

Ukufunda ngoMthethosisekelo weRiphabliki yeSewula (1996)

UMthethosisekelo weSewula Afrika (1996) umumethe imithetho yenarha eseqophelweni eliphezulu. 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 uninze khona phezu kwentando yesitjhaba begodu nalapha zoke izakhamuzi zivikeleke 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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9 781431 501519

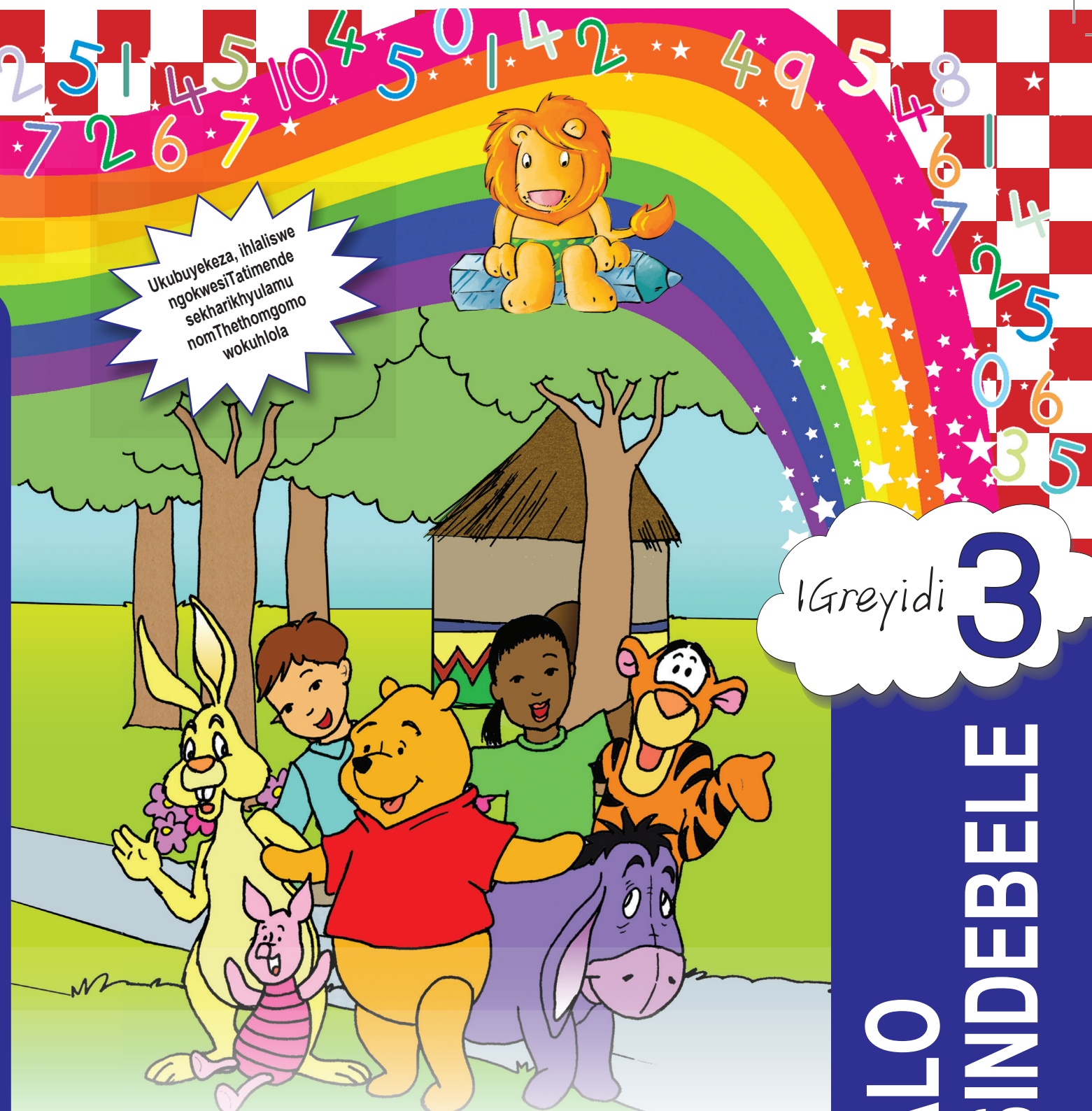


**MATHEMATICS IN ISINDEBELE
GRADE 3 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0151-9
THIS BOOK MAY NOT BE SOLD.
15th Edition**



IMBALO NGESINDEBELE – iGreyidi 3 Incwadi 2

ISBN 978-1-4315-0151-9



Ukubuyeleza, ihlaliswe
ngokwesiTatimende
sekharikhyulamu
nomThethomlingwa
wokuhlola

iGreyidi

3

**IMBALO
NGESINDEBELE**

Incwadi 2
Ithemu
3 & 4

Ibizo:

Itlasi:



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

Okumumethweko



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Ksz. Siviwe Gwarube
nguNqgonqgotjhe
weFundo-Sisekelo



Dorh. Reginah Mhaule,
nguSekela
kaNqgonqgotjhe
weFundo-Sisekelo

Iincwadi lezi zenzelwe abantwana beSewula Afrika ngaphasi koburholi bakaNqgonqgotjhe wezeFundo-Sisekelo Ksz. Siviwe Gwarube, 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.

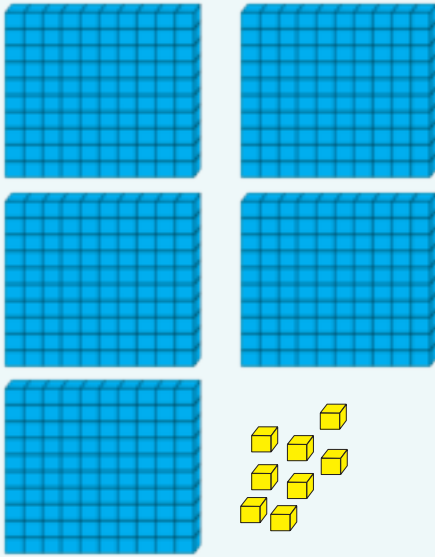
548; _____; _____; _____; _____; _____; _____; _____; _____; _____; 570

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: _____

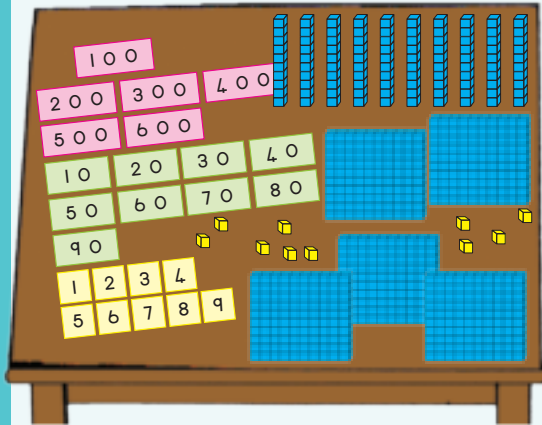
11 12 13 14 15 16 17 18 19 20

66

Ilanga:

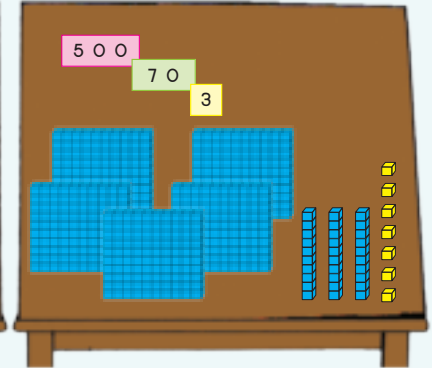
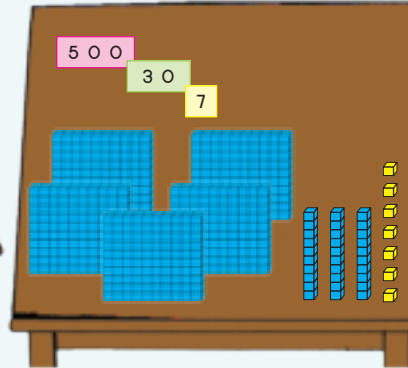
Ezinye iinomboro ezisuka ku-500 zifike ku-600

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	



Tlola umutjho weenomboro bese utlola nependulo.

$500 + 70 + 3$ $=$	$500 + 90$ 	$90 + 1$
-----------------------	--------------------	------------------



Qedelela inambalayini.

550	551	552								560
-----	-----	-----	--	--	--	--	--	--	--	-----

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

495	
508	
594	
549	
602	

Isibonelo: 517

5 0 0

1 0

7

5 1 7

517

500 + 10 + 7



Tlola amabizo weenomboro.

221	
486	
369	
419	
491	



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

67

Ilanga:

Inomboro ukusuka ku-600 ukufika ku-700

Ithemu 3



Bala bewutlole.

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

Phimisa iinomboro nawulokhu uzibala.



601			604						600
							618		610
	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.

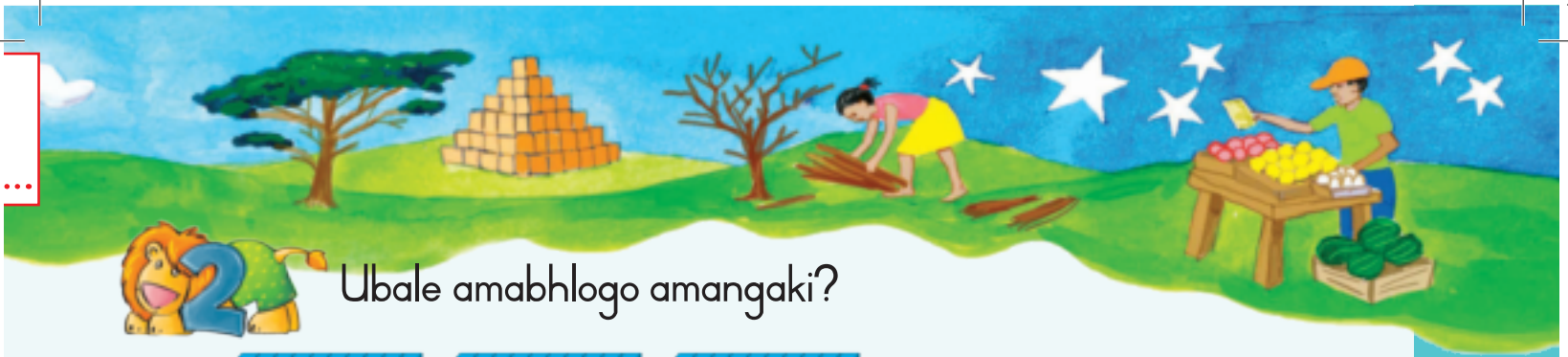
622; 624; 626; _____; _____; _____; _____; _____; _____; _____

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

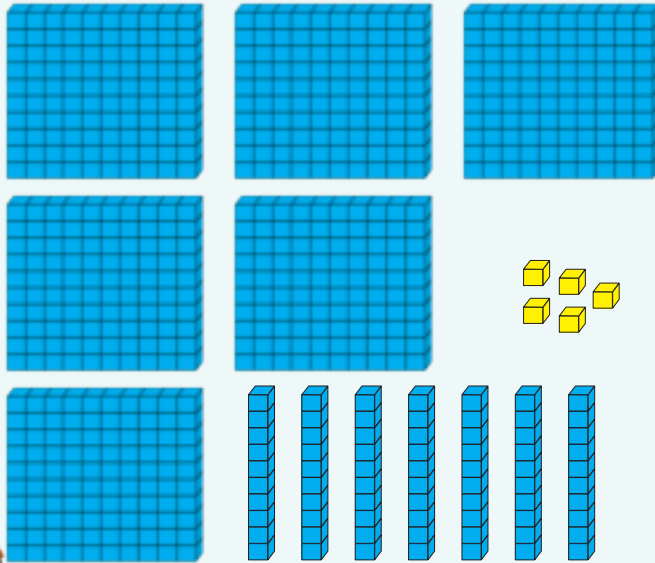
611; _____; _____; _____; _____; _____; _____; _____; _____; 633

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



Teacher:

Sign:

Date:

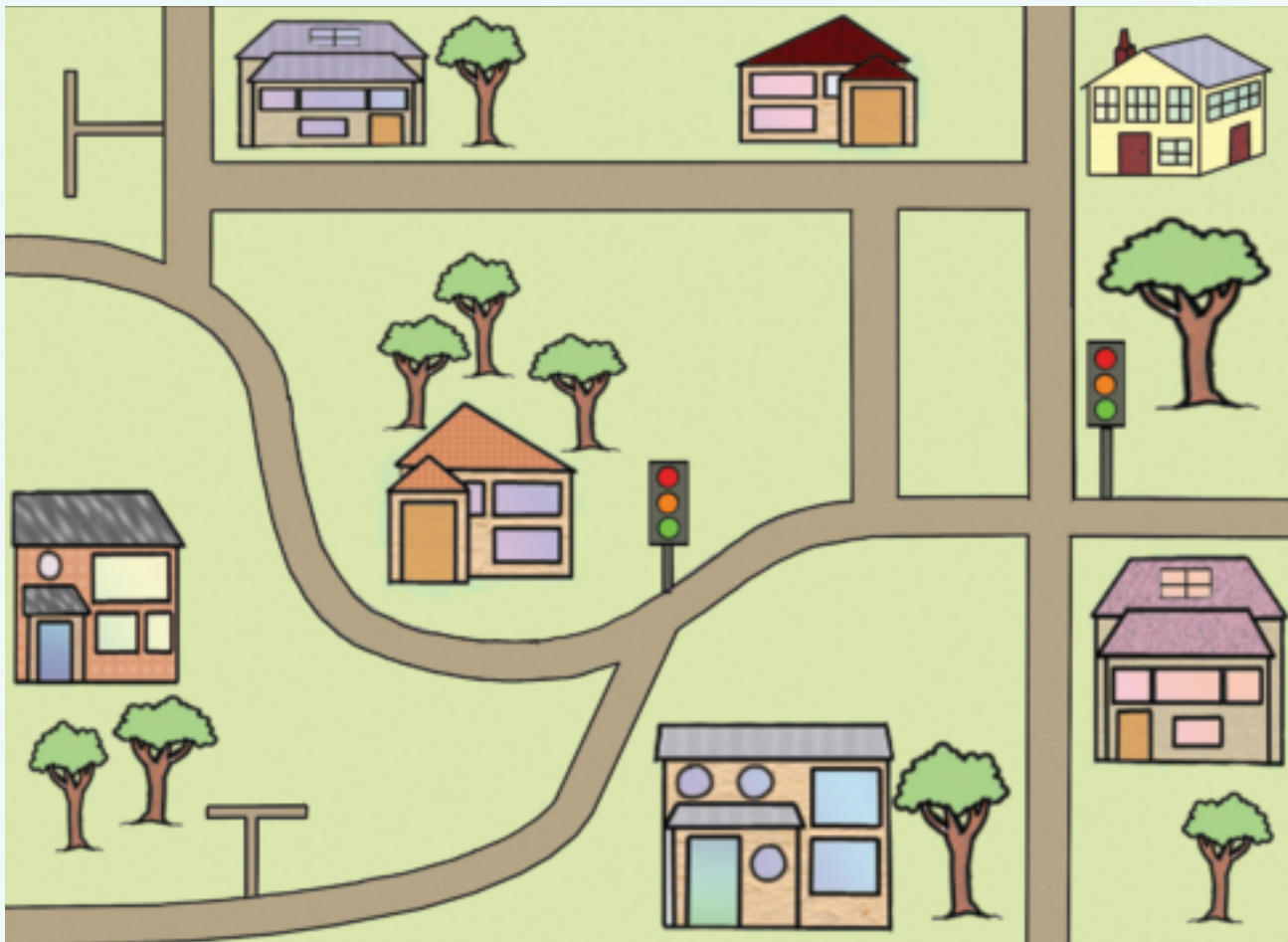
11 12 13 14 15 16 17 18 19 20

Umebhe

Ithemu 3

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.



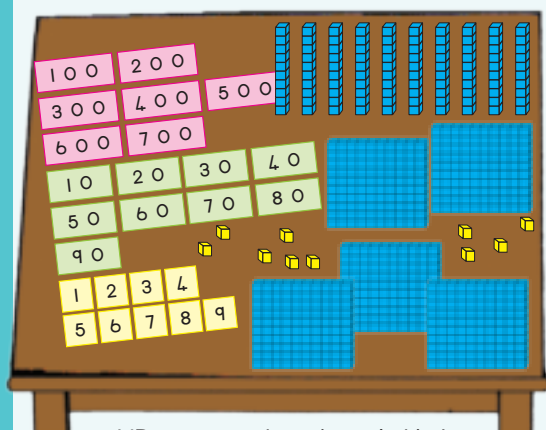
11 12 13 14 15 16 17 18 19 20

69

Ilanga:

Ezinye iinomboro kusuka ku-600 kufika ku-700

Ithemu 3



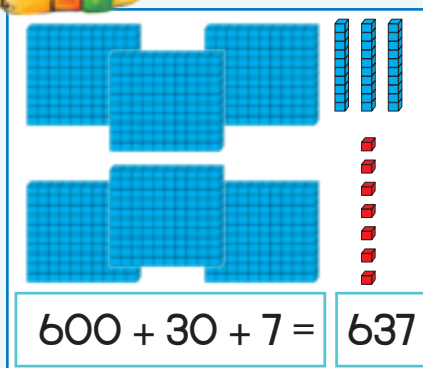
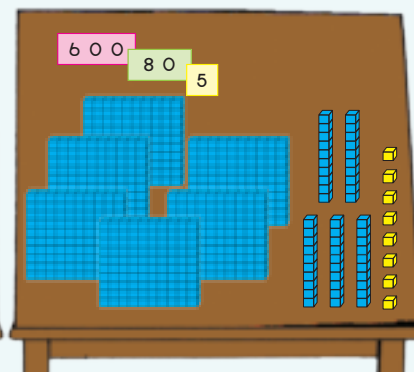
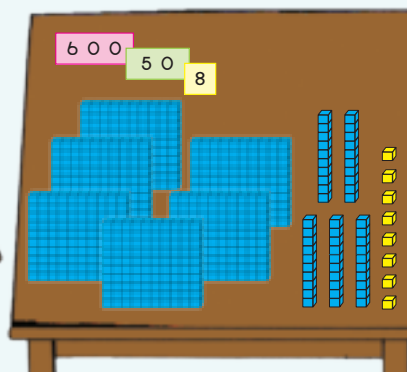
UPeter unamakarada anobukhulu
bedijidi kanye nenomboro sisekelo
yetjhumu lamabhlogo.



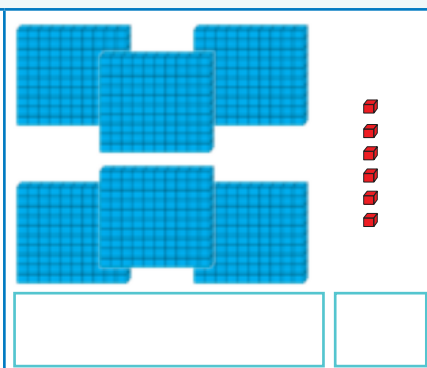
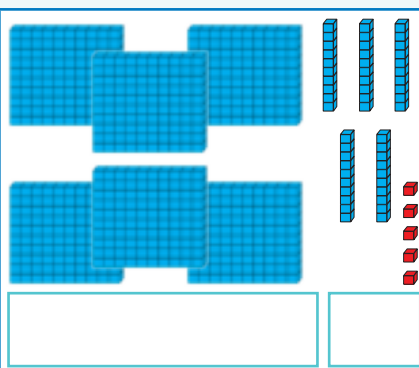
Tlola umutjho weenomboro bese utlola ipendulo.

Utityjhere ubawa uPeter kobana
atjengise inomboro 658
ngamakarada kanye namabhlogo.

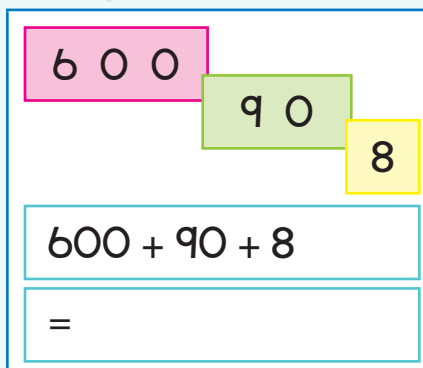
U-Aakar utjengise lokhu.
Ngikuphi okungakalungi
akwenzileko?



$$600 + 30 + 7 = 637$$

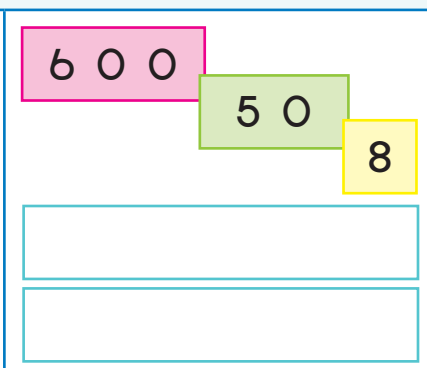
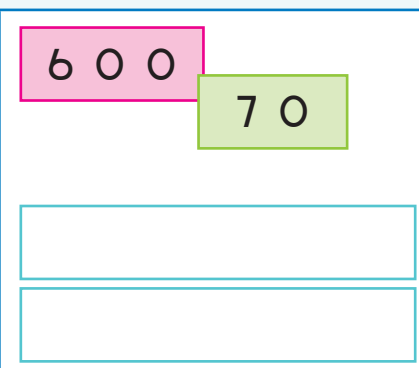


Tlola umutjho weenomboro bese utlola ipendulo.



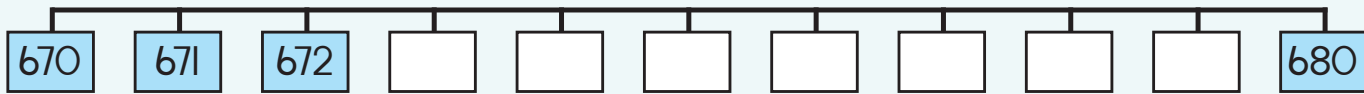
$$600 + 90 + 8$$

=





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	



11 12 13 14 15 16 17 18 19 20

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.

