abadlalali bayadlathanga ukuba barhwebi.
- Umrhwebi uqunta kobana licezu bani lethangramu epheleleko umdlali ekumele alibeke ngekasaneni.
- Umdlali ngamunye uyafunisela kobana imali eyisimbi izokuwa iyihloko nanyana imsila, bese umrhwebi uphosa imali yesimbi.
- Umrhwebi-ke waba okungekasaneni ngokulingana abele labo abafunisele ngokweqiniso. (Kumele athengise esinye nanyana ezinye zeenqetjhana ukuze afunyane iinqetjhana ezinobungako obulinganako.)
- Isalela enye nenywe engekhe yakghona ukwabeka isala ngekasaneni ukuze izokusetjenziswa ngedlhego elitlandelako.
- Boke abadlalali bayaqalalisa kobana ukwabelana kwenziwe ngendlela ekungiyi.
- Umdlali nange kwenzeka afunyane iphoso, umrhwebi ubhadela ihlawulo yenani $\frac{1}{8}$ lesikwere esipheleleko emdlalini wokuthoma ofunyane iphoso leyo.
- Umdlali onganazo iinqetjhana, angathat ha lezo ezisele ngekasaneni.
- Umdlalo uragela phambili beku fike lapha omunye nomunye umdlali abarhwebi khona.

Omunye nomunye kumele abeke ikota yinye yesede yethangramu ngekasaneni.



Ngizokufaka uncantathu ujedwa omkhulu.



Iingcenywe ezimbili zokubonane zilingana nokukodwa kwesine. ngingafaka isikwere kanye nepharadalelogramu.



Teacher: _____
Sign: _____
Date: _____



Ukumeda umthamo

Sebenzisa iimathhi zamabhodlelo wamplastiki kanye nekomiki.

Zinikomiki ezingaki ezingazalisa isumathi?
Awukameli ukujho amathhi nanyana amamiliitha, sebenzisa kwaphela ikomiki kanye nebhodlelo.

Ikomiki (250 ml)

Isumathi selitha eyodwa

Meda iitha.

Funyana indlela yokwenza iitha usebenzisa itelezi elihlukileko.

Tlola umutjho weenomboro wendlela enye nanye.

Umutjho weenomboro: $500 \text{ ml} + 500 \text{ ml} = 1000 \text{ ml (1 l)}$



Umutjho weenomboro = 1000 ml (1 l)

Umutjho weenomboro = 1000 ml (1 l)

Umutjho weenomboro = 1000 ml (1 l)

Umutjho weenomboro = 1000 ml (1 l)

Nasitlola amatshwayo wokumeda, sitjhiya isikhadlana esincane hlangana kwejdidi yokugcina kanye netshwayo. Ngokwesibonelo, sitlola ngendlela elandeleko: 3 l, ingasi nje 3l; 299 g ingasi nje 299g; 15 km ingasi nje 15km.

Ilanga:



Iyini ivolumu yokomiki enye nanye ezeleko?

Three measuring cups with empty boxes for measurement.

Simeda inani elincane letlelezi ngamamiliitha (ml).

Ikomikana emeda isihlahla le imumat-ha 10 ml, pheze okumakhezo wetiye amabili.

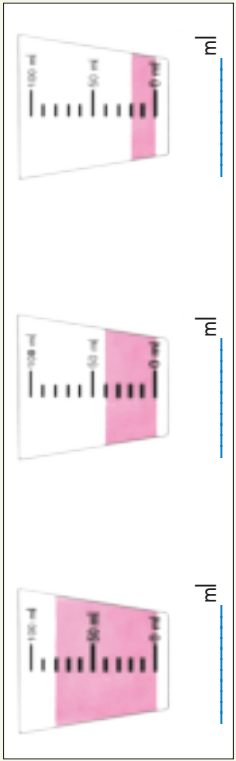
Simeda inani elikhulu ngamalitha (l).

Elith-heni eyodwa kunamamiliitha ayikulangwana.

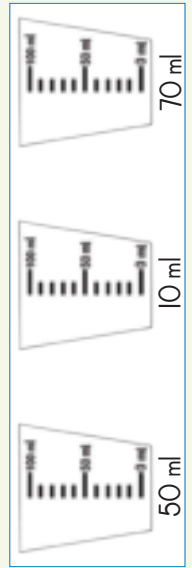


Litlelezi elingangani?

Ngejegeni kunama- ml angangani wetlelezi?



