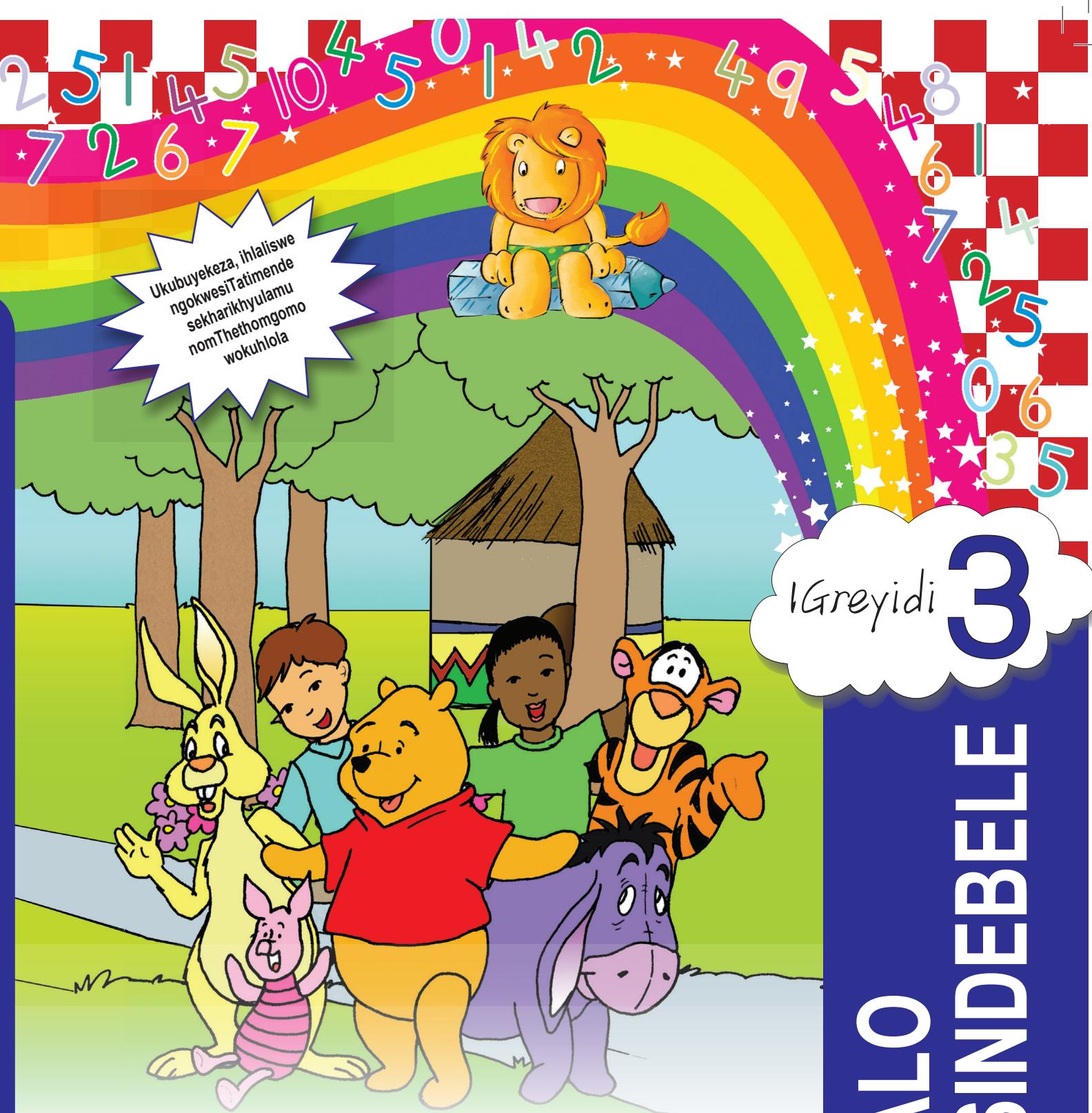


iGreyidi 3

IMBALO NGESINDEBELE

Incwadi 2
Ithemu
3 & 4



IIMBALO NGESINDEBELE – iGreyidi 3 Incwadi 2

ISBN 978-1-4315-0151-9



basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

Ibizo:

Itlasi:

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 ukusivikelka soke thina kanye nabentwana bethu ngomuso.

Kuqakathekile ukwazi izehlakalo zesikhathini esidlulileko.	Asingabuyeeli iiimphosozangesikhathiesidlulileko.	UMthethosisekelo usisiza ukucabanga nokwakha ilingomuso elingcono lethu soke.
---	--	--

Thina, abantu beSewula Afrika;
Siyakwazi ukungaphathei kuhle kwethu ngokomthetho esikhathini esadlulako;
Siphathela phezulu abahlukunyezwa ngebunga lokobana kube nobulungiswa begodu nekululeko enarheni yekhethu;
Sihlonipha labo abasebenze ekwakheni begodu nekuthuthukiseni iphasi lekhethu;
begodu bakholelwa bonyana iSewula Afrika ngeyabo boke abahlala kiyo, sibambene ngokwahluhluhlu kawethu.
Ngalokho-ke, ngabajamel i bethu abakhethwe ngokukhululekileko; samukela uMthetho-sisekelo lo njengoMthetho wokuthoma weRiphabliki oza—
Kuqeda ukwahluhlu kana okwadlulako begodu sakhe umphakathi ozokudzimelela kuminqopho yentando yenengi, ubulungiswa begodu namalungelo wangokomthetho wobuntu.
Ukubeka isisekelo sentando yenengi begodu nomphakathi onzinzileko lapha umbuso unzinze khona phezu kwentando yesitjhaba begodu nalapha zoke izakhamuzi zivikeleke khona ngokomthetho.
Ukwenza ngcono izingi lepilo yazo zoke izakhamuzi begodu nokuvezwa kwekhono lawo woke umuntu;
Ukwakha iSewula Afrika ebumbeneko begodu nenentando yenengi ezokwazi ukuthatha indawo yayo njengenarha ezi jameleko emndenini weentjhatabjhaba.

Funa ngekani amalungelo wakho njengesakhamuzi seSewula Afrika bewube nesibopho sokuvikela amalungelo wabanye abantu.	Ukwazi umThethomlingwa wamalungelo Kanye nomThethomlingwa weembopho.
---	---

UZimu akavikele abantu bekhetu.
Nkosi Sikele' iAfrika. Morena boloka setjhaba sa heso.
God seen Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

1 2 3 4

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MATHEMATICS IN ISINDEBELE

GRADE 3 – BOOK 2

TERMS 3 & 4

ISBN 978-1-4315-0151-9

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11th Edition

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UKkz. Angie Motshekga,
nguNqgonqgotjhe
weFundu-Sisekelo



Dorh. Reginah Mhaule,
nguSekela
kaNqgonqgotjhe
weFundu-Sisekelo

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

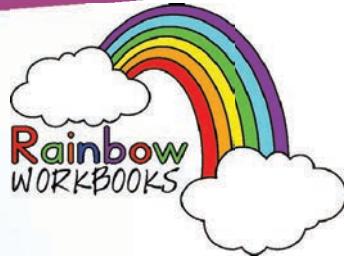
Iincwadi zokuSebenzela zakwaRainbow ziyingceny yeendlela ezinengi zomNyango wezeFundu-Sisekelo wokungelela onqophu ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili, iphrojekthi le isekelwe ngeemali ezibuya esiKhwameni 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 iharikhylamu.

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

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

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

iGreyidi 3



i m b a l o

A series of six colorful, tilted rectangular boxes spelling out the word "imbalo". The boxes are orange, red, blue, yellow, green, purple, and orange again, each containing one letter of the word.

Incwadi le ngeyaka -:



ISINDEBELE

Incwadi

2

65

Iinomboro

Ilanga:

ukusuka ku-500 ukufika ku-600

Ithemu 3

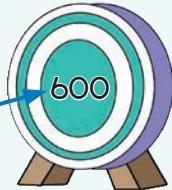


Bala bewutlole.

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

Phimisa iinomboro nawulokhu uzibala.

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

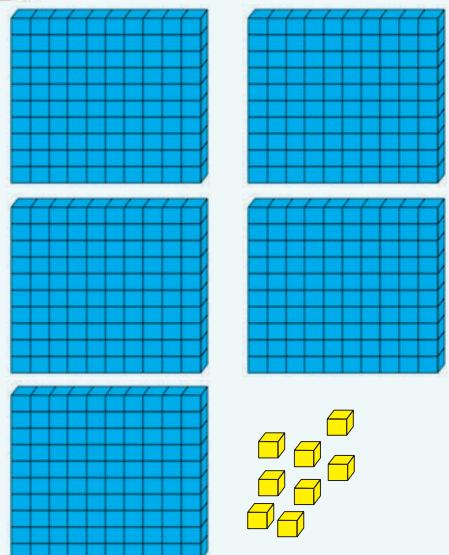
f. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-5.

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

1 2 3 4 5 6 7 8 9 10



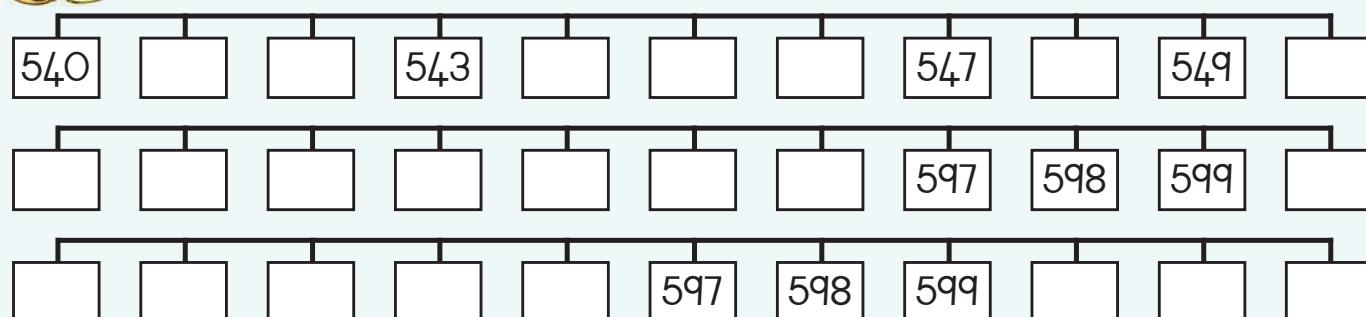
Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.



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:

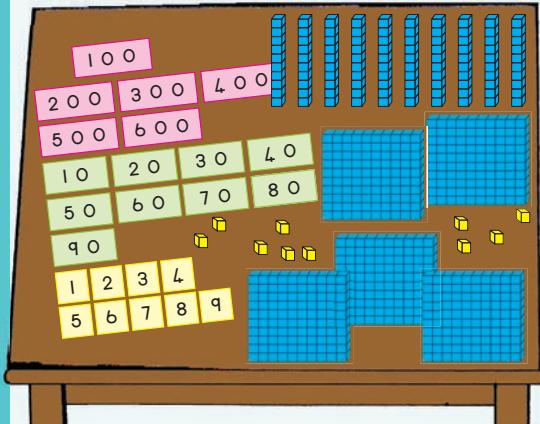
11 12 13 14 15 16 17 18 19 20

66

Ezinye iinomboro ezisuka ku-500 zifike ku-600

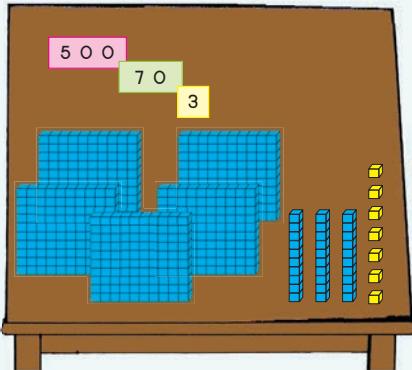
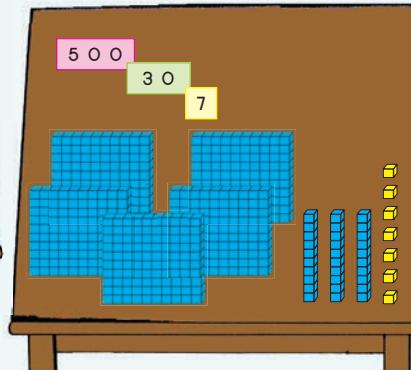
Ilanga:

Ithemu 3



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

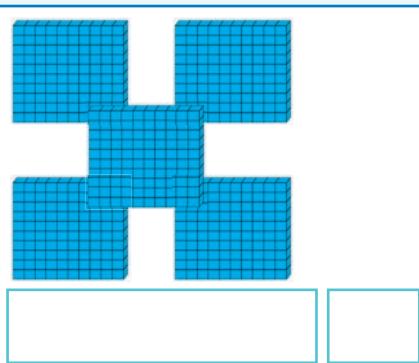
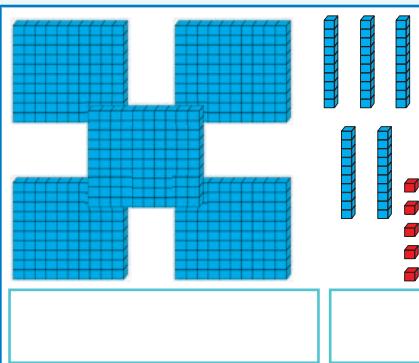
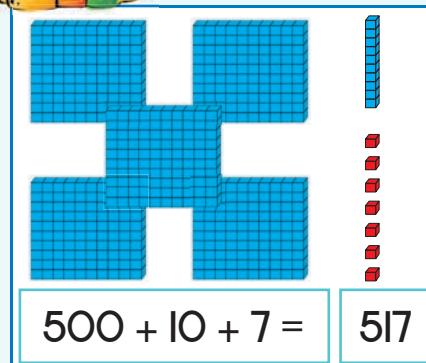
U-Aakar utjengise lokhu.
Ngikuphi okungakalungi
akwenzileko?



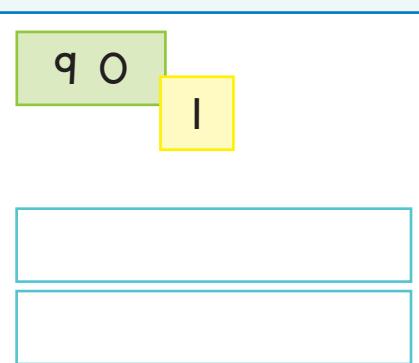
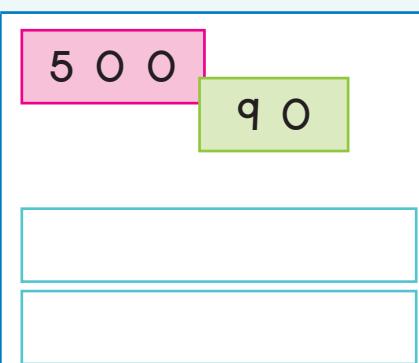
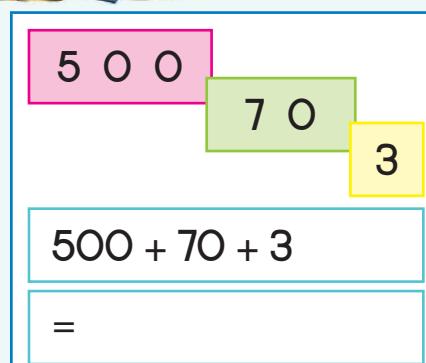
UPeter unamakarada anobukhulu
bedijidi kanye nesisekelo setjhumi
lamabhlogo.



Tlola umutjho weenomboro bese utlola nependulo.



Tlola umutjho weenomboro bese utlola nependulo.





Qedelela inambalayini.

550	551	552	<input type="text"/>	560					
-----	-----	-----	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	-----

Tlola zoke iinomboro ezincani kunenomboro 556 _____

Tlola zoke iinomboro ezikulu kunenomboro 556 _____



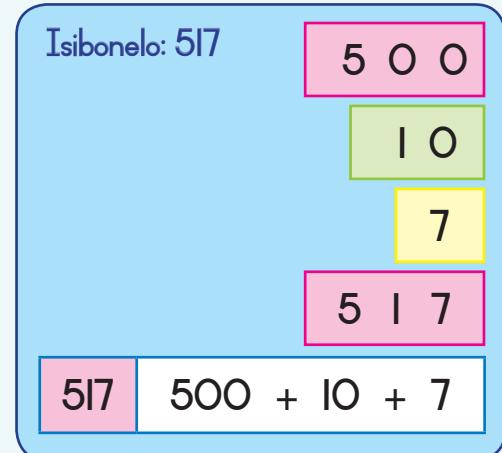
Yehlukanisa inomboro yakho.

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

Ngemva kwalapho wehlukanise iinomboro zakho.

495	
508	
594	
549	
602	

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



Tlola amabizo weenomboro.

221	
486	
369	
419	
491	



11 12 13 14 15 16 17 18 19 20

67

Iinomboro ukusuka

ku-600 ukufika ku-700

Ilanga:

Ithemu 3

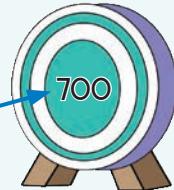


Bala bewutlole.

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

Phimisa iinomboro nawulokhu uzibala.

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



b. Tlola iinomboro ezitlhayelako egridini engaphezulu.

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

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

d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangakubili.

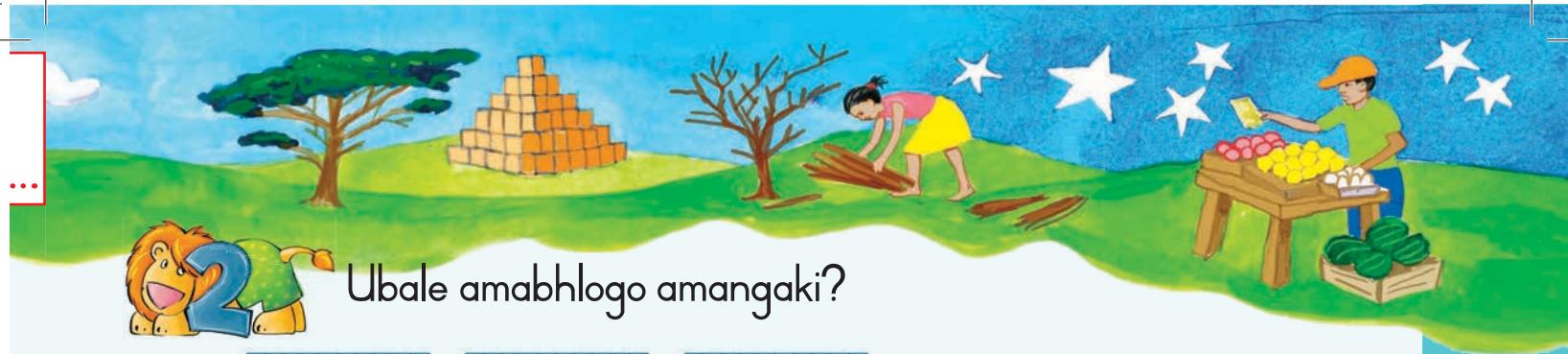
622; 624; 626; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

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

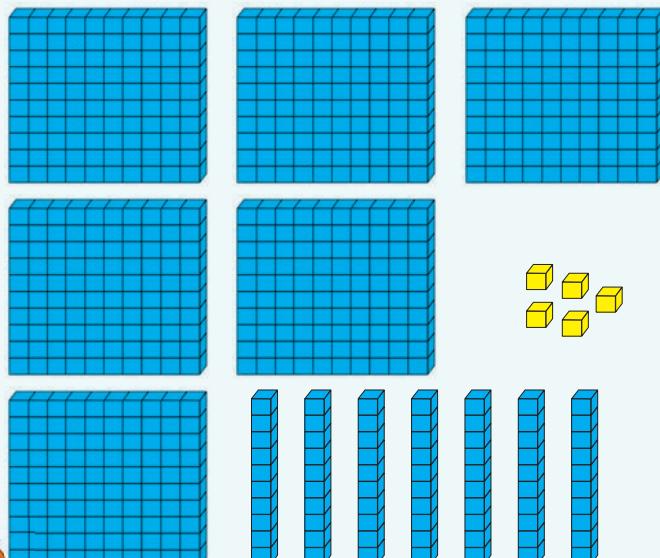
611; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 633

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

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



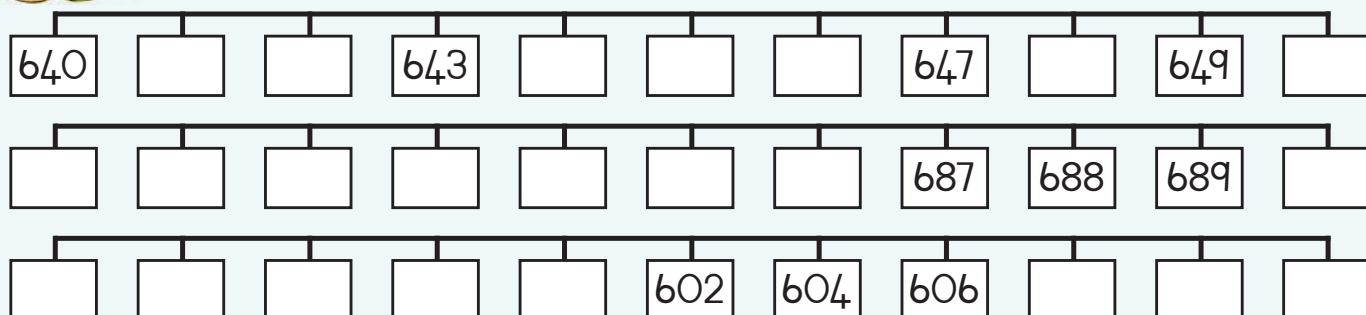
Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.



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

68



Ilanga:

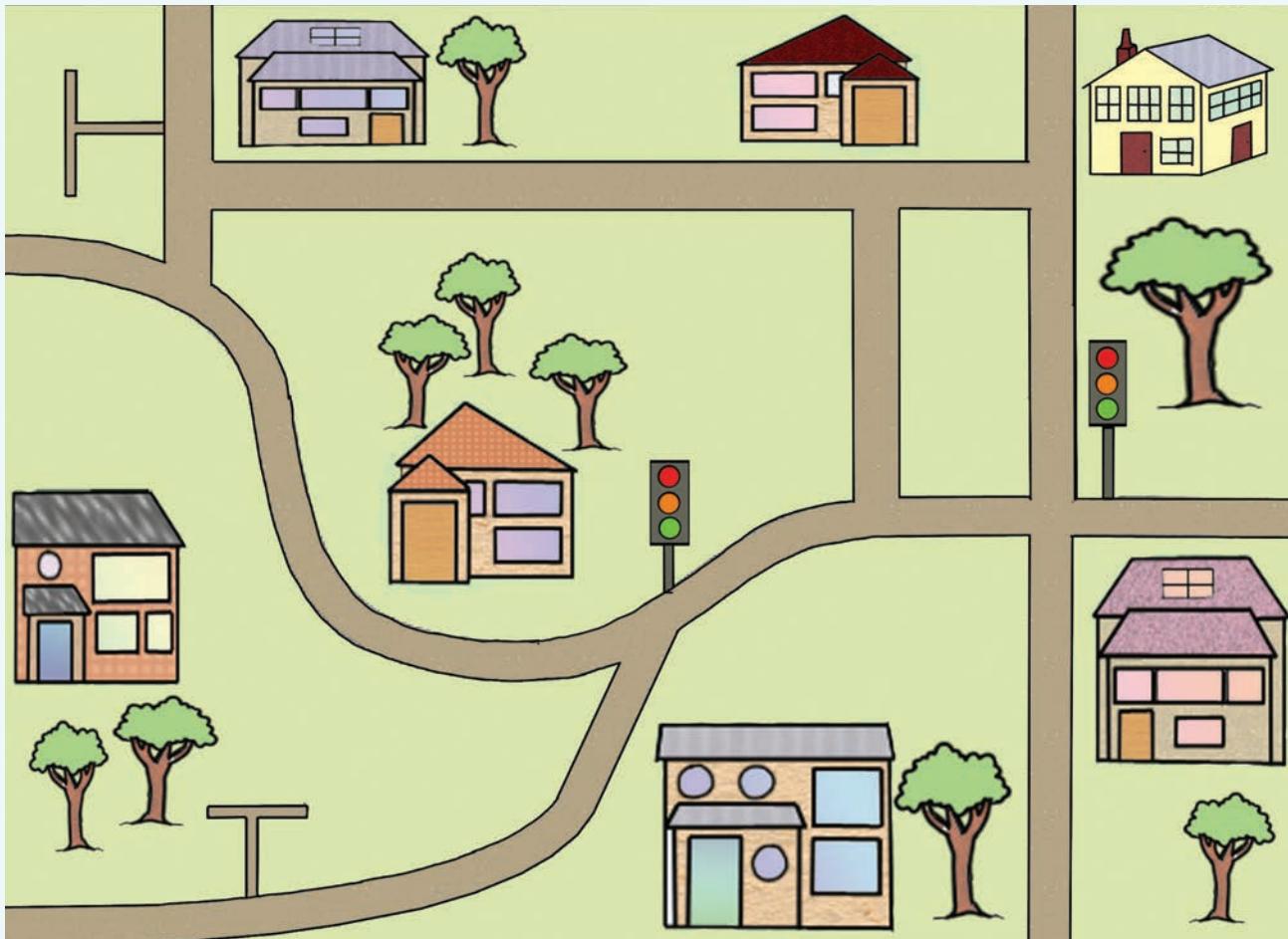
.....