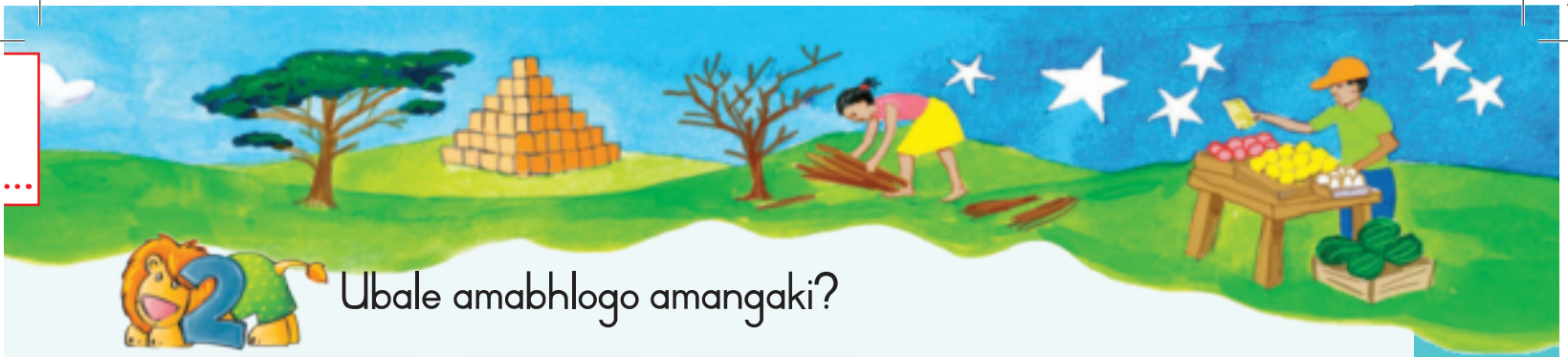
605; 707; 709; _____; _____; _____; _____; _____; _____; _____

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

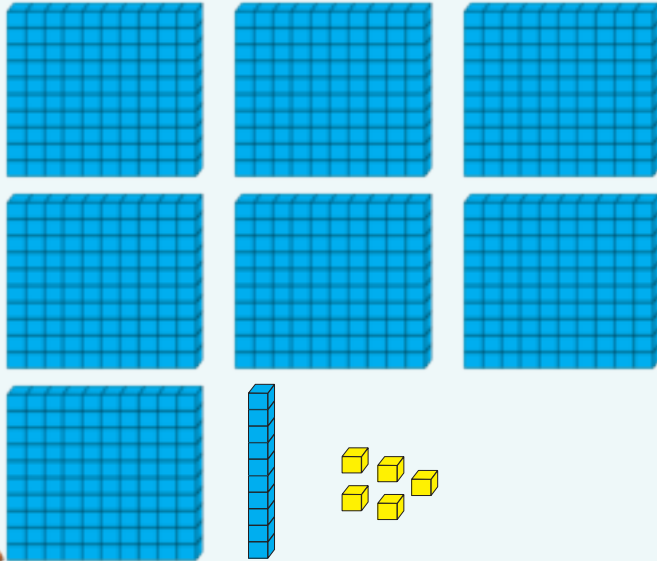
719; _____; _____; _____; _____; _____; _____; _____; _____; 749

- 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



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

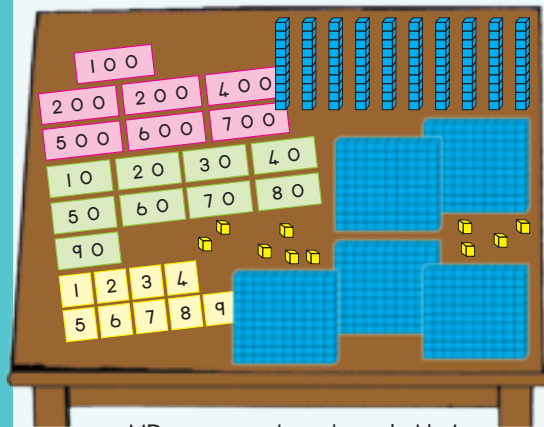


71

Ilanga:

Inomboro kusuka ku-700 kufika ku-750

Ithemu 3



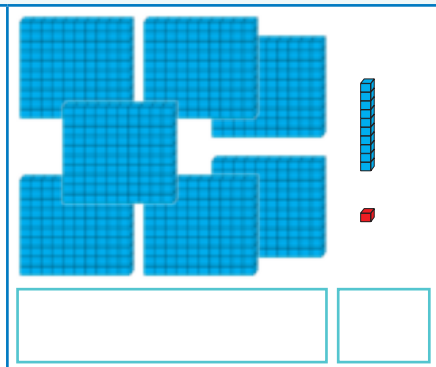
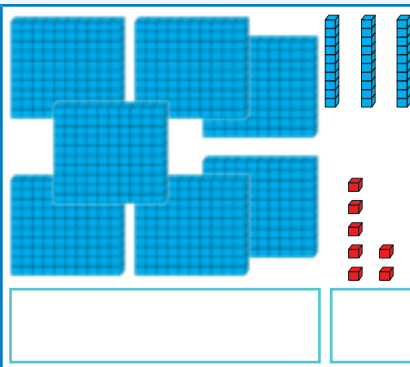
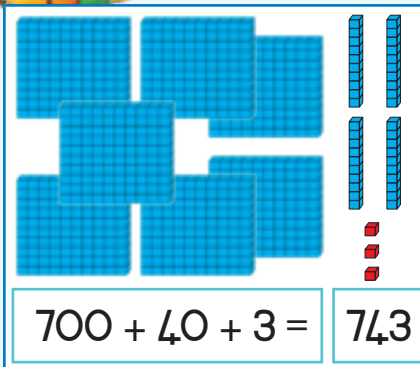
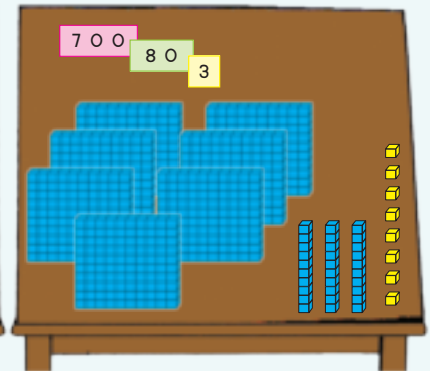
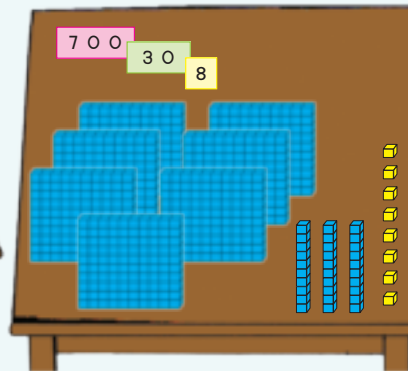
UPeter unamakarada anobukhulu
bedijidi kanye nenomboro sisekelo
yetjhumu lamabhlogo.



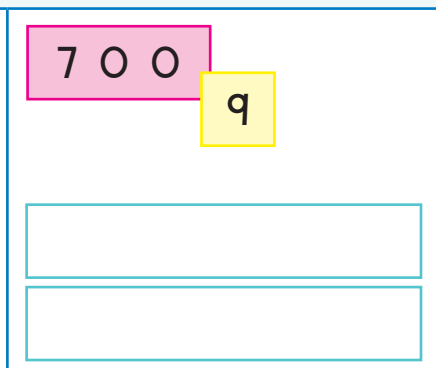
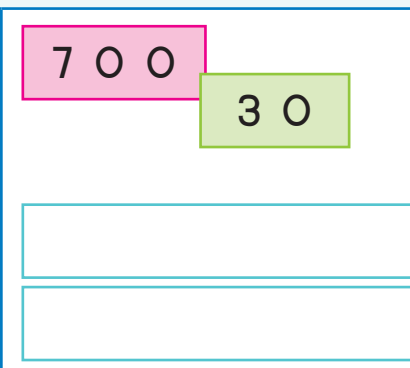
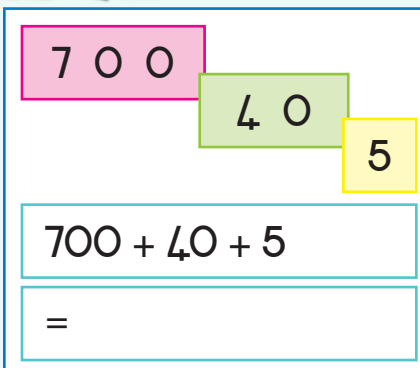
Tlola umutjho weenomboro bese utlola ipendulo.

Utijhere ubawa uPeter kobana
atjengise inomboro 738
ngamakarada kanye namabhlogo.

UJabu utjengise lokhu. Ngikuphi
okungakalungi akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.





Qedelela inambalayini.

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

Nikela zoke inomboro ezincani khulu kunenomboro 704. _____

Nikela inomboro ezikulu khulu kunenomboro 704. _____



Qedelela $< \text{nanyana} > =$

- 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	

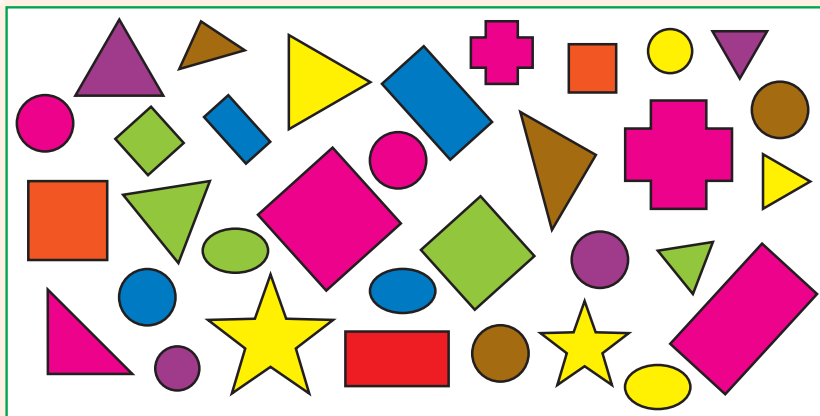


11 12 13 14 15 16 17 18 19 20

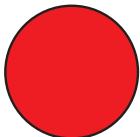


Izinto eziyi-2-D

Yitjho nangabe ijamo
linqophile nanyana
linamahlangothi
anqophileko.

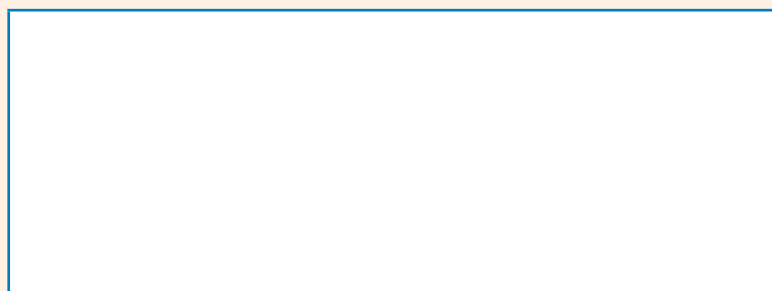


Yitjho nangabe ijamo linetlobo enqophileko nanyana
itlobo eyindulunga.



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 emaphaphabhugwini.
Zibeke lapha.



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

Tlola iledere

Ienede ongayibhinca ukwenza isilinda

Ithemu 3



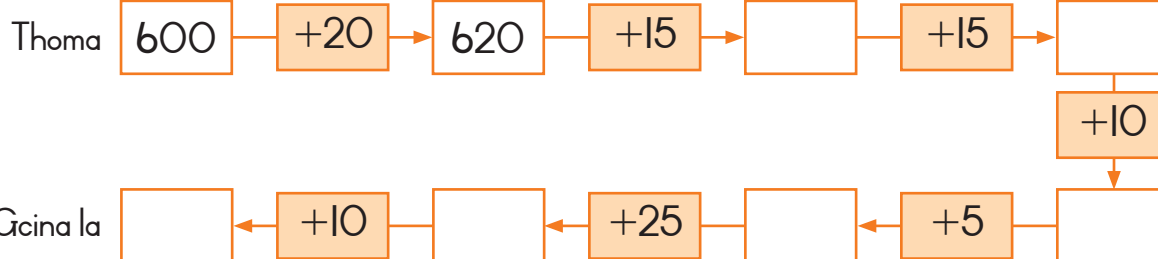
Ngingathenga ini ngemali ema-R500?

Ngiziphi izinto kilezi
engingazithenga ngemali
ema-R500 patsi?



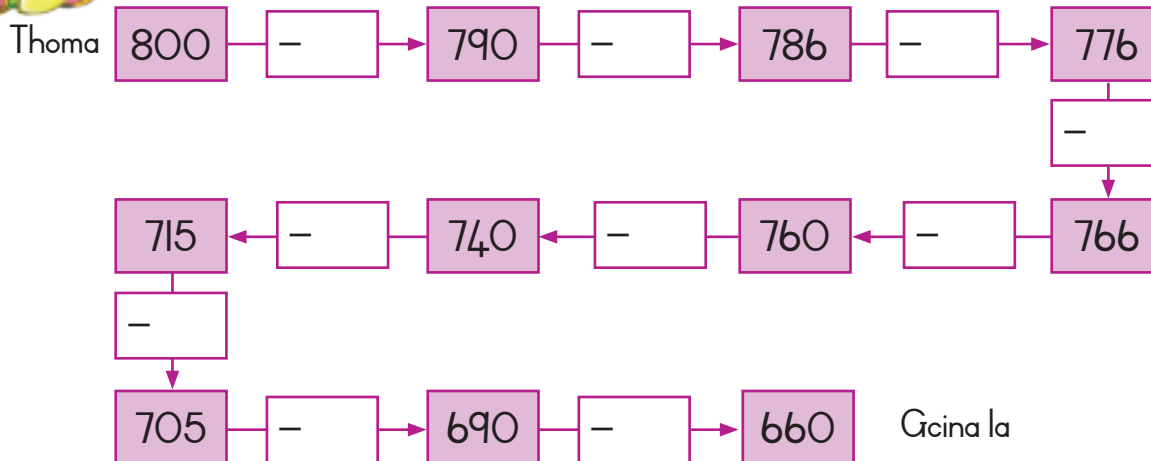
Hlanganisa uye phambili kusuka ku-600.

Tlola iinomboro ezitlhayelako.



Bala ubuyeke emuva ukusuka ku-800.

Njalo tlola uthi "itjhentjhi".





Rarulula okulandelako:

$$725 + 53 =$$

$$664 + 87 =$$

$$564 + 132 =$$

$$75 + 717 =$$



Rarulula okulandelako:

UJames ubuthhelele 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?

a.

b.



11 12 13 14 15 16 17 18 19 20

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Ilanga:

Ukuhlanganisa nokukhupha kufikela ku-800

Ithemu 3

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 keline ne ninye ibuthhelelelo leenomboro.

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



Yeleta 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: $352 - 166$ $+4 \quad +30 \quad +100 \quad +52$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	UPhumla utlola lokhu: $352 - 166$ $= 300 + 50 + 2$ $- 100 + 60 + 6$ $= 300 + 40 + 12$ $- 100 + 60 + 6$ $= 200 + 140 + 12$ $- 100 + 60 + 6$ $= 100 + 80 + 6$ $= 186 \text{ km}$
UMbali wenza lokhu: $352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	UPeter wenza lokhu: $352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
UVeronica wenza lokhu: $352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	ULebo ucabanga ngokubuyelelwe kabili kanye nokuhafula: 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.

$$746 - 328$$

$$800 - 499$$



75

Ilanga:

Okhunye ukuhlenganisa

kanye nokukhupha ukufika ku-800

Ithemu 3



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



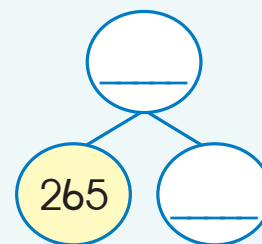
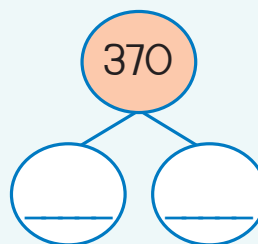
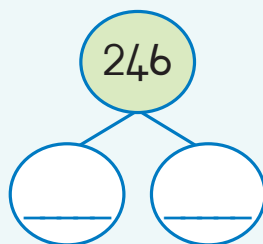
Kenye nenye inomboro kezingenzasi, khetha ezinye ezimbili ukwakha umndeni. Tlola imitjho yeenomboro emine (emibili + kanye nemibili –) kenye nenye inomboro yomndeni.

Hlolisisa!
Madanisa! Lungisa!

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



Funyana 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?

Indelala 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?

Teacher: _____
 Sign: _____
 Date: _____

76

Ilanga:

Amaphetheni weenomboro: amatjhumu ukufika ku-800

Ithemu 3



Ungathini ngeenomboro ezingemabhlogweni afiphaziweko?

Bala amatjhumu ukusuka ku-710 ukufika ku-800.

Ngijiphi inomboro eza ngemva kwaka-720 lokha nawubala ngamatjhumu?

Bala ubuyele emuva ngamatjhumu 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 ngamatjhumu.

1. Hlanganisa netjhumu 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; _____; _____; _____

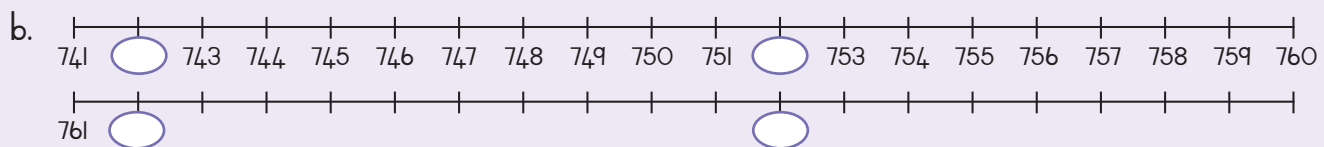
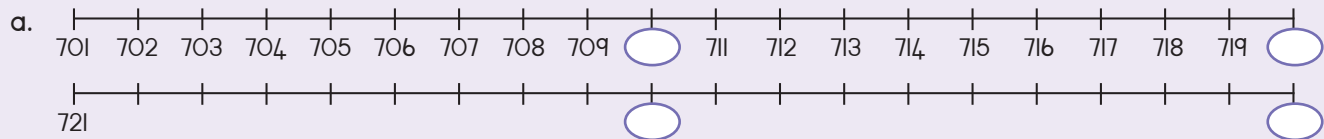
799; 789; 779; _____; _____; _____

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: _____
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Date: _____

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Ukutjhideza etjhumini

Zoke iinomboro kusuka ku-4 ukuya emuva zizokutjhidezwa eqandeni.

Zoke iinomboro kusuka ku-5 ukuya phambili zizokutjhidezwa etjhumini.

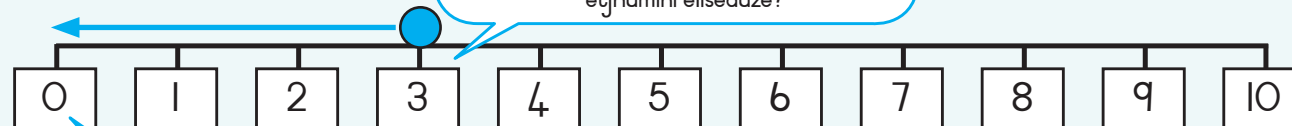


Asikhulume.

Qala inomboro 3 kunambalayini.



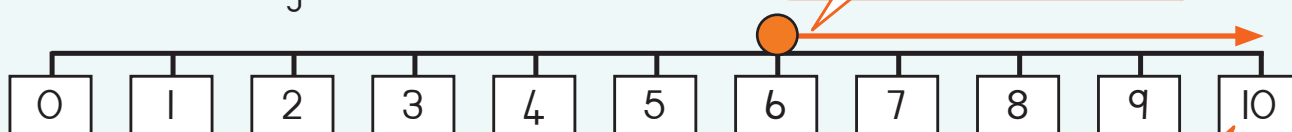
U-3 uzokuba yini lokha nakatjhidezwa etjhumini eliseduze?



U-3 nakatjhidezwa etjhumini eliseduze uzokuba liqanda.

Yenza okufanako nangalokhu:

U-6 uzokuba yini lokha nakatjhidezwa etjhumini eliseduze?

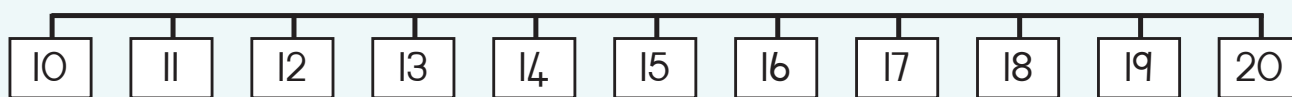


Ipendulo kuzokuba ngu-10.

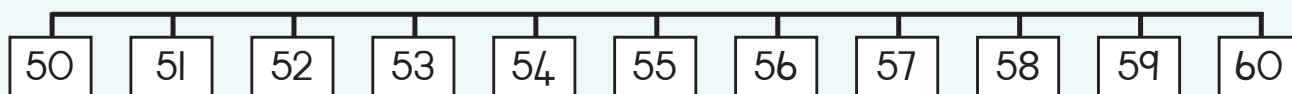


Tjhideza etjhumini eliseduze.

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



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





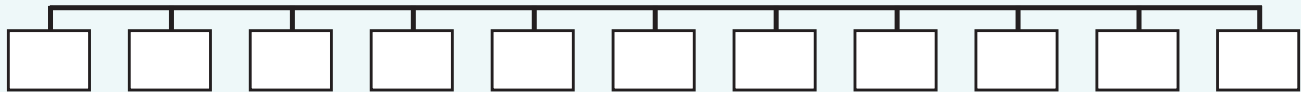
Tjhideza etjhumini eliseduze ngokugwala inambalayini yakho.

a. 46



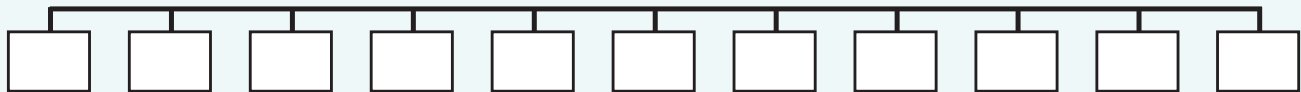
Kuhlangana namaphi amatjhumini amabili lapha kuno-46?

b. 63



Kuhlangana namaphi amatjhumini amabili lapha kuno-63?

c. 37



Kuhlangana namaphi amatjhumini amabili lapha kuno-37?

d. 99



Kuhlangana namaphi amatjhumini amabili lapha kuno-99?



UTom unemali ema-R48,00

Ipaka yamakarada awabuthelako ibiza ama-R5,00.

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



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukubuyabuyelela: okuhlana kufika kuma-75

Ithemu 3

Ngikuphi okuza
ngakuhlana?

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.

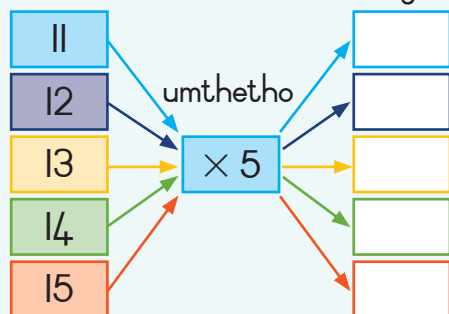
Ukwabelana	Hlukanisa
Yaba okuli-12 hlangana kwaba-5	$12 \div 5 = 2$ isalela ngu-2
Yaba okuma-64 hlangana kwaba-5	
Yaba okuma-39 hlangana kwaba-5	
Yaba okuma-73 hlangana kwaba-5	



Qedelela umgwalo owehlako.

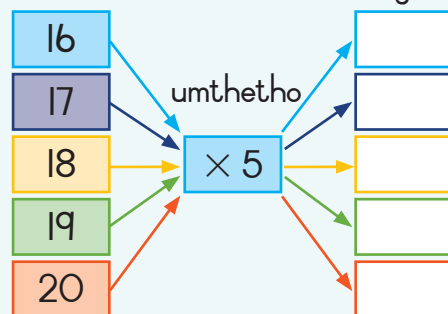
okufakako

okufunyanako



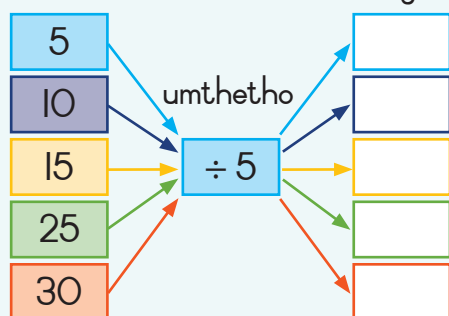
okufakako

okufunyanako



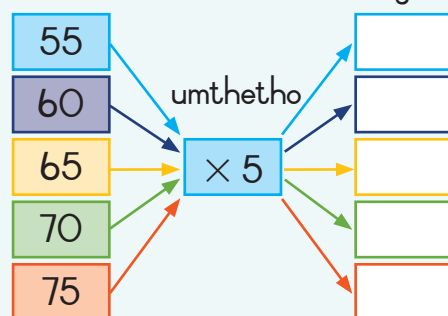
okufakako

okufunyanako



okufakako

okufunyanako



Qedelela itheyibula elingenzasi:

×	1	2	3	4	5	6	7	8	9	10
5										

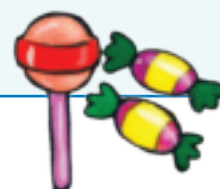
×	11	12	13	14	15	16	17	18	19	20
5										

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: ngakuhlanu bekufike ku-800

Ithemu 3



Ungathini ngeenomboro ezingemabhlogweni anombala o-orentji?