Litlelezi elingangani?



Fiphaza amakomiki wesihlahla ukutjengisa inani lesihlahla ekomikini ngajinye.

Teacher: _____
Sign: _____
Date: _____

Ilanga:

Ukumeda nokuthela

Emdlweni.

Ngesikhathi sokuphumula omunye nomunye umdlali usela i- $\frac{1}{4}$ yelitha yejuzi.

- a. Bangaki abadlali abangabelana? ilitha linye _____ amalitha ama-4 ama-4 $\frac{1}{2}$ amadlitha ama-4 $\frac{1}{2}$
- b. Bazokutlhogajuzi engangani? Abadlali ababu-8 Abadlali ababu-8

Amalitha kanye namamilitha (ml).

Ilitha linye = 1000 ml $\frac{1}{2}$ yelitha = _____ ml $\frac{1}{4}$ yelitha = _____ ml
 125 ml = _____ yelitha 50 ml = _____ yelitha

Yenza ihafu yelitha.

Thika(✓) amanani ama-3 athi nakahlanganisiweko enze ilitha.

Ama-120 ml	Ama-140 ml	Ama-160 ml	Ama-28 ml	Ama-240 ml

Ibisi lilungele ipilo yakho!

Yaba amalitha ama-4 webisi hlanguka:

- a. Nabentwana ababu-8 Omunye nomunye umntwana uzokufunyana _____ amalitha.
 b. Nabentwana ababu-16 Omunye nomunye umntwana uzokufunyana _____ amalitha.
 c. Nabentwana ababu-12 Omunye nomunye umntwana uzokufunyana _____ amalitha.

Indawo yakaBongi ethengisa iJuzi.

Ejegeni eyodwa, uBongi usebenzisa ikotana ($\frac{1}{4}$) yekomiki yejuzi kanye neenkomiki ezi-2 zamanzi.

Ingabe uBongi uzokusebenzisa ijuzi engangani ukwenza amagjege ama-5 wejuzi.

Amagjege	1	2	3	4	5
Amdkomiki wejuzi	Ikota eyodwa ($\frac{1}{4}$)				
Amdkomiki wamanzi	2				

6 Kwenza ilitha eyodwa.

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Zingaki iimumathi, esinye nesinye ukwenza ilitha?

- a. _____ \times 100 ml b. _____ \times 200 ml c. _____ \times 250 ml
 e. _____ \times 500 ml f. _____ \times 50 ml

7 Ngemva kwephathi.

Qalised! Madanisa! Lungisa!

Iphathi yakhaThandi idlulile. Kodwana kuneenselo ezisaseleko.