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.

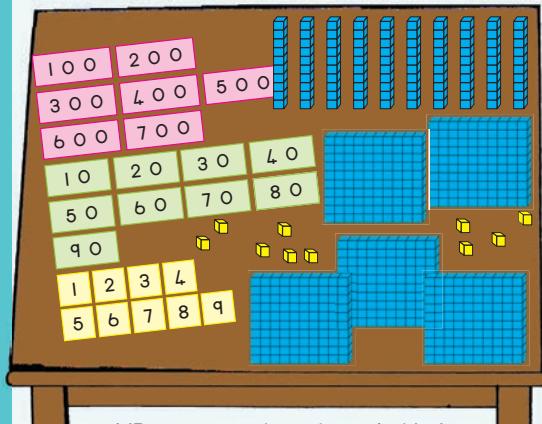


69

Ezinye iinomboro kusuka ku-600 kufika ku-700

Ilanga:

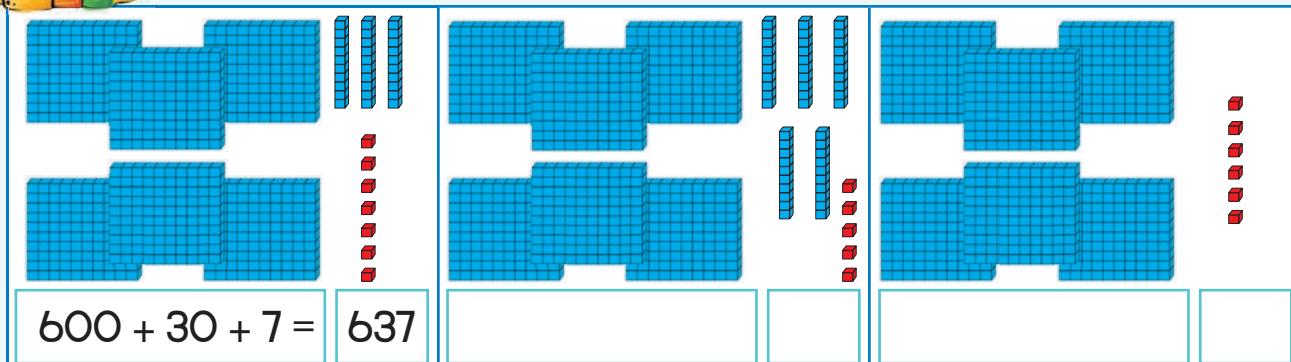
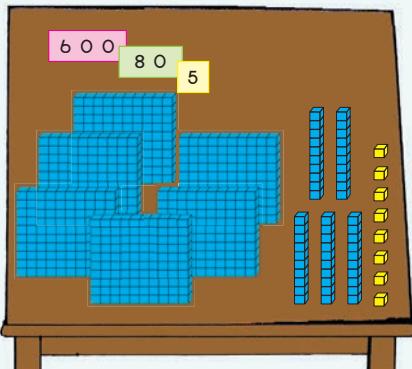
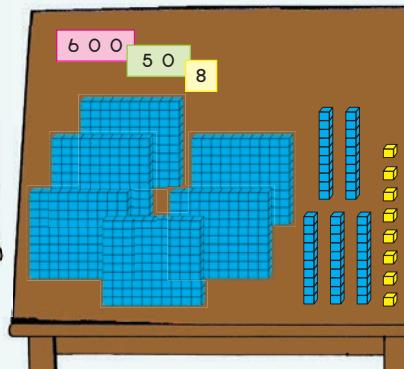
Ithemu 3



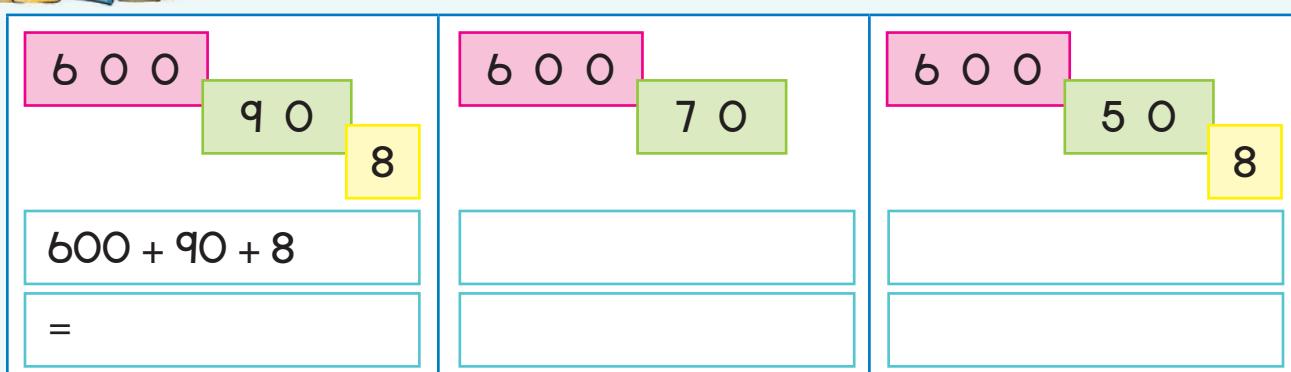
UPeter unamakarada anobukhulu
bedijidi kanye nenomboro sisekelo
yetjhumi lamabhlogo.



Tlola umutjho weenomboro bese utlola ipendulo.



Tlola umutjho weenomboro bese utlola ipendulo.





Qedelela inambalayini.

670	671	672								680
-----	-----	-----	--	--	--	--	--	--	--	-----

Tlola zoke iinomboro ezincani khulu kunenomboro 675 _____.

Tlola iinomboro ezikulu khulu kunenomboro 675 _____.



Qedelela ngetshwayo < nanyana > =

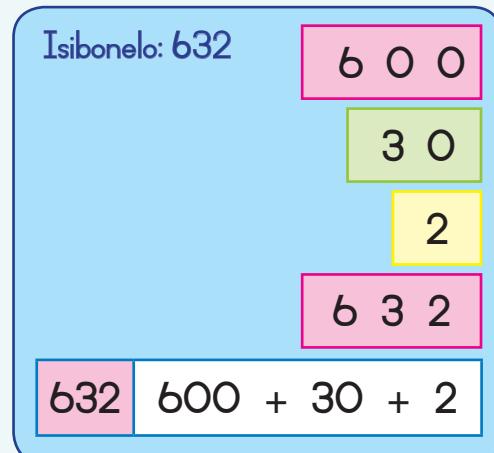
- a. 670 _____ 607 b. 688 _____ 699
 c. $600 + 50 + 5$ _____ 655



Yehlukanisa iinomboro.

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

686	
690	
699	
673	
665	



Tlola amabizo weenomboro.

672	
693	
607	
697	
660	



11 12 13 14 15 16 17 18 19 20

70

Iinomboro kusuka ku-650 kufika ku-750

Ilanga:

Ithemu 3



Bala bewutlole.

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

Phimisa iinomboro nawulokhu uzibala.

650



						657			
661							669		
	683		685						
		703							
			714				727		
		723							
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.

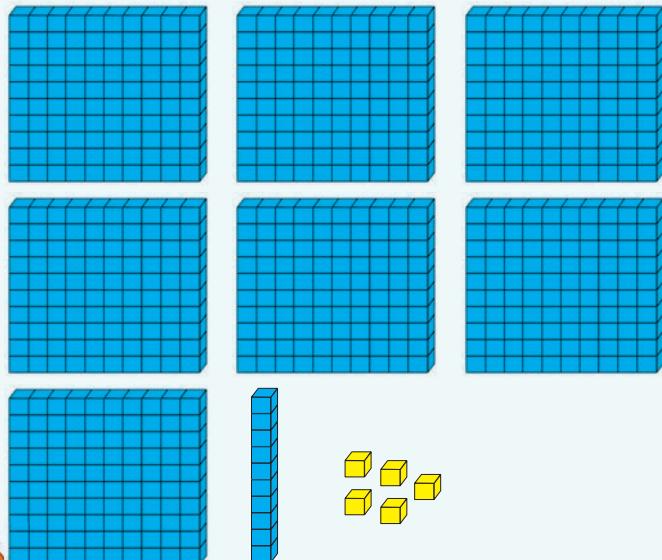
719; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 749

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

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



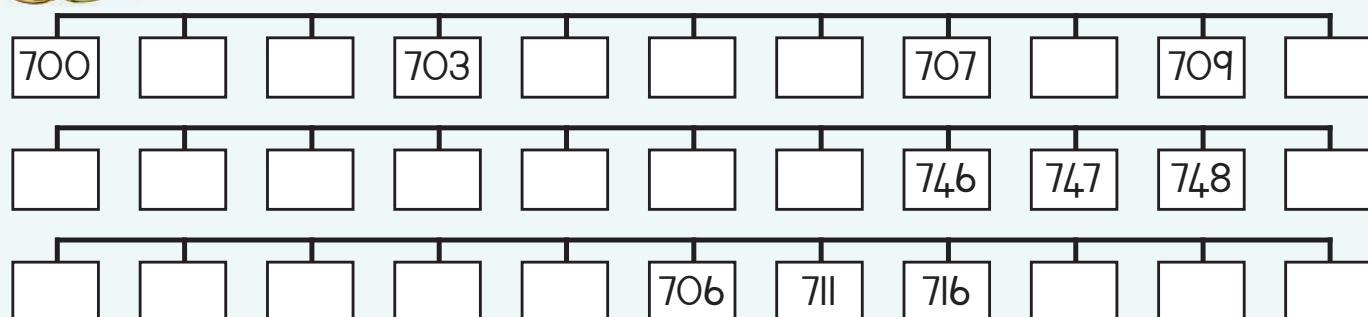
Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.



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

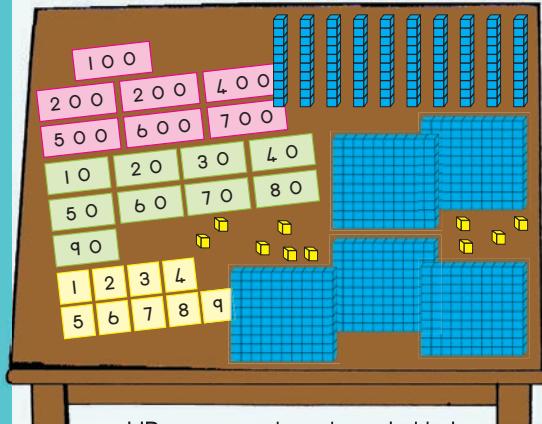
Teacher:
Sign:
Date:

71

Inomboro kusuka ku-700 kufika ku-750

Ilanga:

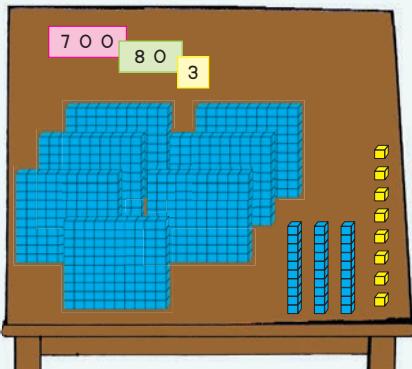
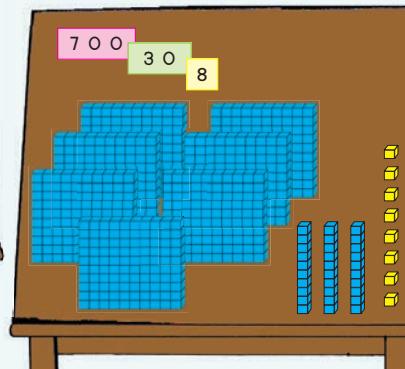
Ithemu 3



UPeter unamakarada anobukhulu bedijidi kanye nenomboro sisekelo yetjhumi lamabhlogo.

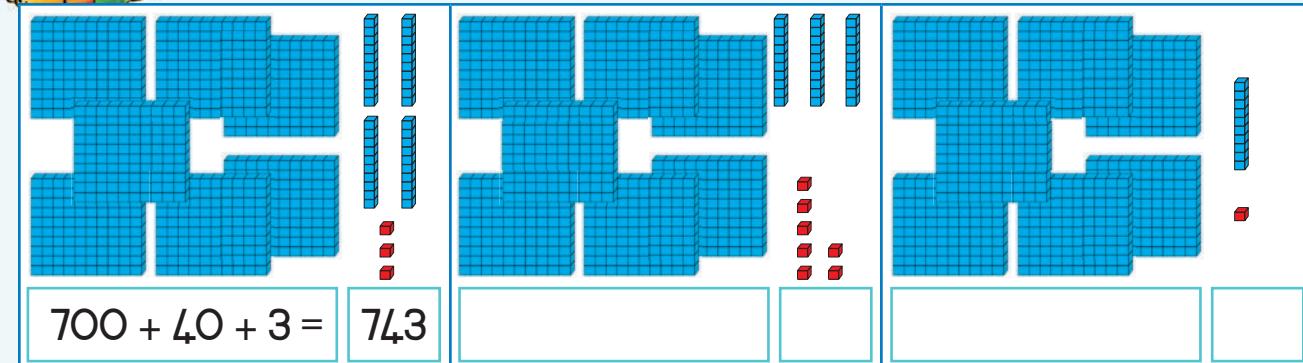


Tlola umutjho weenomboro bese utlola ipendulo.

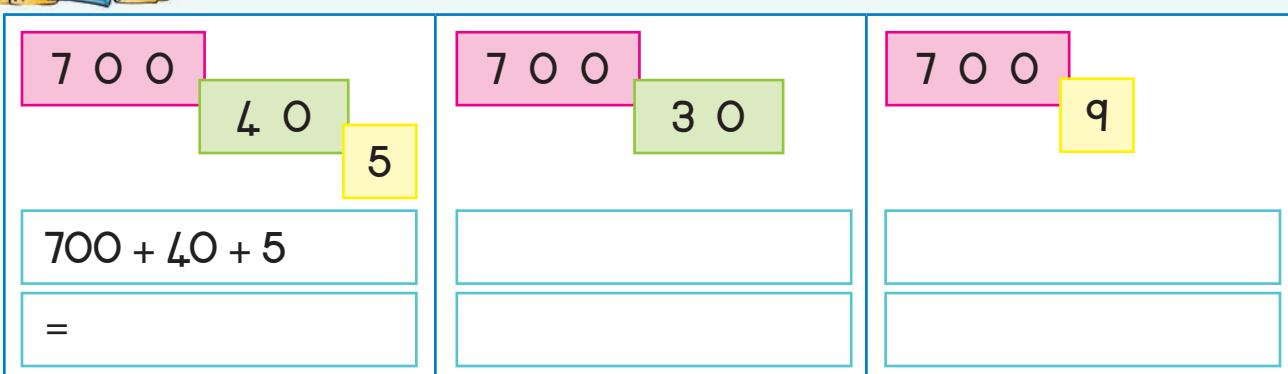


Utitjhere ubawa uPeter kobana atjengise inomboro 738 ngamakarada kanye namabhlogo.

UJabu utjengise lokhu. Ngikuphi okungakalungi akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.





Qedelela inambalayini.

699	700	701	<input type="text"/>	709					
-----	-----	-----	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	-----

Nikela zoke iiomboro ezincani khulu kunenomboro 704. _____

Nikela iiomboro ezikulu khulu kunenomboro 704. _____



Qedelela < nanyana > =

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

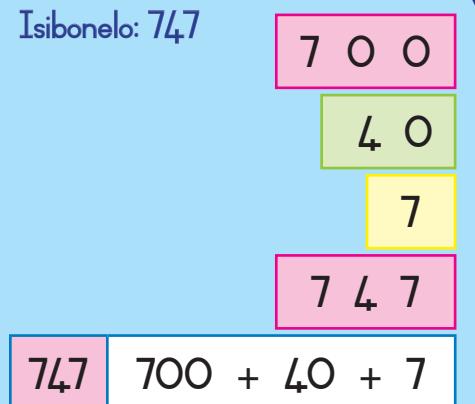


Yehlukanisa inomboro.

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

750	
728	
703	
730	
749	

Isibonelo: 747



Tlola amabizo weenomboro.

714	
750	
742	
738	
704	



11 12 13 14 15 16 17 18 19 20

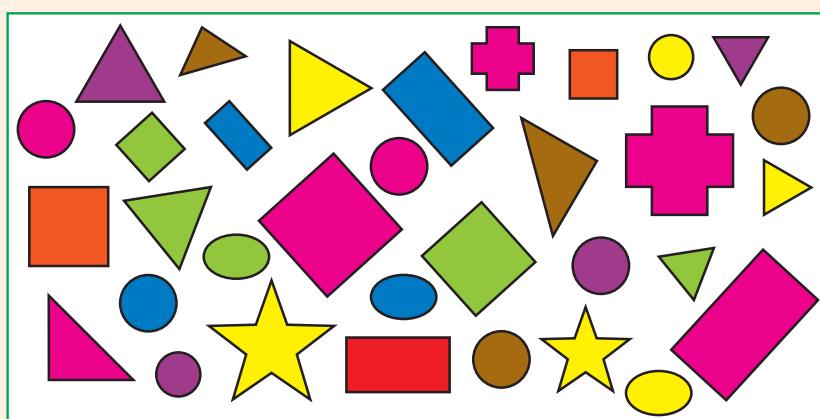
72



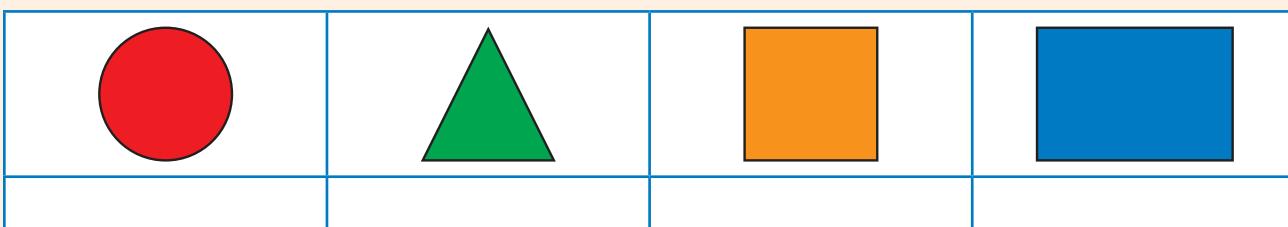
Ilanga:

Ithemu 3

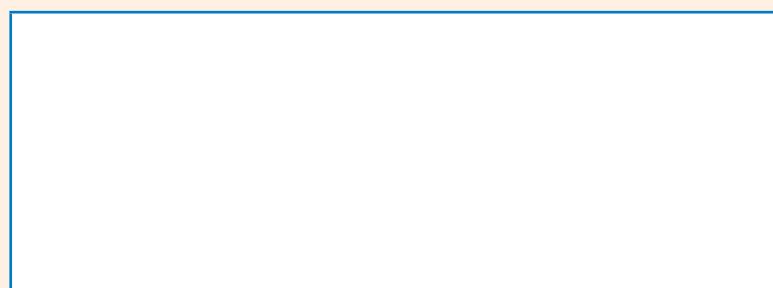
Yitjho nangabe ijamo
linqophile nanyana
linamahlangothi
anqophileko.



Yitjho nangabe ijamo linetlobo enqophileko nanyana
itlobo eyindulunga.



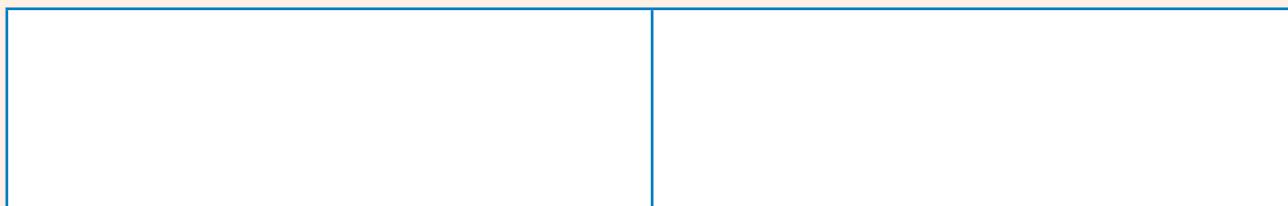
Ungagwala amabumbeko
amangaki ngamawejisi
anqophjileko.



Funyana iinthombe

Funyana amajamo anamatlobo
anqophileko bese uwadlulisa lapha.

Funyana amajamo anamatlobo anqophileko
bese uwadlulisa lapha.





Qedelela okulandelako:

	Gwala ijamo ngeendawo ezihlukeneko
uncantathu	
irekthengela	
isikwere	



Qedelela itheyibula:

Yitjho ijamo	Gwala ijamo elingelincani khulu	Gwala ijamo elingelikhulu khulu



Funyana iinkwere, aboncantathu, amarekthengela kanye neeyingi/neendulunga zobukhulu obahlukeneko kibomegazini nanyana emaphephahugwini.

Zibeke lapha.



73



Ilanga:

Ithemu 3



Tlola iledere lenede ongayibhinca ukwenza isilinda

Ngingathenga ini ngemali ema-R500?

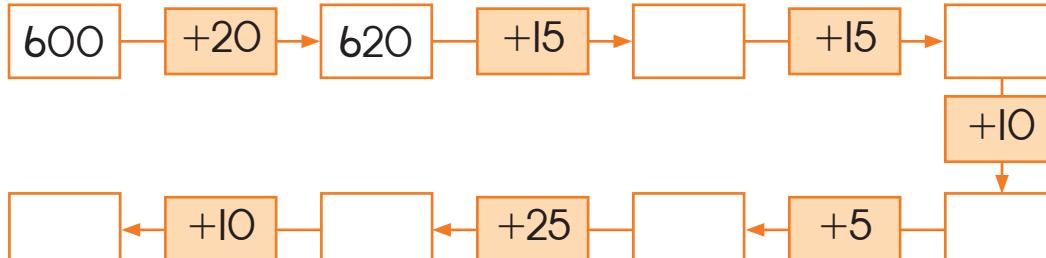
Ngiziphi izinto kilezi
engingazithenga ngemali
ema-R500 patsi?



Hlanganisa uye phambili kusuka ku-600.

Tlola iinomboro ezitlhayelako.

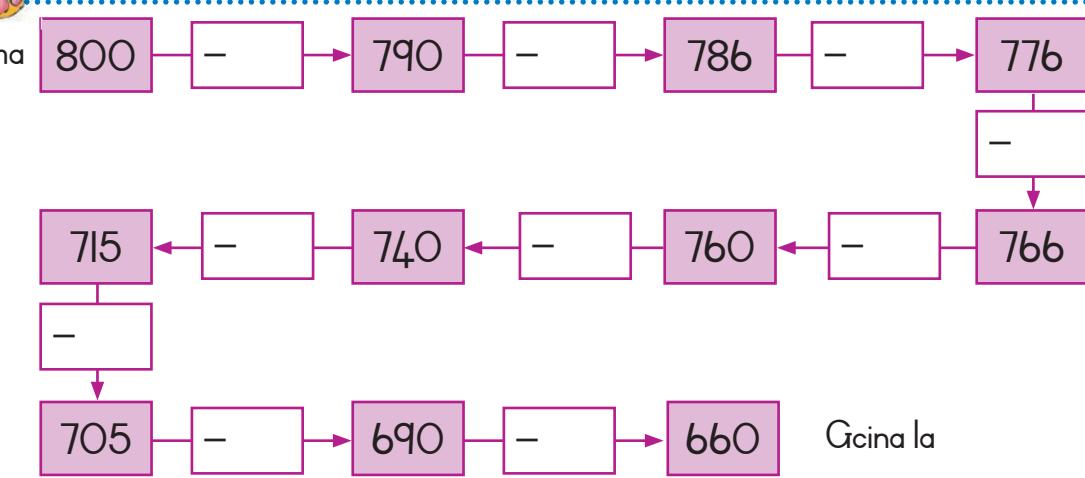
Thoma

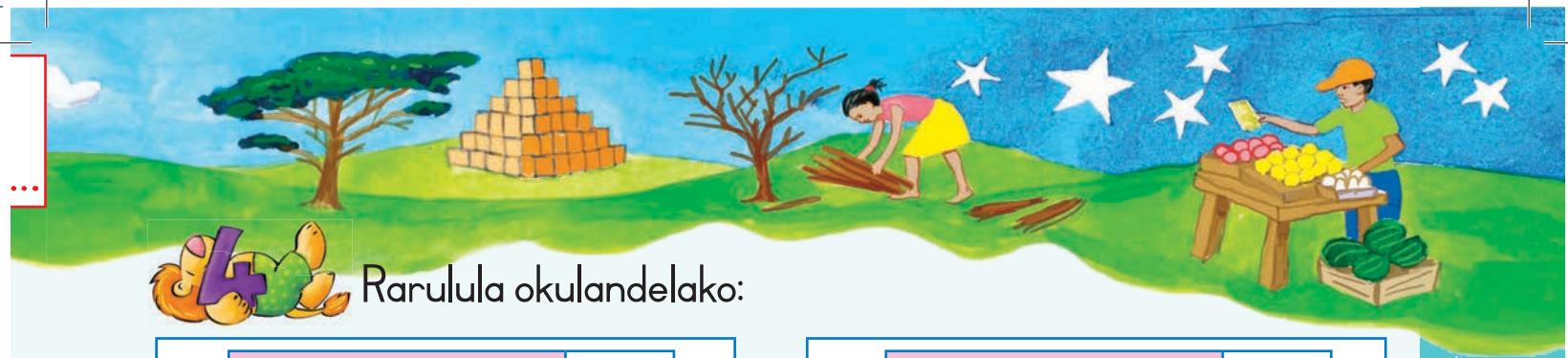


Bala ubuyele emuva ukusuka ku-800.