Bala ngakuhlanu usuke ku-705 uyokufika ku-800.

Ngijiphi inomboro eza ngemva kwaka-720 lokha nawubala ngakuhlanu?

Bala uye emuva ngakuhlanu 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 ngakuhlanu.

1. Hlanganisa inomboro onikelwe yona nakuhlanu.

Sewenzelwe inomboro yokuthoma njengesibonelo.

$$\text{a. } 760 + 5 = 765$$

b. 725 _____

c. 780 _____

d. 755 _____

e. 715 _____

f. 790 _____



2. Khupha okuhlani 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 okuhlani kilezi iinomboro ezingehla?



Qalisisa iyingi ezibomvu ebhodini leenomboro.

a. Ngikuphi okuyelelako ngeeyingi lezi? _____

- b. Yelula ukulandelana kweenomboro
ezilandelako:

703; 708; 713; _____; _____; _____

753; 758; 763; _____; _____; _____

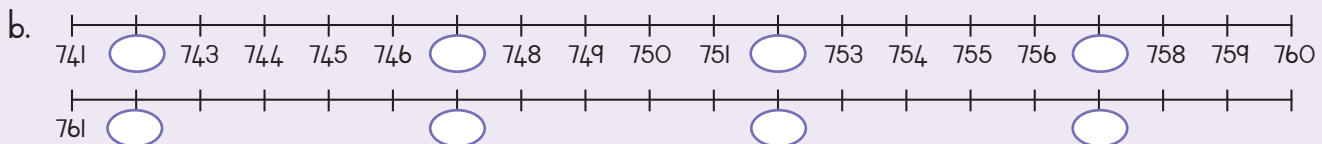
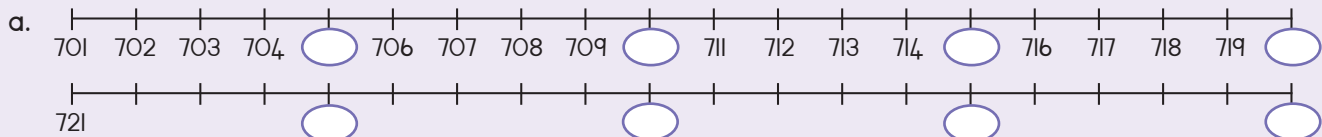
701; 706; 711; _____; _____; _____

722; 727; 732; _____; _____; _____

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 ngokuhlani.

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



Teacher: _____
Sign: _____
Date: _____

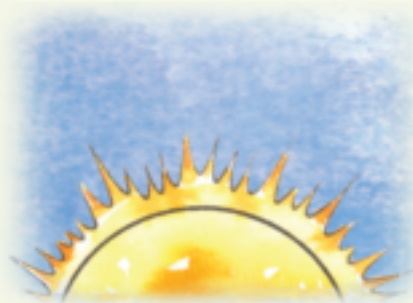
11 12 13 14 15 16 17 18 19 20

80

Ilanga:

Ubusuku kanye nemini

Ithemu 3



eCape Town

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



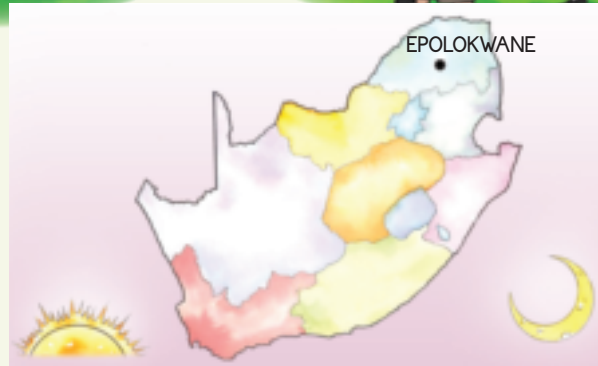
eCape Town	Ukuphuma kwelanga	Ukutjingga kwelanga	Ubude belanga	Ubude bobusuku
Mhla amalanga ama-23 kuMatjhi	6:53 am	6:53 pm		
Mhla amalanga ama-21 kuJuni	7:51 am	5:44 pm		
Mhla amalanga ali-19 kuSeptemba	6:41 am	6:41 pm		
Mhla amalanga ama-22 kuDisemba	5:32 am	7:58 pm		

- Ngiziphi iinyanga ezinamalanga alingana nobusuku ngobude? _____
- Ngiziphi inyangama-21 kuJuni enamalanga amade? _____
- Ngiziphi inyangama-19 kuSeptemba 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 nokutjunga kwelanga ngeenkhati ezahlukeneko zomnyaka ePolokwane. Fundisisa iinkhathi etheyibuleni bese uqedelela okulandelako etheyibulini ngaphambi kokuphendula imibuzo engenzasi.



EPolokwane	Ukuphuma kwelanga	Ukutjunga 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 nokutjunga 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

Ithemu 3

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	Ukwehlukanisa
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	

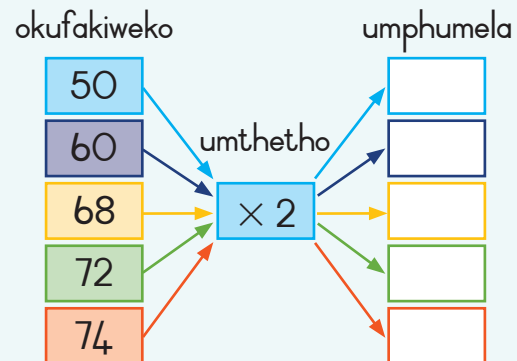
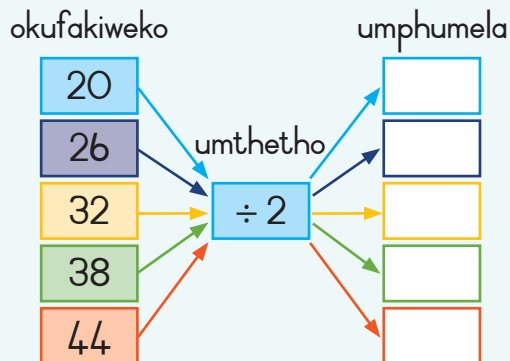
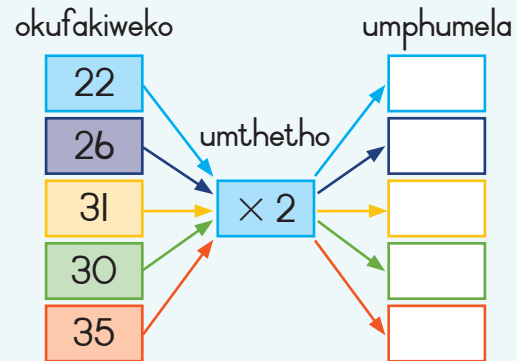
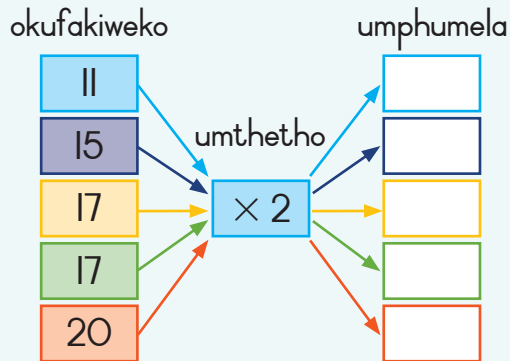


Qedelela itheyibula.

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.



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

Ithemu 3



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

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

Bala ubuyele emuva ngakuhlano ukusuka ku-800 ukufika ku-710. Ngijiphi 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. $76\cancel{4} - 2 = 76\cancel{2}$

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 okuyelelako ngeeyingi lezi? _____

b. Yelula ukulandelana kweenomboro

799; 797; 795; _____; _____; _____

ezilandelako:

783; 785; 787; _____; _____; _____

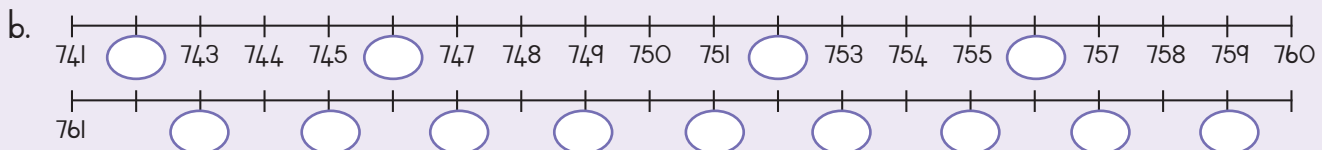
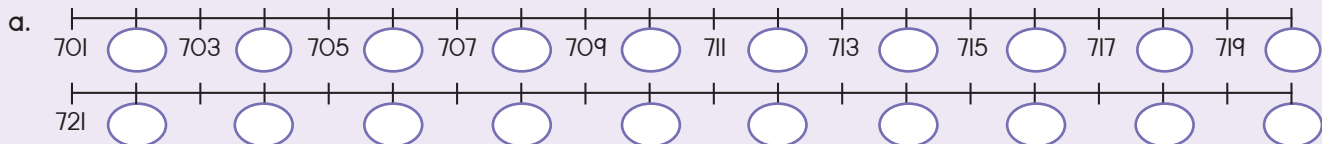
701; 703; 705; _____; _____; _____

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: _____

11 12 13 14 15 16 17 18 19 20

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 $\times$ 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:

$$24 \times 3$$

$$\begin{aligned} &= (20 + 4) \times 3 \\ &= (20 \times 3) + (4 \times 3) \\ &= 60 + 12 \\ &= 72 \end{aligned}$$

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?



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukubuyabuyelela: ngakuthathu bekufike ku-75

Ithemu 3

Ngikuphi
okuza
ngakuthathu?
Amavilo
womlengenani
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.

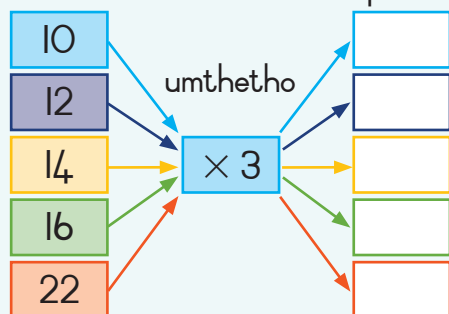
Ukwaba	Hlukanisa
Yaba u-37 ngaku-3	$37 \div 3 = 12$ isalela ngu-1
Yaba u-74 ngaku-3	
Yaba u-49 ngaku-3	
Yaba u-68 ngaku-3	



Qedelela umgwalo owehlako.

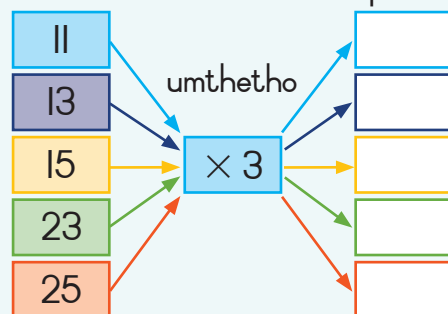
okufakiweko

umphumela



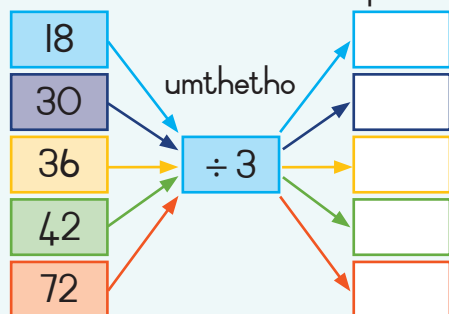
okufakiweko

umphumela



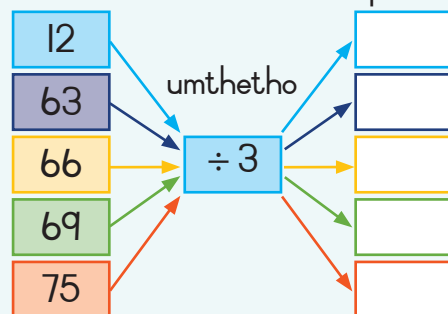
okufakiweko

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: _____

11 12 13 14 15 16 17 18 19 20

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

Ithemu 3



Ungakuphendula msinyane 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	Ukuhlenganisa okubuyelelweko	Ukuhlela	Amaqiniso
2, 4, _ _ _	 _ _ _	$2 +$ _ _ _	_ imida yanga ku-2 xx	$2 \times _ = _$ $4 \times _ = _$ $_ \div _ = _$ $_ \div _ = _$

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

Ukubala ngokweqa	Amabuthhelelo alinganako	Ukuhlenganisa okubuyelelweko	Ukuhlela	Amaqiniso

$$6 \times 4 = 24$$

Ukubala ngokweqa	Amabuthhelelo alinganako	Ukuhlenganisa 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 seiyoke.
Sifuna ukuyaba ngokulingana hlangana nathi sobathathu.



Amaphetheni weenomboro: ngakuthathu bekufike ku-800

Ithemu 3



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 ngakuhlano 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. $76\textcolor{red}{6} - 3 = 76\textcolor{blue}{3}$

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; _____; _____; _____

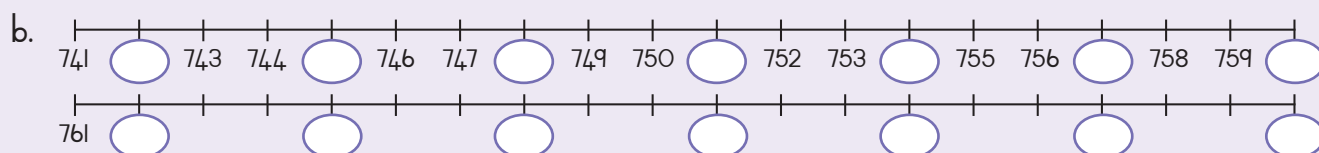
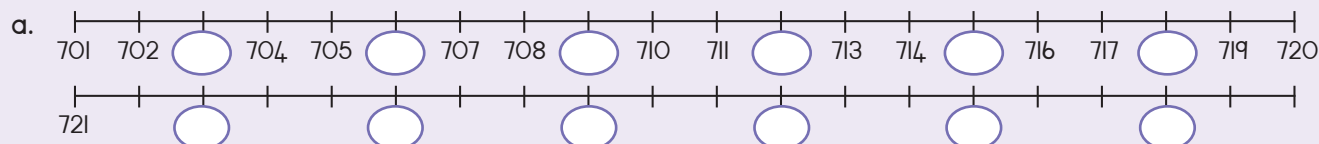
704; 707; 710; _____; _____; _____

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: _____

11 12 13 14 15 16 17 18 19 20

Ukubuyabuyelela: ngakune bekufike ku-75

Ithemu 3

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.

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



Qedelela itheyibula.

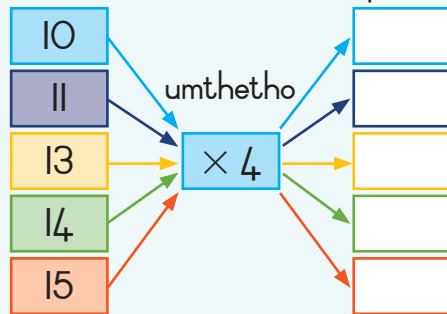
Ukwaba	Ukwahlukanisa
Yaba u-35 ngaku-4	$35 \div 4 = 8$ isalela ngu-3
Yaba u-55 ngaku-4	
Yaba u-70 ngaku-4	
Yaba u-75 ngaku-4	



Qedelela umgwalo owehlako.

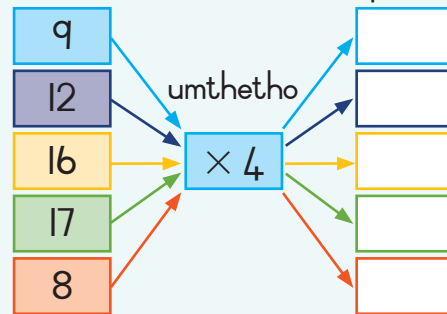
okufakiweko

umphumela



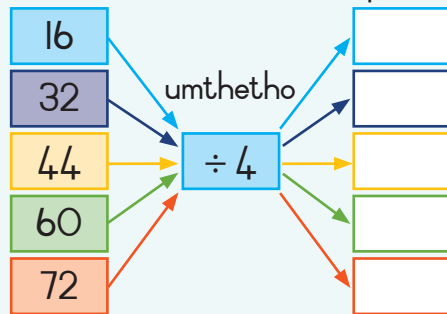
okufakiweko

umphumela



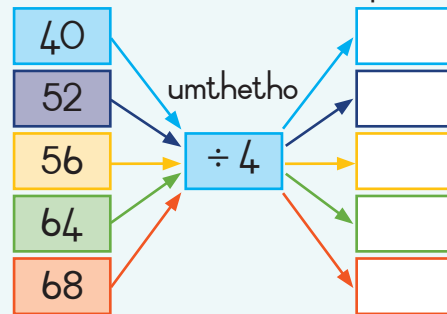
okufakiweko

umphumela



okufakiweko

umphumela



Qedelela itheyibula elingenzasi:

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

×	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?



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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.

- I. Hlanganisa okune enomborweni onikelwe yona.
Sewenzelwe isibonelo.

a. $764 + 4 = 768$

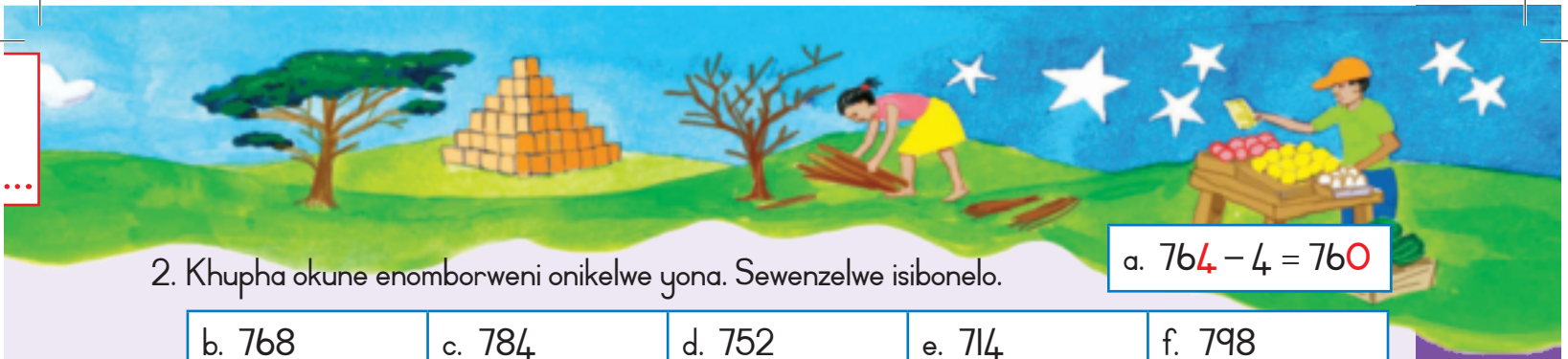
b. 764 _____

c. 788 _____

d. 754 _____

e. 718 _____

f. 794 _____



2. Khupha okune enomborweni onikelwe yona. Sewenzelwe isibonelo.

a. $76\cancel{4} - 4 = 760$

b. 768

c. 784

d. 752

e. 714

f. 798

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



Qala iiyingi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyelelako ngeeyingi lezi?

Yelula ukulandelana kweenomboro ezilandelanako: _____

b. Yelula ukulandelana kweenomboro
ezilandelanako:

703; 707; 711; _____; _____; _____

773; 777; 781; _____; _____; _____

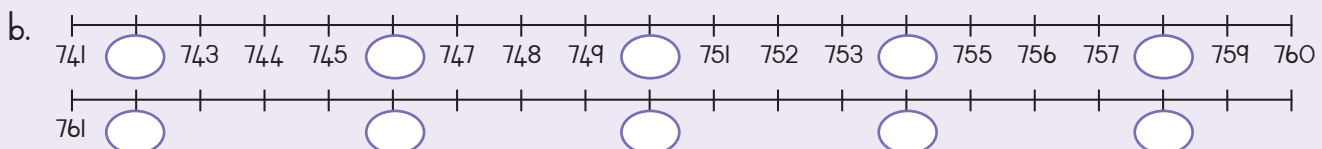
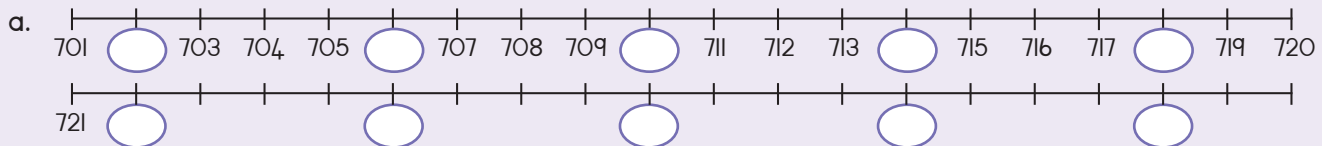
711; 715; 719; _____; _____; _____

783; 779; 775; _____; _____; _____

799; 795; 791; _____; _____; _____



Qedelela ngenomboro enembako esiyingingini ngasinye kumanambalayini alandelako.



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?



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



Ungakuphendula msinyanga kangangani okulandelako?

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



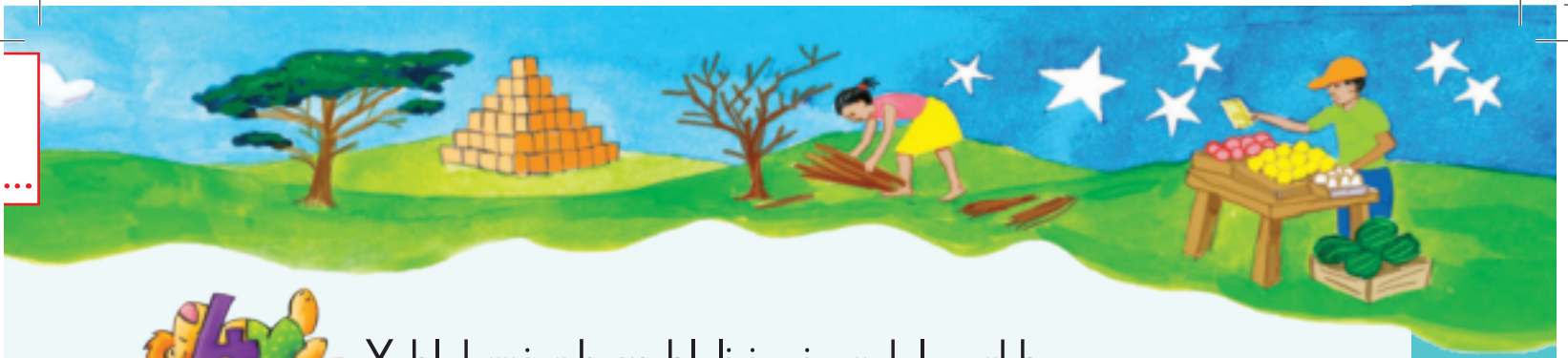
Faka umbala amabhlogo akunikela isibalo
esikunikela isalela.