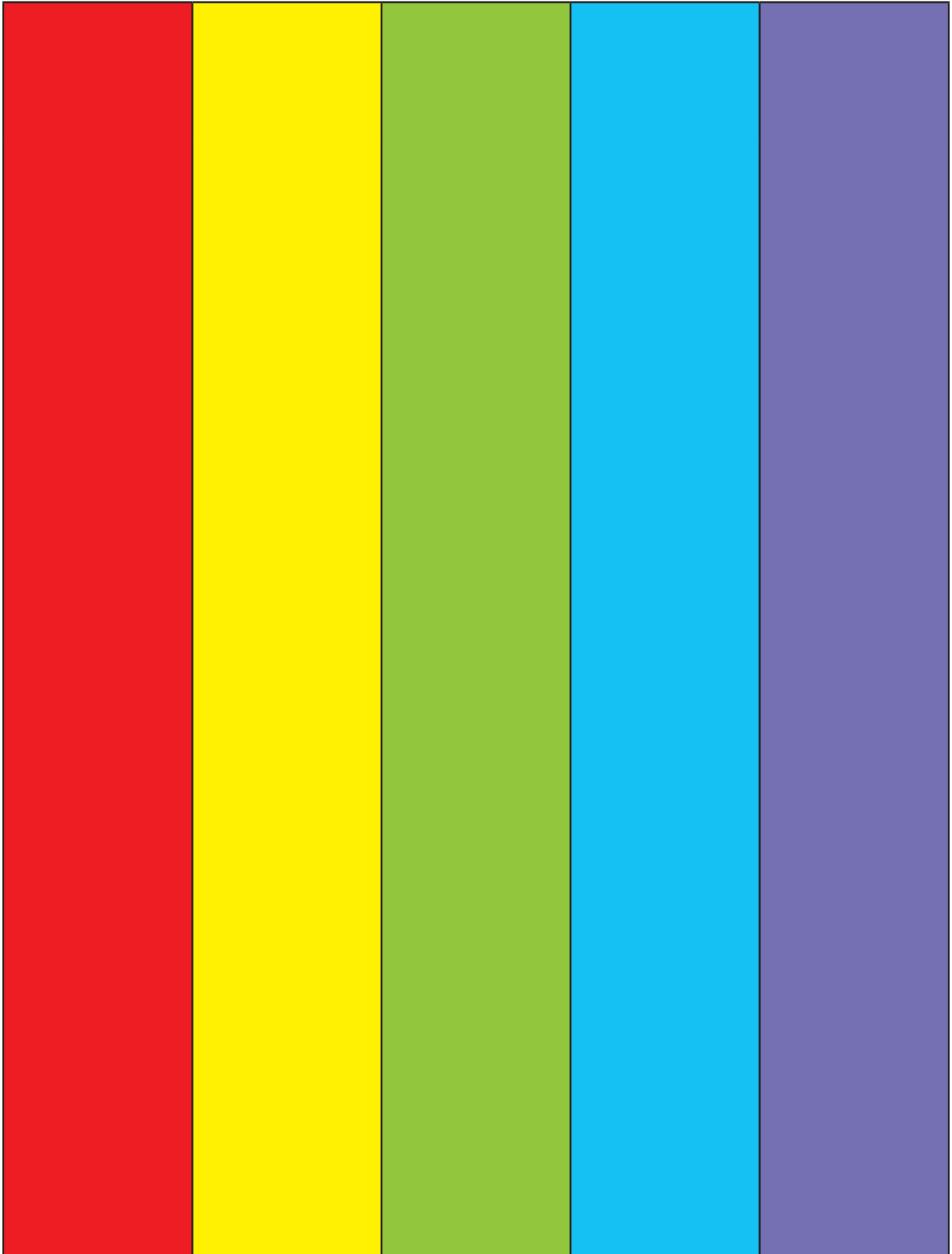
Kusele ijuzi esarulani engangani? _____

Kusele ijuzi ephaphuli engangani? _____

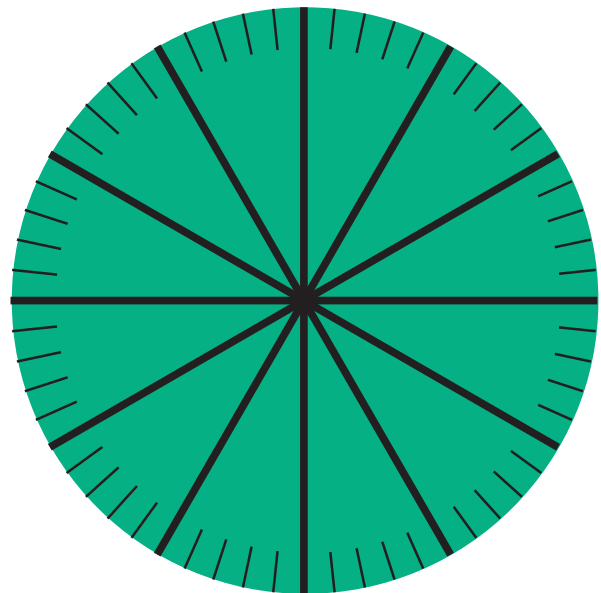
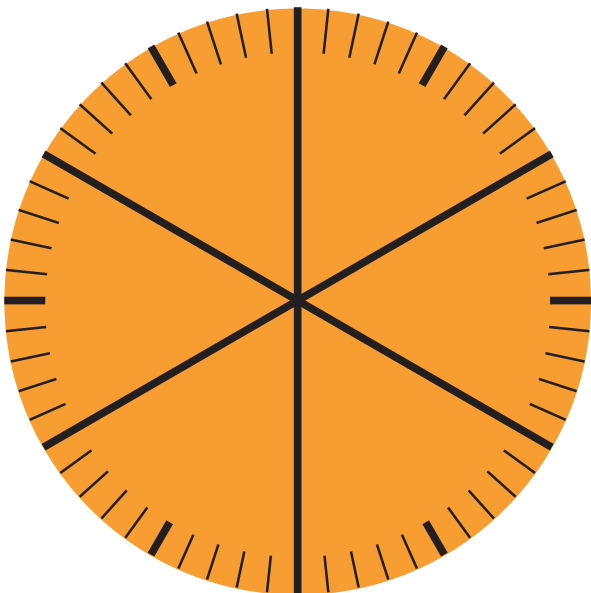