Njalo tlola uthi "itjhentjhi".

Thoma





Rarulula okulandelako:

$725 + 53 =$

$664 + 87 =$

$564 + 132 =$

$75 + 717 =$



Rarulula okulandelako:

uJames ubuthelele amamabula ama-525.

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

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

- a.
- b.



74

Ukuhlanganisa nokukhupha kufikela ku-800

Ilanga:

Ithemu 3

Iminden iyeenomboro

Singenza iminden iyeenomboro. Omunye nomunye umndeni uneenomboro ezimbili ezikulu kanye neyodwa encani.

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

$$\begin{array}{rcl} 4 + 8 = 12 & 8 + 4 = 12 \\ 12 - 8 = 4 & 12 - 4 = 8 \end{array}$$



Funyana iminden.

Tlola imitjho iyeenomboro emine kelinye nelinye ibuthelelelo leenomboro.

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



Yevela izinto ezhlanganisako.

Emsebenzini lo sizokuveza amaphetheni.

$360 - 50 =$ <input type="text"/>	$50 +$ <input type="text"/> $= 360$	<input type="text"/> $+ 50 = 360$
$570 - 480 =$ <input type="text"/>	$480 +$ <input type="text"/> $= 570$	<input type="text"/> $+ 480 = 570$
$430 - 31 =$ <input type="text"/>	$31 +$ <input type="text"/> $= 430$	<input type="text"/> $+ 31 = 430$
$676 - 70 =$ <input type="text"/>	$70 +$ <input type="text"/> $= 676$	<input type="text"/> $+ 70 = 676$
$799 - 701 =$ <input type="text"/>	$701 +$ <input type="text"/> $= 799$	<input type="text"/> $+ 701 = 799$



Ikhambo elide.

UNom. Mkhize uyatjhayela uyokuvakatjhela unina ohlala kude pheze ebangeni elima-352 km. Uyaphumula ajame ebangeni elili-166 km. Usasalelwé kukhamba ibanga elinganganí?

UKumi wenza lokhu:	UPhumla utlola lokhu:
$352 - 166$ $\begin{array}{ccccccc} +4 & +30 & +100 & +52 \\ \hline 166 & 170 & 200 & 300 & 352 \end{array}$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $\begin{array}{r} 300 + 50 + 2 \\ - 100 + 60 + 6 \\ \hline 200 + 140 + 12 \end{array}$ $\begin{array}{r} 300 + 40 + 12 \\ - 100 + 60 + 6 \\ \hline 200 + 140 + 12 \end{array}$ $\begin{array}{r} 200 + 140 + 12 \\ - 100 + 60 + 6 \\ \hline 100 + 80 + 6 \end{array}$ $= 186 \text{ km}$
UMbali wenza lokhu:	UPeter wenza lokhu:
$352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
UVeronica wenza lokhu:	ULebo ucabanga ngokubuyelelwé kabilí kanye nokuhafula:
$352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	Ihafu yaka-352 yi-176 Kodwana kumele ngithathé nje kwaphela i-166, okutjho kobana njihlanganise godu ne-10. $176 + 10 = 186 \text{ km}$

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



Rarululela okulandelako lokhu esiqetjhaneni sephepha:

Sebenzisa nanyana ngiyiphi yeendlela ezingehla.

$$746 - 328$$

$$800 - 499$$



11 12 13 14 15 16 17 18 19 20

75

Okhunye ukuhlanganisa

kanye nokukhupha ukufika ku-800

Ilanga:

Ithemu 3



Zakhele zakho iinomboro zemndeni.

Umsebenzi wokuzijayenza.

8 9 17

Isibonelo: Yakha u-17

5 12 17



$$\begin{aligned}5 + 12 &= 17 \\12 + 5 &= 17 \\17 - 12 &= 5 \\17 - 5 &= 12\end{aligned}$$

$$\begin{aligned}8 + 9 &= 17 \\9 + 8 &= 17 \\17 - 9 &= 8 \\17 - 8 &= 9\end{aligned}$$



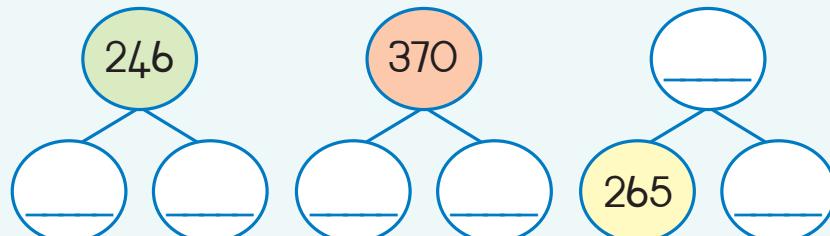
Kenye nenyenye inomboro kezingenzasi, khetha ezinye ezimbili ukwakha umndeni. Tlola imitjho yeenomboro emine (emibili + kanye nemibili –) kenye nenyenye inomboro yomndeni.

Hlolisa!
Madanisa! Lungisa!

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



Funyana inomboro etlhayelako ebuyelelwwe kibili nanyana ehafuliweko.





Ukuhafula ukuze ukhuphe.

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

$$34 - 18 = 16$$

$$34 - 17 = 17$$

$$17 - 1 = 16$$

$$190 - 97$$

$$190 - 95 = 95$$

$$95 - 2 = 93$$

$$65 + 69$$

$$65 + 65 = 130$$

$$130 + 4 = 134$$

$$242 + 249$$

$$= 242 + 242 + 7$$

$$= 484 + 7$$

$$= 491$$

Kwanje linga lokhu:

$$340 - 176$$

$$145 + 148$$

$$900 - 452$$



Fundisia 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	Indelala yesi-2
$256 = 200 + 50 + 6$ <ul style="list-style-type: none"> → Ihafu yaka-200 yi-100 → Ihafu yaka-50 yi-25 → Ihafu yaka-6 yi-3 $100 + 25 + 3 = 128$ → Ihafu yaka-256 yi-128 <p>Okutjho kobana abentwana abali-128 bafunyana iinkoloyana.</p>	<ul style="list-style-type: none"> → Ihafu yaka-250 = 125 → Ihafu yaka-6 yi-3 $125 + 3 = 128$ → Ihafu yaka-256 yi-128 <p>Okutjho kobana abentwana abali-128 bafunyana iinkoloyana.</p>



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 abafunyene amabhlogo wokwakha?

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



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Amaphetheni weenomboro: amatjhumi ukufika ku-800

Ilanga:

Ithemu 3



Ungathini ngeenomboro ezingemabhlogweni afiphaziweko?

Bala amatjhumi ukusuka ku-710 ukufika ku-800.

Ngiyiphi inomboro eza ngemva kwaka-720 lokha nawubala ngamatjhumi?

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

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

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



Qedelela iinomboro zemitjho.

720; 730; 740; _____ ; _____ ; _____

800; 790; 780; _____ ; _____ ; _____



Ukuhlanganisa nanyana ukukhupha ngamatjhumi.

- I. Hlanganisa netjhumi kile inomboro onikelwe yona.
Sewenzelwe isibonelo.

a. $767 + 10 = 777$

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

1 2 3 4 5 6 7 8 9 10



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

$$a. 767 - 10 = 757$$

b. $762 \quad$

c. $783 \quad$

d. $756 \quad$

e. $714 \quad$

f. $799 \quad$

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



Qalisisa iijingi ezibomvu ebhodinileenomboro.

a. Ngikuphi okuyevelako ngeeyingi lezi? _____

b. Yelula ukulandelana kweenomboro

ezilandelako: $799; 789; 779; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$704; 714; 724; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

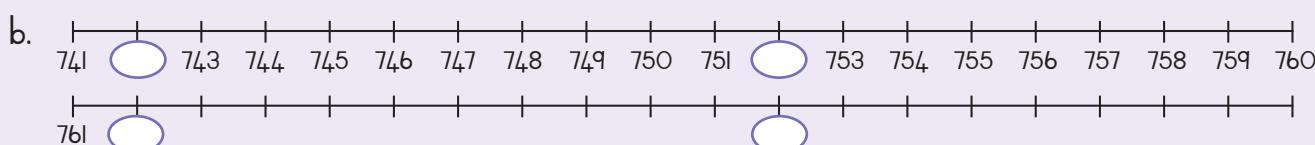
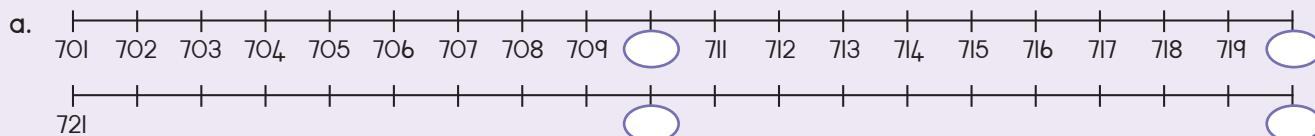
$715; 725; 735; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$782; 772; 762; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$737; 747; 757; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$



Qedeleta 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 ngamatjhumi ukusuka enomborweni le, inomboro le izokuba yini?



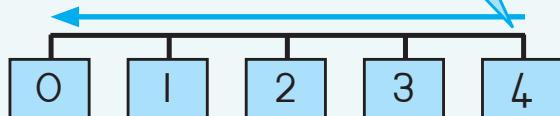
77

Ilanga:

Ukutjhideza etjhumiini

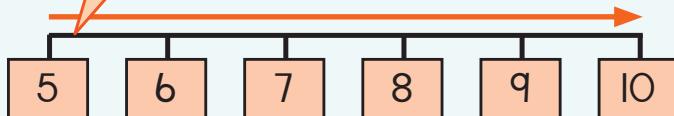
Ithemu 3

Zoke iinomboro kusuka ku-4 ukuya emuva zizokutjhidezwa eqandeni.

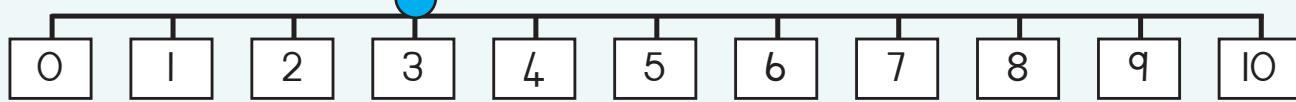


Asikhulume.

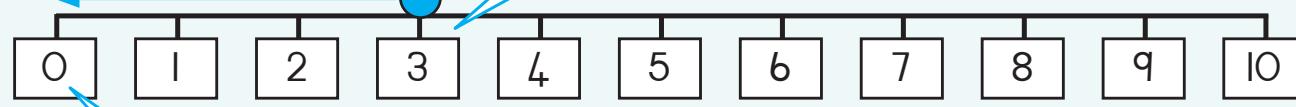
Zoke iinomboro kusuka ku-5 ukuya phambili zizokutjhidezwa etjhumiini.



Qala inomboro 3 kunambalayini.



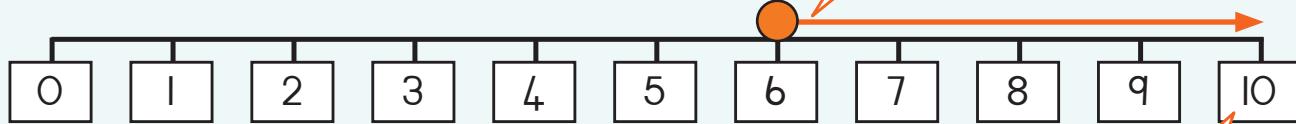
U-3 uzokuba yini lokha nakatjhidezwa etjhumiini eliseduze?



U-3 nakatjhidezwa etjhumiini eliseduze uzokuba liqanda.

Yenza okufanako nangalokhu:

U-6 uzokuba yini lokha nakatjhidezwa etjhumiini eliseduze?

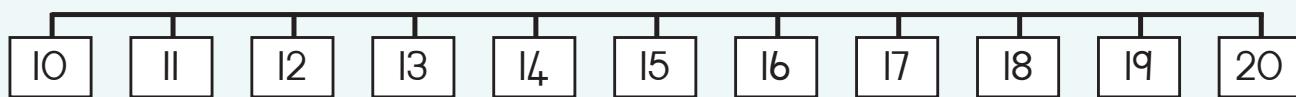


Ipendulo kuzokuba ngu-10.

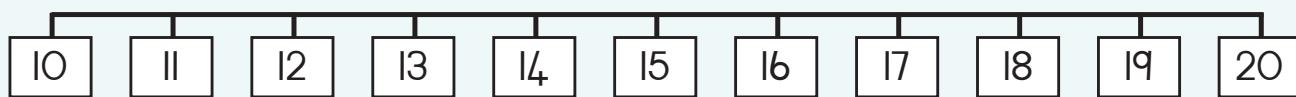


Tjhideza etjhumiini eliseduze.

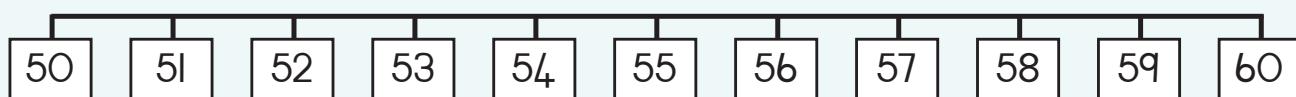
U-12 nakatjhidezwe eduze ipendulo yini? _____



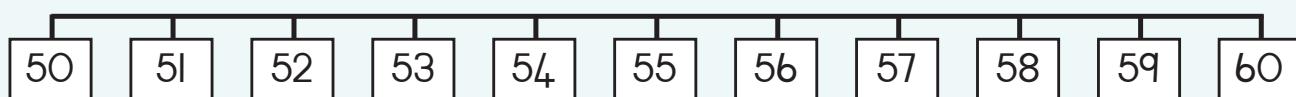
U-19 nakatjhidezwe eduze ipendulo yini? _____



U-53 nakatjhidezwe eduze ipendulo yini? _____



U-58 nakatjhidezwe eduze ipendulo yini? _____





Tjhideza etjhumi eliseduze
ngokugwala inambalayini yakho.

a. 46

46

50

Kuhlangana namaphi amatjhumi
amabili lapha kuno-46?

40

41

42

43

44

45



b. 63

Kuhlangana namaphi amatjhumi
amabili lapha kuno-63?



c. 37

Kuhlangana namaphi amatjhumi
amabili lapha kuno-37?



d. 99

Kuhlangana namaphi amatjhumi
amabili lapha kuno-99?



UTom unemali ema-R48,00

Ipaka yamakarada awabuthelelako ibiza ama-R5,00.

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

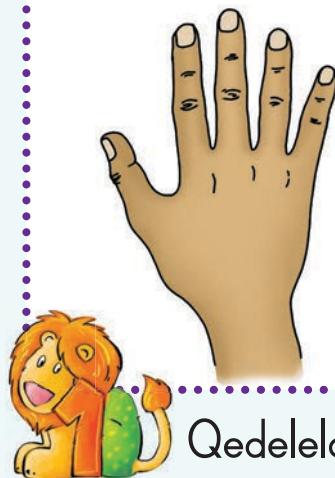


Ukubuyabuyelela: okuhlanu kufika kuma-75

Ilanga:

Itthemu 3

Ngikuphi okuza
ngakuhlanu?
Imino yesandla esisodwa.



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:

$$\begin{aligned}9 \times 5 &= 45 \\7 \times 5 &= 35 \\2 \times 5 &= 10 \\4 \times 5 &= 20 \\3 \times 5 &= 15 \\5 \times 5 &= 25 \\10 \times 5 &= 50 \\6 \times 5 &= 30 \\8 \times 5 &= 40\end{aligned}$$

Qedelela itheyibula.

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	



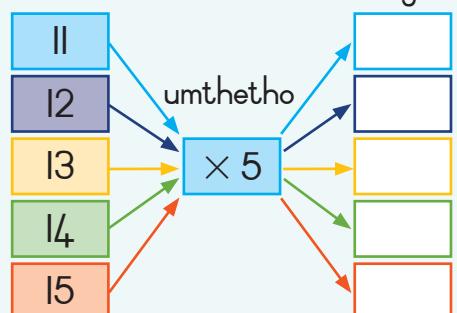
Qedelela itheyibula.

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	



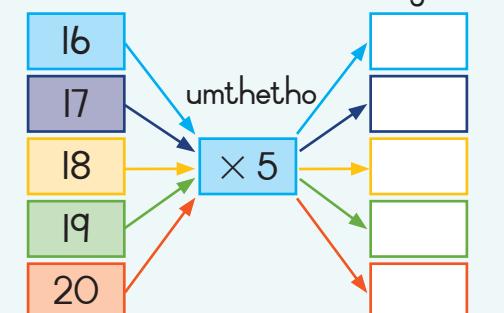
Qedelela umgwalo owehlako.

okufakako



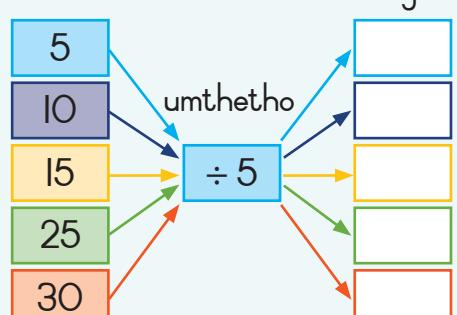
okufunyanako

okufakako



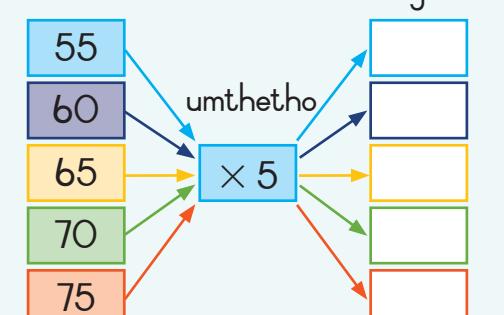
okufunyanako

okufakako



okufunyanako

okufakako



okufunyanako



Qedelela itheyibula elingenzasi:

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

\times	II	I2	I3	I4	I5	I6	I7	I8	I9	I10
5										

Uzisebenze njani iimpakala ekumele zitlolwe ngemabhlogweni ahlaza sasibhakabhaka?



Rarulula okulandelako:

Umma uthenge iimpaka zamaswidi ngenani elima-R70.

Ubhadele ama-R5 ipaka ngayinye.

Umma uthenge iimpaka zamaswidi ezingaki?



II I2 I3 I4 I5 I6 I7 I8 I9 I10

79

Amaphetheni weenomboro: ngakuhlanu bekufike ku-800

Ithemu 3



Ungathini ngeenomboro ezingemabhlogweni
anombala o-orentji?

Bala ngakuhlanu usuke ku-705 uyokufika
ku-800.

Ngiyiphi inomboro eza ngemva kwaka-720
lokha nawubala ngakuhlanu?

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

Ngiyiphi 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.

- I. Hlanganisa inomboro onikelwe yona nakuhlanu.
Sewenzelwe inomboro yokuthoma njengesibonelo.

a. $760 + 5 = 765$

b. 725 _____	c. 780 _____	d. 755 _____	e. 715 _____	f. 790 _____
--------------	--------------	--------------	--------------	--------------



2. Khupha okuhlanu 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 okuhlanu kilezi iinomboro ezingehla?



Qalisisa iiydingi ezibomvu ebhodini leenomboro.

a. Ngikuphi okuyeelako ngeeyingi lezi? _____

b. Yelula ukulandelana kweenomboro

ezilandelako:

703; 708; 713; _____ ; _____ ; _____

753; 758; 763; _____ ; _____ ; _____

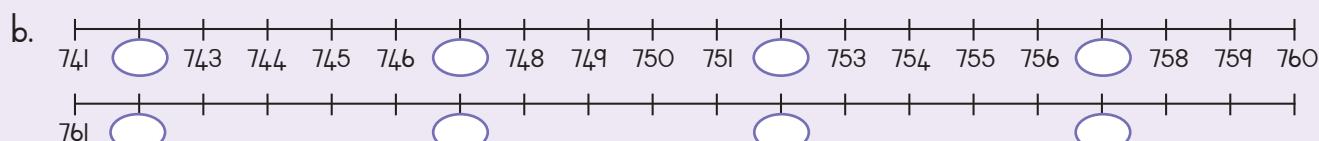
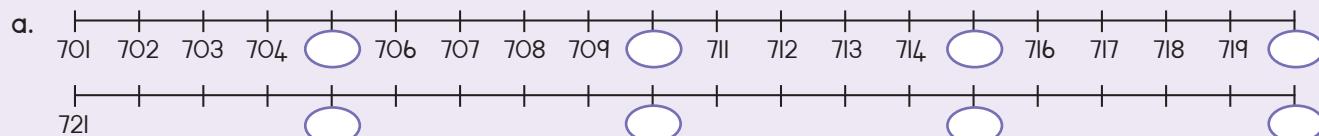
701; 706; 711; _____ ; _____ ; _____

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 ngokuhlanu.

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

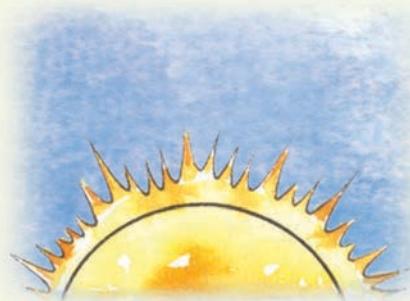


11 12 13 14 15 16 17 18 19 20

80



Ithemu 3



eCape Town

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



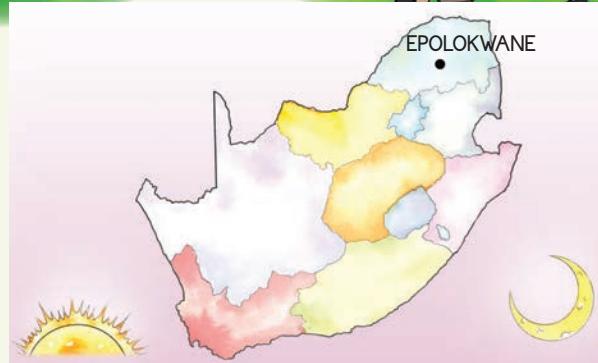
eCape Town	Ukuphuma kwelanga	Ukutjhingga kwelanga	Ubude belanga	Ubude bobusuku
Mhla amalanga ama-23 kuMatjhi	6:53 am	6:53 pm		
Mhla amalanga ama-21 kuJuni	7:51 am	5:44 pm		
Mhla amalanga ali-19 kuSeptemba	6:41 am	6:41 pm		
Mhla amalanga ama-22 kuDisemba	5:32 am	7:58 pm		

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



EPolokwane

Ithayibula le itjengisa iinkhathi zokuphuma nokutjhinga kwelanga ngeenkhathi ezahlukeneko zomnyaka ePolokwane. Fundisisa iinkhathi ethayibuleni bese uqedelela okulandelako ethayibulini ngaphambi kokuphendula imibuzo engenzasi.



EPolokwane	Ukuphuma kwelanga	Ukutjhinga 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 ethayibulini elingehla.



Bawa omunye akusize ufunyane iinkhathi zokuphuma kanye nokutjhinga kwelanga endaweni yangekhenu.

Tlolola phasi iinkhathi lezo bekuphele iveke eyodwa. Ingabe amalanga aba made nanyana aba mafitjhani?



81

Ukubuyabuyelela: ngakubili bekufike ku-75

Ilanga:

Ithemu 3

Ngikuphi okuza
ngakubili?

Ipara yinye
yamanyathelo.



Mangaki amanyathelo:

Ipara yinye yamanyathelo?

Impara ezi-2 zamanyathelo?

Impara ezi-3 zamanyathelo?

Impara ezi-4 zamanyathelo?

Impara ezi-5 zamanyathelo?

Impara ezi-6 zamanyathelo?

Impara ezili-7 zamanyathelo?

Impara ezibu-8 zamanyathelo?

Impara ezili-9 zamanyathelo?

Impara ezili-10 zamanyathelo?

Madanisa isibalo nombuzo
ongesinceleni.

$$1 \times 2 = 2$$

$$9 \times 2 = 18$$

$$7 \times 2 = 14$$

$$2 \times 2 = 4$$

$$4 \times 2 = 8$$

$$3 \times 2 = 6$$

$$5 \times 2 = 10$$

$$10 \times 2 = 20$$

$$6 \times 2 = 12$$

$$8 \times 2 = 16$$

Qedeleta itheyibula.

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



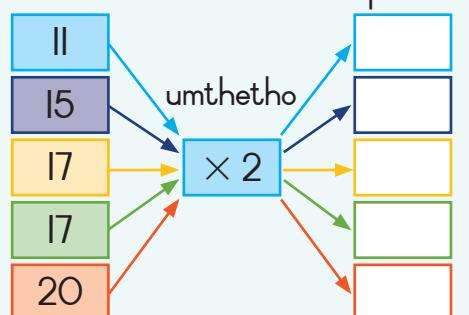
Qedeleta itheyibula.