$12 \div 2 = 6$	$13 \div 3 = 4$ 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 ungahlukanisa inomoro 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 ukhambe uyokwenza irhubhululo.
Wazi njani kobana inomboro iyahlukaniseka ngaku-4?



11 12 13 14 15 16 17 18 19 20

90

Ilanga:



Amatshwayo wezinto eziyi-3D

Ithemu 3



Qala iinthombe.

Khuluma ngelingaphezulu lezinto ezilandelako usebenzise amagama: ukuba sipara nokugobana.

Amabholo	Amabhoksi	Amasilinda	Amaphiramidi	Amakhowuni



Qala iinthombe bese uqedelela imitjho nemibuzo.



a. Ibholo

_____.



b. Kungani ibholo ingatjheleli?

_____.



c. Isilinda

_____.



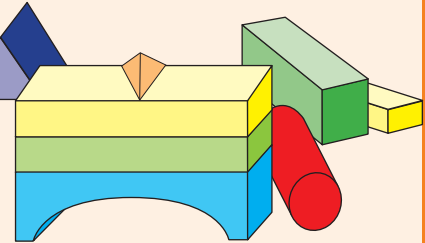
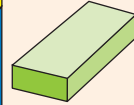
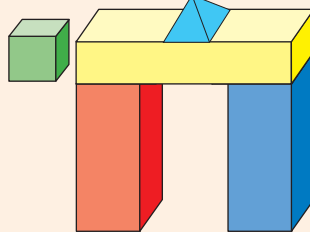
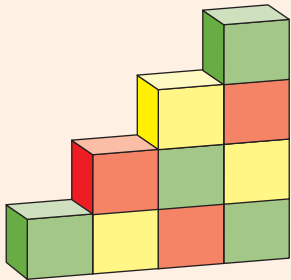
d. Ingabe isilinda iyatjhelela?

_____.



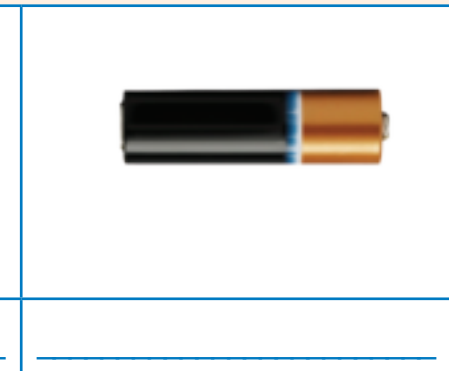
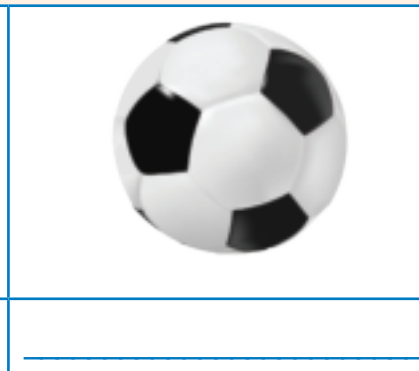
Yitjho into esetjenzisiweko kesinye nesinye isithombe.

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





Yitjho nangabe i-3D inelingaphezulu elisipara nanyana eligobeneko.



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Gwala okulandelako:

Ibhoksi libhalanse phezu kwesilinda.

Ibholo ibhalanse phezu kwesilinda.

Isilinda ibhalanse phezu kwebhoksi.



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Amakhithi wemitletlana yamacezu

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

Ithemu 3



Okupheleleko

Sika iphepha le-5

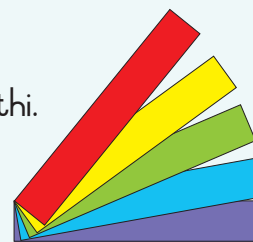
Phezu komtletlana owodwa tlola, "Okupheleleko"

Thatha umtletlana omunye bese uwubhinca ngokuyelela okukhulu wenze isiquntu. Yewuwuvule. Uneengcenge ezilinganako ezingaki?

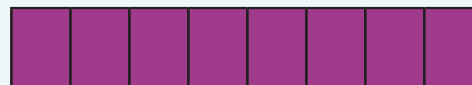
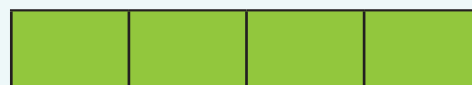
Tlola $\frac{1}{2}$ kenye nenye ihafu bese usika lapha ubhince khona.

Thatha umtletlana wesithathu bese uyawubhinca ube yihafu bese uwubhinca godu ube yihafu. Yewuwuvule. Uneengcenge ezingaki ezilinganako? Tlola $\frac{1}{4}$ keline nelinye icezu eliyengcenge yesine, bese usika lapha ubhince khona.

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



Okukodwa okupheleleko



Sebenzisa ikhithi yamacezwana 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.

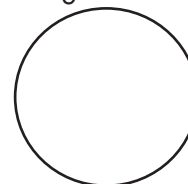
Okukodwa okupheleleko

Hlukanisa umtletlana ngeengcenge zangokwesithathu.

Faka umbala ingcenge yangokwesithathu.

Hlukanisa isiyingi ngeengcenge zangokwesithathu.

Faka umbala ingcenge yangokwesithathu.





Khalara okulandelako:

Ihafu eyodwa	Amakota amathathu	Iingceny eezimbili zangakuthathu
Iingceny 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 zeeyingi zibe ziinqetjhana emacaphazini.
- Leyibula icezu ngalinye:
 - Kelinye ihlangothi tlola icezu le-iri elilodwa.
 - Kelinye ihlangothi, tlola inani lemezuzu ecezwini lelo.



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Date: _____



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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 ingcenywe yakaSipho.

Gwala ingcenywe yakaSipho neyakaGugu.

c.

Mina ngizakuthatha
ihafu yalokho
okuseleko.

U-Andile



d.

Ephayini ngisalelwe
licezu elingangani?

u-Lisa

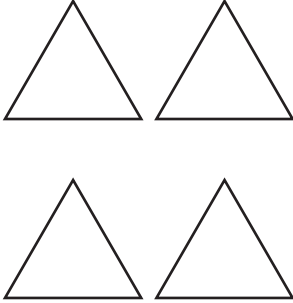
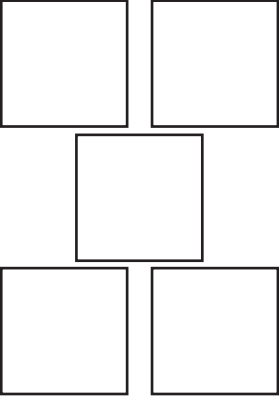
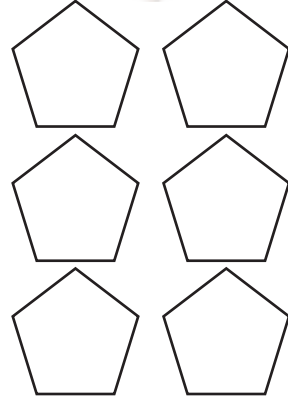


Gwala ingcenywe yakaSipho, yakaGugu neyaka-Andile.

Gwala iingcenywe 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.



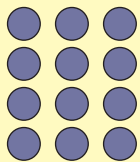
Teacher:
Sign:
Date:

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Ukwaba okusisa emacezwini

Ithemu 3

Lapha
kuneembalisi
ezili-12



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

Sithi lokhu yihafu
(eyodwa).

Sithi lokhu
yihafu (eyodwa).

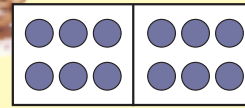




Sabelana ngeembalisi esizabelane
sobabili ngokulingana.

Ngineembalisi
ezisithandathu.

Ngineembalisi
ezisithandathu.



Gwala iinthombe zalokhu okulandelako bese
uphendula imibuzo.

Abangani abathathu babelana amabhola
amathathu.



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

Abangani abane babelana amabhola alitjumi
nambili. abathathu babangani babesana.

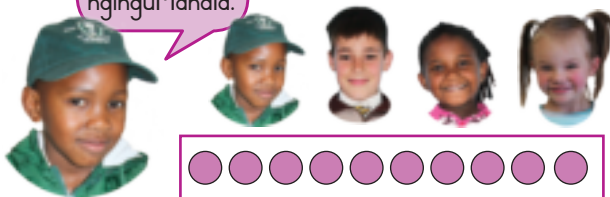


- Omunye nomunye uzokufunyana
amabhola amangaki?
- Umsana omunye nomunye ufunyene
liphi icezu?



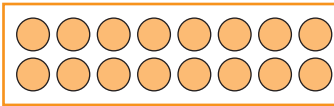
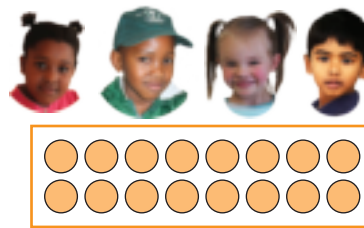
UMandla uzokufunyana liphi icezu?
ULisa uzokufunyana liphi icezu?

Ibizo lami
nginguMandla.



- Umandla noLisa bazokufunyana amabhola
amangaki?

Ibizo lami
nginguLisa.



- Umandla noLisa bazokufunyana amabhola
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-

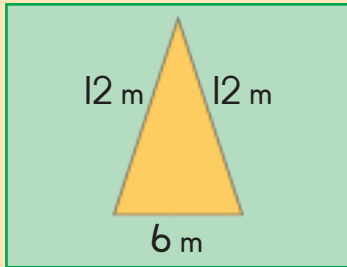
R450 _____ R825 _____ R180 _____



Ibanga elizombako

Ithemu 3

Igama elithi ipherimitha litjho ubude nanyana ibanga elizombe into ethileko.



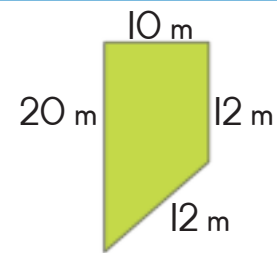
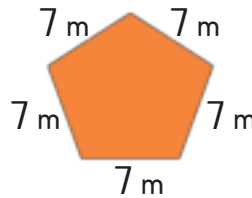
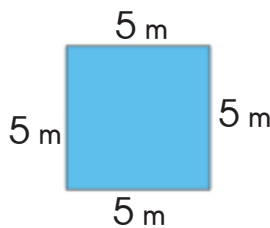
Umlimi uneplodi elingaba silinganiso sehlabathi enguncantathu.

Singafunyana ipherimitha yeplasi ngokuhlanganisa ubude bamahlangothi.

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



Funyana amapherimitha alandelako.



Isivande sakaVeronica.

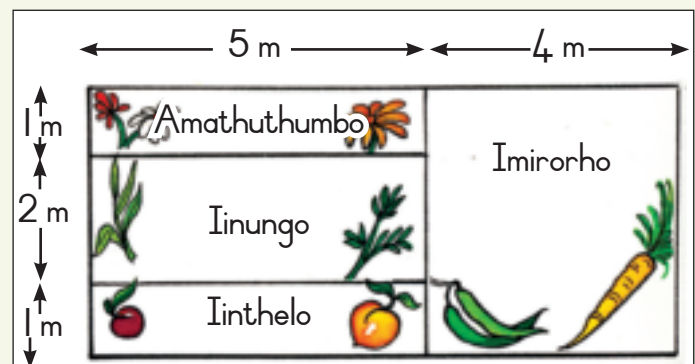
UVeronica ugwala isithombe sesivande afuna ukusitjala.

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



Ukumeda iiyingi.

Sebenza nomngani wakho.

Izinto enizozitlhog: 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 ikhambe 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: _____

95a

Ilanga:

Ukuthengiselana ngemali

Ithemu 3

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 bayadl hegana 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 angahlangana abe litjhumu uwathengise bese ufunaya imali yephepha ema-RIO.

$$\begin{matrix} \text{RI} & \text{RI} & \text{RI} & \text{RI} & \text{RI} & \text{RI} \\ \text{RI} & \text{RI} & \text{RI} & \text{RI} & \text{RI} & \text{RI} \end{matrix} = \text{RIO}$$

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

$$\begin{matrix} \text{RIO} & & \text{RIO} & & \text{RIO} & & \text{RIO} \\ & \text{RIO} & & \text{RIO} & & \text{RIO} & \\ & & \text{RIO} & & \text{RIO} & & \\ & & & \text{RIO} & & \text{RIO} & \end{matrix} = \text{RIOO}$$

5. **Ukuhlawulisa:** Nangabe umdlali uyaliqeda idlhego lakhe kodwana akhohlwe ukuthengisa imali yakhe yesimbi ema-RI ukufunyana imali yephepha ema-RIO, kwenzeke 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 ahlawulise 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 abalitjumi ukwenza i-RI, nguye othumbileko.



Khupha iinsende.

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



95b

Ilanga:

Asiye eentolo!

Ithemu 3



Iingwani ziyathengiswa.

Isitolo sithengisa iingwani ngamanani ama-5 ahlukahlukene.



							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	

- a. Funyana inani lengwani emudeni ngamunye.
b. UKkz. Zondo uthenga omunye umhlobo wengwani.

Sezizoke iingwani, uzokubhadela malini? _____

- c. UButi usebenzisa imali ema-R450 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 amakhekhehane asi-6.
Sebenza ipendulo yakho.

Ikhekhe	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

Ithemu 3



Esitetjhini samapholisa.

Amapholisa amahlanu enza imisebenzi eyahlukeneko. Akuphi njenganje amapholisa?

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

Tlola amabizo walawo:

Asedeskini?

Apatrolako?

Asekhotso?



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 seiyoke?



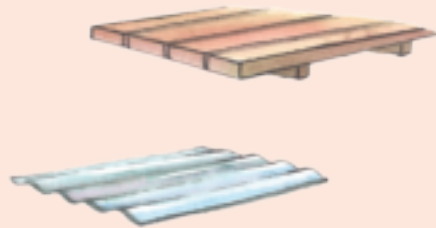
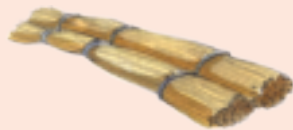
Mhlobo bani walokho ekufulelwe ngakho?

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: _____

11 12 13 14 15 16 17 18 19 20

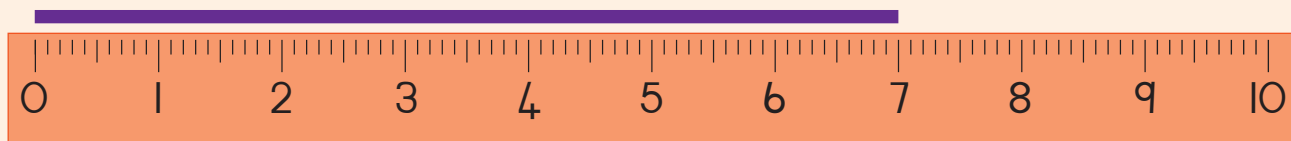


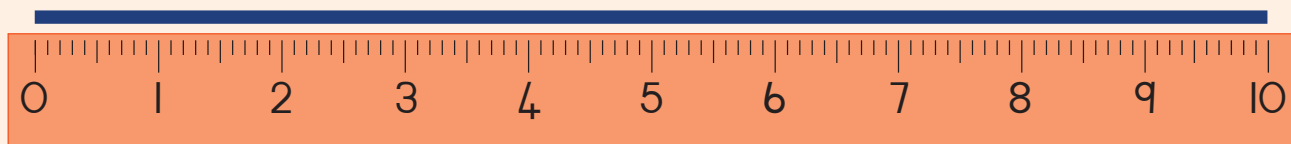
Ukusebenza ngamasenthimitha



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.

- Ubude bencwadi _____
- Ubude bomnyango _____
- Ubude bepensela _____
- Ubude bakho _____
- Ubude bomuno wakho _____

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



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

Ngemuva kokuzisebenzisa ubude bepensela ebovu bobulingana ama-7 cm, ehlazakwesibhakabhaka ama-5 cm, ehlazakotjani 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



- Ngigijphi ipensela oyisebenzise khulu? _____
- Ngigijphi ipensela oyisebenzise kancani? _____
- Tlola ubude beimpensela zakho kusukela kefitjhani ukuya kede _____



11 12 13 14 15 16 17 18 19 20

98

Ilanga:

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.

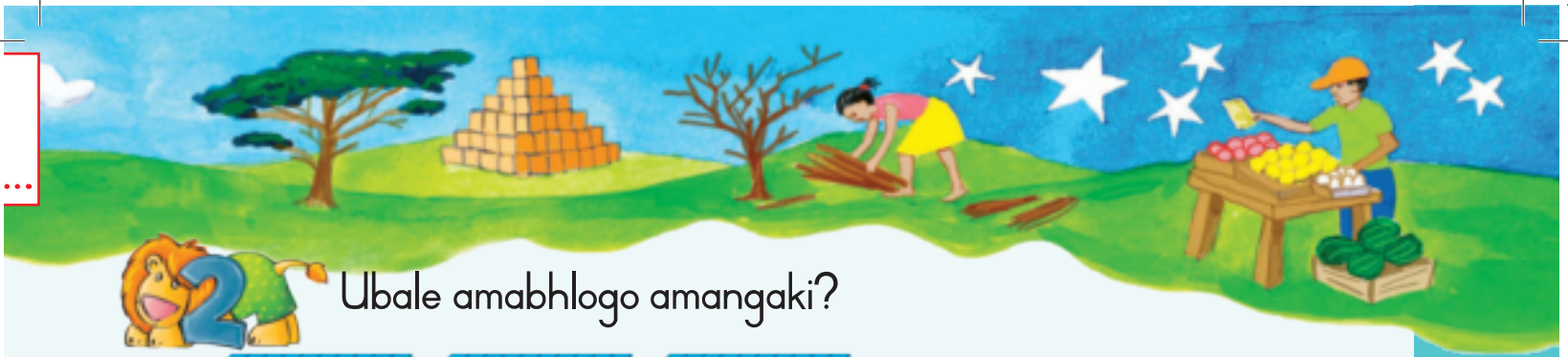
762; 764; 766; _____; _____; _____; _____; _____; _____

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

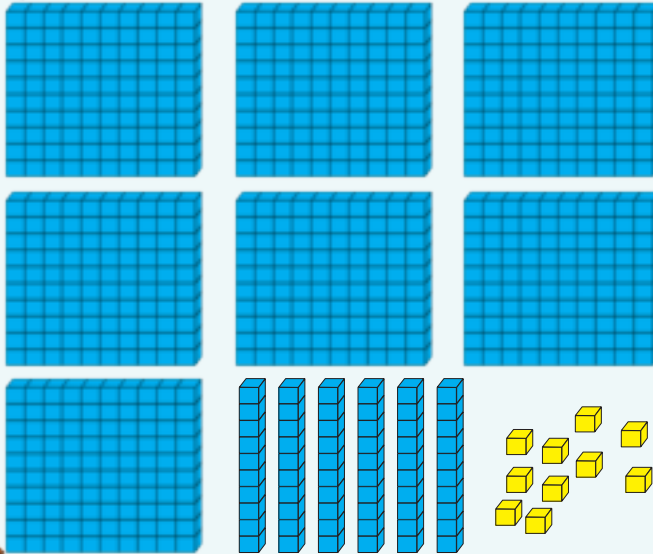
751; _____; _____; _____; _____; _____; _____; _____; _____; _____; 773

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

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



Ubale amabhlogo amangaki?



Uwabale njani amabhlogo?



Qedelela amanambalayini.

750			753				757		759	
							789	788	787	
					753	756	759			



Qedelela
itheybula.

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: _____

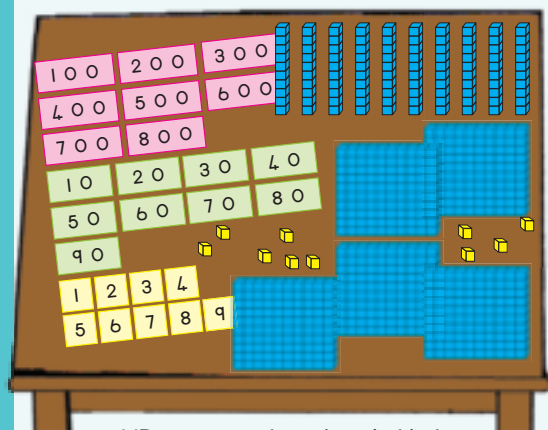
11 12 13 14 15 16 17 18 19 20

qq

Ilanga:

Ezinye iinomboro kusuka ku-700 kufika ku-800

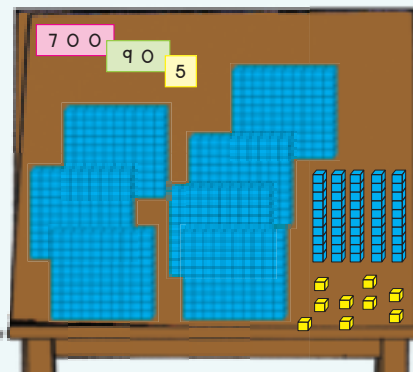
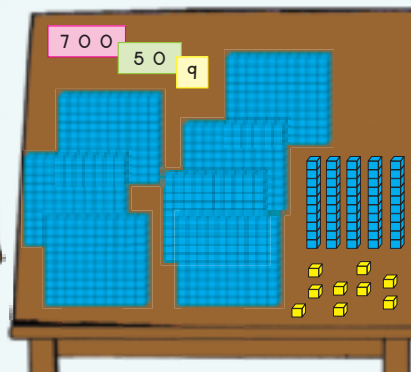
Ithemu 4



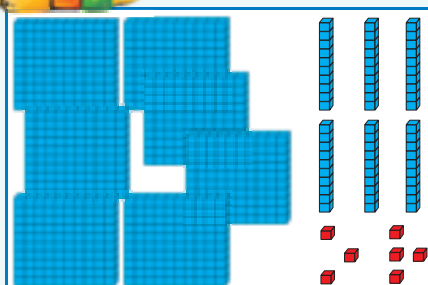
UPeter unamakarada wobukhulu
bedijidi kanye namabhlogo
wamatjumi asisekelo.

Utijhere ubawe uPeter ukutjengisa
iinomboro 759 ngamakarada wakhe
kanye nangamabhlogo.

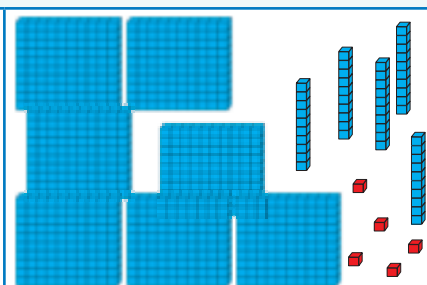
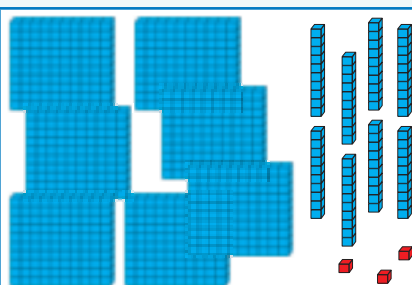
Ngilokhu okutjengiswe nguBen.
Ngikuphi okungakalungi
akwenzileko?



Tlola umutjho weenomboro bese uyaphendula.



$$700 + 60 + 7 = 767$$



Tlola umutjho weenomboro bese uyaphendula.

700	90	9
$700 + 90 + 9$		
=		

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 kgghedlha 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

7 0 0

9 0

9

7 9 9

799 $700 + 90 + 9$



Tlola amabizo weenomboro.

668	
757	
799	
742	
691	



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

100

Ilanga:

Iinomboro 800 kufika ku-900

Ithemu 4



Bala bewutlole!

a. Bala ukusuka ku-800 – 900.

Phimisa iinomboro nawulokhu ubala.

800

900

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.