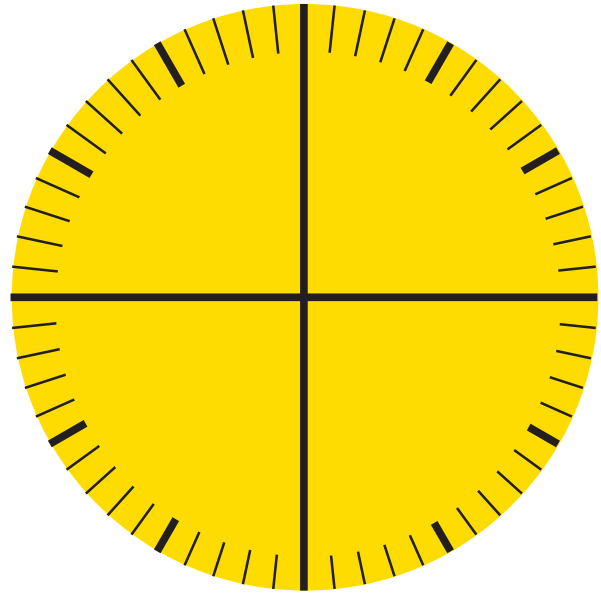
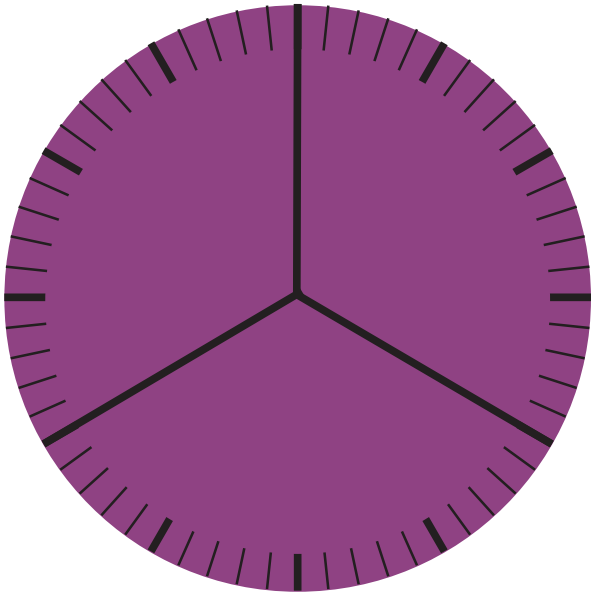
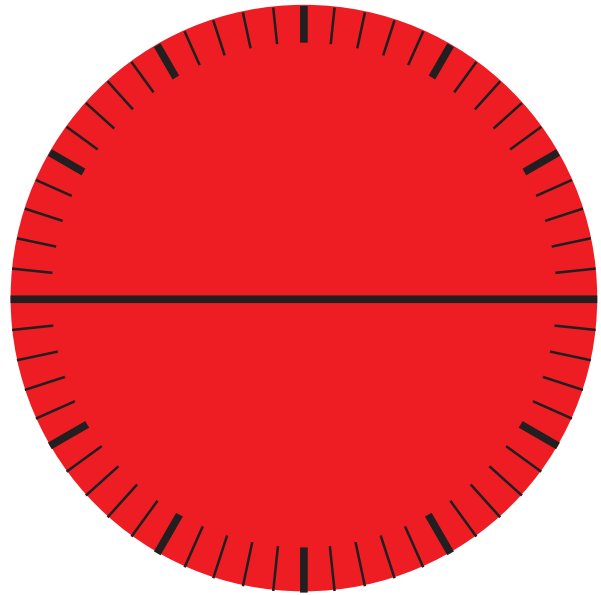
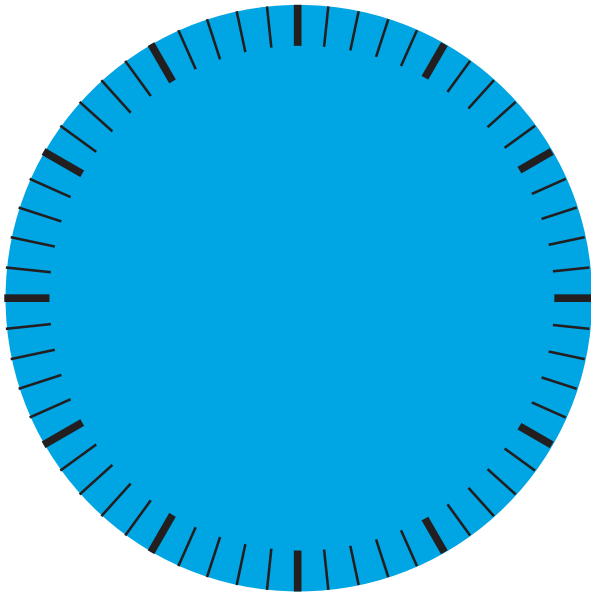
UTHandi uhlanganisa imihlobo emibili yamguzi ndawonye.