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



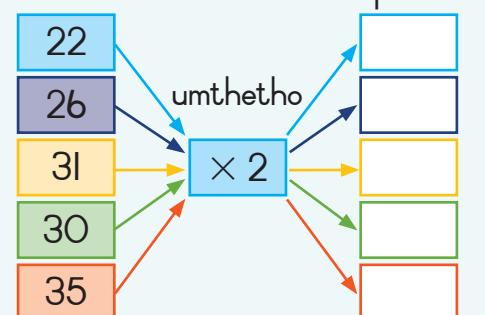
Qedelela umgwalo owehlako.

okufakiweko



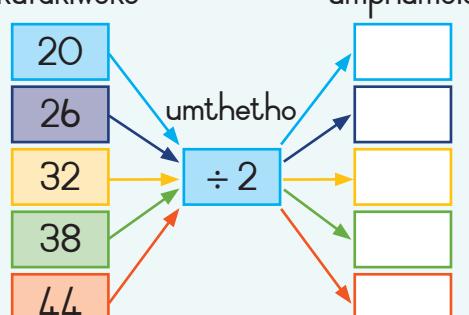
umphumela

okufakiweko



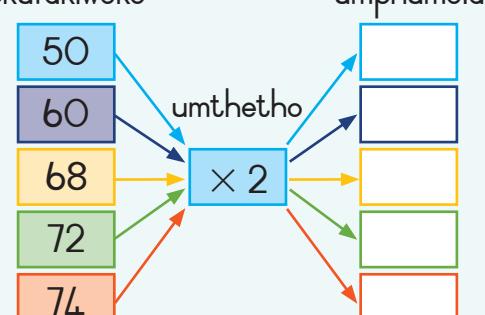
umphumela

okufakiweko



umphumela

okufakiweko



umphumela



Qedelela amatheyibula angenzasi:

\times	1	2	3	4	5	6	7	8	9	10	II	I2	I3	I4	I5	I6	I7	I8	I9	I20
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?



II I2 I3 I4 I5 I6 I7 I8 I9 I20

Amaphetheni weenomboro: zangakubili kufika ku-800



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

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

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

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



Qedelela ukulandelana kweenomboro.

720; 722; 724; _____ ; _____ ; _____

800; 798; 796; _____ ; _____ ; _____



Hlanganisa nanyana ukhuphe okubili.

- I. Hlanganisa okubili enomborweni oyinikelweko.
Sewenzelwe isibonelo.

$$\text{a. } 764 + 2 = 766$$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



2. Khupha okubili enomborweni enikelweko. Sewenzelwe isibonelo.

$$a. 764 - 2 = 762$$

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

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



Qala iiyingi ezhilaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyeelako ngeeyingi lezi? _____

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



Qedelela ngenomboro enembako kesinye nesinye isiyungi
kumanambalayjni alandelako.

- a.
- b.



Nginenomboro enamadijidi ama-3.

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



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



83

Ukubuyabuyelela:

ngaku-2 nangaku-5 bekufike ku-75

Ilanga:

Ithemu 3



Ungaphendula msinya kangangani kilokhu okulandelako?

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



Qala kobana umngani wami wenze ini.

$$4 \times 2 = 8$$

Cocisanani.

Umngani wami utjengisa oku- 4×2 ngendlela elandelako:

Ukubala ulokhu weqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyeletweko	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	Amabuthelelo alinganako	Ngokuhlanganisa okubuyeletweko	Ngokuhlela	Ngamaphuzu



Buyabuyelela okulandelako:

$$24 \times 3$$

$$= (20 + 4) \times 3$$

$$= (20 \times 3) + (4 \times 3)$$

$$= 60 + 12$$

$$= 72$$

a. 13×3

b. 18×3

c. 12×5

d. 21×3

e. 14×3

f. 25×3

g. 12×3

h. 15×5



Rarulula okulandelako:

Ngithenge amaswidi ali-14 ngenani lama-R3 iswidi ngalinye.

Umngani wami uthenge amaswidi ali-12 ngama-R5 iswidi ngalinye.

Sisobabili sibhadele malini imali yamaswidi sele awoke?



11 12 13 14 15 16 17 18 19 20

Ukubuyabuyelela:

ngakuthathu bekufike ku-75

Ilanga:

Ithemu 3

Ngikuphi
okuza
ngakuthathu?
Amavilo
womlelenjani
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?



Qedeleta itheyibula.

Madanisa inani kanye
nombuzo ongesandleni
sesincele:

$$9 \times 3 = 27$$

$$7 \times 3 = 21$$

$$\textcolor{orange}{2 \times 3 = 6}$$

$$4 \times 3 = 12$$

$$3 \times 3 = 9$$

$$5 \times 3 = 15$$

$$1 \times 3 = 3$$

$$10 \times 3 = 30$$

$$6 \times 3 = 18$$

$$8 \times 3 = 24$$

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



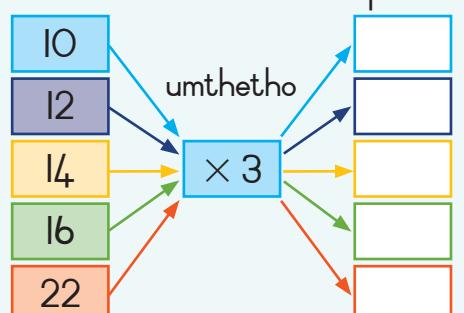
Qedeleta itheyibula.

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	



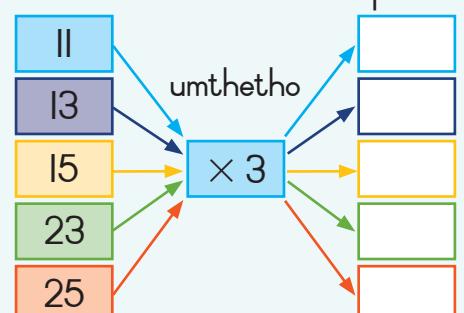
Qedelela umgwaloo wehlako.

okufakiweko

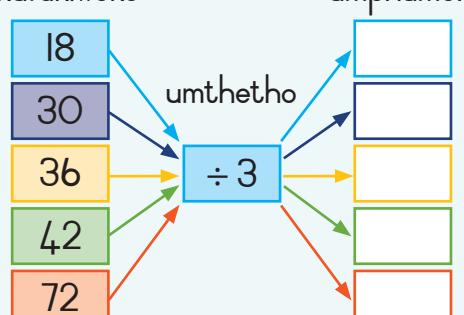


umphumela

okufakiweko

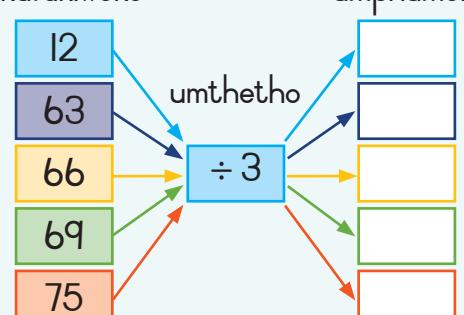


okufakiweko



umphumela

okufakiweko



Qedelela itheyibula elingenzasi:

\times	1	2	3	4	5	6	7	8	9	10	II	I2	I3	I4	I5
4	3	6													

\times	I6	I7	I8	I9	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
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?



II I2 I3 I4 I5 I6 I7 I8 I9 20

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



Ungakuphendula msinya kangangani lokhu okulandelako?

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



Qala kobana umngani wami wenze ini.

$$5 \times 2 = 10$$

Cocisanani.

Ngithome ngokutjengisa u- 5×2 ngendlela elandelako:

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyeletelweko	Ukuhlela	Amaqiniso
2, 4, - - -	• • - - -	2 + - - -	- imida yanga ku-2 xx	$2 \times - = -$ $4 \times - = -$ $- \cdot - = -$ $- \cdot - = -$

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

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyeletelweko	Ukuhlela	Amaqiniso

$$6 \times 4 = 24$$

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyeletelweko	Ukuhlela	Amaqiniso



Hlukanisa bewuhlolise ipendulo yakho.

$$63 \div 3$$

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

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

$$= 20 + 1$$

$$= 21$$

$$21 \times 3$$

$$= (20 + 1) \times 3$$

$$= (20 \times 3) + (1 \times 3)$$

$$= 60 + 3$$

$$= 63$$

a. $48 \div 5$

b. $64 \div 5$



Rarulula okulandelako:



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



11 12 13 14 15 16 17 18 19 20

Amaphetheni weenomboro: ngakuthathu bekufike ku-800



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

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

Bala uye emuva ngakuhlanu 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.

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

a. $766 + 3 = 769$

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



2. Khupha okuthathu enomborweni onikelwe yona. Sewenzelwe isibonelo.

$$a. 766 - 3 = 763$$

b. 763 _____

c. 789 _____

d. 756 _____

e. 713 _____

f. 799 _____

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



Qala iiyangi ezihlaza sasibhakabhaka ebhodini leenomboro.

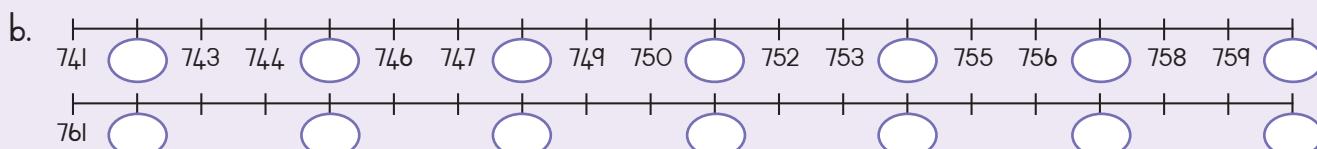
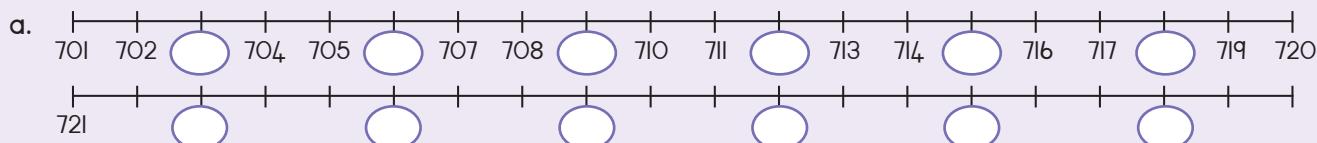
a. Ngikuphi okuyeleta ngeeyingi? _____

- b. Yelula ukulandelana kweenomboro
ezilandelako:
704; 707; 710; _____ ; _____ ;
773; 776; 779; _____ ; _____ ;

779; 776; 773; _____ ; _____ ;
782; 785; 788; _____ ; _____ ;
779; 782; 785; _____ ; _____ ;
719; 720



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



Nginenomboro enamadijidi ama-3.

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



Ukubuyabuyelela: ngakune bekufike ku-75

Ilanga:

Ithemu 3

Ngikuphi okuza ngakune?

Amavili wekologyi.



Mangaki amavili?

Ikologyi eyo-1?

Iinkoloyi ezi-2?

Iinkoloyi ezi-3?

Iinkoloyi ezi-4?

Iinkoloyi ezi-5?

Iinkoloyi ezisi-6?

Iinkoloyi ezili-7?

Iinkoloyi ezibu-8?

Iinkoloyi ezili-9?

Iinkoloyi ezili-10?

Madanisa isibalo kanye
nombuzo ongesinceleni:

$9 \times 4 = 36$

$7 \times 4 = 28$

$2 \times 4 = 8$

$4 \times 4 = 16$

$3 \times 4 = 12$

$5 \times 4 = 20$

$1 \times 4 = 4$

$10 \times 4 = 40$

$6 \times 4 = 24$

$8 \times 4 = 32$



Qedeleta itheyibula.

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



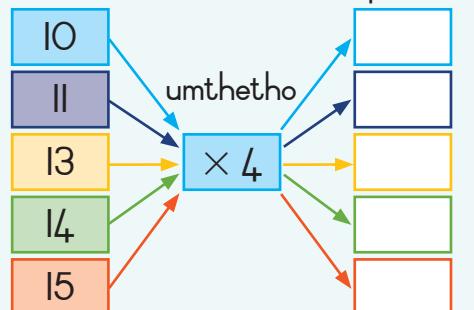
Qedeleta itheyibula.

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	



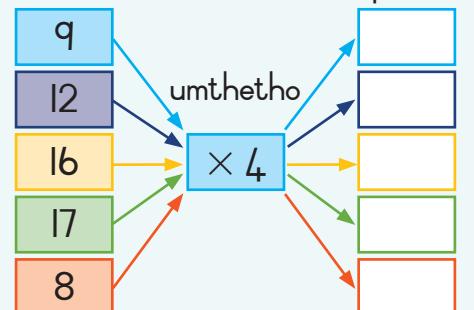
Qedelela umgwalo owehlako.

okufakiweko

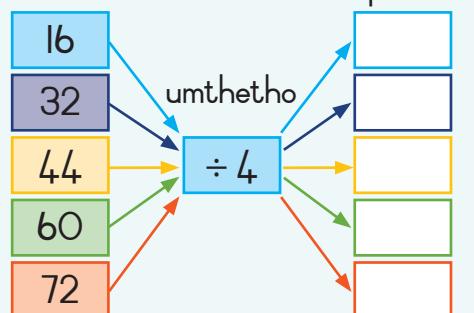


umphumela

okufakiweko

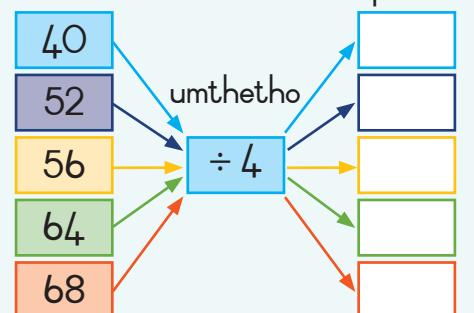


okufakiweko



umphumela

okufakiweko



Qedelela itheyibula elingenzasi:

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

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

Uzisebenze njani iimpendulo ezingemabhlogweni ahlaza sasibhakabhaka?



Rarulula okulandelako:

Nginama-R75.

Zingaki izipho ezincani engingazithenga ngemali ema-R4?



11 12 13 14 15 16 17 18 19 20

Tinomboro zamaphethen: ngazine bekufike ema-800



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

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

Bala uye emuva ngakune ukusuka ku-800
ufijke ku-704. Ngiyiphi 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.

$$a. 764 - 4 = 760$$

b. 768 c. 784 d. 752 e. 714 f. 798

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



Qala iyingi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyeelako ngeeyingi lezi?

Yelula ukulandelana kweenomboro ezilandelanako: _____

b. Yelula ukulandelana kweenomboro

ezilandelanako: _____; _____; _____

ezilandelanako:

783; 779; 775; _____; _____; _____

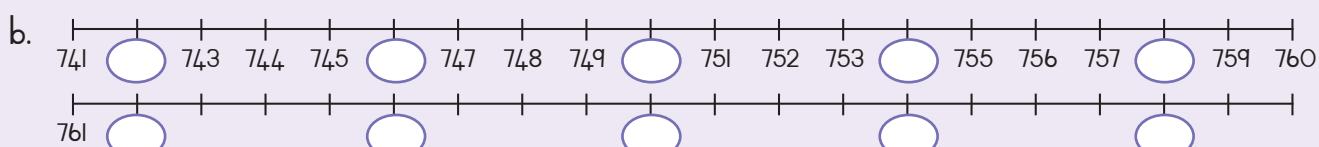
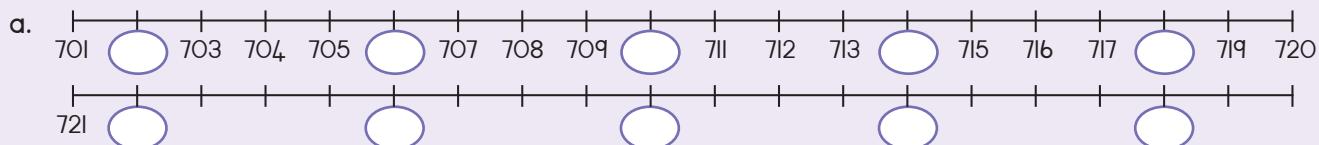
703; 707; 711; _____; _____; _____

799; 795; 791; _____; _____; _____

773; 777; 781; _____; _____; _____



Qedelela ngenomboro enembako esiyingini ngasinye
kumanambalayini alandelako.



Nginenomboro enamadjidi ama-3.

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



11 12 13 14 15 16 17 18 19 20

89

Ilanga:

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

Ithemu 3



Ungakuphendula msinya kangangani okulandelako?

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



Faka umbala amabhlogo akunikela isibalo
esikunikela isalela.

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



Wazi njani kobana inomboro ingahlukaniseka:

- 3? Nawuhlanganisa idijidi yenomboro (isib: $72 \text{ unamadjidi } 7 + 2 = 9$) begodu ungahlukanisa inomnoro etja ngaku-3 (isib: 9 uyahlukaniseka ngaku-3).
- 2? _____
- 5? _____



Yehlukanisa bewuhlolise ipendulo yakho.

$$65 \div 3$$

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

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

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

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

$$21 \times 3 + 2$$

$$= (20 + 1) \times 3 + 2$$

$$= (20 \times 3) + (1 \times 3) + 2$$

$$= 60 + 3 + 2$$

$$= 65$$

a. $49 \div 5$

b. $65 \div 5$



Rarulula okulandelako:

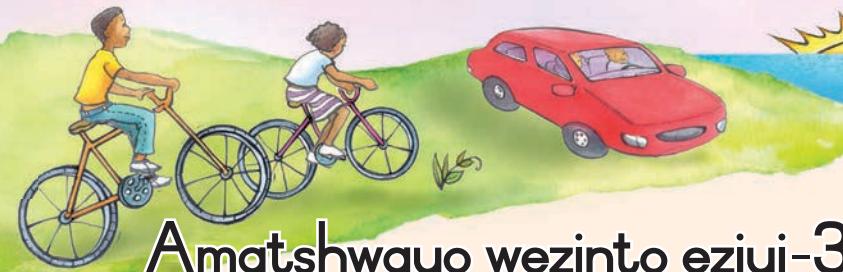
Kumele ukhambe uyokwenza irhubhululo.

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.



Qala iinthombe bese uqedelela imitjho nemibuzo.



a. Ibholo

_____.



b. Kungani ibholo
ingatjheleli?



c. Isilinda

_____.

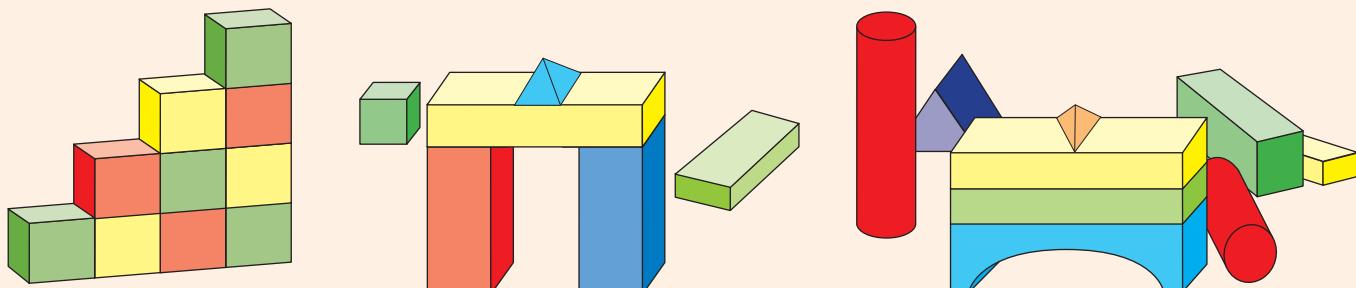


d. Ingabe isilinda
iyatjhelela?



Yitjho into esetjenzisiweko kesinye
nesinye isithombe.

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





Yitjho nangabe i-3D inelingaphezulu elisipara nanyana
eligobeneko.



Gwala okulandelako:

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



Teacher:
Sign:
Date:

q1

Ilanga:

Ithemu 3

Amakhithi wemitletlana yamacezu

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



Okupheleleko
Sika iphepha le-5

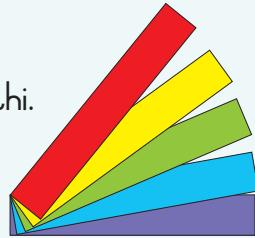
Phezu komtletlana owodwa tlola, "Okupheleleko"

Thatha umtletlana omunye bese uwubhinca ngokuyeleta okukhulu wenze isiquntu. Yewuwuvule. Uneengceny ezinganako ezingaki?

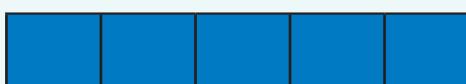
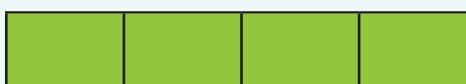
Tlola $\frac{1}{2}$ kenyenye ihafu bese usika lapha ubhince khona.

Thatha umtletlana wesithathu bese uyawubhinca ube yihafu bese uwubhinca godu ube yihafu. Yewuwuvule. Uneengceny ezingaki ezinganako? Tlola $\frac{1}{4}$ kelinye nelinye icezu eliyengceny yesine, bese usika lapha ubhince khona.

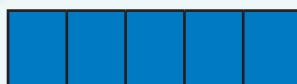
Kwanje linga ukwenza eminye imitletlana emibili, omunye utjengisa okukodwa kokuhlanu omunye utjengisa okukodwa kokubunane.



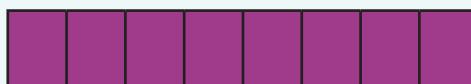
Okukodwa okupheleleko



Sebenzisa ikhithi yamacezwana wamacezu ukuphendula imibuzo.



Kungaki kwesihlanu okulingana nokukodwa okupheleleko?



Kungaki okukodwa kobunane okulingana nehafu?



Amacezu kunambalayini.

Umtletlana utjengisa okukodwa okupheleleko.

Okukodwa okupheleleko

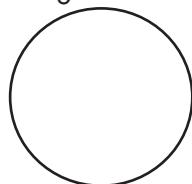
Isiyangi sitjengisa okukodwa okupheleleko.

Okukodwa
okupheleleko

Hlukanisa umtletlana ngeengceny zangokwesithathu.

Hlukanisa isiyangi ngeengceny zangokwesithathu.

Faka umbala ingceny yangokwesithathu.

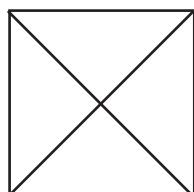


Faka umbala ingceny yangokwesithathu.

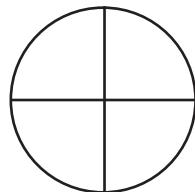


Khalara okulandelako:

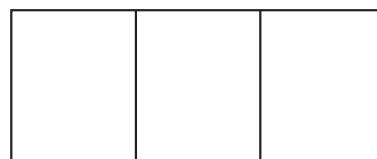
Ihafu eyodwa



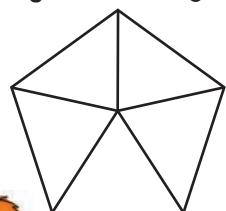
Amakota amathathu



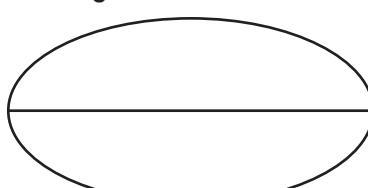
Iingceny eziimbili
zangakuthathu



Iingceny eziine zangakuhanu



Ihafu eyodwa



Amakota amathathu



Gwala okulandelako:

Amakota amathathu usebenzisa
isikwere.

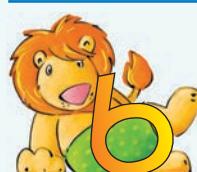
Ihafu usebenzisa isiyungi.

Amacezu wangakuthathu amabili
usebenzisa uncantathu.

Amacezu wangakuhanu amane
usebenzisa isiyungi.

Okune kokobunane usebenzisa
uncane.

Amacezu amabili wangakuthathu
usebenzisa irekthengela.



Lungisa ikhithi yakho.

- Sika esinye nesinye isiyungi seeyingi ezisi-6 kiboSika 6.
- Sika ezihlalu zeeyingi zibe ziinqetjhana emacaphazini.
- Leyibula icezu ngalinye:
 - Kelinye ihangothi tlola icezu le-iri elilodwa.
 - Kelinye ihangothi, tlola inani lemizuzu ecezwini lelo.



q2

Amanye amacezu

Ilanga:

Ithemu 3



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. Ngilambil!
Ngifuna ihafu!



Gwala ingcenyeye yakaSipho.



b. Kulungile!
Nginekota.



Gwala ingcenyeye yakaSipho neyakaGugu.



c. Mina ngizakuthatha
ihafu yalokho
okuseleko.



d. Ephayini njisalelw
licezu elingangan?