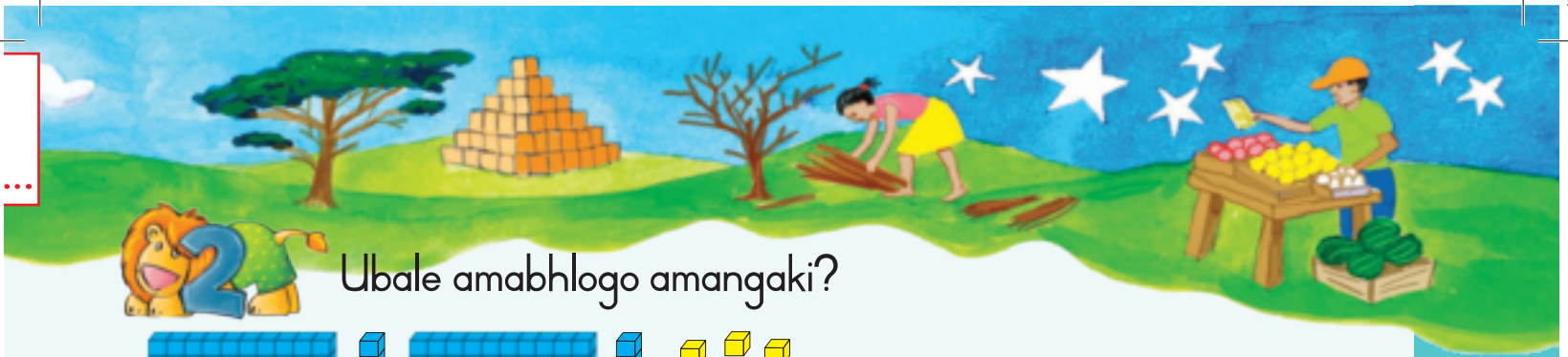
852; 854; 856; _____; _____; _____; _____; _____; _____; _____

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

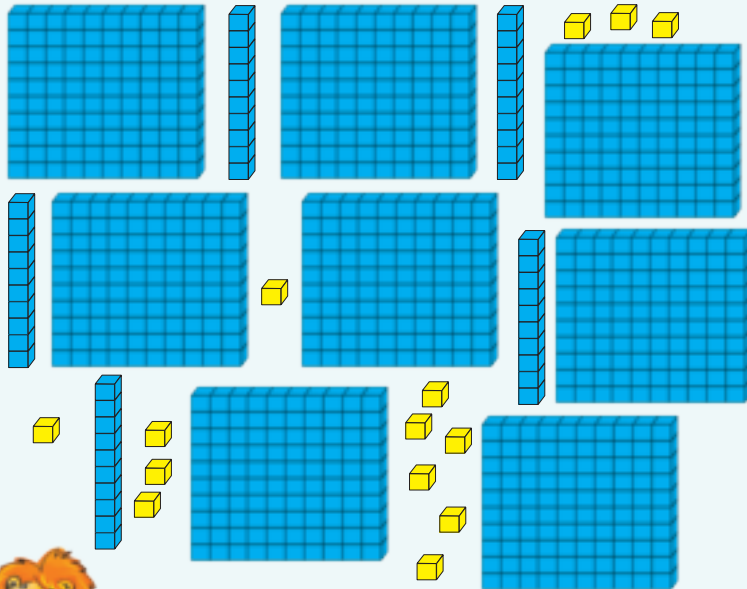
807; _____; _____; _____; _____; _____; _____; _____; _____; _____; 829

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:

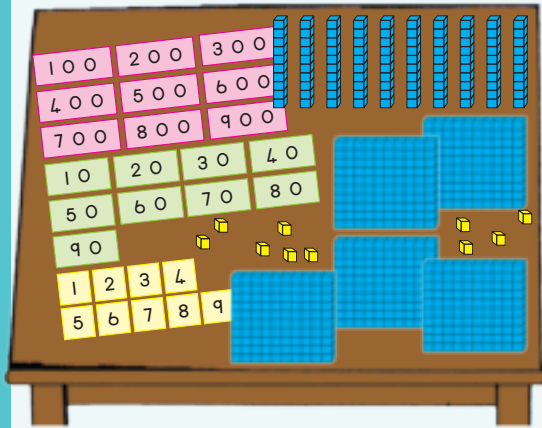
11 12 13 14 15 16 17 18 19 20

IOI

Ilanga:

Ezinye iinomboro kusuka ku-800 kufika ku-900

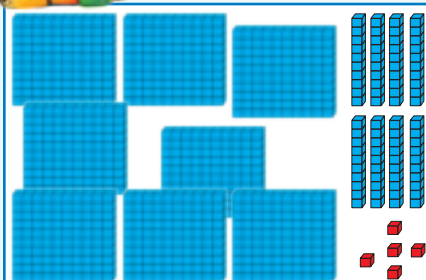
Ithemu 4



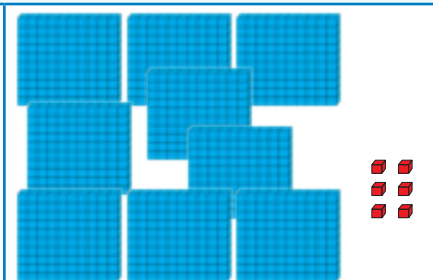
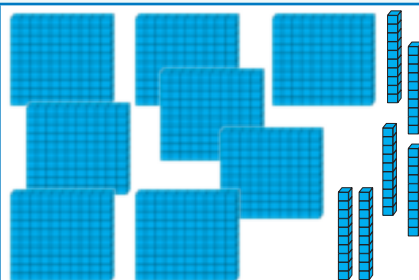
UPeter unekarada elilandelako lobukhulu bedijidi kanye namabhlogo wamatjhumi asisekelo.



Tlola umutjho weenomboro bese kulandele ipendulo yakho.



$$800 + 80 + 5 = 885$$

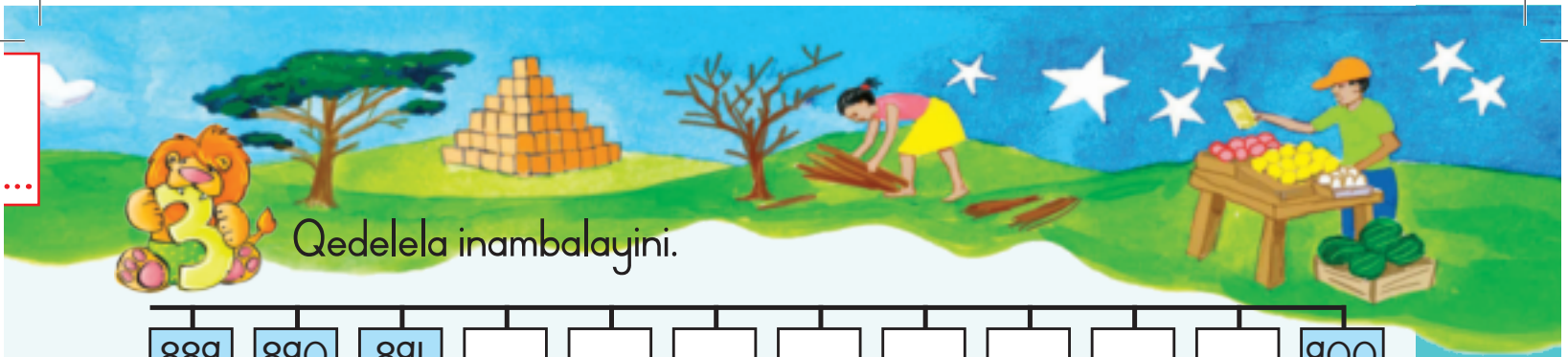


Tlola umutjho weenomboro kanye nependulo yakho.

800	50	2
$800 + 50 + 2$		
=		

800	90	7

800	3



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 kgghedlha 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

8 0 0

7 0

6

8 7 6

876 $800 + 70 + 6$



Tlola ngamagama.

889	
825	
803	
830	
899	



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

102a

Ilanga:

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?



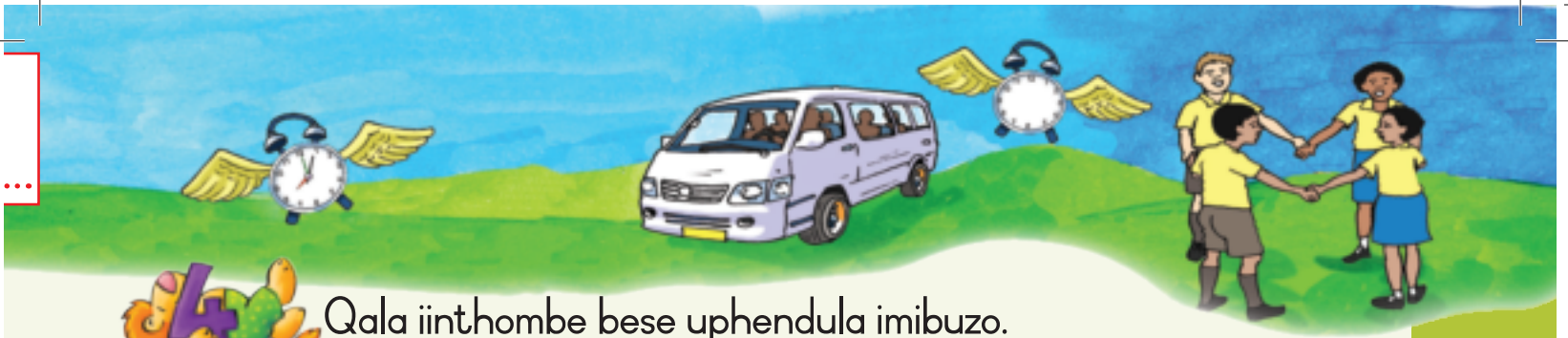
Sisoke sikala ubudisi obungangani?

Ngikala 25 kg, umngani wami ukala 29 kg bese kuthi umnakwethu akale 45 kg.

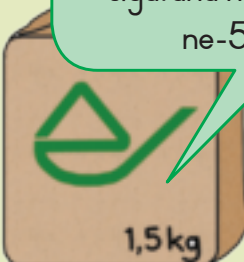


Imikhiqizo sele iyoke ikala kangangani?

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.

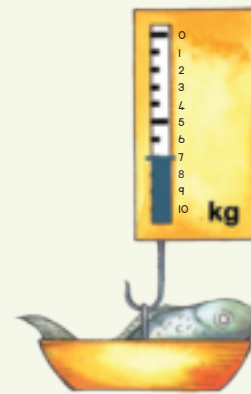
Ubudisi kulokha nakukalwa amandla wegravithi, okumamandla adosela izinto phasi. Amandla adosela izinto phasi mancani khulu enyangeni, okutjho kobana izinto zikala kancani khulu phezulu.

Ephasini sisebenzisa ngamalanga iinlinganiso ezifanako kumasi nanyana ebudisini. Simeda/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.

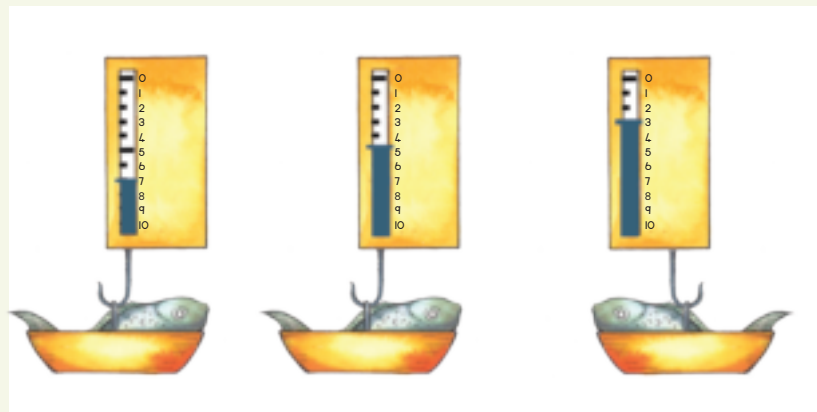


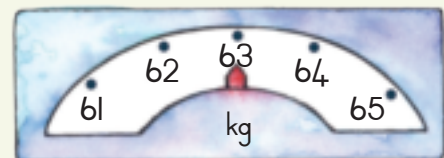
Ihlambi inobudisi obuma-3 kg.

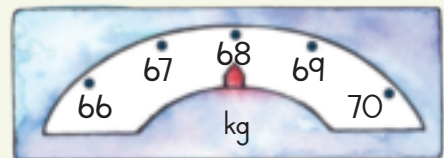


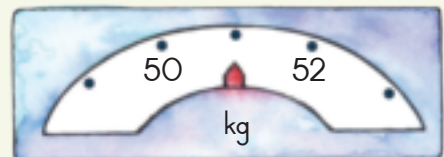
Funya ubudisi babo.

Tlola ubudisi ngamakhilogremu atjengiswe kesinye nesinye isikala sesipringhi ezilandelako.









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

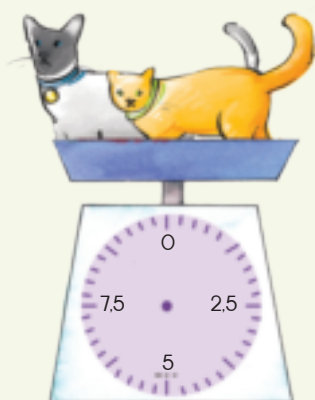
$$1\,000\text{ g} = 1\text{ kg}$$

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

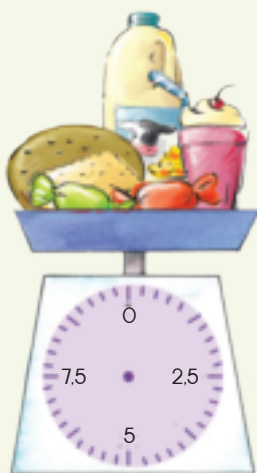


Lokhu kukala kangangani?

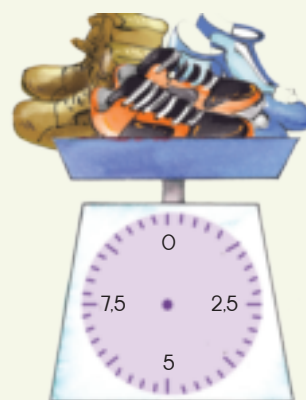
Njalo gwala umkhonto wesikala ngapho okufanele uye ngakhona.



7 kg



4 kg



6 kg



Yenza ikhilogremu.

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

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



103

Ilanga:

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.

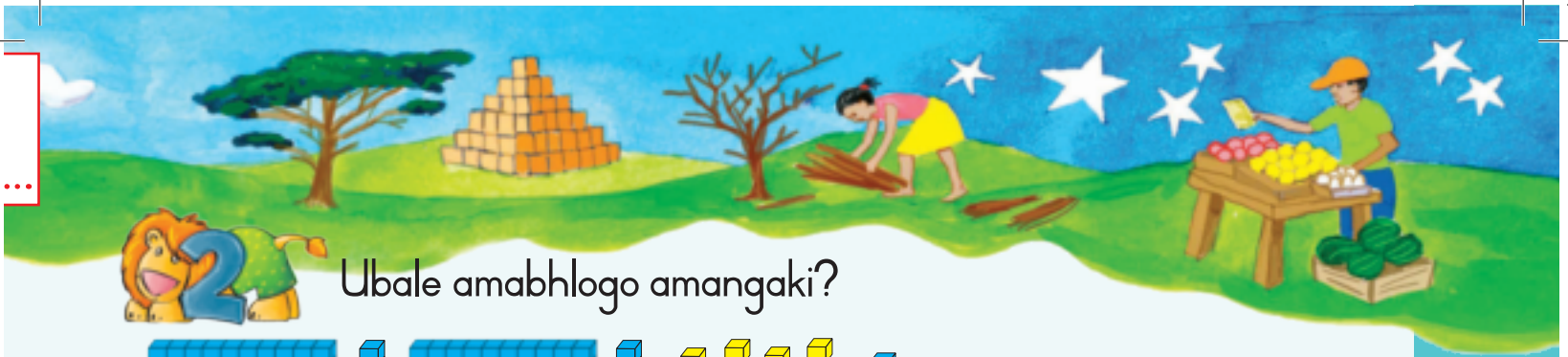
946; 948; 950; _____; _____; _____; _____; _____; _____

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

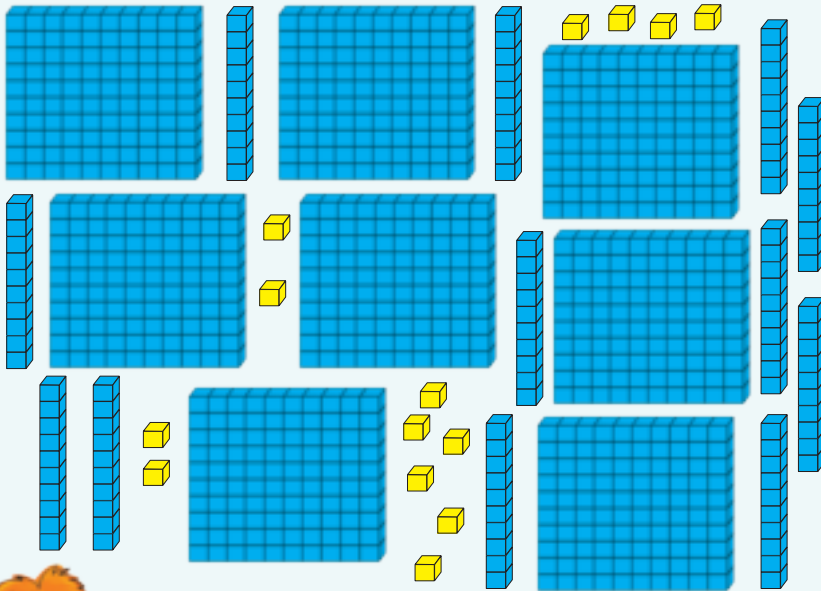
945; _____; _____; _____; _____; _____; _____; _____; _____; 967

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 kekhulu khulu

Tlola ukusuka kekhulu khulu
uye kencani khulu

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



Tlola okulandelako ngamagama.

695



Teacher:

Sign:

Date:

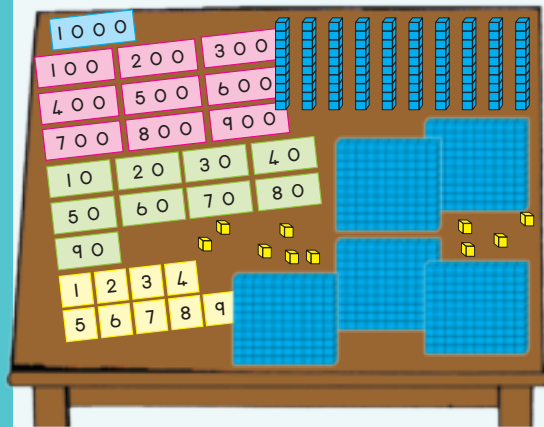
11 12 13 14 15 16 17 18 19 20

104

Ezinye iinomboro kusuka ku-900 kufika ku-1 000

Ilanga:

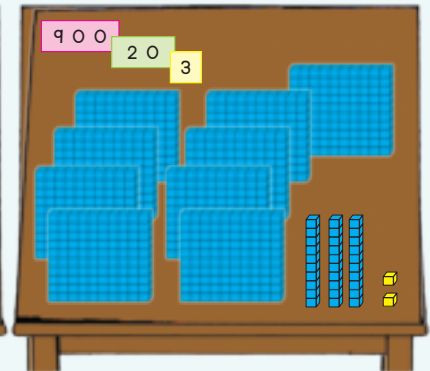
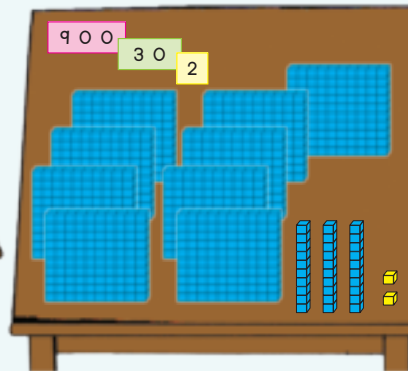
Ithemu 4



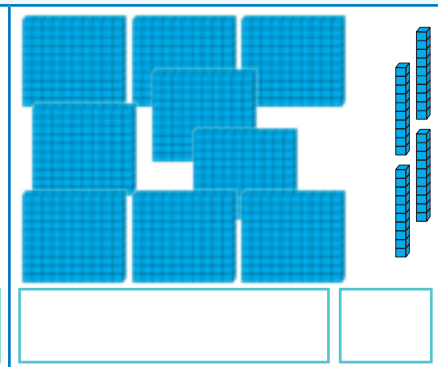
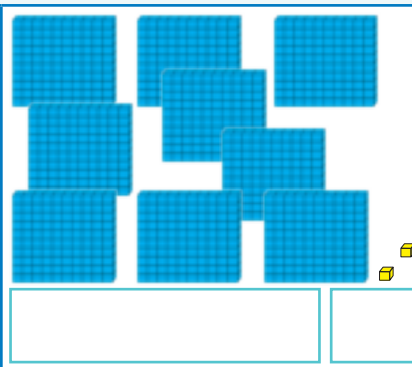
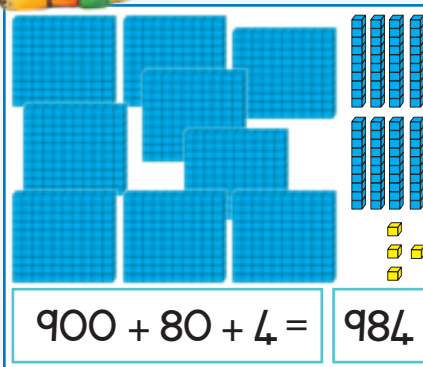
U-Andile unamakarada alandelako wobukhulu bedijidi kanye namabhlogo wamatjumi asisekelo.

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

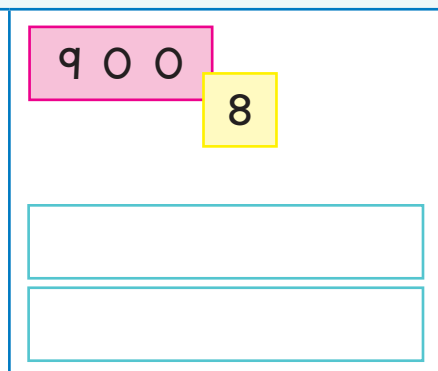
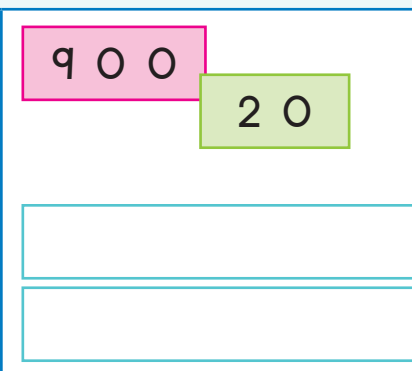
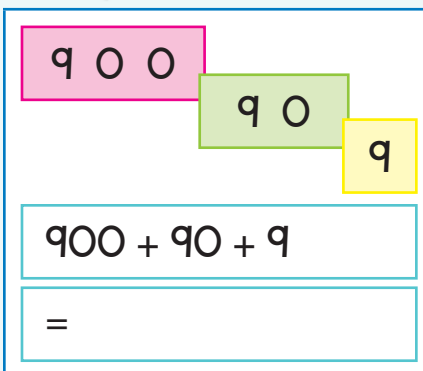
Lokhu ngokutjengiswe nguGugu. Ngikuphi okungakalungi akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.



Tlola umutjho weenomboro bese utlola ipendulo.