Uzokuzalisa amagjege amangaki? _____

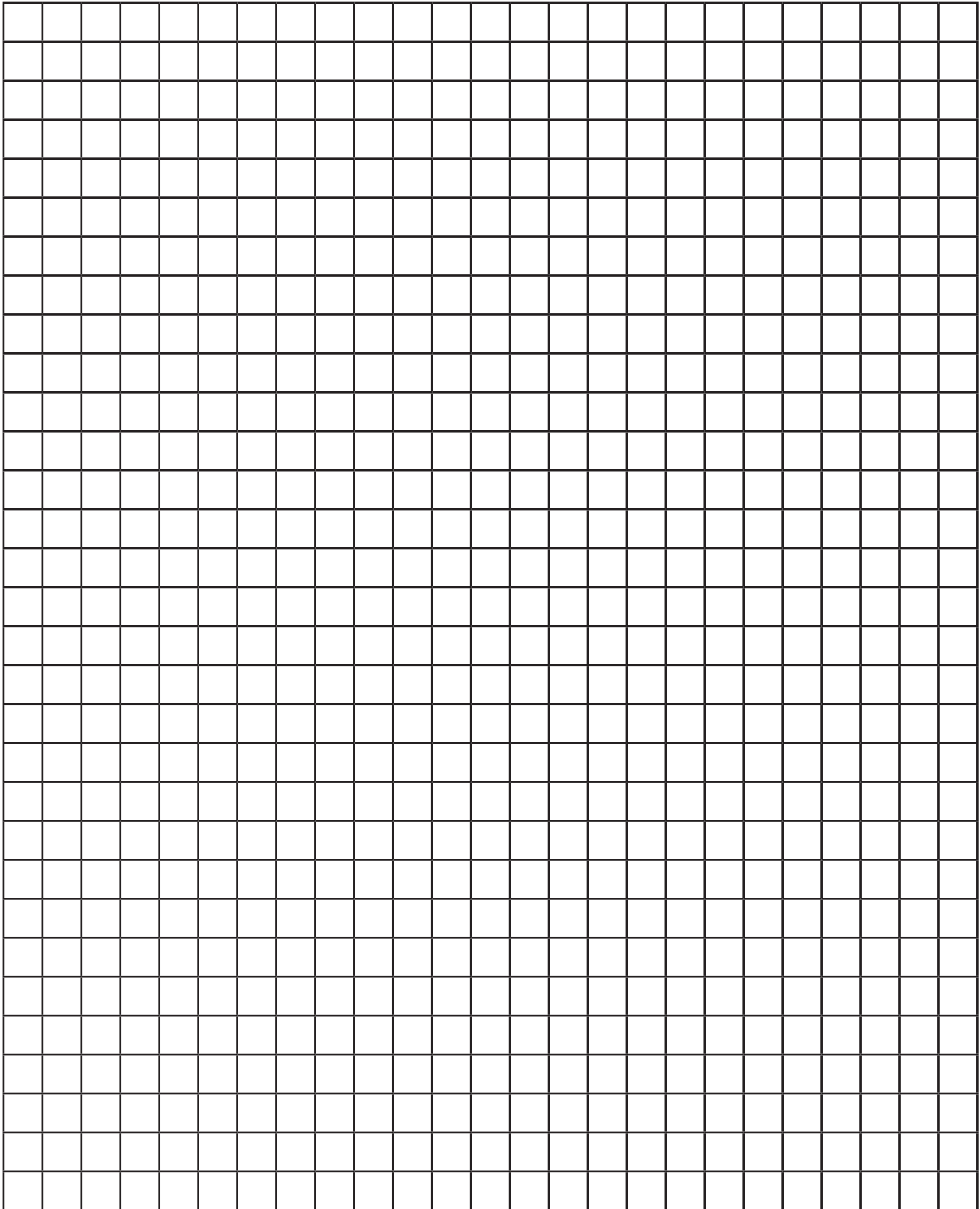
AboSika 5



AboSika 6



AboSika 7



AboSika 8

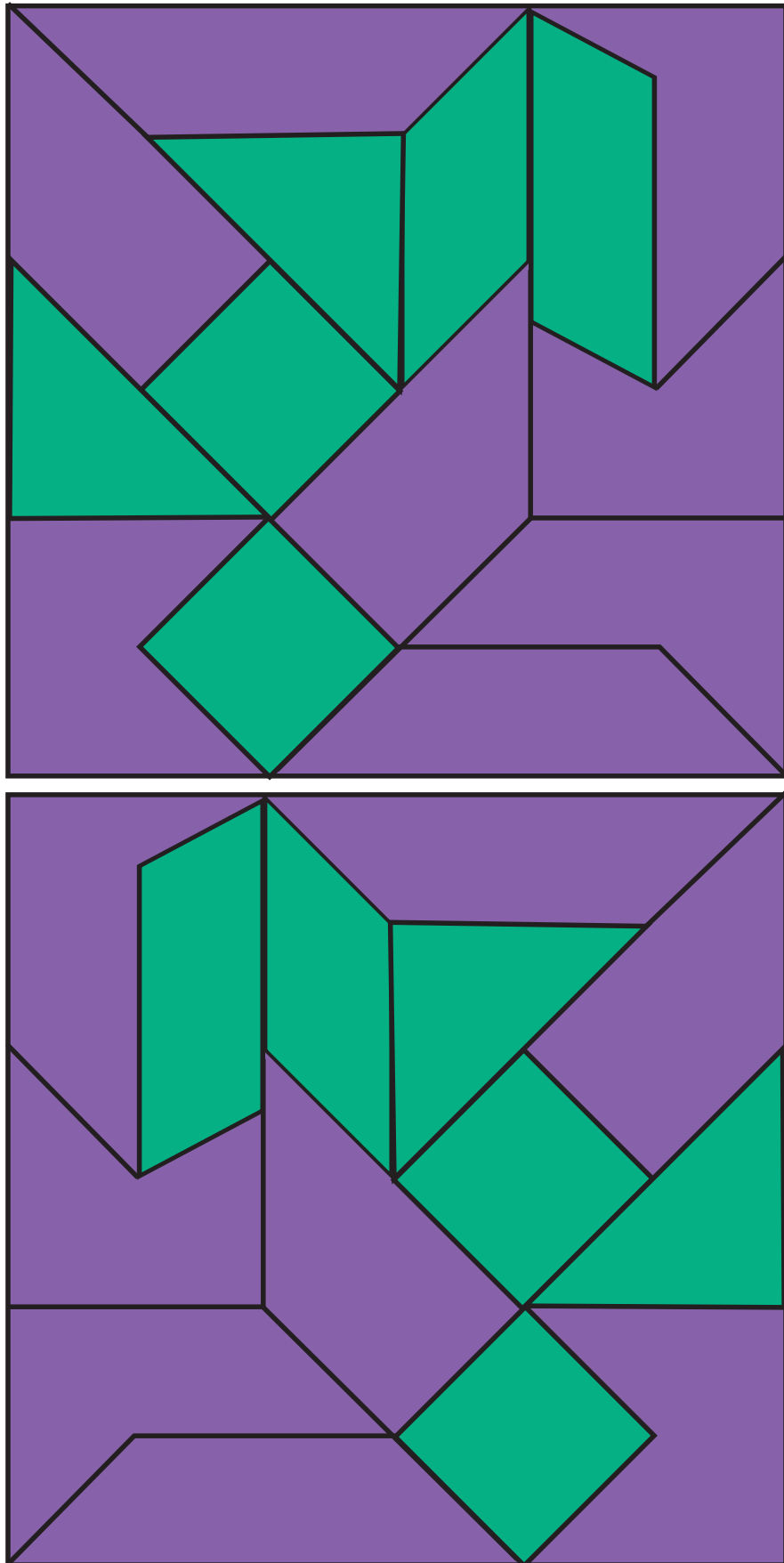