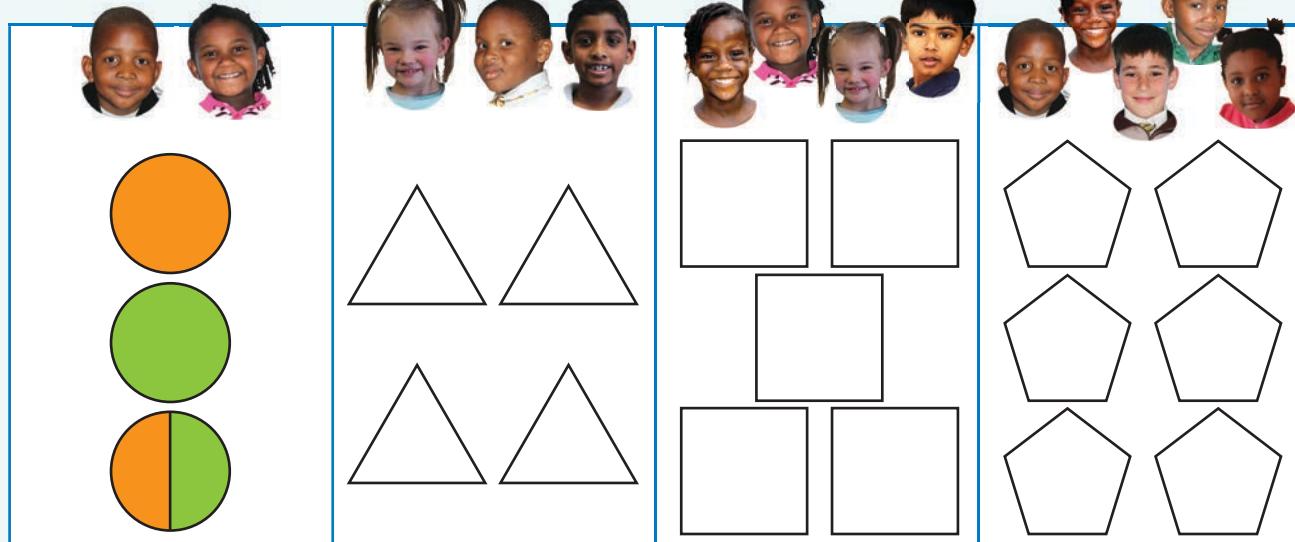


Gwala ingcenyeye yakaSipho, yakaGugu
neyaka-Andile.

Gwala iingcenyeye zoke abazabelene ephayini.



Yaba amabumbeko hlangana kwabentwana
ngokuthi ugwale umuda bese uwufaka umbala.



Abangani abane babelana isiselo
esineengojwana ezihlalu ngokulingana.

Omunye nomunye uzokufunyana
ezingangani?

Uthini umbuzo?

Zithini iinomboro?

Gwala isithombe.

Abangani abasithandathu babelana isiselo
esineengojwana ezili-9 ngokulingana.

Omunye nomunye uzokufunyana
ezingengani?

Uthini umbuzo?

Zithini iinomboro?

Gwala isithombe.

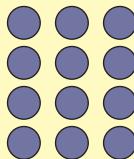


q3

Ilanga:

Ithemu 3

Lapha
kuneembalisi
ezili-12



Ukwaba okusisa emacezwini

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

Sithi lokhu yihafu
(eyodwa).

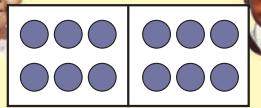
Sithi lokhu
yihafu (eyodwa).



Sabelana ngeembalisi esizabelane
sobabili ngokulingana.

Ngineembalisi
ezisithandathu.

Ngineembalisi
ezisithandathu.



Gwala iinthombe zalokhu okulandelako bese
uphendula imibuzo.

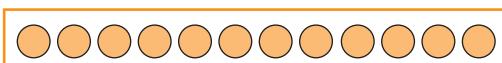
Abangani abathathu babelana amabholo
amathathu.



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



Abangani abane babelana amabholo alitjhumi
nambili. abathathu babangani babesana.



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



UMandla uzokufunyana liphi icezu?

ULisa uzokufunyana liphi icezu?

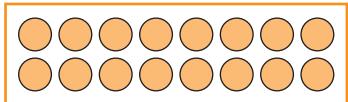
Ibizo lami
nginguMandla.



- UManbla noLisa bazokufunyana amabholo amangaki?



Ibizo lami
nginguLisa.



- UManbla noLisa bazokufunyana amabholo 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? _____



Iinkhetho zokudansa.

Umma nogogo bathunga iinkhetho zokudansa.

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

Itjhila libiza imali ema-R6 imitha.



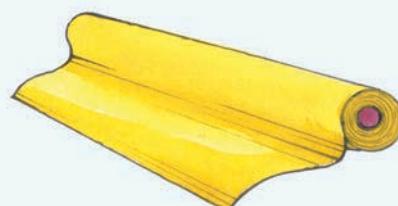
- a. Bangathunga iinkhetho ezingangani ngetjhila elilandelako?

Itjhila elim-a-5 m _____ Itjhila elim-a-10 m _____

Itjhila elim-a-20 m _____ Itjhila elim-a-25 m _____

- b. Bazokutlhoga itjhila elingangani ukuthunga iinkhetho?

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



- c. Libiza malini itjhila elithunga?

Isikhetho esi-1 _____ Iinkhetho ezi-2 _____ Iinkhetho ezi-3 _____

- d. Bangathunga iinkhetho ezingaki ngemali ema-

R450 _____ R825 _____ RI80 _____



94

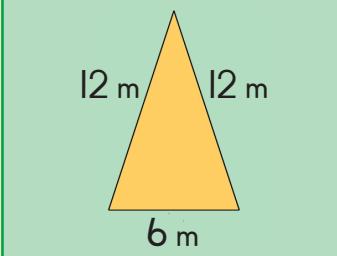
Ilanga:

Ithemu 3



Ibanga elizombako

Igama elithi ipherimitha litjho ubude nanyana ibanga elizombe into ethileko.



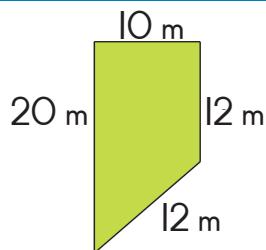
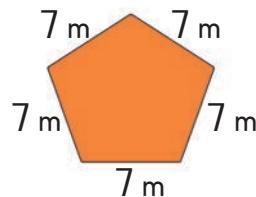
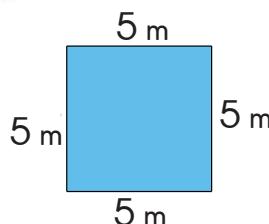
Umlimi uneplodi elingaba silinganiso sehlabathi enguncantathu.

Singafunyana ipherimitha yeplasi ngokuhlanganisa ubude bamahlangothi.

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



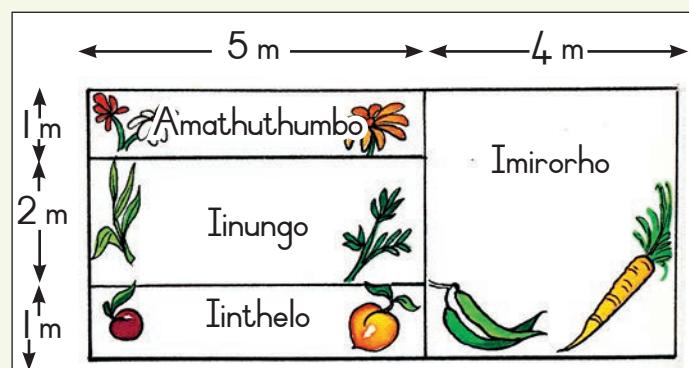
Funyana amapherimitha alandelako.



Isivande saka Veronica.

UVeronica ugwala isithombe sesivande afuna ukusitjala.

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



- _____ kanye _____ zinephерimitha _____ m.
- Kumele afunyane ifensi ezokubhoda isivande soke. Ifensi ibiza ama-R50 imitha ngayinye.
Izokubiza malini ifensi? _____



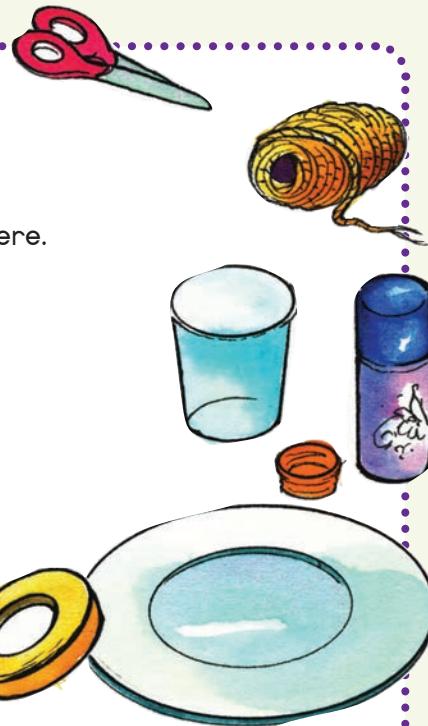
Hlela isivande sakho.

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



Ukumeda iiyungi.

Sebenza nomngani wakho.



Izinto enizotlhoga: Izinto ezi-10 eziyindulunga zobukhulu obahlukaneko. Njengepaniki, isivalo sevaselina, intambo nesikere.

1. Khetha into eyodwa esiyungi ozoyimeda ngentambo.
2. Sika isiqetjhana sentambo eyanele ukufika beyibhode into leyo.
3. Thatha intanjana leyo bese uyayelula ikhambe mazombe nesiyungi. Bala kobana ivundla kangaki.
4. Yenza okufanako ngezinye izinto eziziyyingi.
5. Tlola koke okuyevelako.

Ubude obubhoda isiyungi bubizwa ngesikhambrensi/ umzombe wesiyungi.



Ibanga ukuvundla isiyungi libizwa ngedayamitha.



Teacher: Sign:
Date:

95a

Ilanga:

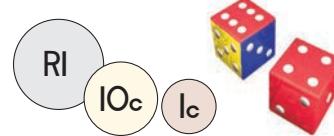
Ukuthengiselana ngemali

Ithemu 3

Dlalani imidlalo nomngani wakho.

Okutlhogako:

RIOO RIO



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.

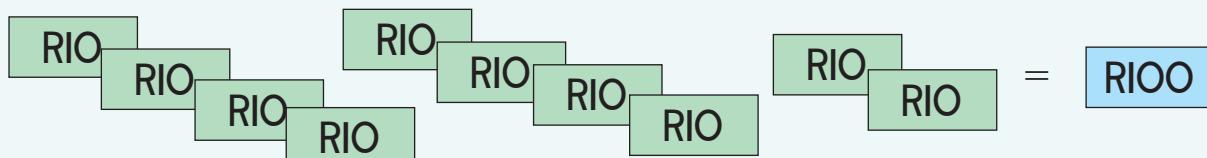


Hlanganisa bewufike e-IOO lamaranda.

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



4. Loyo ozokuba ngewokuthoma ukubuthelela imali yamaphepha ema-RIO alitjhumi, nguye othumbleko.



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

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



Khupha ukusuka ku-RIOO ukufika ku-RO.

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

RIOO	RIO	RI	IOc	Ic



Ukuhlanganisa nokukhupha ukufika e-RI OOO.

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



Ukuhlanganisa ukufika e-RI.

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



Khupha iiinsende.

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



95b

Ilanga:

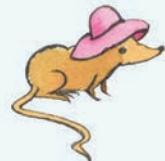
Ithemu 3

Asiye eentolo!



Iingwani ziyathengiswa.

Isitolo sithengisa iingwani ngamanani ama-5 ahlukahlukeneko.



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

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

Sezizoke iingwani, uzokubhadela malini? _____

Hholisa!
Madanisa!
Lungisa!

- UButi usebenzisa imali ema-R450 seyiyo. Uthenga ingwani eyodwa nge-R100.

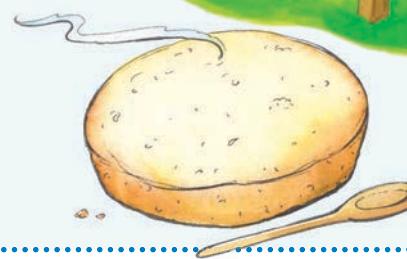
Ngiziphi ezinye iingwani azithengako? Tjengisa iimpendulo ezimbili ekungaba ngizo.

Ipendulo 1	Ipendulo 2



Ebhageni

UMusa usebenzisa iresephi yakhe yokubhaga i-sponge cake.



Iresephi ye-Sponge cake

Ikhekhe eli-l: 40 g yeflowuru i-self-raising; Amaqanda ama-3; i-50 g yetjhukela yoku-ayisa
Ukuzesa: uzokuthhoga ikhrimu ema-140 ml

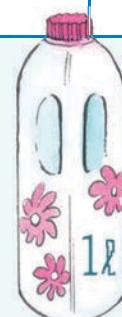
a. UMus a utlhoga ihlanganisela engangani nakubhaga amakhekhana asi-6.

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-l yekhrimu ingazalisa pheze: amakhekhe ali-10;
amakhekhe ali-7; amakhekhe abu-8.



Isibalo sokubala msinya.

Hlolisa!
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

qb

Ilanga:

Ithemu 3



Esitetjhini samapholisa.

Amapholisa amahlalu enza imisebenzi eyahlukene. Akuphi njenganje amapholisa?

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

Tlola amabizo walawo: Asedeskini? _____

Apatrolako? _____

Asekhotho? _____



Ilanga lokutjalwa kwemithi. 

Iinkolo ezhlanu 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 seyiyo? _____

1 2 3 4 5 6 7 8 9 10



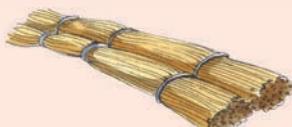
Mhlobo bani walokho ekufulelwe ngakho?

Abafundi bakaGreyidi 3 bayarhubhulula endaweni abahlala kiyo.

Bafuna ukuthola imihlobo eyahlukeneko yalokhoabantu abafullele ngayo.

Batjengisa imiphumela yabo ebblogweni leli.

Batlola ithiki eyodwa (✓) endlini ngayinje abayibonako.



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

Mafulelo amangaki sele awoke neniwabalako? Ubukhulu beengwani

Ngamathayili _____ Ngotjani _____ Ngekhuni _____ Ngamasenge _____

Ngiaphi amafulelo asetjenziswa khulu endaweni le? _____

Mafulelo amangaki sele awoke neniwabalako? _____



Ubukhulu beengwani.

Abesana esikolweni esibizwa ngokuthi kuseJuma, bambatha iinkepisi zesikolo.

Iinkepisi lezo ziza ngobukhulu obulanelako: 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!



q7



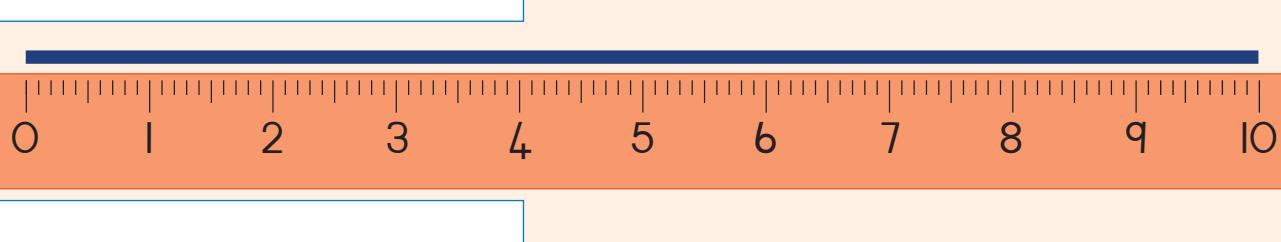
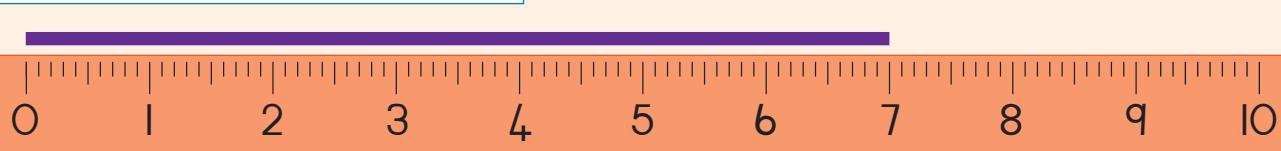
Ilanga:

Ithemu 4



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.

a. Ubude bencwadi _____

b. Ubude bomnyango _____

c. Ubude bepensela _____

d. Ubude bakho _____

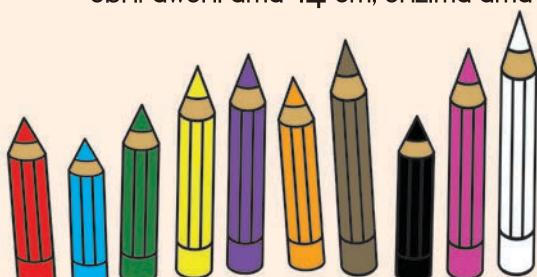
e. Ubude bomuno wakho _____

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



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

Ngemuva kokuzisebenzisa ubude bepensela ebouv 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 kanye nemhlophe ama-15 cm



a. Ngiyiphi ipensela oyisebenzise khulu? _____

b. Ngiyiphi ipensela oyisebenzise kancani? _____

c. Tlola ubude beempensela zakho kusukela kefitjhani
ukuya kede _____



11 12 13 14 15 16 17 18 19 20

q8

Ilanga:

Iinomboro 700 ukufika ku-800

Ithemu 4



Bala bese uyatlola.

a. Bala ukusuka ku- $700 - 800$.

Phimisa iinomboro nawulokhu ubala.

700



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

b. Tlola iinomboro ezitlhayelako egridini engehla.

c. Tlola iinomboro ezili-10 eziza ngemva kwaka-750.

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

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

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

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

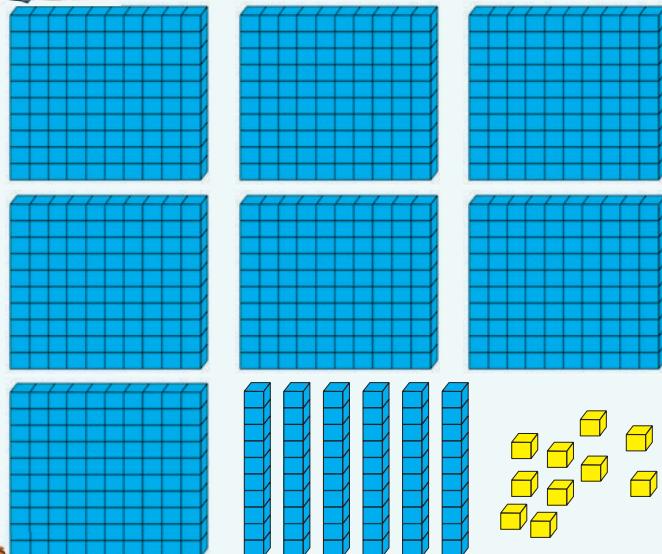
751; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 773

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

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



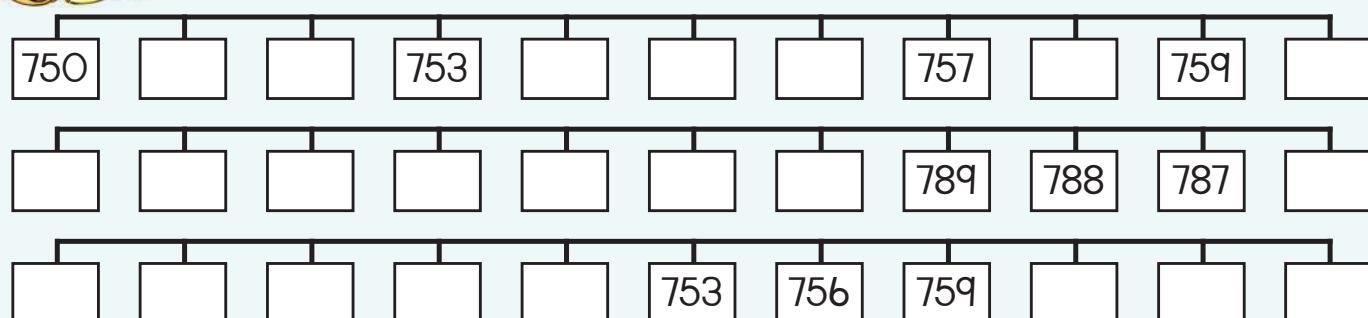
Ubale amabhlogo amangaki?



Uwabale njani amabhlogo?



Qedelela amanambalayini.



Qedelela
itheyibula.

Tlola ukusuka kencani
khulu uye kekulu khulu

Tlola ukusuka kekulu
khulu uye kencani khulu

776, 772, 779, 770, 778

736, 703, 730, 713, 703



Tlola iinomboro ezilandelako ngamagama.

788

11 12 13 14 15 16 17 18 19 20

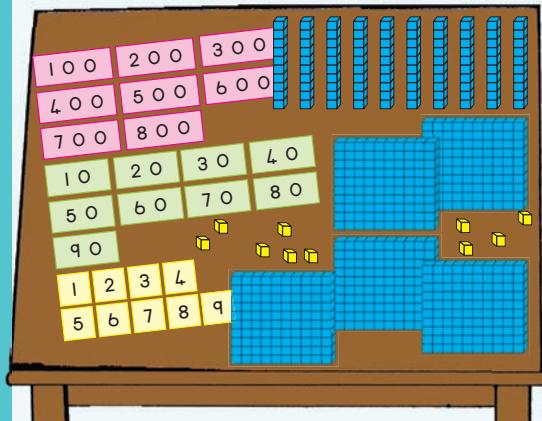
qq

Ezinye iinomboro

kusuka ku-700 kufika ku-800

Ilanga:

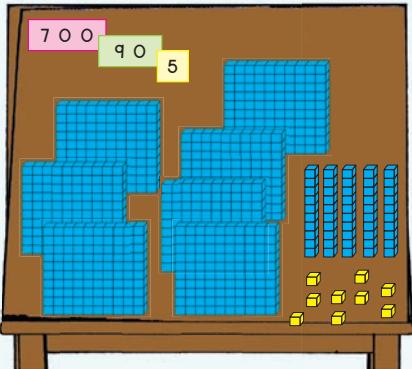
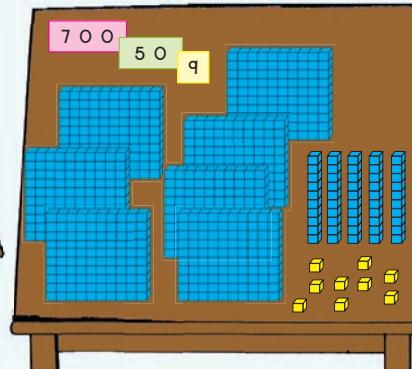
Ithemu 4



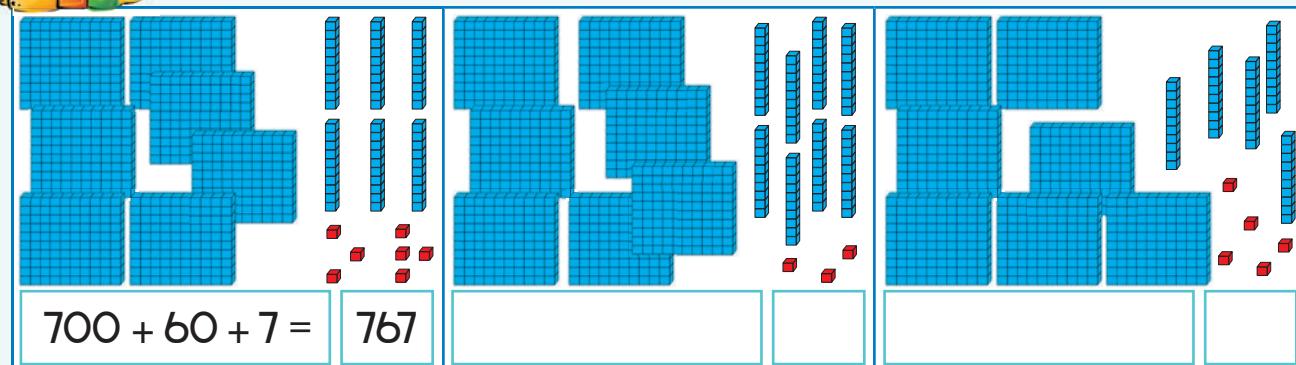
UPeter unamakarada wobukhulu
bedijidi kanye namabhlogo
wamatjhumi asisekelo.

Utitjhere ubawe uPeter ukutjengisa
inomboro 759 ngamakarada wakhe
kanye nangamabhlogo.

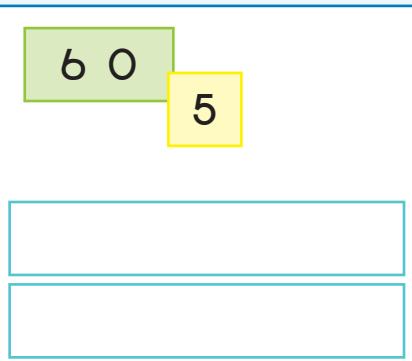
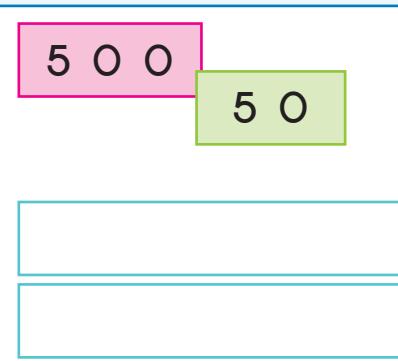
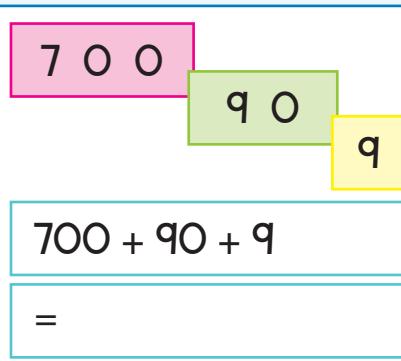
Ngilokhu okutjengiswe nguBen.
Ngikuphi okungakalungi
akwenzileko?