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: _____

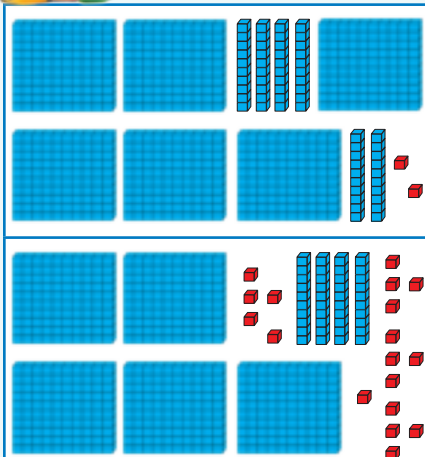
11 12 13 14 15 16 17 18 19 20

Ukuhlenganisa nokukhupha kufika ku-999

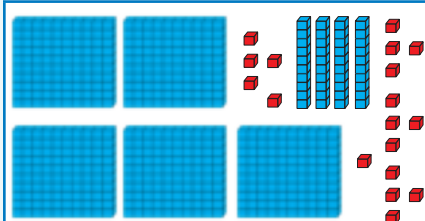
Ithemu 4



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 sikuhlahle.

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.

Uburotho 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.



Uburotho 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 ikhwitji	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 mune!

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 isitjulo.

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

Utlola phasi kobana usebenzisa amafutha wokupheka angangani ngelanga.

NgoMvulo	NgeLesibili	NgeLesithathu	NgeLesine	NgeLesihlanu	NgoMgqibelo	NgoSondo
98 ml	122 ml	108 ml	117 ml	109 ml	135 ml	?

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!



Ukusebenza ngemali

Ithemu 4



Bala imali yesimbi/emumuwa kanye neyamaphepha.

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



Ikhambo 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. R45,50



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.

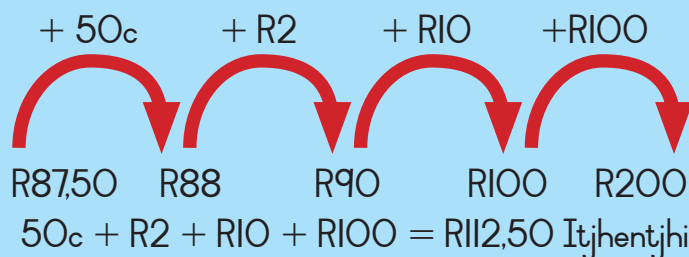
Ukufunzana itjhentjhi yakho ungahlanganisa kobana izinto zibiza malini bekufike lapha ubala imali yamaphepha eseleko noyiphetheko.

Isibonelo:

UPalesa uthenga ukudla ngemali
ema-R87,50

Ubhadela ngemali eliphepha
ema-R200.

Yimalini itjhentjhi yakhe?



Sebenzisa amanambalayini ukuze akusize ukubala itjhentjhi.

Iindleko:

R229,40

Bhadela

ngama-:



Iindleko:

R305,60

Bhadela

ngama-:



11 12 13 14 15 16 17 18 19 20

Okhunye ukuhlenganisa 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?

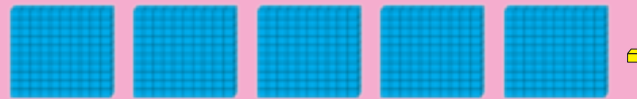
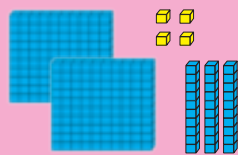
Lithini igama eliqakathekileko? ezingezelelweko

Zithini iinomboro? 234 ne-501

Asitjengise lokhu ngamabhlogo wethu
asisekelo wamatjhumu.



Lokhu kwenziwe nguLisa
ukurarulula isibalo sakaGugu.



U-Aakar wenze lokhu.
Wenze umgwalo.



ULisa uwabeke ngendlela efanako neyaka-Aakar njani amabhlogo asisekelo wamatjhumu.

Sebenzisa inomboro emrarweni ukusombulula okungenzasi ngeendlela ezimbili ozifundileko bekube nje.

Indlela yoku-1

Indlela yesi-2



Imisebenzi eyenziwa ekuseni.

UThembi 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 Khupha
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 Khupha
Yenza umgwalo.	Sebenzisa indlela yakho ukuveza isisombululo.



11 12 13 14 15 16 17 18 19 20

Okhanye ukuhlenganisa 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 _____.

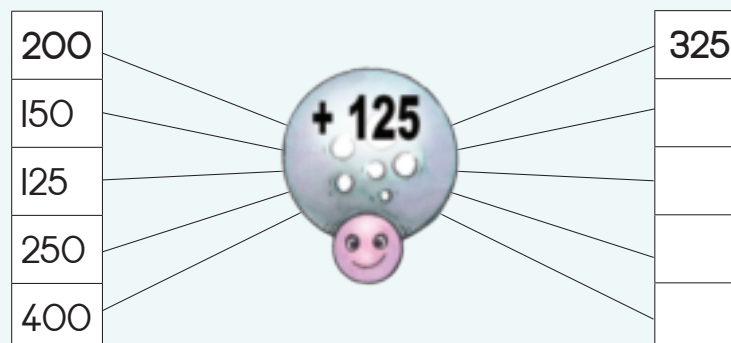
f. Ihafu yama-300, ipendulo
_____.

g. Ama-420 nakabuyelelwe kabili ipendulo
_____.

h. Ihafu yaka-600, ipendulo-
_____.



Hlenganisa
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. $\square + 30 + 900 = 1000$

Funya 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:

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



11 12 13 14 15 16 17 18 19 20

Amaphazeli wokumeda/wokulinganisa

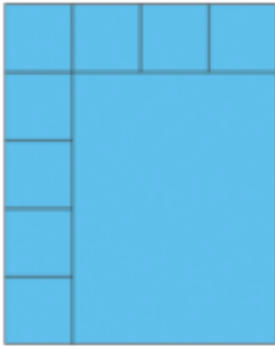
Ithemu 4



Funyana i-eriya.

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

a.



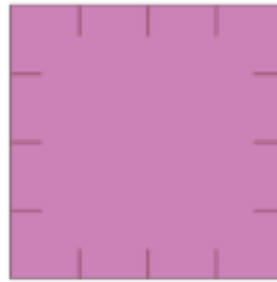
b.



c.

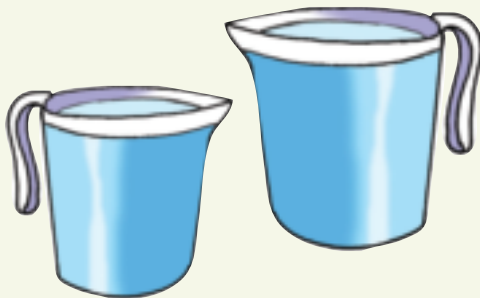


d.





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?

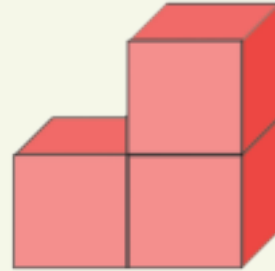
Umtlhala: okungenani kuneendlela okungizo ezimbili.



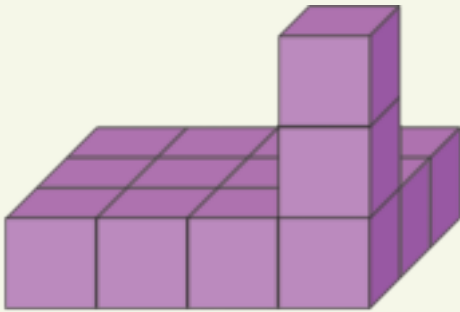
Ubona ini?

Amabhlogo amathathu ananyathiselwe ndawo yinye njengesithombeni.

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



Bala amakhyubhu.



Makhyubhu amangaki enze ijamo elilandelako?



Isityhijilo: 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: _____

11 12 13 14 15 16 17 18 19 20

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
2		=	_____	iingojwana
3		=	_____	iingojwana
4		=	_____	iingojwana
5		=	_____	iingojwana
6		=	_____	iingojwana
7		=	_____	iingojwana
8		=	_____	iingojwana
9		=	_____	iingojwana
10		=	_____	iingojwana



10		=	_____	iingojwana
20		=	_____	iingojwana
30		=	_____	iingojwana
40		=	_____	iingojwana
50		=	_____	iingojwana
60		=	_____	iingojwana
70		=	_____	iingojwana
80		=	_____	iingojwana
90		=	_____	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 yeenyanda ezili-10 ÷ _____ zeengojwana

$$20 \times 10 = \underline{\hspace{2cm}}$$

Imida emi-4 yeenyanda ezili-10 ÷ _____ zeengojwana

$$40 \times 10 = \underline{\hspace{2cm}}$$

Imida eli-10 yeenyanda ezili-10 ÷ _____ zeengojwana

$$100 \times 10 = \underline{\hspace{2cm}}$$



Ziinyanda ezingaki?

Iingojwana ezima-700 zibopha iinyanda _____.

Iingojwana ezima-900 zibopha iinyanda _____.

Iingojwana ezili-1 000 zibopha iinyanda _____.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukutjhideza eduze ne-10

Ithemu 4

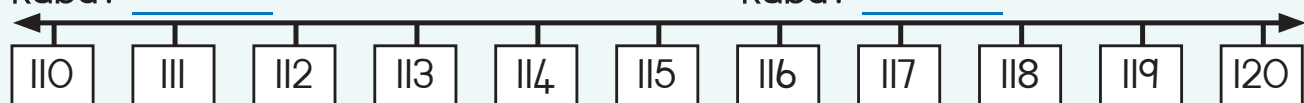
Sesikwenzile okhunye ukutjhideza eduze lapha sesidlule khona keline iphepha lokusebenzela. Qala inambalayini bese uhlathululela umngani wakho kobana ungatjhideza njani uye etjhumini elilandelako.

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



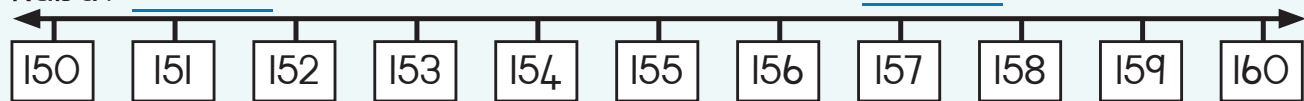
Tjhideza eduze kwe-10.

U-114 nakatjhidezwe eduze kuba? _____



U-117 nakatjhidezwe eduze kuba? _____

U-159 nakatjhidezwe eduze kuba? _____

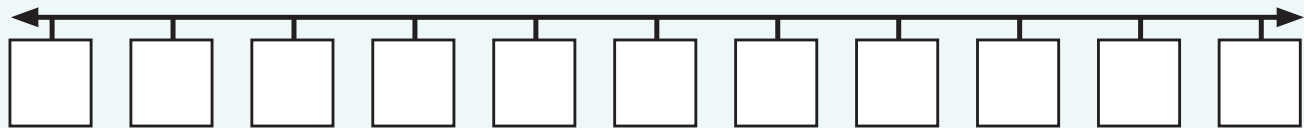


U-151 nakatjhidezwe eduze kuba? _____

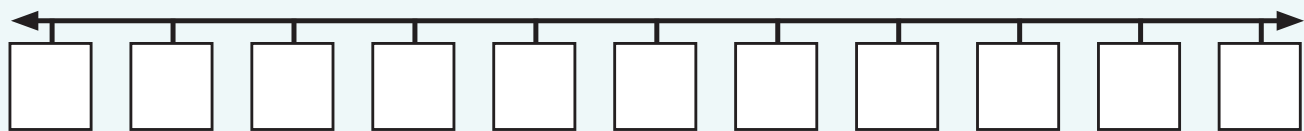


Tjhideza eduze kwe-10.
Zigwalele inambalayini yakho.

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-R10 wephepha 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-R10 wephepha amangaki.



Teacher: _____
Sign: _____
Date: _____

11 12 13 14 15 16 17 18 19 20

Ukubuyabuyelela nokuhlukanisa: ngakuhlani ukufika ku-100

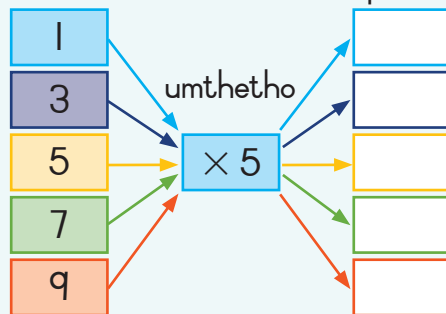
Ithemu 4



Qedelela umgwalo owehlako.

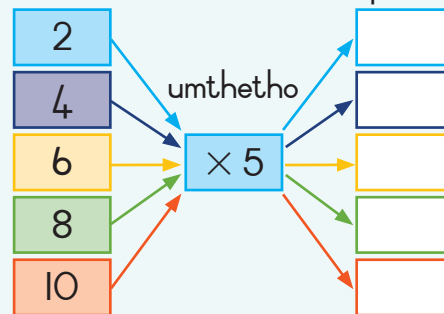
okufakiweko

umphumela



okufakiweko

umphumela



Qedelela itheyibula engenzasi:

×	1	2	3	4	5	6	7	8	9	10
5										



Balisisa:

$$12 \times 5$$

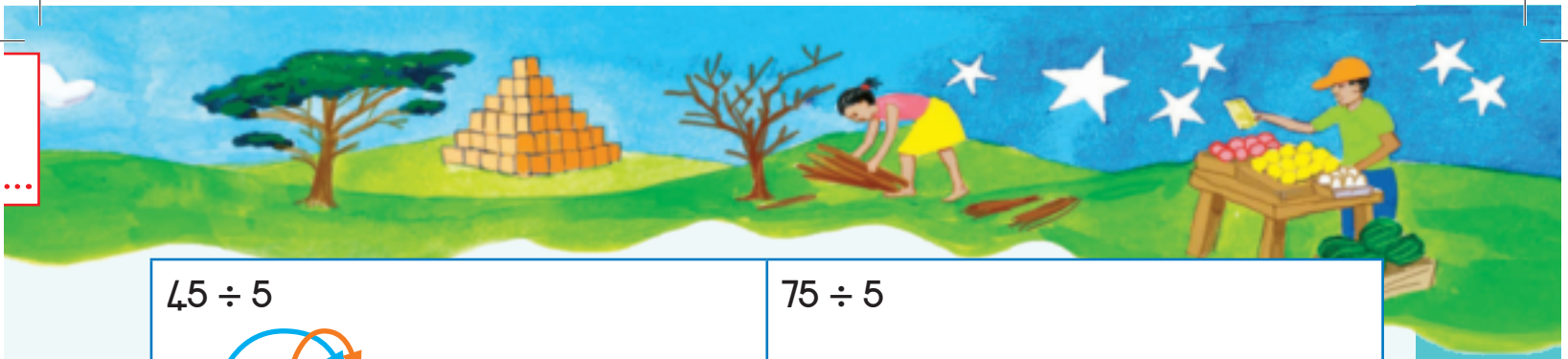
$$\begin{aligned}
 &= (10 + 2) \times 5 \\
 &= 50 + 10 \\
 &= 60
 \end{aligned}$$

$$11 \times 5$$

$$13 \times 5$$

$$\begin{aligned}
 &= (10 + 3) \times 5 \\
 &= 50 + 15 \\
 &= 50 + 10 + 5 \\
 &= 65
 \end{aligned}$$

$$13 \times 5$$



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

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

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

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

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

$$13 \div 5$$



Rarulula imiraro elandelako:

Isivande semirorho sinemida eli-14 yeentjalo.

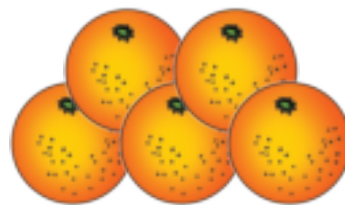
Umuda omunye nomunye unenani elilinganako leentjalo.

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?



Amaphetheni weenomboro: ngakuhlanu bekufike ku-1 000

Asibale ngakuhlanu 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. $875 + 5 + 5 + 5 =$ _____	b. $850 - 5 - 5 - 5 =$ _____	c. $845 + 5 + 5 =$ _____
d. $830 - 5 - 5 - 5 =$ _____	e. $886 + 5 =$ _____	f. $846 - 5 - 5 =$ _____
g. $802 + 5 + 5 + 5 =$ _____	h. $801 - 5 =$ _____	i. $853 - 5 - 5 - 5 =$ _____



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	970
971		973	974	975	976		978	979	980
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?



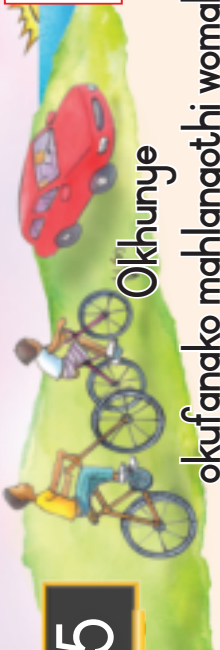
Qedelela amaphetheni.

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: _____

11 12 13 14 15 16 17 18 19 20



Okhunya

okufanako mahlangothi womabili



Isiboniboni, isiboniboni.



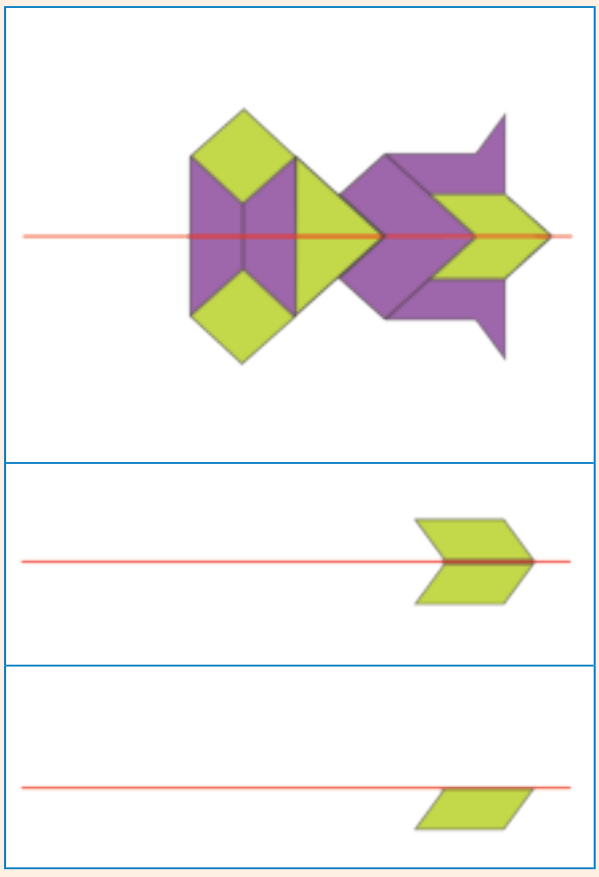
Dlala nomngani wakho nisebenzise enye yamasede wamaphazela wamachayili (aneenqetjhana ezili-14) kiboSika IO.

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.

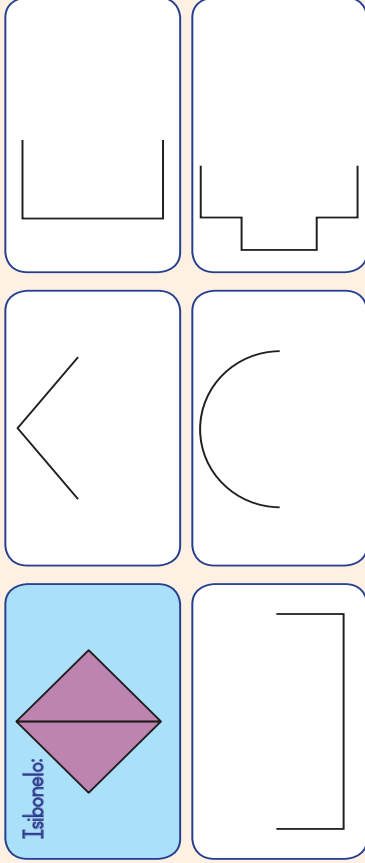
Umdlali wesibili ubeka ukubuyisa kwakho ngakelinye ihlangothi lomuda. Kumele isiqetjhana sthinte umuda nanyana elinye ijamo esele libekiwe.

Raga uye phambili bekufike lapha sewusebenzise zoke iinqetjhana.

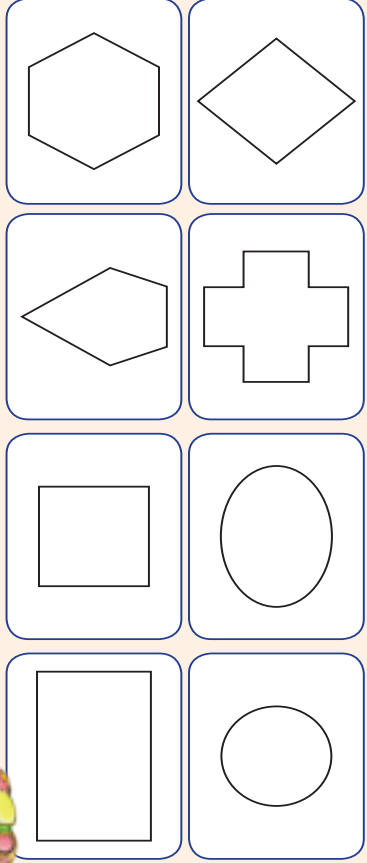


Gwala elinye ihlangothi lejamo.

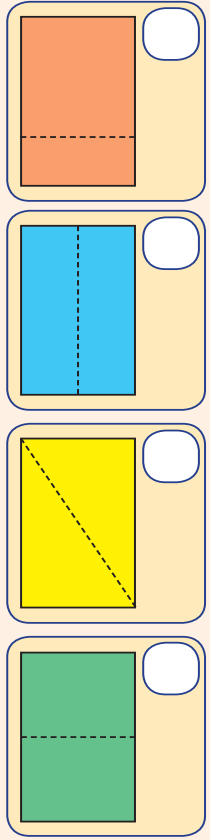
Ngemva kwalapho tjengisa umuda otjengisa ukufana mahlangothi woke.



Gwala umuda otjengisa ukufana mahlangothi womabili wokulandelako:



Thika amjamo anemida enemibko efana mahlangothi womabili.



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 nezilingalinganako.

- a. Gwala u-(X) eduze kweenomboro ezingalinganiko kanye netshwayo (✓) eduze kweenomboro ezingalinganako.

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

- b. Phendula ngokuthi zigulingana nanyana azilingalingani.

Nawuhlanganisa inomboro ezimbili ezingalinganako, ufunyana ipendulo eyinomboro
Hlanganisa inomboro ezimbili ezingalinganako, ufunyana ipendulo eyinomboro
Nawuhlanganisa inomboro ezintathu ezingalinganiko, ufunyana
ipendulo eyinomboro _____.



Ukutjola imithi.

Le ngenye yeendlela zokutjola imithi ema-48 ngemarejini alinganako.



Singatjola nje: $2 \times 24 = 48$ (Imida emi-2 yemithi ema-24 = 48) nanyana $48 \div 2 = 24$
(Imithi ema-48 erhenjise ngenida emi-2 elinganako iba mithi ema-24 emudeni ngamunye).
Bala Imida kanye nemithi kesinye nesinye Isithombe. Tlola u $\times$ kanye no- $\div$ wemithi jo
yeenomboro ukumadanisa.