Ic	
IOc	
RIc	
RIOs	
RIOOs	

AboSika 9

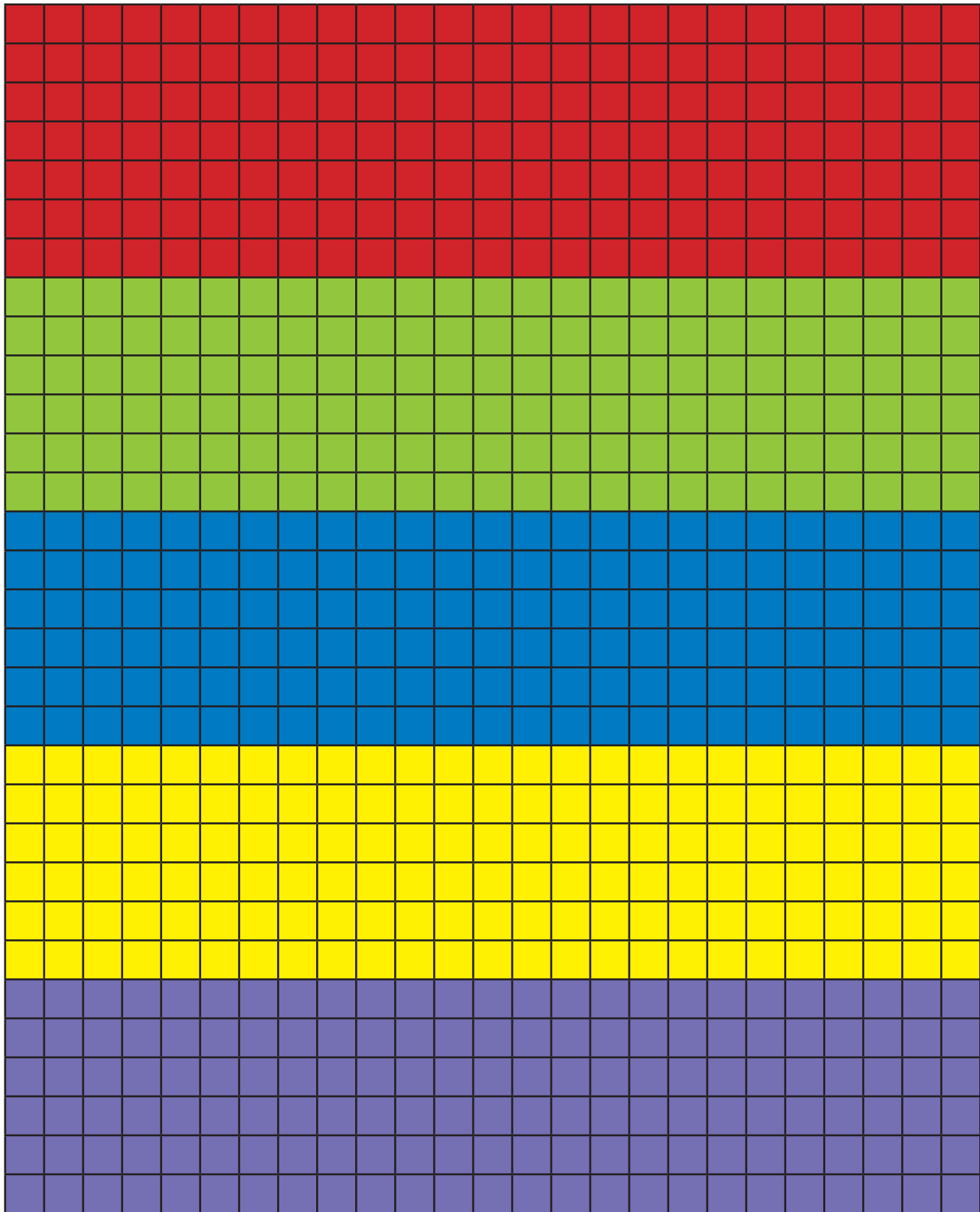
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO

RI	RI	RI	RI	RI	RI	RI	RI
RI	RI	RI	RI	RI	RI	RI	RI
IOc	IOc	IOc	IOc	IOc	IOc	IOc	IOc
IOc	IOc	IOc	IOc	IOc	IOc	IOc	IOc
lc	lc	lc	lc	lc	lc	lc	lc
lc	lc	lc	lc	lc	lc	lc	lc

AboSika IO



Cut-out II



Cut-out 12