Tlola umutjho weenomboro bese uyaphendula.



Tlola umutjho weenomboro bese uyaphendula.





Qedelela inambalayini.

789 790 791 799

Nikela zoke iinomboro ezincani khulu kunenomboro 795 _____

Nikela zoke iinomboro ezikulu khulu kunenomboro 795. _____



Tlola itshwayo < nanyana > =

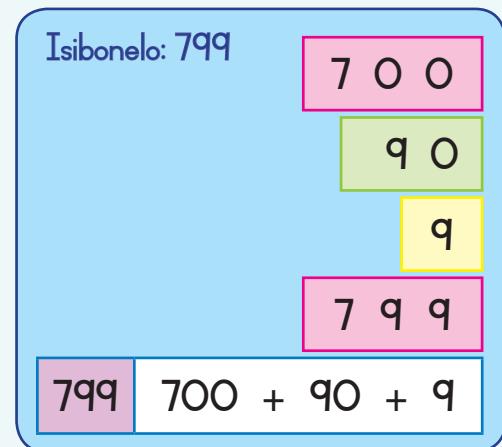
- a. 799 766 b. 745 750
c. $700 + 90 + 7$ 767



Hlephula kghedlha inomboro yakho.

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

790	
689	
699	
755	
690	



Tlola amabizo weenomboro.

668	
757	
799	
742	
691	



100



Ilanga:

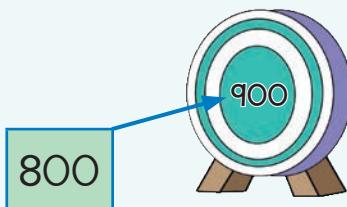
Ithemu 4



Bala bewutlole!

a. Bala ukusuka ku-800 – 900.

Phimisa iinomboro nawulokhu ubala.



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.

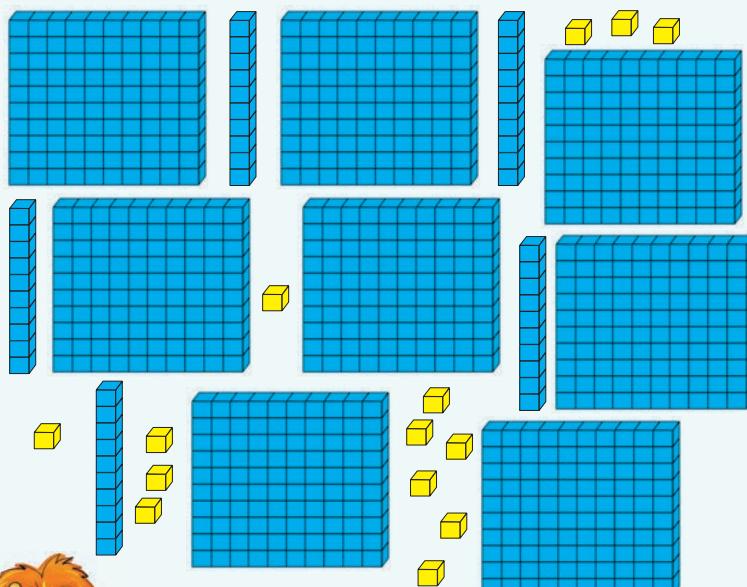
807; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 829

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

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



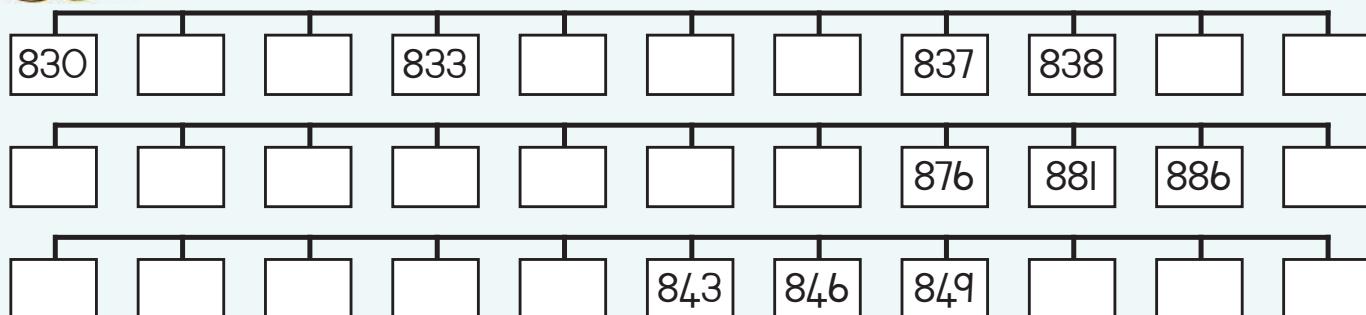
Ubale amabhlogo amangak?



Ubale amabhlogo amangaki?



Qedelela amanambalayini.



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

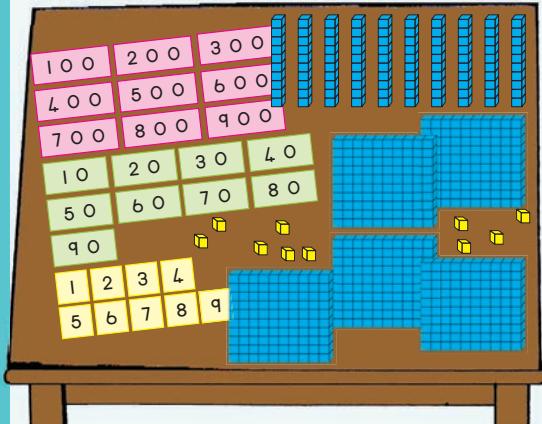
101

Ezinye iinomboro

kusuka ku-800 kufika ku-900

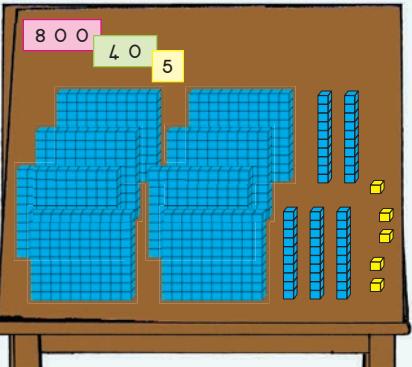
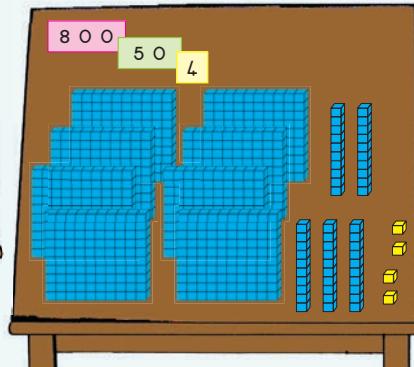
Ilanga:

Ithemu 4



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

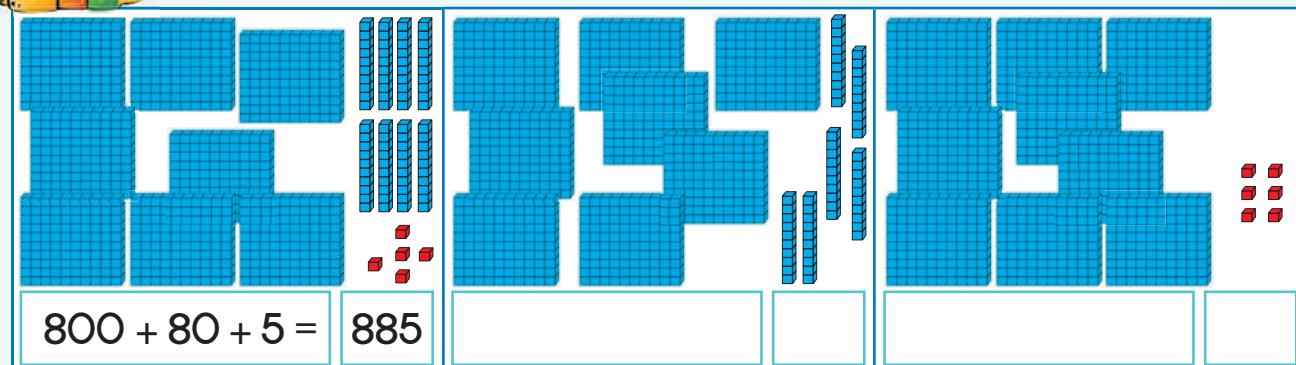
UBen utjengise lokhu.
Ngikuphi akwenzileko
okungakalungi?



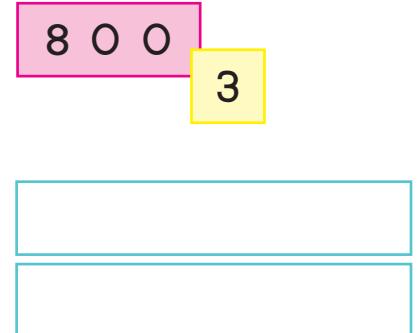
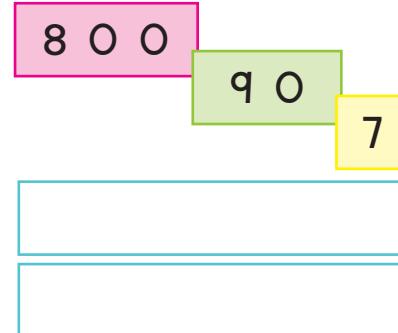
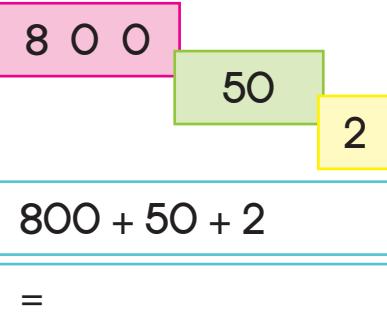
UPeter unekarada elilandelako lobukhulu
bedijidi kanye namabhlogo wamatjhumi
asisekelo.



Tlola umutjho weenomboro bese kulandele ipendulo yakho.



Tlola umutjho weenomboro kanye nependulo yakho.





Qedelela inambalayini.

889 890 891 900

Tlola zoke iinomboro ezincani kunenomboro 894. _____

Tlola zoke iinomboro ezikulu kunenomboro 894. _____



Tlola itshwayo < nanyana > =

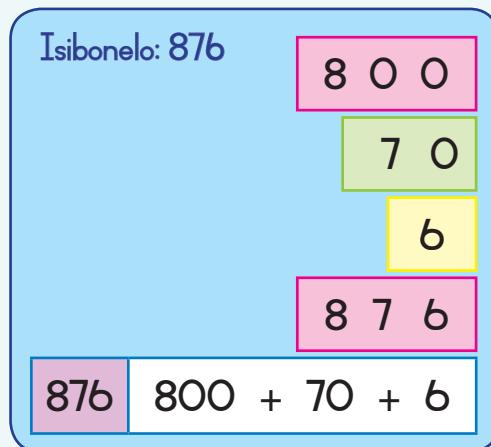
- a. 899 898 b. 802 820
c. $900 + 70 + 5$ 785



Hlephula kghedlha inomboro yakho.

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

890	
889	
802	
855	
840	



Tlola ngamagama.

889	
825	
803	
830	
899	



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: Ukuudla 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 iyoce 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.

 1,5 kg	 2,5kg	I-2,5 kg iyafana ne-2 kg kanye ne-500 g. Ngingatlolola njani ama-3,5 kg ngamakhilogramu nanyana ngamagramu? <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
---	--	---



Qedelela itheyibula.

Utitjhere wenu uzoninikela izinto ezhlanu ekuzokumele niziqale. Linganisa ubudisi bese niyazimeda.

Into	Ukulinganisa	Ukumeda	Umehluko hlangana kokulunganisa nokumeda



Imikhiqizo ikala kangangani?

Into Umkhqiqizo wokuthoma ukala 2 kg 500 g, umkhqiqizo wesibili ukala 1 kg 500 g kuthi wokugcina ukale 3 kg 500 g.



102b



Ilanga:

Ithemu 4

Asikale okhunye godu

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

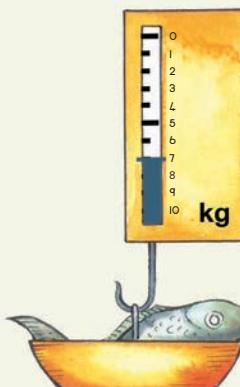
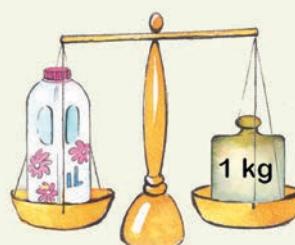
Ubudisi kulokha nakukalwa amandla wegravithi, okumamandla adosela izinto phasi. Amandla adosela izinto phasi mancani khulu enyangeni, okutjho kobana izinto zikala kancani khulu phezulu.

Ephasini sisebenzisa ngamalanga iinlinganiso ezifanako kumasi nanyana ebudisini.
Simedha/Silinganisa imasi ngamakhilogrammu kanye namagremu.

Inninganiso/Iinkala ezahlukenecho

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

Ilitha yamanzi inemasi eli-1 kg.

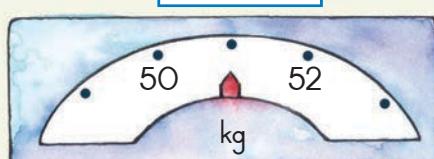
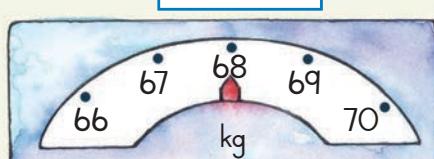
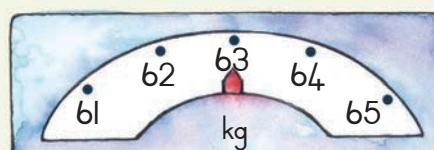
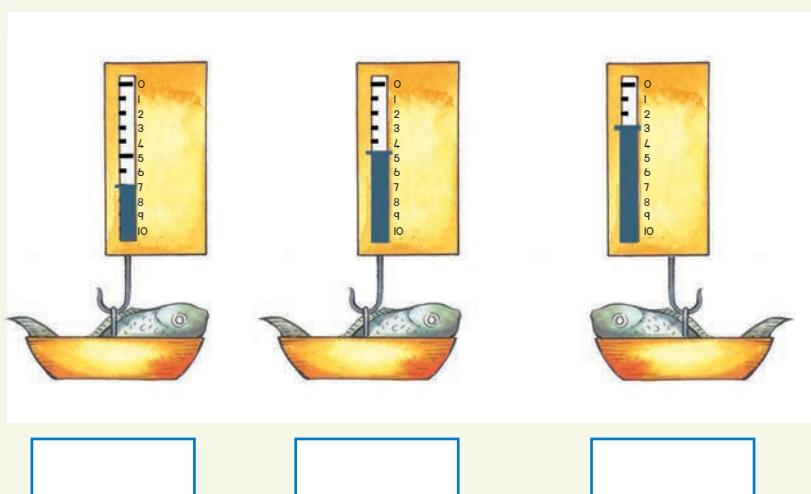


Ihlambi inobudisi obuma-3 kg.



Funyana ubudisi babo.

Tlola ubudisi ngamakhilogrammu atjengiswe kesinye nesinye
isikala sesipringhi ezilandelako.

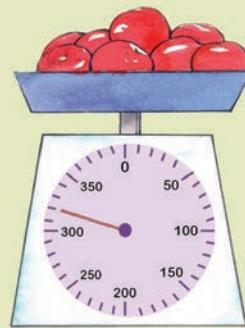




Sisebenzisa amagremu ukumeda imasi yezinto ezincani nanyana ezelula kanye nokumeda amacezu wamakhilogrammu.

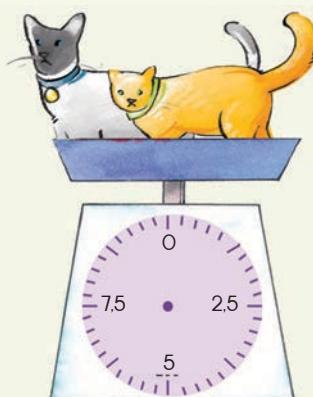
$$1000 \text{ g} = 1 \text{ kg}$$

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 ikhilogrammu.

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

- $125 \text{ g} + 250 \text{ g} + 125 \text{ g} + \underline{\hspace{2cm}} \text{ g} = 1000 \text{ g} (1 \text{ kg})$
- $50 \text{ g} + 30 \text{ g} + 240 \text{ g} + 60 \text{ g} + 100 \text{ g} + \underline{\hspace{2cm}} = 1 \text{ kg}$
- $57 \text{ g} + 46 \text{ g} + 243 \text{ g} + 334 \text{ g} = \underline{\hspace{2cm}} = 1000 \text{ g} (1 \text{ kg})$
- $50 \text{ g} + 90 \text{ g} + 160 \text{ g} + \underline{\hspace{2cm}} = 1000 \text{ g} (1 \text{ kg})$



103

Ilanga:

Tinomboro 900 kufika ku-1 000

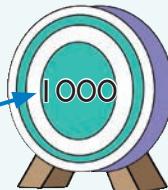
Ithemu 4



Bala bese uyatlola.

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

901		903							910
911								919	
913								948	
915									
917									



- 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.

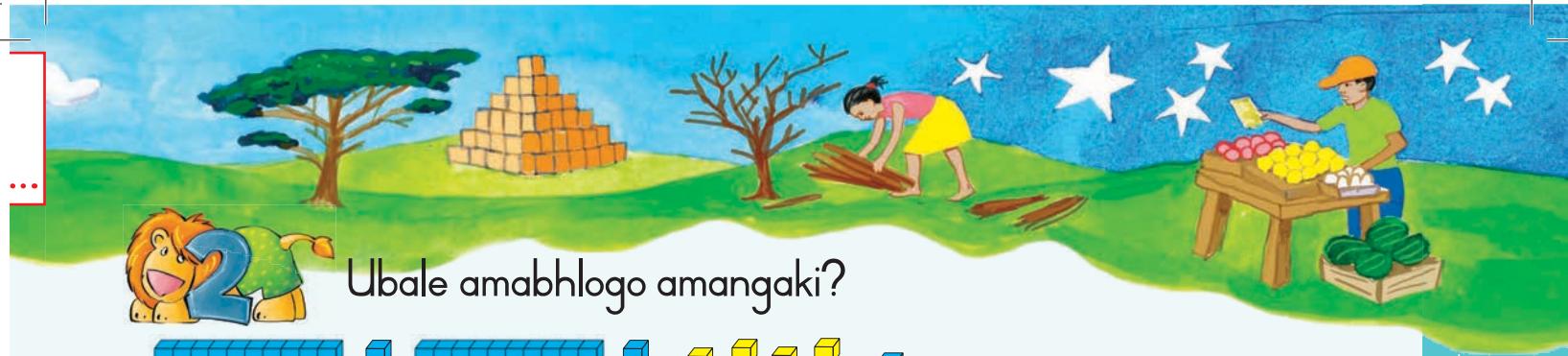
946; 948; 950; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

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

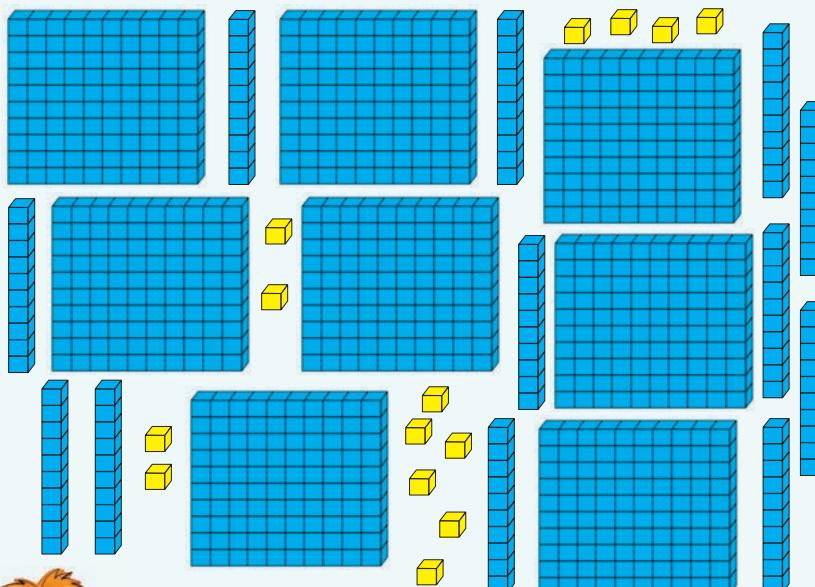
945; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 967

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

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



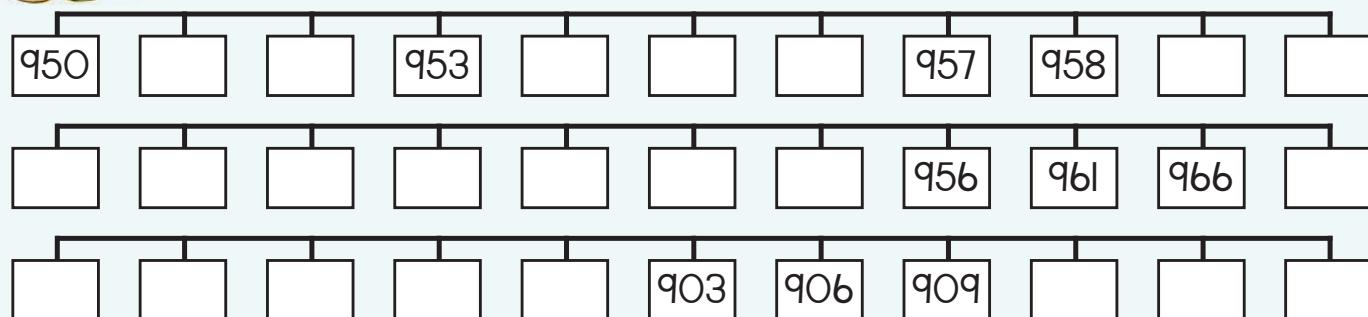
Ubale amabhlogo amangaki?



Uwabale njani amabhlogo?



Qedelela amanambalayini.



Qedelela
itheyibula.

Tlola ukusuka kencani khulu
kuye kekulu khulu

Tlola ukusuka kekulu khulu
uye kencani khulu

936, 933, 935, 931, 937

978, 907, 970, 917, 971



Teacher:
Sign:
Date:



Tlola okulandelako ngamagama.

695

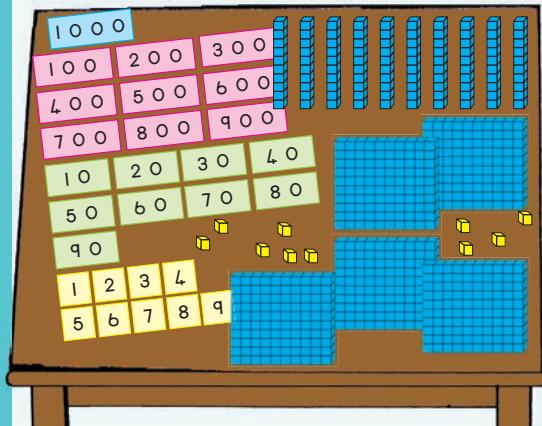
11 12 13 14 15 16 17 18 19 20

104

Ezinye iinomboro kusuka ku-900 kufika ku-1 000

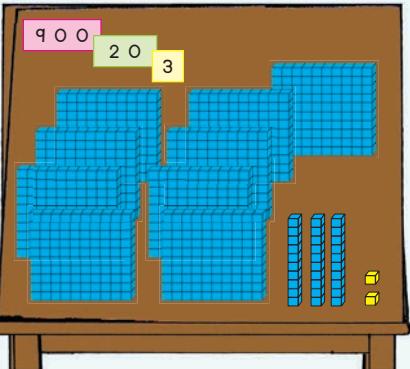
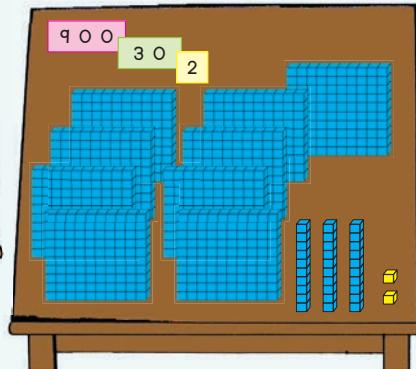
Ilanga:

Ithemu 4



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

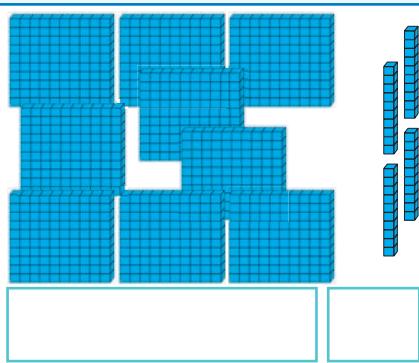
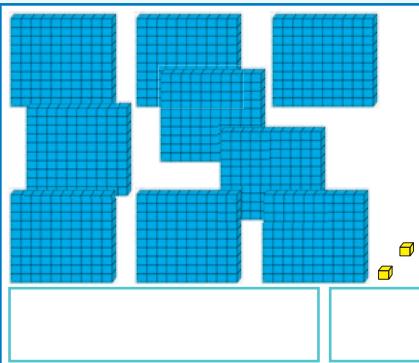
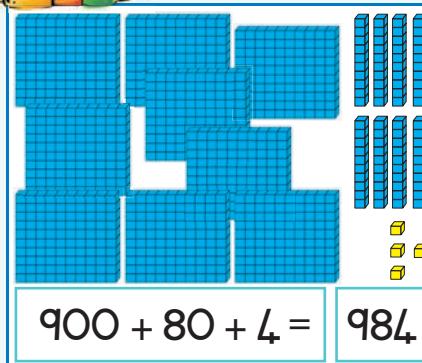
Lokhu ngokutjengiswe nguGugu.
Ngikuphi okungakalungi
akwenzileko?