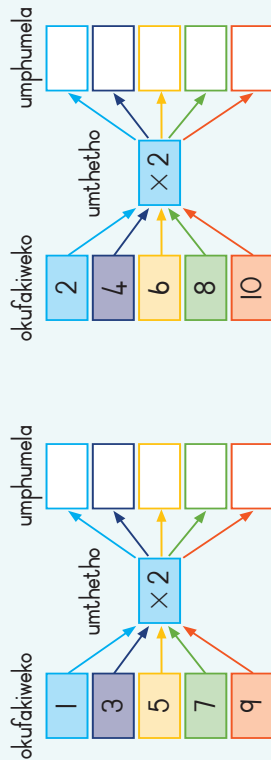
a. $\frac{\quad}{\quad} \times \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} \div \frac{\quad}{\quad} =$	
b. $\frac{\quad}{\quad} \times \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} \div \frac{\quad}{\quad} =$	
c. $\frac{\quad}{\quad} \times \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} \div \frac{\quad}{\quad}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

Teacher:
Sign:
Date:

Ukubuyabuyelela nokuhlukanisa:

ngakubili bekufike ku-100

Qedelela umgwalo wesiswebu.



Qedelela itheyibula engenzasi.

[illegible]

Balisa:

2×2

$$= x^2$$

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

$$\frac{2}{8} \times 2$$

22×2

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



Rarulula umraro olandelako:



Isivande semirorho sinemida ema-32 yeentjalo.

Umuda omunye nomunye uneentjalo ezi-2.

Kuneentjalo ezingaki esivandeni?



Isivande sinemida ema-40 yeentjalo.

Umuda omunye nomunye uneentyalo ezilinganako.

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

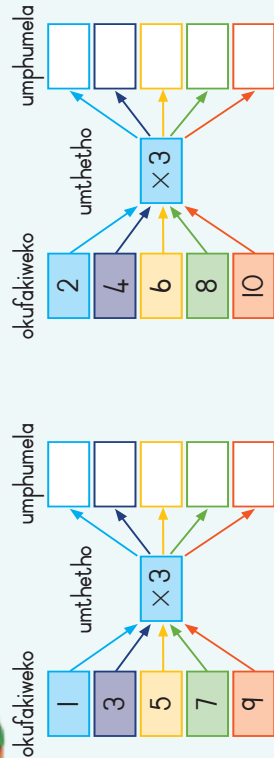
Teacher: _____
Sign: _____
Date: _____

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:

$$12 \times 3$$

$$= (10 + 2) \times 3$$

$$= 30 + 6$$

$$= 36$$

$$17 \times 3$$

$$= (10 + 7) \times 3$$

$$= 30 + 21$$

$$= 30 + 20 + 1$$

$$= 51$$

$$11 \times 3$$

$$19 \times 3$$

$$63 \div 3$$

$$= (60 + 3) \div 3$$

$$= (60 \div 3) + (3 \div 3)$$

$$= 20 + 1$$

$$= 21$$

$$65 \div 3$$

$$= (60 + 5) \div 3$$

$$= (60 \div 3) + (5 \div 3)$$

$$= 20 + 1 \text{ isalela } 2$$

$$= 21 \text{ isalela } 2$$

$$96 \div 3$$

$$98 \div 3$$



Rarulula iminaro elandelako:

UMarlene unamaswidi ama-30.

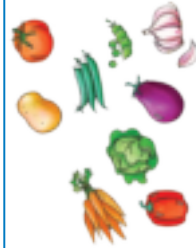
La maswidi abuyelelwe kalitjhum kilawa uJacob anawo.

UJacob unamaswidi amangaki?

Isivande semirorho sinemida ema-29 yeenitjalo.

Umuda ngamunye uneenitjalo 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

Inomboro ezindulungelweko zitjengisa amaphetheni maphi?

Ezindulungelwe ngoku- orentji :	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. $880 - 3 - 3 - 3 =$ _____

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	928		930
931		933	934		936	937		939	940
	942	943		945	946		948	949	
951	952		954	955		957	958		960
961		963	964		966	967		969	970
	972	973		975	976		978	979	
981	982		984	985		987	988		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. Ubona iphetheni yiphi?



Qedelela amaphetheni.

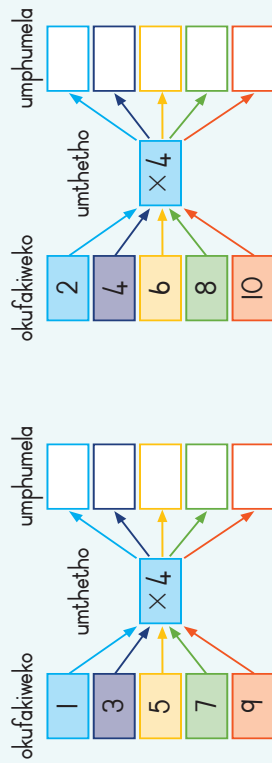
a. Hlanganisa nabo-4 abane ku-981.	984, 987, 990, 993
b. Hlanganisa abo-5 abahlanu ku-973.	_____
c. Khupha abo-4 abane ku-975.	_____
d. Khupha abo-3 abathathu ku-947.	_____
e. Hlanganisa nabo-2 ababili ku-932.	_____

Teacher: _____
Sign: _____
Date: _____

Ukubuyabuyelela nokuhlukanisa

ngakune bekufike ku-100

Qedelela umgwalo wesiswebu.



Qedelela itheyibula engenzasi:

×	1	2	3	4	5	6	7	8	9	10
4										

Balisisa:

$$\begin{aligned}
 12 \times 4 &= (10 + 2) \times 4 \\
 &= 40 + 8 \\
 &= 48
 \end{aligned}$$

$$\begin{aligned}
 13 \times 4 &= (10 + 3) \times 4 \\
 &= 30 + 12 \\
 &= 30 + 10 + 2 \\
 &= 52
 \end{aligned}$$

11×4

15×4

$$48 \div 6$$

$$\begin{aligned}
 &= (40 + 8) \div 4 \\
 &= (40 \div 4) + (8 \div 4) \\
 &= 10 + 2 \\
 &= 12
 \end{aligned}$$

$$64 \div 4$$

$$45 \div 4$$

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

$$49 \div 4$$



Rarulula imiraro elandelako:

UTony unamaswidi ama-36.

Udla amaswidi amane ngelanga.

Amaswidi la angawadla ngamalanga amangaki?

UDavid uthengisa iphakethe enama-orentji amane ngaphakathi.

Unama-orentji ama-88.

Angabopha amaphakethe amangaki wama-orentji?



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.

Khulara amabhlogo weenomboro ezitlhayelako ngokuhlaza satjani. Khulara 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.	_____

Iingenye ezilinganako zokupheleleko

Okupheleleko, ihafu, nanyana ungasika ngayiphi indlela.

Sika ukhuphe abonantshathu
ephepheni elikhaliweko (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

ngehlangothi elibutjhiyama. Sika iphepha libe yihafu lapha

ubhince. Elinye nelinye icezu yihafu yesiqetjhana sephepha

ekuthonywe ngaso.

3. Ngijijphi 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**.



Amasamejisi wesidlo semini.



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



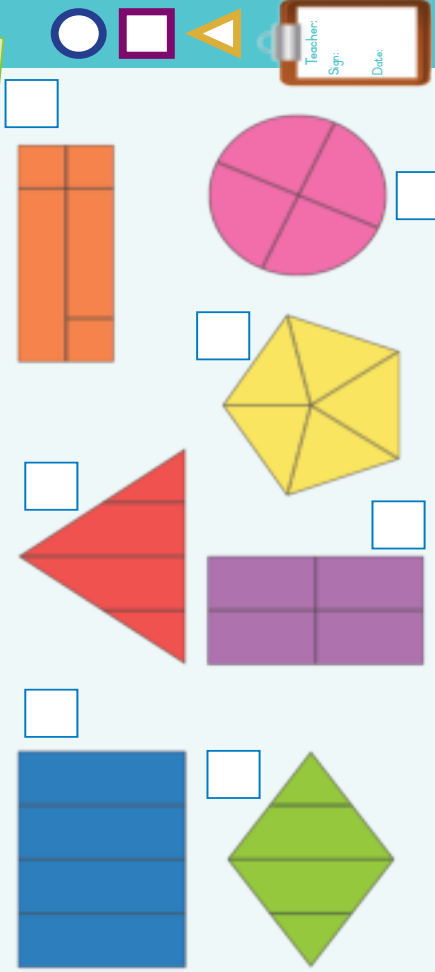
Ukuhlukanisa kube macezu amane alinganako (amkotal).



Lokha nasika into ibe makota ($\frac{1}{4}$ s), siyehlukanisa ibe macezu amane alinganako.

Tshwaya (✓) iint'hombe kilezi ezingenzasi ezitjengisa amkotal.

Hlalisa!
Madanisa!
Lungisa!

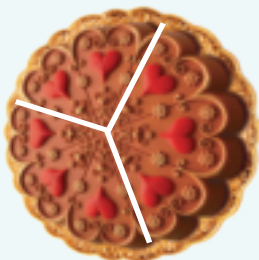


Teacher:
Sign:
Date:

Imiraro yamacezu



Khulumisana nomngani wakho ngamacezu.



Rarulula umraro ngokuphendula imibuzo nokwenza imidwebo.

a. Umbanduli wenetbholo upha abadlali ngamunye ihafu ye-orentji, boke abadlali bali-14.

Uzokutlhoga ama-orentji amangaki? _____

Uthini umbuzo? _____

Yitjho iinomboro nanyana amacezu wesibalo esimraro? _____

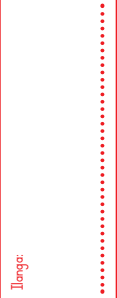
Ngiliphi igama eliqakathhekileko? _____

Gwala isithombe.



It hini ipendulo? _____

Igama eliqakathhekileko
ngilelo elizangisiza ukukhetha
itshwayo lokubala elifaneleko.



Ilanga:

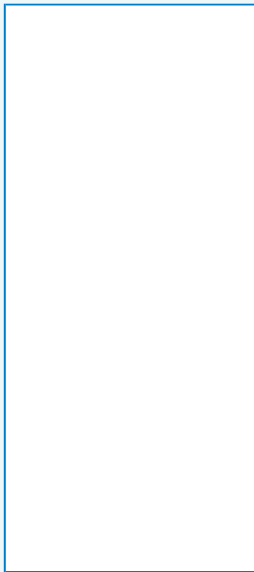
b. Umma unikela omunye nomunye wabangani bami abali-11 ikota ye-apula.

Utlhoga ama-apula amangaki? _____

Yitjho iimbalo nanyana amacezu wesibalo esimraro? _____

Ngiliphi igama eliqakathhekileko? _____

Gwala isithombe.



It hini ipendulo? _____

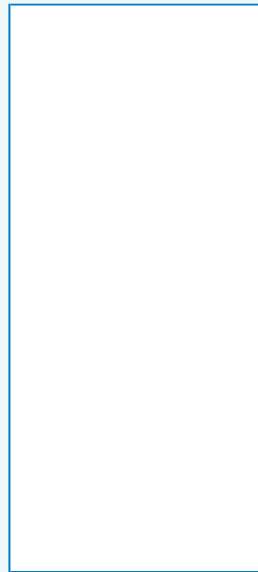
c. Ngelanga lokuthengiswa kwamanandinandi esikolweni.

Kuthengiselwe abantu abama-24, iingcenywe zekhekhe.

Kuthengiswa amakhekhe amangaki? _____

Ngiliphi igama eliqakathhekileko? _____

Gwala isithombe.



It hini ipendulo? _____

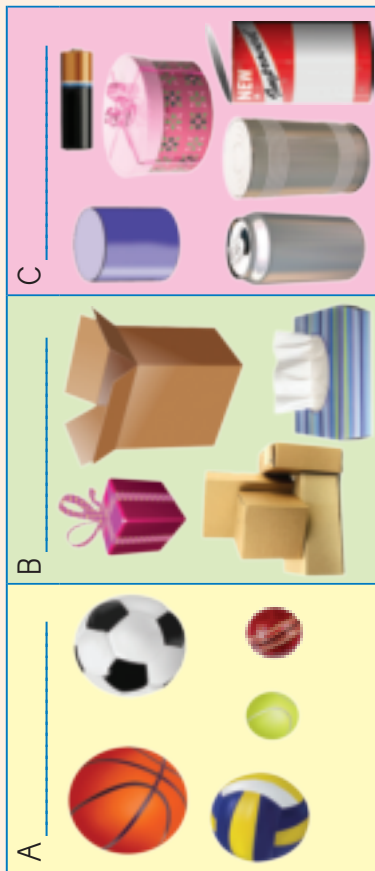




Izinto ezinobujamo be-3D

Qala iintombe ezilandelako.

Najisiphi isiqhema esiTjengisa iimbhola, amasilinda kanye nesitjengisa amabhoksi.



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 okugobeneko.

Ezinye izinto ezimamaqa zinelingaphandle elisipara kwaphela.

Ezinye zinelingaphandle eligobeneko.

Isilinda inamahlangothi amabili asipara nelilodwa eligobeneko.	Ikhowunu inehlangothi elilodwa elisipara nelilodwa eligobeneko.	Isifuyere sigobene mahlangothi woke.



Ukugedeka.

Qabanga ngesilinda, ikhowunu nanyana isifeyere singagedeka njani.

Kilezi izinto ezintathu, ngikuphi:

a. Engekhe kwagedekela kude?	
b. Ekungagedeka kwaphela nakusemudeni onqophileko?	
c. Ekungagedekela nanyana ngakuliphi ihlangothi?	

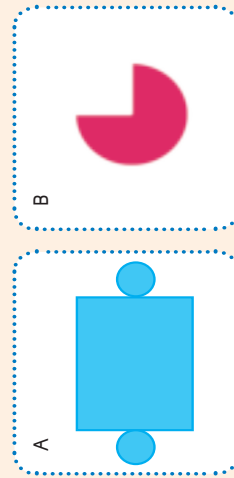


Iyini inede?

Ibumbeko elisipara lingabhinceka ukwenza isithombe esiqinileko esaziwa ngenede.

Tlola iledere lenede ongayibhinceka ukwenza ikhowunu. _____

Tlola iledere lenede ongayibhinceka ukwenza isilinda. _____



Amanye amacezu

Yitjho amacezu.

Tlola amacezu weenthombe 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.

a. USizwe unamacezu amane wejkhokoleli. Uphe umngani wakhe icezu elilodwa.

Yena usele ngaliphi icezu letjkhokoleli? _____

b. UYasmin unama-orentji amabili. Wabelana no-Ann ama-orentji.

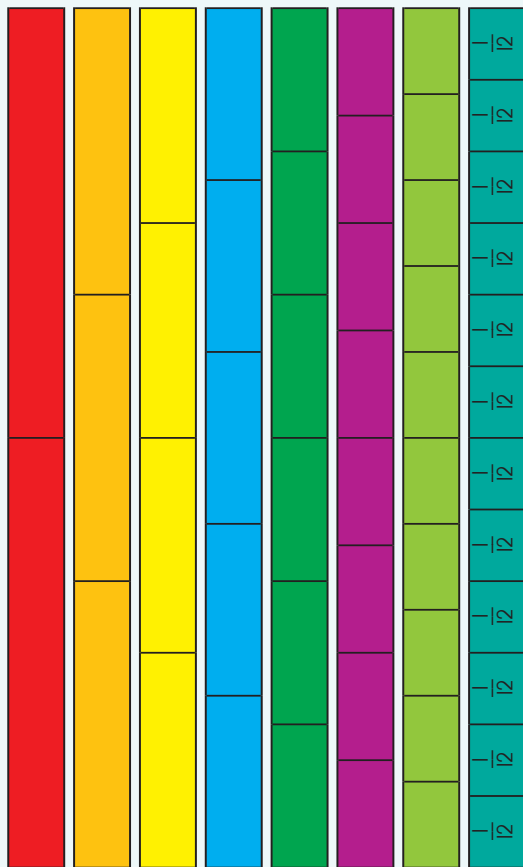
Usele ngaliphi icezu? _____

c. UMaria uthenga iintina zamatjkhokoleli ezi-5. Yena uthatha isitina esisodwa, upha uMohamed iintina ezi-2, bese anikele umnkwabo iintina ezi-2. UMaria yena usele ngaliphi icezu? _____

Ilango:



Umthangala wamacezu.

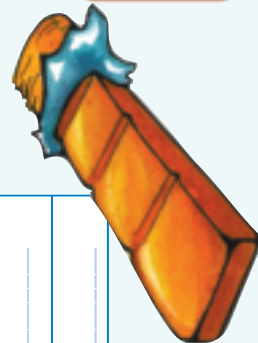


Umuda omunye nomunye wehlukaniwe ngeengcenywe ezingandko. Umuda ongenzasi wehlukaniwe eengcenyeni zetjhum nambili. Leyjibula eminye imida ngecezu elifaneleko. Sebenzisa irula yakhho nanyana umphepho wephepha onqophileko ukufunxana kobana ngimaphi amacezu dlingandko, nokusiza kobana uphendule imibuzo elandelelako:

Ukusuka emthangaleni wecezu, funxana zoke ezinye iindlela ukwenza:

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

Qalasisal
Madanisaal
Lungisa!



Teacher:
Sign: _____
Date: _____

Okhanye ukubuthelela nokwaba

Ukubalisisa okurhabako.

Qalisa ukuthintanisa.

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

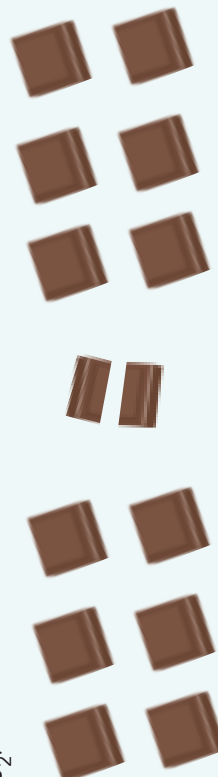


Yaba lokho okuseleko.

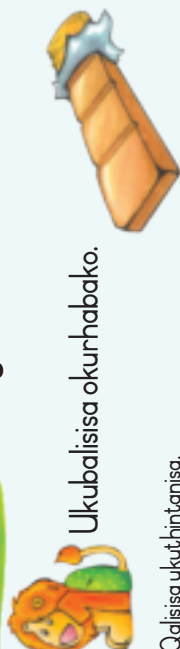
UJabu nolebo bafuna ukwabelana iinqetjhana ezili-13 zetjhokoleli. Omunye nomunye uzokufunyana iinqetjhana ezingaki?



Bangabelana kwaphela iinqetjhana ezili-12 eziziinkwere, omunye nomunye ufunyana ezisithandathu. Isiqetjhana esiseleko basihlephula phakathi. Okutjho kabana omunye nomunye uneenqetjhana ezisi-6 $\frac{1}{2}$.



Ilanga:



Omunye nomunye umntwana ufunyana imitletlana yamaswidi _____

c. Yabela abentwana aba-5 imitletlana yamaswidi ema-4,8.

Omunye nomunye umntwana ufunyana imitletlana yamaswidi _____

d. Yabela abentwana abali-10 imitletlana yamaswidi ema-7,3

Omunye nomunye umntwana ufunyana imitletlana yamaswidi _____



Amacezu wamathangramu

Ithangramu liphazeli yikade yabantu beChina eyakhiwe ngamajamo ali-7 asipara, abizwa ngamathani. Woke angabekwa ndawonye ukwakha amigamo ahlukeneke.

Amacezu wamathangramu.

	Qalalisa iphazeli lethangramu. Aboncantathu ababili abakhulu bamacezu maphi wesikwere esipheleleko? (Umbala opinki esithombeni.)	_____
	Nangabe ubhincane omunye waboncantathu abakhulu abe zingcinye ezimbili ezilinganako, isiqetjhana esinye nesinye sibukhulu obulingana nebaboncantathu abaphakathi ngobukhulu. (Isithombe esisaulani.) Isikwere esipheleleko silicezu bani lakancantathu olingalingeneko.	_____
	Nangabe ubhincane uncantathu ophakathi ngobukhulu ube zingcinye 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 sasibhakabhaka esithombeni)?	_____
	Ungabeka aboncantathu ababili abancani ndawonye ukwakha ipharadelelogramu. Ipharadelelogramu ilicezu liphi lesikwere esipheleleko?	_____

Ukusebenzisa ithangramu.

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

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

Umdlalo wokwabelana ngamacezu ngokulingana.

Dlala nabadlali aba-4, ukuqala kababu-8 abadlali basebenzisa iinqetjhana zethangramu.

1. Abadlali bayadlalelana ukuba barhwebi.
2. Umrhwebi uqunta kobana lizezu bani lethangramu epheleleko umdlali ekumele alibekwe ngekasaneni.
3. Umdlali ngamunye uyafunisela kobana imali ejisimbi izokuwa iyihloko nanyana insila, bese umrhwebi uphosa imali yesimbi.
4. Umrhwebi-ke waba okungekasaneni ngokulingana abele labo abafunisele ngokweqiniso. (Kumele athengise esinye nanyana ezinye zeenqetjhana ukuze afunyanise iinqetjhana ezinobungako obulinganako.)
5. Isalela enye nenge engekhe yakghona ukwabeka isala ngekasaneni ukuze izokusetjenziswa ngedlhedho elilandelako.
6. Boke abadlali bayaqalalisa kobana ukwabelana kwenziwe ngendlela ekungiyiyo.
7. Umdlali nange kwenzeka afunyanise iphoso, umrhwebi ubhadela ihlawulo yenani $\frac{1}{8}$ lesikwere esipheleleko emdlalini wokuthoma ofunyanise iphoso leyo.
8. Umdlali onganazo iinqetjhana, angathathela lezo ezisele ngekasaneni.
9. Umdlalo uragela phambili bekufike lapha omunye nomunye umdlali abarhwebi khona.

Omunye nomunye kumele abeke ikota yinye yesede yethangramu ngekasaneni.

$\frac{1}{4}$

Ngizokufaka uncantathu ogedwa omkhulu.

Iingcinye ezimbili zokubunane zilingana nokukodwa kwesine. ngagafika isikwere kanye nepharadelelogramu.



Ukumeda umthamo



Ithemu 4

Sebenzisa iimathathi zamabhodlelo wamaplastiki kanye nekomiki.

Zinkomiki ezingaki ezingazalisa isinumathi?

Ikomiki (250 ml)



Awukameli ukuthi amalitha nanyana amanamilita, sebenzisa kwaphela ikomiki kanye nebhodlelo.

Isinumathi selitha eyodwa

Meda ilitha.



Funyana indlela yokwenza ilitha usebenzisa itilelezi elihlukileko.

Tlola umutjho weenomboro wendlela enye nanye.

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



Umutjho weenomboro = 1000 ml (l)

Umutjho weenomboro = 1000 ml (l)

Umutjho weenomboro = 1000 ml (l)

Umutjho weenomboro = 1000 ml (l)

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

Iyini ivolumu yekomiki enye nanye ezeleko?



Ikhezo lizalisa ikomiki bekufike etshwayweni lesilinganiso sokuthoma.



Simeda inani elincane letilelezi ngamamilita (ml).

Ikomikana emeda isihlahla le inumatsha 10 ml, pheze okumakhezo wetiye amabili.

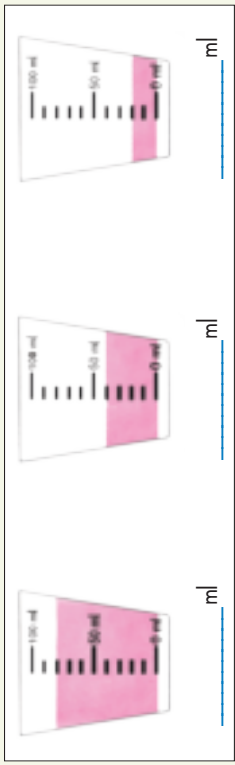
Simeda inani elikhulu ngamamilita (l).

Elitheni eyodwa kunamamilita ayikulangwana.



Litlelezi elingangani?