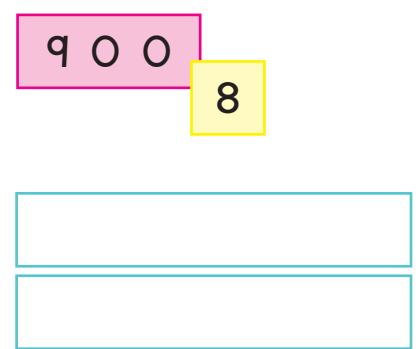
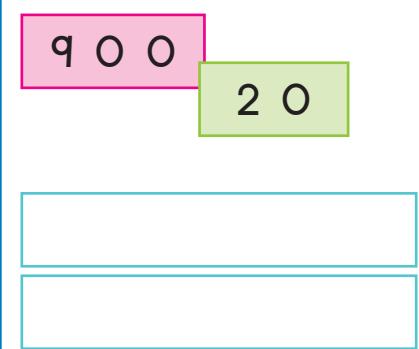
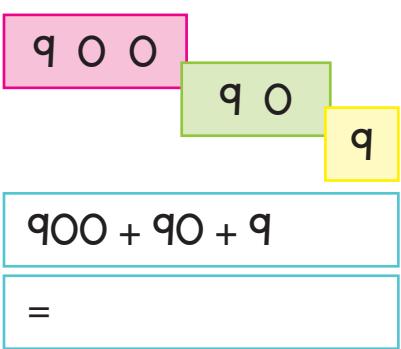
U-Andile unamakarada alandelako
wobukhulu bedijidi kanye namabhlogo
wamatjhumi asisekelo.



Tlola umutjho weenomboro bese utlola ipendulo.



Tlola umutjho weenomboro bese utlola ipendulo.





Qedelela inambalayini.

q8q	qq0	qq1								qqq
-----	-----	-----	--	--	--	--	--	--	--	-----

Nikela zoke iiomboro ezincani kune - 995.

Nikela zoke iiomboro ezikulu kune - 995.



Qedelela ngetshwayo < nanyana > =.

- a. qqq _____ q98 b. 957 _____ 975
c. 900 + 60 + 1 _____ 961

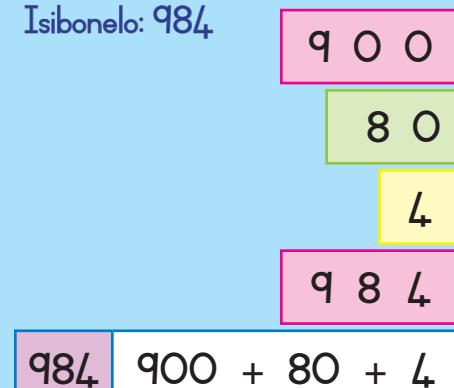


Hlephula kghedlha inomboro yakho.

- a. Yakha enye nenyе inomboro ngamakarada wakho.
b. Tlola ubungako bedijidi. Kwanje yenza lokhu: Kghedlha/Hlephula inomboro yakho.

922	
959	
980	
907	
931	

Isibonelo: 984



Tlola amabizo weenomboro.

976	
905	
950	
821	
909	



11 12 13 14 15 16 17 18 19 20

105

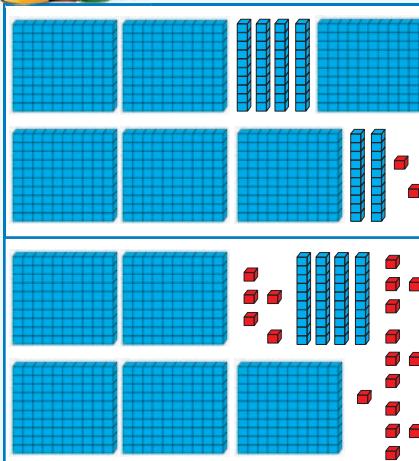
Ukuhlanganisa nokukhupha kufika ku-qqq

Ilanga:

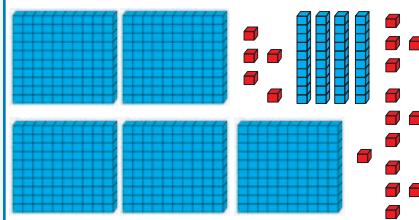
Ithemu 4



Tlola umutjho weenomboro kilokhu okulandelako.



Hlathulula kobana uwabale njani amabhlogo?



Hlathulula kobana uwabale njani amabhlogo?



Sebenzisa isibonelo ukuze sikuhlahle.

5 0

5 0

U-50 nakabuyeletwe kibili
ipendulo li-100.

3 0 0

3 0 0

2 0 0

2 0 0

3

3



Sebenzisa pheze okubuyeletwe kibili ukurarulula okulandelako.
Sebenzisa isibonelo ukuze sikuhlahle.

a. $43 + 44 =$

buyelela kibili $43 + 1$

$43 + 43 + 1 = 87$

b. $81 + 41 =$

c. $40 + 41 =$

d. $66 + 67 =$



Sebenzisa okubuyelelwe kibili nanyana
okuseduze kokubuyelelwe kibili ukurarulula
okulandelako. Sebenzisa isibonelo ukuze sikuhlahle.

a. Inomboro ema-340 nayibuyelelwe kibili
 $= 340 + 340$
 $= \text{Buyelela kibili } 340 + 1$
 $= 300 + 300 + 40 + 40 + 1$
 $= 600 + 80 + 1$
 $= 681$

b. $340 + 341$
 $= \text{Buyelela kibili } 340 + 1$
 $= 300 + 300 + 40 + 40 + 1$
 $= 600 + 80 + 1$
 $= 681$

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



Ilanga lokubhaga.

Ukghari uPhindi ubhaga uburotho nge-ovenini yakhe.

Tjengisa isikhathi emawatjhini alandelako.

Ukhupha uborotho lokha imizuzu imihlanu
ngemva kwe-iri lesihlanu.

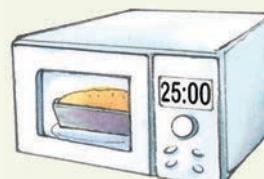
Ukhupha uborotho nge-ovenini lokha imizuzu
imihlanu ngemva kwe-iri lesihlanu.

Uburotho buthatha isikhathi esingangani ukuvuthwa?



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

Kwanje isikhathi sithi 16:30. Qala isikhathi sokupheka esibekwe
ewatjhini 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	Ukuqedu	Kuthatha isikhathi esingangani?
Isidlo sekuseni	6:15	6:40	
Ukuhlanza izitja	7:20	8:05	
Ukuhlwengisa ikhwitjhi	8:20	9:15	
Ukuhlwengisa indlwana yokuhlambela	10:00	10:25	
Ukuhlwengisa amakamero	11:30	12:15	



Ukuthelelela isivande.

Iphayiphi lokuthelelela lingasebenzisa amalitha ama-30 ngomzuzu munye!

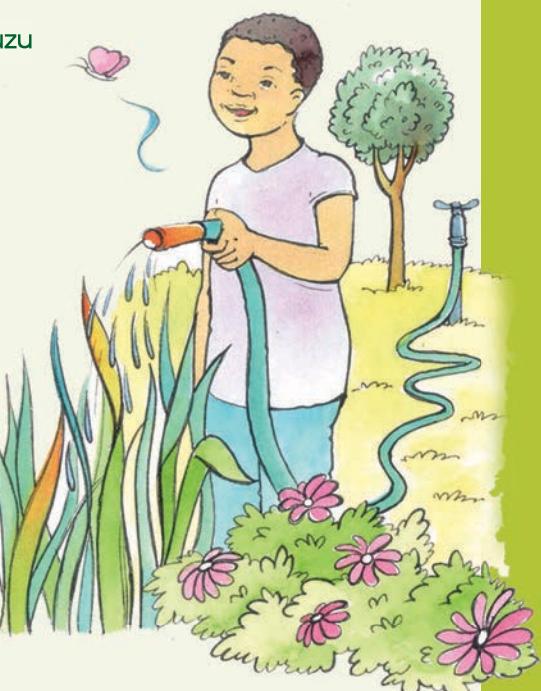
Malitha amangaki wamanzi angasetjenziswa liphayiphi:

Emizuzwini emi-2, amalitha _____.

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

Emizuzwini emi-5, amalitha _____.

Emizuzwini eli-10, amalitha _____.



Ukupheka isitjulo.

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

Utlola phasi kobana usebenzisa amafutha wokupheka angangani ngelanga.

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

a. Usebenzisa amamililitha (ml) amangaki we-oli kusukela ngoMvulo kufikela ngoMqqibelo?

_____ ml

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

c. Ibholdele elilodwa lesilinganiso sa-750 samamililitha (ml) libiza ama-R18,50.

Amabhollelo ama-4 abiza malini? _____.



Hlolisa!
Madanisa!
Lungisa!



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Ilanga:

Ukusebenza ngemali

Ithemu 4



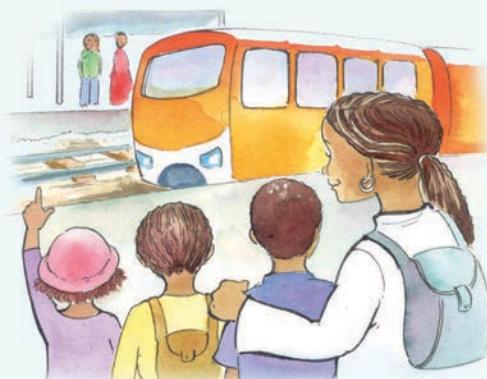
Bala imali yesimbi/emuwuwa kanye neyamaphepha.

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



Ikhampo ngesitimela.

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

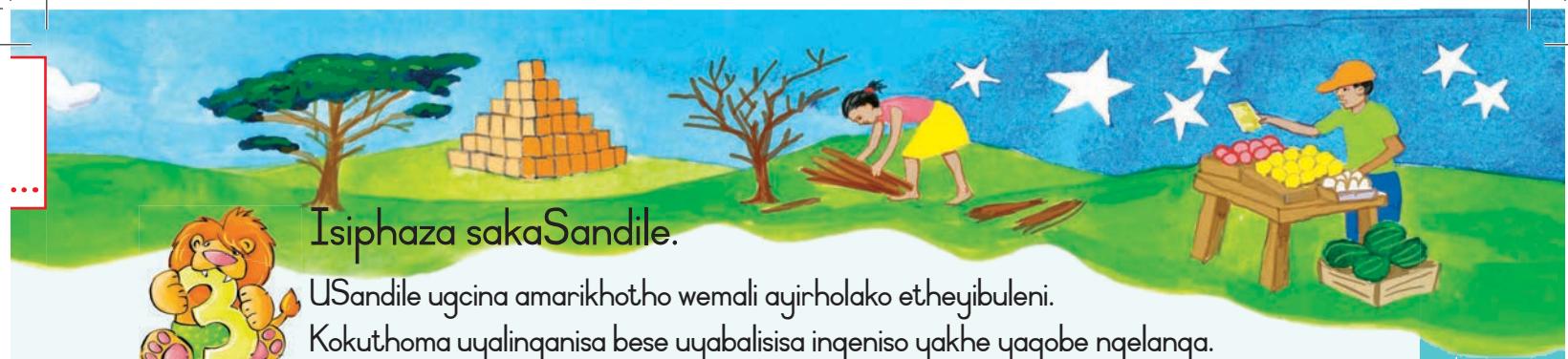


Ufunyana itjhentjhi ema-R30.

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

- a. R90 b. R32 c. R80 d. R45,50

Hlolisa!
Madanisa!
Lungisa!



Isiphaza sakaSandile.

uSandile ugcina amarikhetho wemali ayirholako ethheyibuleni.

Kokuthoma uyalanganisa bese uyabalisia ingeniso yakhe yaqobe ngelanga.

Ingeniso yimali esiyirholako nanyana esiyifunyanako. Siza uSandile ukuqedelela ukubalisia kwakhe. Tlola iimpendulo zakho ngetheyibuleni:

		Ukulunganisa	Inani
NgoMvulo	R50 + R75 + R200 + R350 + R25		
NgeLesibili	R25 + RI75 + R50 + R320 + R90		
NgeLesithathu	R50 + R75 + R200 + R350 + R25		
NgeLesine	RI20 + R55 + RI80 + R245 + R25		
NgeLesihlanu	R60 + RI50 + RI40 + R200 + RI25		
NgoMgqibelo	R50 + R75 + R200 + R350 + R25		
NgoSondo			



Bala kobana yimalini itjhentjhi.

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

Isibonelo: UPalesa uthenga ukudla ngemali ema-R87,50 Ubhadela ngemali eliphepha ema-R200. Yimalini itjhentjhi yakhe?	$ \begin{array}{cccc} + 50c & + R2 & + R10 & + R100 \\ \text{R87,50} & \text{R88} & \text{R90} & \text{R100} \\ 50c + R2 + R10 + R100 = R12,50 \text{ Itjhentjhi} \end{array} $
--	---

Sebenzisa amanambalayini ukuze akusize ukubala itjhentjhi.

Iindleko: R229,40 Bhadela ngama-: 	
Iindleko: R305,60 Bhadela ngama-: 	



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Okhunye ukuhlanganisa kanye nokukhupha bekufike ema-qqq

Ilanga:

Ithemu 4



Asirarulule isibalo.

UGugu ubuthelele iintika ezima-234

UMandla umuphe ezinye ezima-501

Kwanje uGugu sele aneentika ezingaki?

Uthini umbuzo?

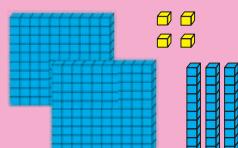
Kwanje sele aneentika ezingaki?

Lithini igama eliqakathekileko? ezingezelelweko

Zithini iinomboro? 234 ne-501



Lokhu kwensiwe nguLisa
ukurarulula isibalo sakaGugu.

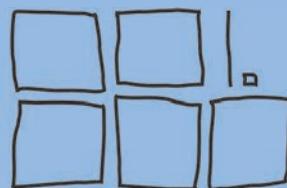


Asitjengise lokhu ngamabhlogo wethu
asisekelo wamatjhumi.



U-Aakar wenze lokhu.

Wenze umgwalo.



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

Sebenzisa inomboro emrarweni ukusombulula okungenzasi ngeendlela ezimbili ozifundileko bekube nje.

Indlela yoku-1

Indlela yesi-2



Imisebenzi eyenziwa ekuseni.

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

Uthini umbuzo?

Zithini iinomboro?	Lithini igama eliqakathekileko? Thika ipendulo ekungiyo. 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 ekungiyo. Igama eliqakathekileko listjela kobana: Hlanganisa Khupha
Yenza umgwalo.	Sebenzisa indlela yakho ukuveza isisombululo.



10q

Okhunye ukuhlanganisa nokukhupha ukufika ku-qqq

Ilanga:

Ithemu 4

Qala imigwalo bese uyahlathulula.



Qedelela okulandelako.

- 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 nakangezelwe nge-12
_____.
- b. Ama-540 nakaphungulwe nge-15
ipendulo _____.
- c. Ama-576 nakangezelwe 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 nakabuyelwelwe kibili ipendulo
_____.
- h. Ihafu yaka-600, ipendulo-
_____.

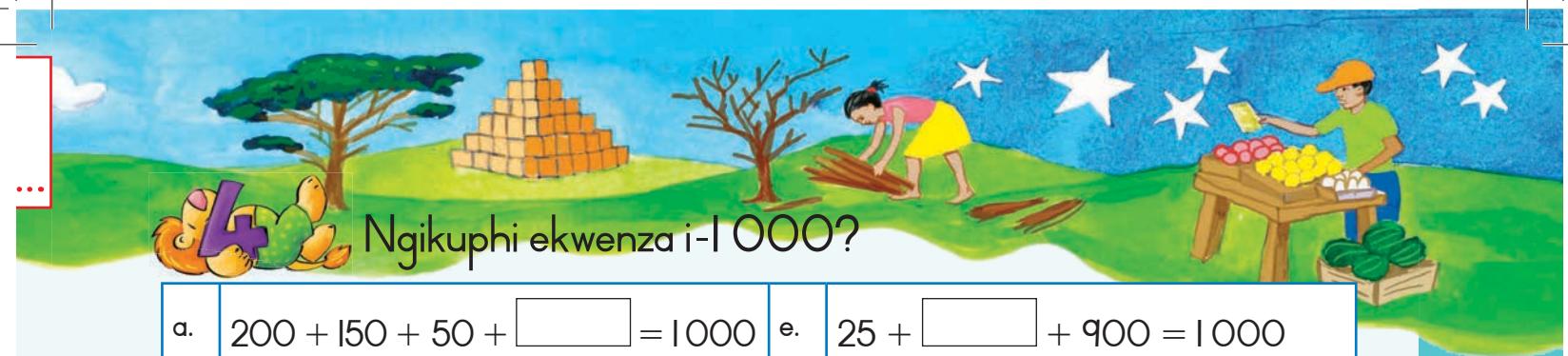


Hlanganisa
ne-125.

200
150
125
250
400



325



Ngikuphi ekwenza i-1000?

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

Funyana iminden'i yeenomboro yoku- + kanye neyoku-.

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



$123 + 77 = \boxed{}$	$\boxed{} - 77 = 123$	$\boxed{} - 123 = 77$
$650 + \boxed{} = 800$	$800 - 650 = \boxed{}$	$\boxed{} + 650 = 800$
$1000 - 250 = \boxed{}$	$1000 - \boxed{} = 250$	$250 + \boxed{} = 1000$
$56 + \boxed{} = 300$	$300 - \boxed{} = 56$	$\boxed{} + 56 = \boxed{}$
$820 + \boxed{} = 1000$	$1000 - \boxed{} = 820$	$1000 - 820 = \boxed{}$

Hlolisa!
Madanisa!
Lungisa!



Hlanganisa bewususe amatjhumi kanye namakhulu.

a. Amatjhumi 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. Amatjhumi apheleleko (Ukubuyabuyeleta 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:

$$925 + 53 = \boxed{} \quad 571 + 202 = \boxed{} \quad 786 + 75 = \boxed{} \quad 903 + 95 = \boxed{}$$



11 12 13 14 15 16 17 18 19 20

110

Amaphazeli wokumeda/wokulinganisa

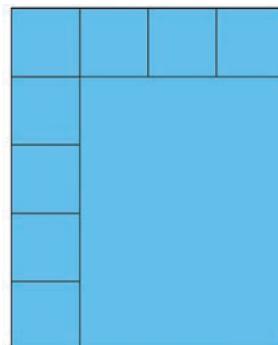
Ithemu 4



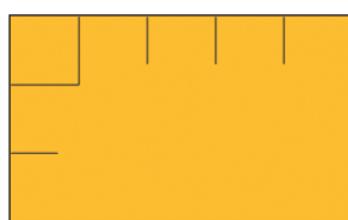
Funyana i-eriya.

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

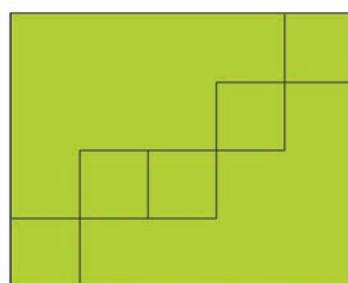
a.



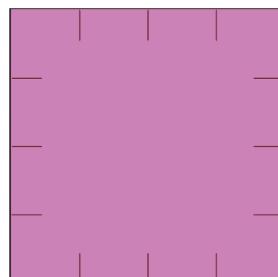
b.



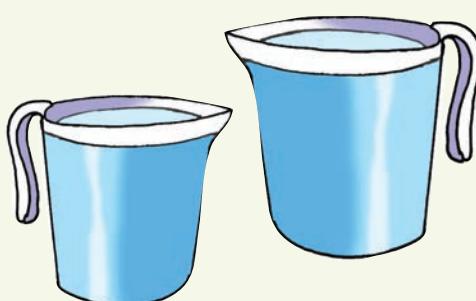
c.



d.



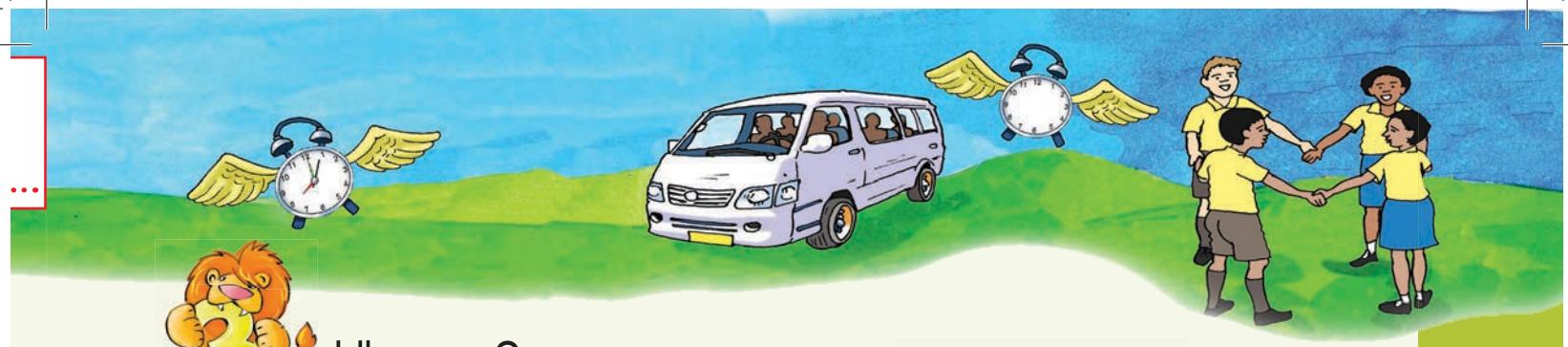
Rarulula isirarejo.



Ufuna ukumeda amalitha wamanzi ama-4 poro.

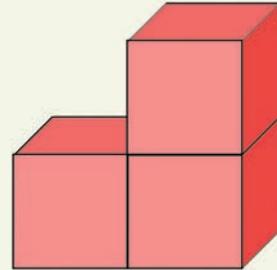
Uneemumathi ezimbili kwaphela: esinye simumatha amalitha ama-3 bese kuthi esinye simumathe amalitha ama-5. Wenza njani?

Umtlhala: okungenani kuneendlela okungizo ezimbili.



Ubona ini?

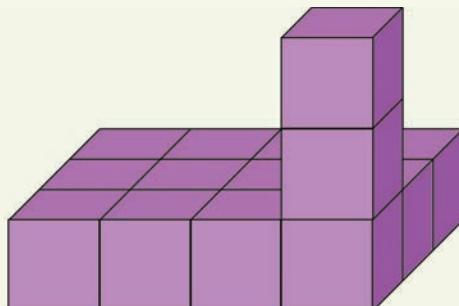
Amabhlogo amathathu ananyathiselwe ndawo yinye njengesithombeni.



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



Bala amakhyubhu.



Makhyubhu amangaki enze ijamo elilandelako?



Isitjhijilo: isirarejo sesikhathi

Uneensetjenziswa ezimbili ezicupha isikhathi.

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

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

Hlolisa!
Madanisa!
Lungisa!



11 12 13 14 15 16 17 18 19 20



Ilanga:



Amaphetheni weenomboro: amatjhumi ukufika ku-900

Ithemu 4

Asibale ngokulitjhumi 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: _____



Balisasa.

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 enyandeneni 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 $20 \times 10 =$ _____

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

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



Ziinyanda ezingaki?

Iingojwana ezima-700 zibopha iinyanda _____.

Iingojwana ezima-900 zibopha iinyanda _____.

Iingojwana ezili-1 000 zibopha iinyanda _____.



II2

Ilanga:

Ukutjhideza eduze ne-10

Ithemu 4

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



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

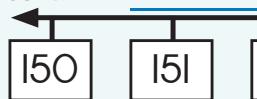


Tjhideza eduze kwe-10.

U-II4 nakatjhidezwe eduze kuba?



U-159 nakatjhidezwe eduze kuba?



U-II7 nakatjhidezwe eduze kuba?



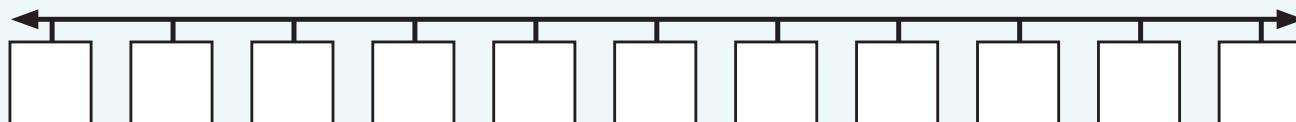
U-151 nakatjhidezwe eduze kuba?