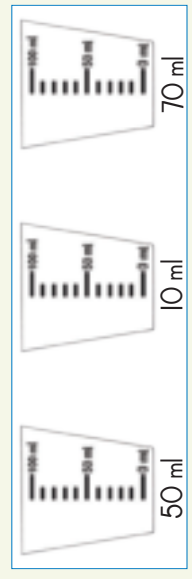
Ngejegeni kunama- ml angangani wetilelezi?



Litlelezi elingangani?



Fiphaza amakomiki wesihlahla ukutjengisa inani lesihlahla ekomikini ngajinye.



Teacher: _____
Sign: _____
Date: _____

Ukumeda nokuthela

Emdlalweni.

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

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

Amdlitha kanye namamilimitha (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 amdlitha ama-4 webisi hlanguka:

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

Ilanga:

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 amajenge ama-5 wejuzi.

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

Kwenza ilitha eyodwa.

--	--	--	--	--

Zingaki iimathathi, esinye nesinye ukwenza ilitha?

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

Ngemva kwephathi.

Iphathi yakaThandi idlulile. Kodwana kuneenselo ezisaseleko.

Kusele ijuzi esarulani engangani? _____

Kusele ijuzi ephaphuli engangani? _____

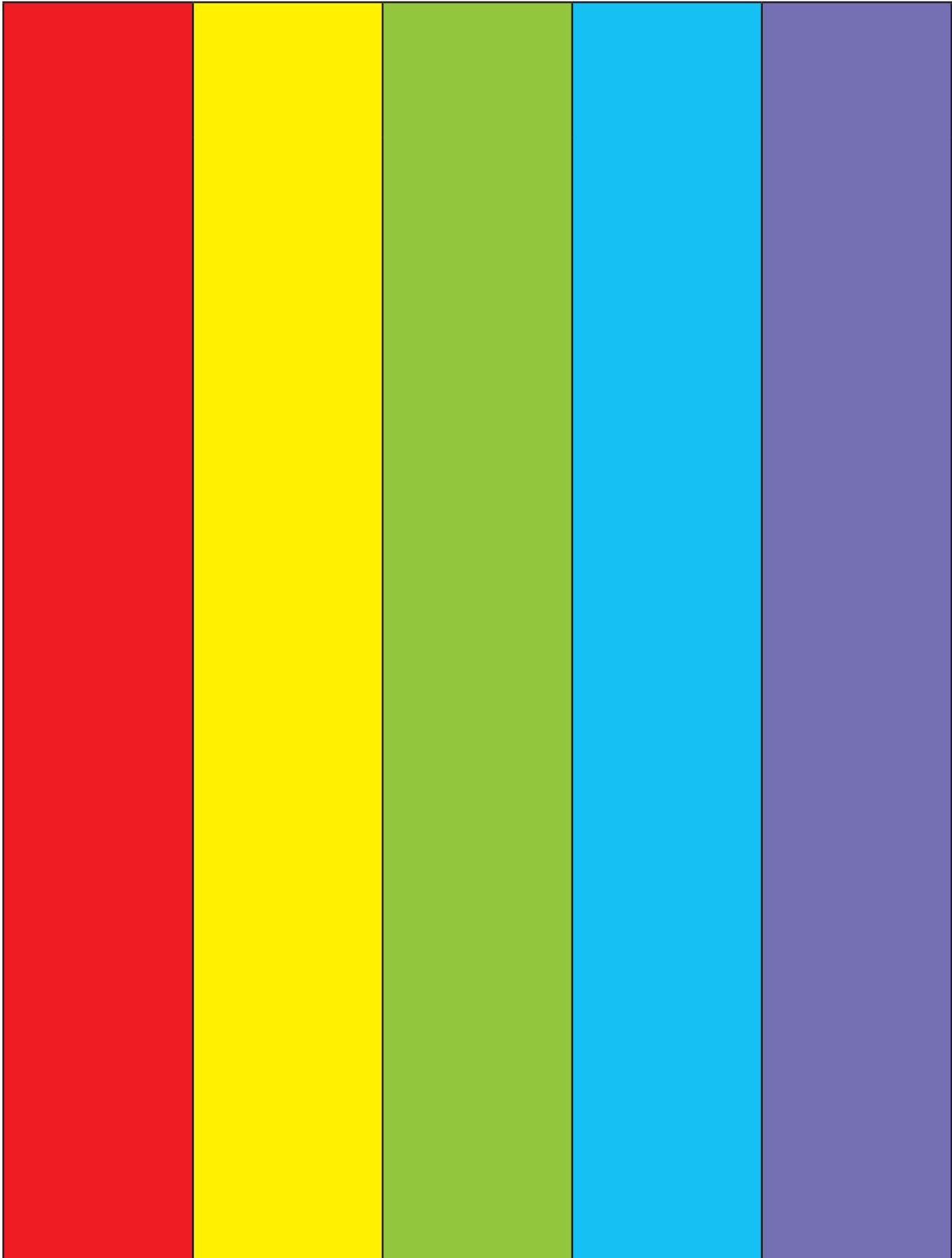
UThandi uhlanganisa imihlobo embili yamajuzi ndawonye.

Uzokuzalisa amajenge amangaki? _____

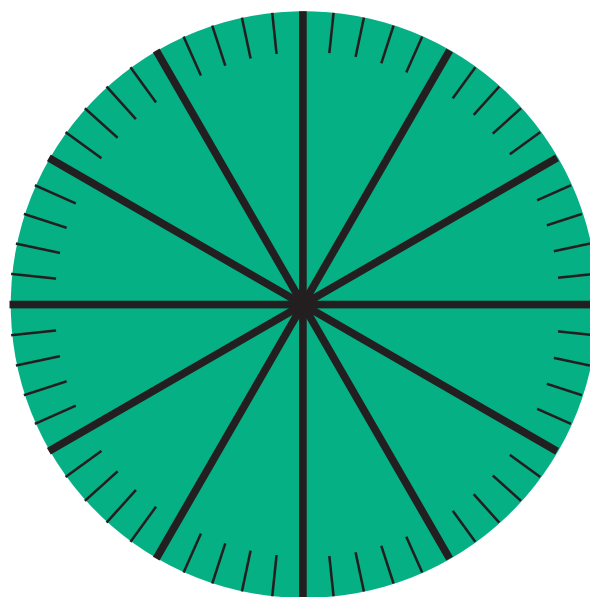
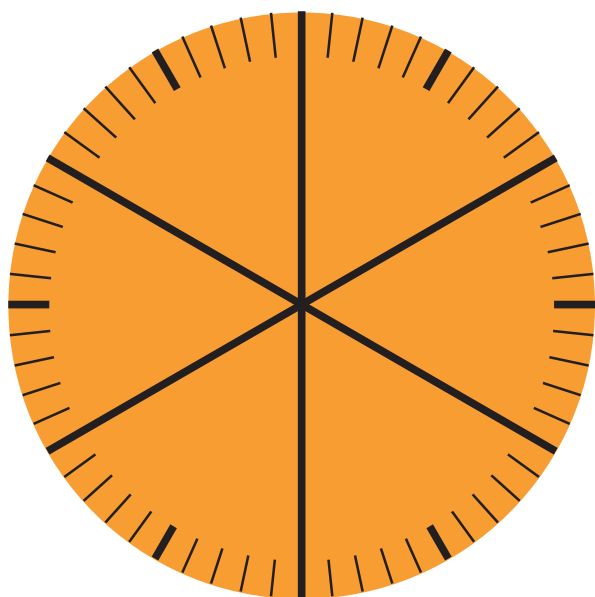
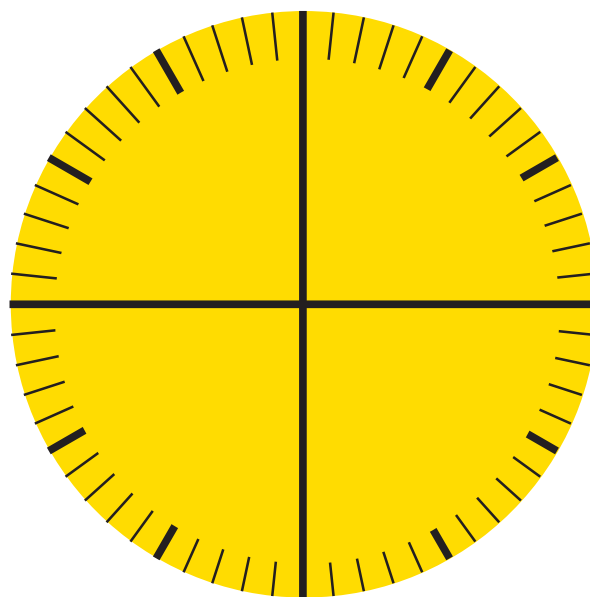
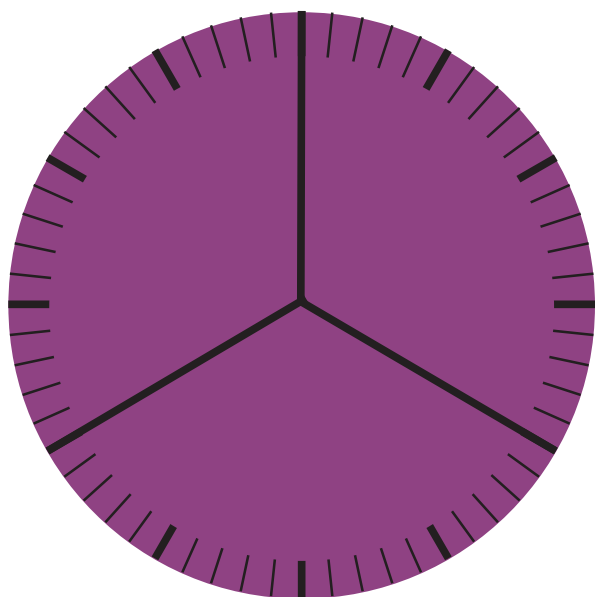
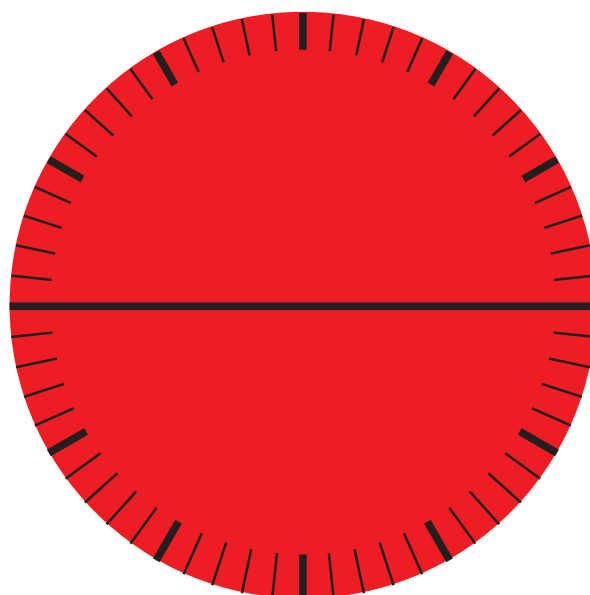
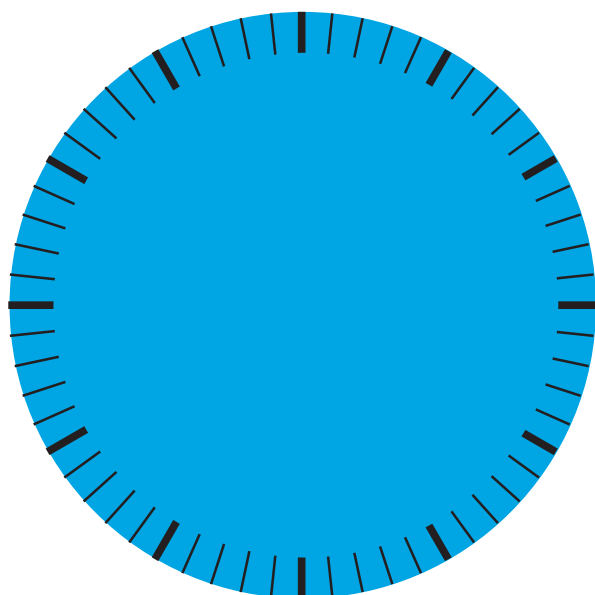
Qalisa!
Mdanisa!
Lungisa!



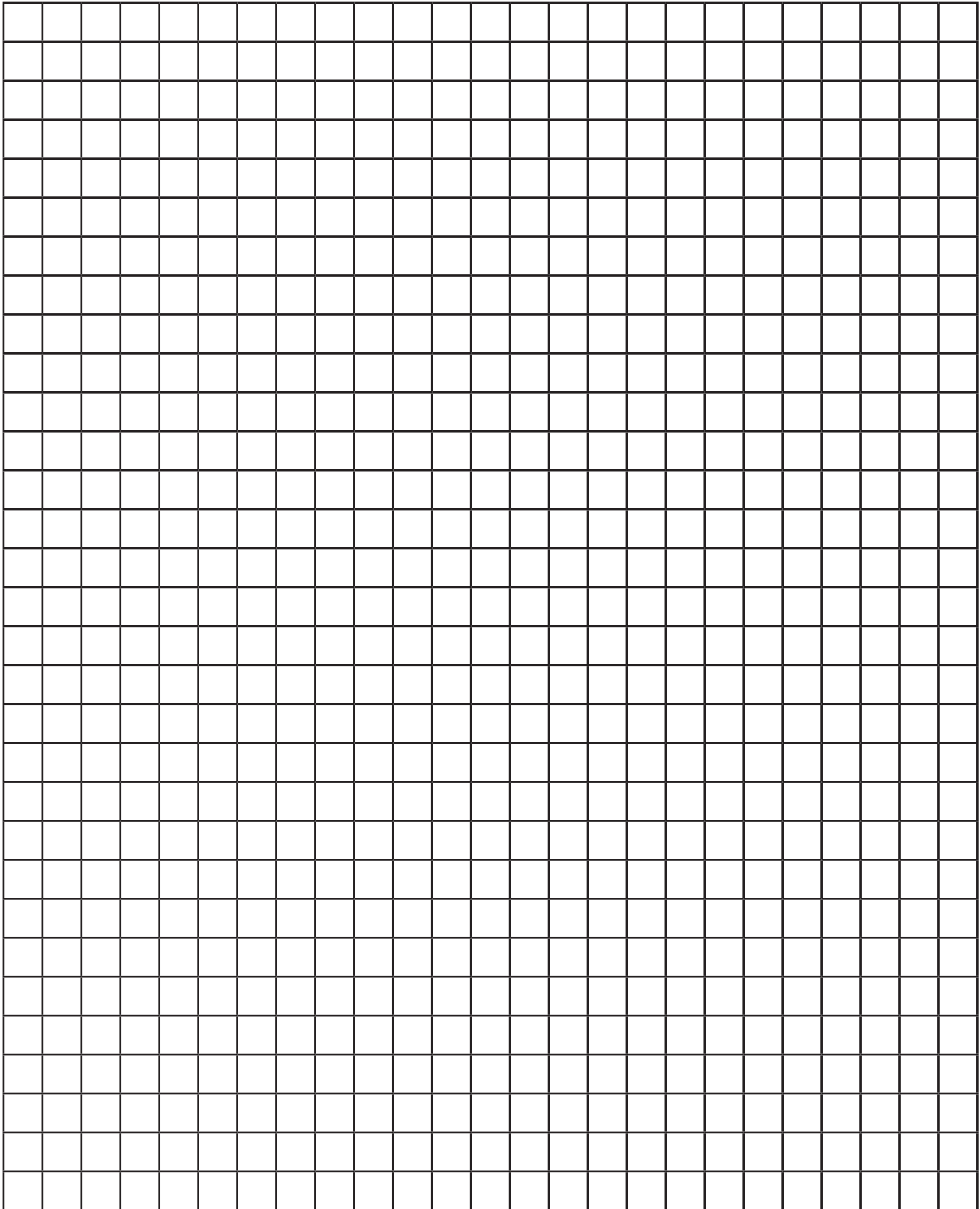
AboSika 5



AboSika 6



AboSika 7



AboSika 8

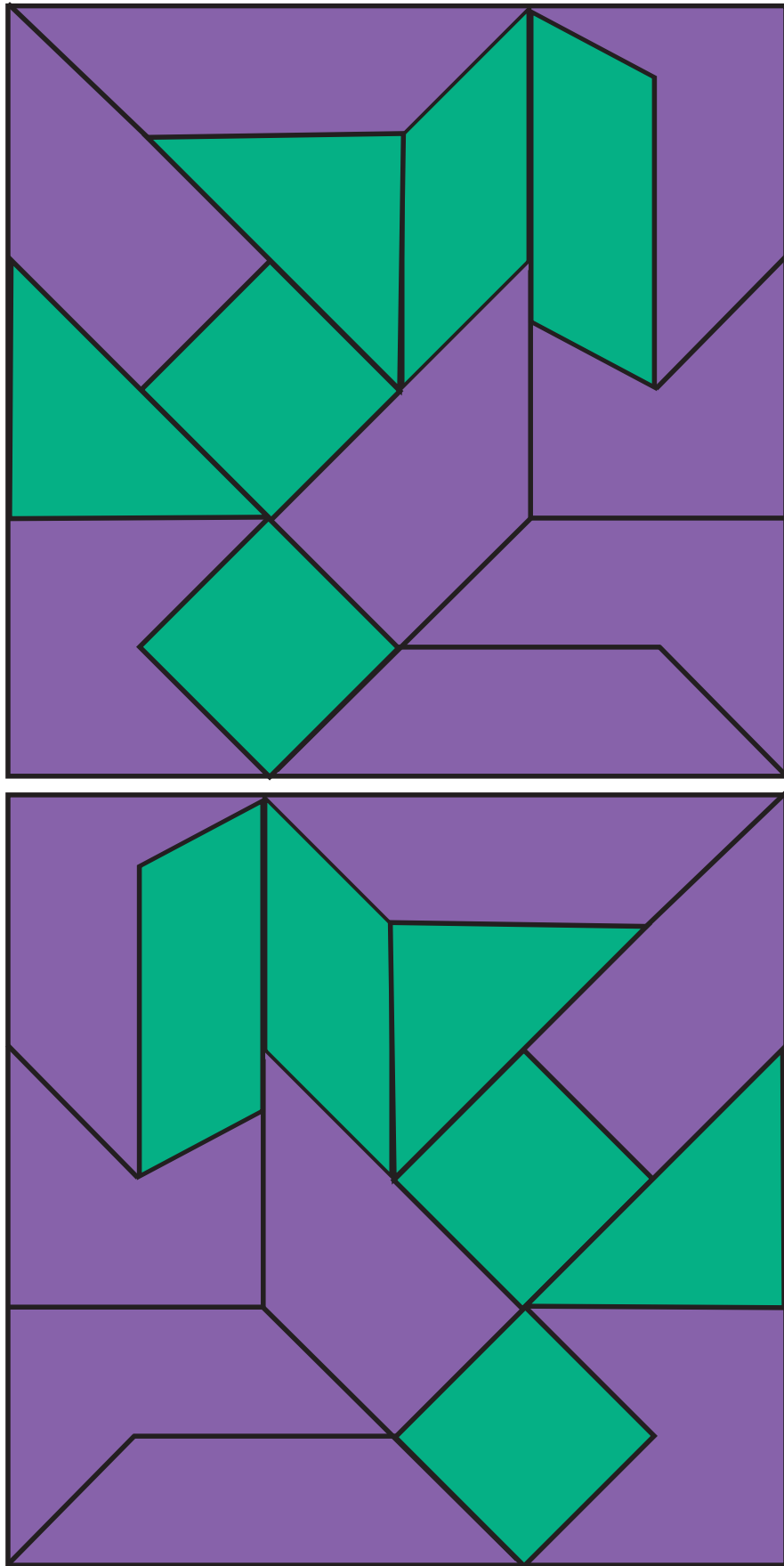
lc	
IOc	
RI _s	
RIO _s	
RIOO _s	

AboSika 9

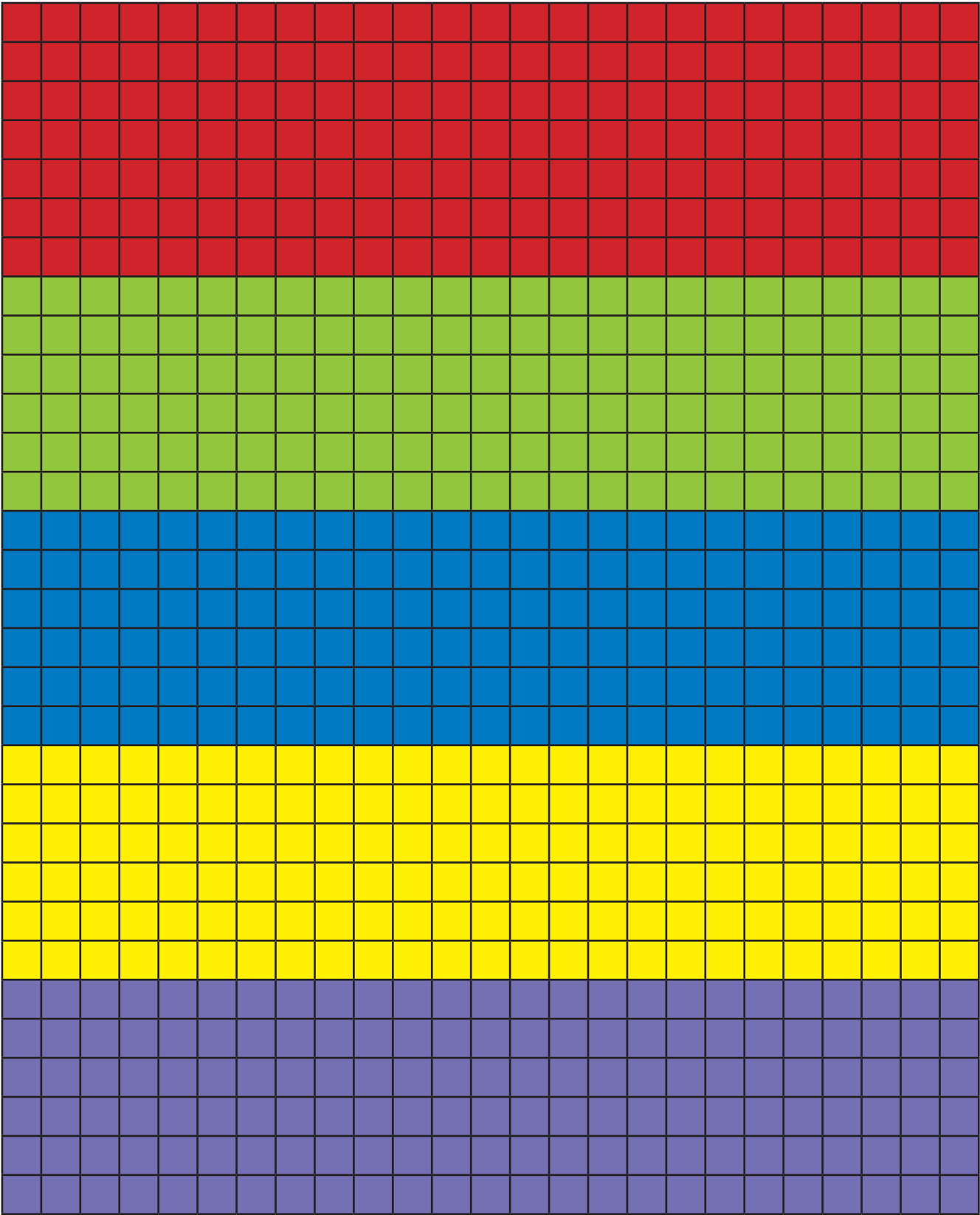
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO

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