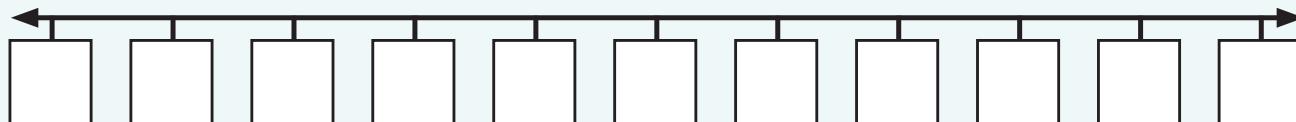
Tjhideza eduze kwe-10.

Zigwalele inambalayini yakho.

I95



945



Ukutjhideza eduze kwe-10.



Ngaphambi kokutjhideza:

- Tlola phasi kobana ngiziphi iinomboro ezimbili ezimatjhumi otjhideza duze nazo.
- Tjengisa nge → kobana inomboro ekutjhidezwa kiyo ikuphi kunambalayini.

a. U-128 nakatjhidezwe eduze kwetjhumi kuba-I30



b. 877



c. 901



d. 566



e. 999



Tjhideza iinomboro ezilandelako eduze kwe-10.

- | | | | | | | | | | |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| a. 161 | <input type="text"/> | b. 583 | <input type="text"/> | c. 415 | <input type="text"/> | d. 848 | <input type="text"/> | e. 612 | <input type="text"/> |
| f. 230 | <input type="text"/> | g. 327 | <input type="text"/> | h. 989 | <input type="text"/> | i. 534 | <input type="text"/> | j. 748 | <input type="text"/> |



Ngithoga ama-RIO wephepha amangaki?

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

Ukungena emasangweni kubiza ama-R4 umuntu ngamunye. UMbali wabulunga imali ukuze abhadalele abangani bakhe. Waya emtjhinini we-ATM ukuze adose imali.

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



11 12 13 14 15 16 17 18 19 20

II3

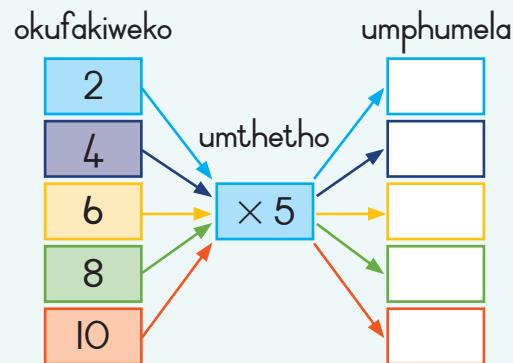
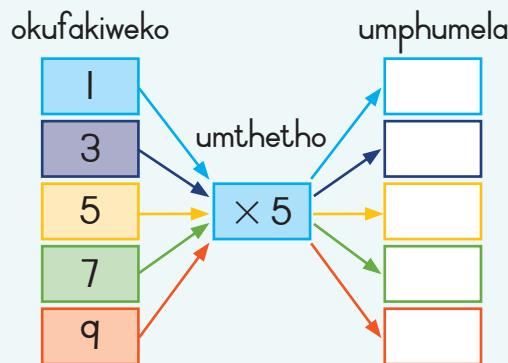
Ukubuyabuyelela nokuhlukanisa: ngakuhlanu ukufika ku-100

Ilanga:

Ithemu 4



Qedelela umgwalo owehlako.



Qedelela itheyibula engenzasi:

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



Balisisa:

$$12 \times 5$$

$$= (10 + 2) \times 5$$

$$= 50 + 10$$

$$= 60$$

$$11 \times 5$$

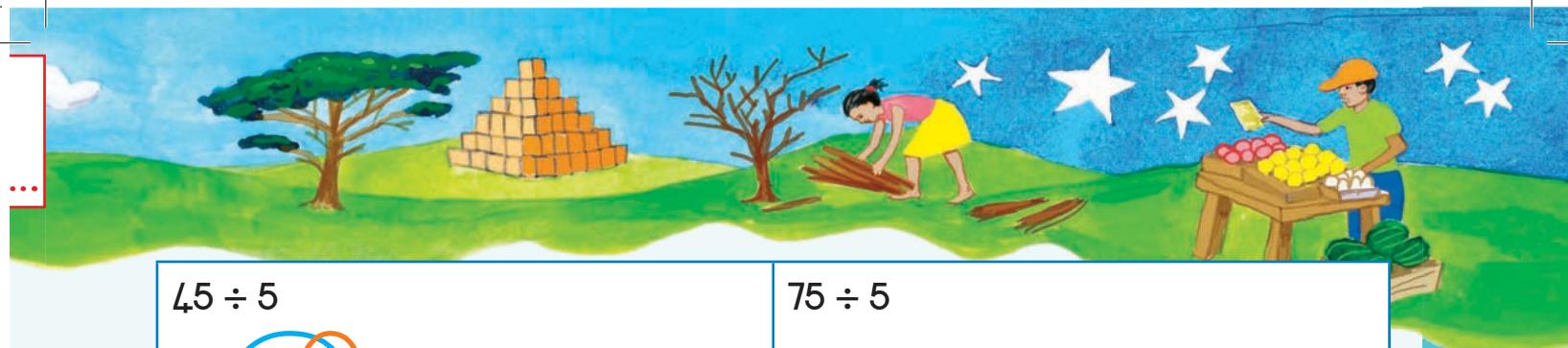
$$13 \times 5$$

$$= (10 + 3) \times 5$$

$$= 50 + 15$$

$$= 50 + 10 + 5$$

$$= 65$$



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= q$$

$$75 \div 5$$

$$48 \div 5$$

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

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

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

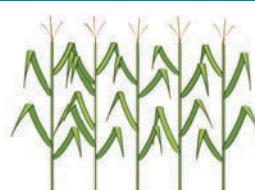
$$= q \text{ rem } 3$$

$$13 \div 5$$



Rarulula imiraro elandelako:

Isivande semirorho sinemida eli-14 yeentjalo.

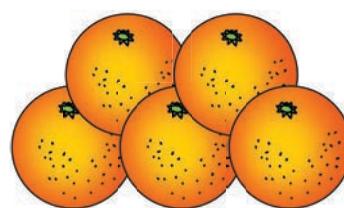


Umuda omunye nomunye unenani elilinganako leentjalo.

Nangabe inani loke lima-70 weentjalo, emuden i ngamunye kuneentjalo ezingaki?

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

Unama-orentji ama-85.



Mangaki ama-orentji angazalisa umgodla?



Amaphetheni weenomboro: ngakuhlanu bekufike ku-1 000

Ithemu 4

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:	



Balisa.

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-l 000.

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



Qedelela ngeenomboro ezitlhayelako.

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



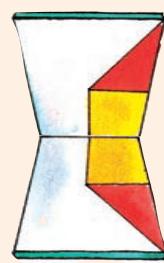
Qedelela amaphetheni.

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





Okhunye okufanako mahlangothi womibili



Isiboniboni, isiboniboni.

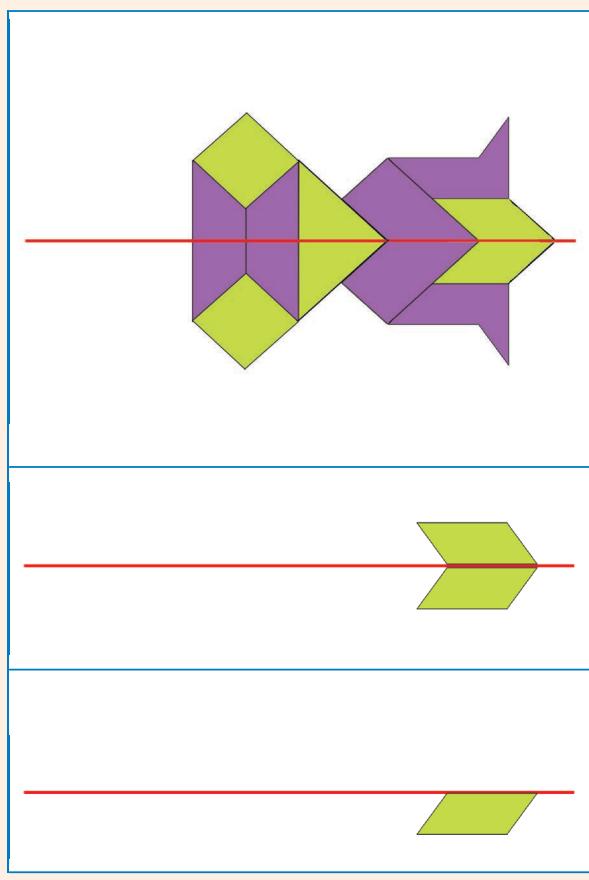
Dlala nomngani wakho nisebenzise enye yamasede
wanaphazeli womathayili (aneenqethana ezili-14) kiboSika 10.

Umdali ngamunye uneenqethana ezizoba yihafu (ininqethana ezili-7) zamajamo wanaphazeli.
Akukamel i kobana abadlati bobe neenqethana ezifanako. Gwala umuda phokathhi naphakathi
kwephapha. Umudlo uzokuba "mumuda wokubuyisa".

Umdali wokuthoma ubeka isiqethana sakhe eduze komuda.

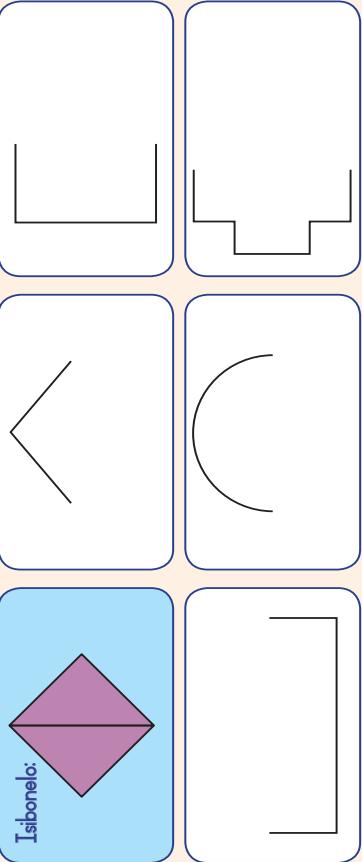
Umdali wesibili ubeka ukubuyisa kwakho ngakelinye ihlangothi lomuda. Kumele isiqethana sitintse
umuda nangana elinye ijamo ese libekiwe.

Ragauye phambili bekufike lapha sewusebenzise zoke iingqethana.

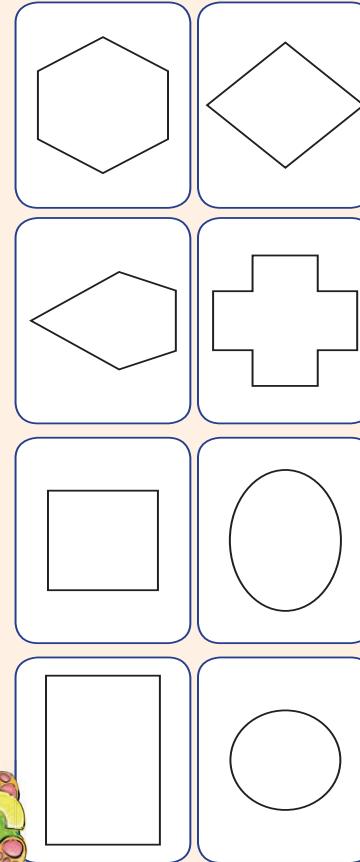


Gwala elinye ihlangothi lejamo.
Ngemva kwalapho tjengisa umuda otjengisa uku fana mahlangothi wole.

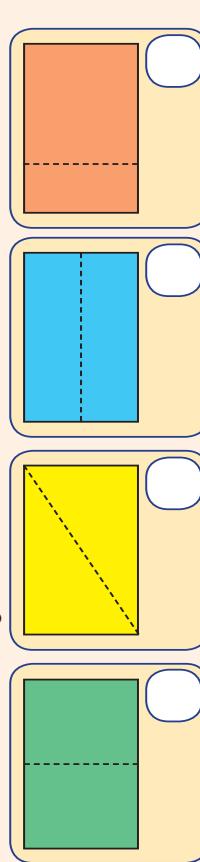
Isibonelo:



Gwala umuda otjengisa uku fana mahlangothi womibili
wokulandelako:



Thika amajamo anemida enembako efana
mahlangothi womibili.



Amaphetheni weenomboro: ngakubili bekufike ku-900.

Asibale ngakuhanu ukusuka ku-802 bekuftike 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

Tinomboro ezindulungelweko zitjengisa amaphetheni maphi?
Balisasa.

Ezindulungelwe ngokuhlaza soshakhakkha:	Ukubala ngaku _____
Tola phasi iphetheni:	Ukubala ngaku _____
Ezindulungelwe ngokuhlaza satjani:	Ukubala ngaku _____
Tola phasi iphetheni:	Ukubala ngaku _____

16

Itemu 4



Tinomboro ezingalingalinganiko
kanye nezilingalinganiko.

a. Gwala u-(X) eduze kweenomboro ezingalingalinganiko kanye netshwajo (✓)
eduze kweenomboro ezingalingalinganiko.

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

b. Phendula ngokuthi ziyalalingana nanyana azilingalinganici.
Newuhlanganisa iinomboro ezimbili ezilingalinganiko, ufunyana ipendulo eyinomboro
Hlanganisa iinomboro ezimbili ezilingalinganiko, ufunyana ipendulo eyinomboro
Newuhlanganisa iinomboro ezintathu ezingalingalinganiko, ufunyana
ipendulo eyinomboro _____



4 Ulukujala imithi.

Lengenyę yeendella zakutjala imithi ema-48 ngemarejini alinganako.



Singatlolanje: $2 \times 24 = 48$ (Imida emi-2 yemithi ema-24 = 48) nanyana $48 \div 2 = 24$.
(Imithi ema-48 erhenjiswe ngemida emi-2 elingandako iba mimithi ema-24 emudenii ngamunye).
Bala Imida kanye nemithi kesinyę nesinye Tsithombe. Tola u X karue no-÷ wemijho
yeenomboro ukumadanisa.

a. _____ \times _____ = _____	b. _____ \times _____ = _____	c. _____ \div _____ = _____	d. _____ \div _____ = _____
_____ \div _____ = _____	_____ \div _____ = _____	_____ \div _____ = _____	_____ \div _____ = _____
_____ \times _____ = _____	_____ \div _____ = _____	_____ \div _____ = _____	_____ \div _____ = _____
_____ \div _____ = _____	_____ \div _____ = _____	_____ \div _____ = _____	_____ \div _____ = _____

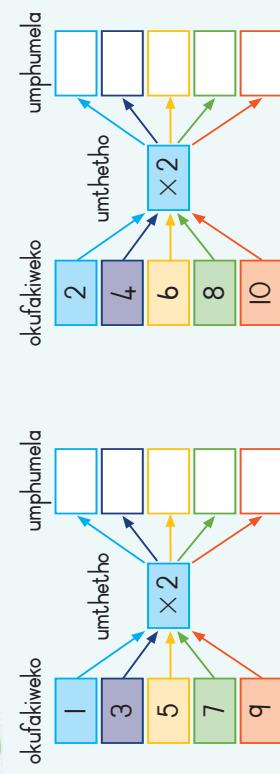
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

1 2 3 4 5 6 7 8 9 10

Ukuhlojwuya yelala nokuhlukanisa: ngakubili bekufike ku-100

Qedelela umgawalo wesiswebu.



Qedelela ithejibula engenzasi.

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



Balisisa:

$$11 \times 2$$

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

$$22 \times 2$$

$$\begin{array}{r} (10+8) \times 2 \\ = 20 + 16 \\ = 36 \end{array}$$

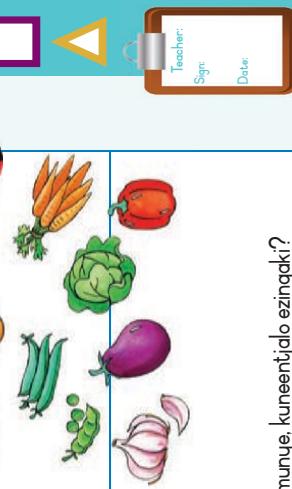
1	12	13	14	15	16	17	18	19	20
---	----	----	----	----	----	----	----	----	----

$$4b \div 2$$

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

$$47 \div 2$$

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



Rarulula umraro olandelako:

Isvande semiorho sinemida ema-32 yeenjalo.

Umda omunye nomunye uneentjalo ezi-2.

Kuneentjalo ezingaki esivandeni?

Isvande sinemidda ema-40 yeenjalo.

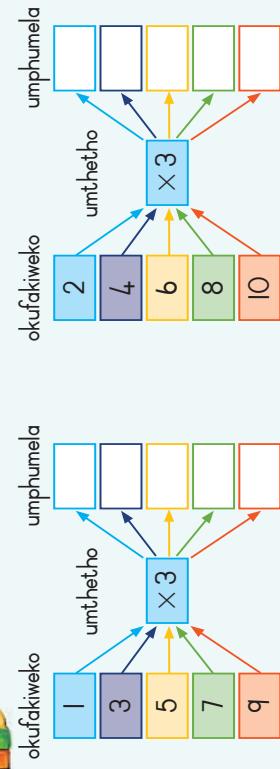
Umda omunye nomunye uneentjalo ezilinganako.

Nangabe kunenani leentjalo ezima-80 emuden'i ngamunye, kuneentjalo ezingaki?

1	12	13	14	15	16	17	18	19	20
---	----	----	----	----	----	----	----	----	----

Ukubuyabuyelela kanye nokuhukanisa ngakuthathu bekufike ku-100

Qedelela umgqalo wesiwебу.



Qedelela itheyibula engenzasi:

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



Balisisa:

12×3	11×3
$= (10 + 2) \times 3$ $= 30 + 6$ $= 36$	$= (10 + 1) \times 3$ $= 30 + 3$ $= 33$

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

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



Tleng:

$$63 \div 3$$

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

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

$$= 20 +$$

$$= 21$$

$$96 \div 3$$

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

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

$$= 20 +$$

$$= 21$$

$$65 \div 3$$

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

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

$$= 20 + 1$$

$$= 21$$

$$98 \div 3$$

$$(60 + 8) \div 3$$

$$(60 \div 3) + (8 \div 3)$$

$$= 20 + 2$$

$$= 21$$



11

Amaphefheni 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

Itshemu 4

Tlongo:

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
					931	933	934		936	937
					942	943	945	946		948
					951	952	954	955	957	958
						961	963	964	966	967
						972	973	975	976	
						981	982	984	985	987
						991	993	994	996	997
										999 1 000

Zindulungelwe zitjengisa amaphetheni maphi?
Tola phasi iphefheni:
Ezindulungelwe ngokuhlaza satjani:
Tola phasi iphefheni:
Ezindulungelwe ngokuhlaza satjani:
Tola phasi iphefheni:



- Ezindulungelwe ngoku-orientji: Ukkubalangaku _____.
 Tola phasi iphefheni: Ukkubalangaku _____.
 Ezindulungelwe ngokuhlaza satjani: Ukkubalangaku _____.
 Tola phasi iphefheni: Ukkubalangaku _____.



Balisisa.

- a. $873 + 3 + 3 + 3 =$ _____ b. $824 - 3 - 3 - 3 =$ _____ c. $84 + 3 + 3 =$ _____
 d. $837 - 3 - 3 - 3 =$ _____ e. $889 + 3 =$ _____ f. $846 - 3 - 3 =$ _____
 g. $802 + 3 + 3 + 2 =$ _____ h. $89 - 3 =$ _____ i. $880 - 3 - 3 - 3 =$ _____

- a. Hlanganisa nabo-4 abane ku-98. 984, 987, 990, 993
 b. Hlanganisa abo-5 abahlanaku-973. _____
 c. Khupha abo-4 abane ku-975. _____
 d. Khupha abo-3 abathathuku-947. _____
 e. Hlanganisa nabo-2 ababili ku-932. _____

- Tola iiomboro ezitlhayelako.
 Khalara amabhlogo weenomboro ezitlhayelako ngokuhlaza satjani. Khalara ibhoksi
 elimkhophie elineenomboro ngaphakathi ngombalu abovu. Ubona iphetleni yiphi?



Tola iiomboro ezitlhayelako.

- Teacher:
 Sign: _____ Date: _____

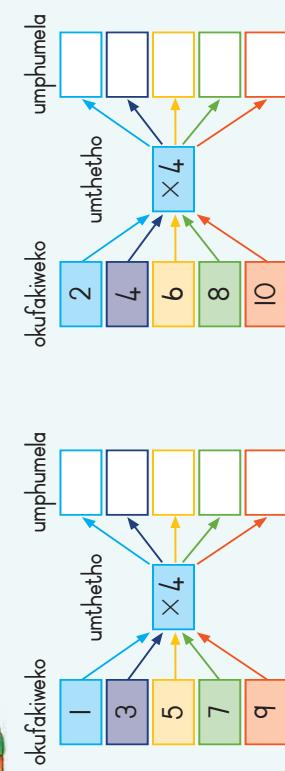
11 12 13 14 15 16 17 18 19 20



Langa:

Ukubuyabuyelala nokuhukonisa ngakune bekufike ku-100

Qedelela umgwalo wesiswetu.



Qedelela ithejibula engenzasi:



\times	1	2	3	4	5	6	7	8	9	10
4										
12	12	24	36	48	60	72	84	96	108	120
13	13	26	39	52	65	78	91	104	117	130
14	14	28	42	56	70	84	98	112	126	140
15	15	30	45	60	75	90	105	120	135	150
16	16	32	48	64	80	96	112	128	144	160
17	17	34	51	68	85	102	119	136	153	170
18	18	36	54	72	90	108	126	144	162	180
19	19	38	57	76	95	114	133	152	171	190
20	20	40	60	80	100	120	140	160	180	200

Itshemu 4



UTony unamaswidi ama-36.
Udla amaswidi amane ngelanga.
Ammaswidi la anggawalla ngamalanga amangaki?

UDavid uthengisa iphakethe enama-orientji amane ngaphakathi.
Unama-orientji ama-88.
Angabopha amaphakethe amangaki wama-orientji?

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



Balisisa:

11×4

$$\begin{array}{r} (10+1) \times 4 \\ = 10 \times 4 + 1 \times 4 \\ = 40 + 4 \\ = 44 \end{array}$$

15×4

$$\begin{array}{r} (10+3) \times 4 \\ = 10 \times 4 + 3 \times 4 \\ = 40 + 12 \\ = 52 \end{array}$$



Rarulula imiraro elanddelako:



UTony unamaswidi ama-36.
Udla amaswidi amane ngelanga.
Ammaswidi la anggawalla ngamalanga amangaki?

UDavid uthengisa iphakethe enama-orientji amane ngaphakathi.
Unama-orientji ama-88.
Angabopha amaphakethe amangaki wama-orientji?

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

121

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

Ithemu 4

Ibhodi leenomboro 901 kufika e-1 000.

901	902	903	904	905	906	907	908	909	910
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 ezithayelako.

Khalara amabhlogg weenomboro ezithayelako ngokuhlaza satjani. Khalara ibhoksi elimhlophe elineenomboro ngaphakathi ngembalala obovu. Ulbona iphetleni yiphni?



Qedelela amaphetheni.

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.

11 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Ezindulungelwe ngokuhlaza satjani:	Ulkubala ngaku _____.
Tlola phasi iphetleni:	Ulkubala ngaku _____.
Ezindulungelwe ngokuphephuli:	Ulkubala ngaku _____.



Tlola phasi iphetleni.

Tlola phasi iphetleni.

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. $847 - 3 - 3 - 3 =$ _____



Iingcenyę ezilinganako zokupheleleko

Okupheleleko, ihaftu, nanyana ungasika ngayiphi indlę.

Sika ukhuphe aboncanthathu
ephepheni elkhalariewo (kusikal).



Linga indlę ezingcenyę ezahlukeneko zokwenza okupheleleko-ihaftu.

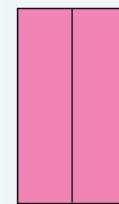
1. Bhinca iphepha elijyrektengela ngobude libe yihafu.

Sika iphepha lelo libe yihafu lapha ubhince khona.

Elinye nelinyę icezu linobukhulu obulingana patsi.

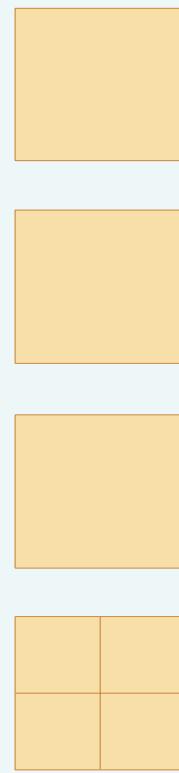
Elinye nelinyę icezu yihafu ($\frac{1}{2}$) yerekthengela.

2. Bhinca elinje iphepha elijyrektengela libe yihafu
ngelangothi ellutjihama. Sika iphepha libe yihafu lapha
ubhince. Elinye nelinyę icezu yihafu yesiqetjhana sephephä
ekuthonywe ngas.



Amasametjisi wesidlo semini.

UThabo nabangani bakhe aba-3benza amasametjisi amanenqı
abazowadla ngesidlo semini. Bawasika abe makota. Okujho
kobara bawasika abe macezu ama-4 alinganako. Nasi enyę
indlę. Tengisa indlę ezi-3 ongenza lokhu.



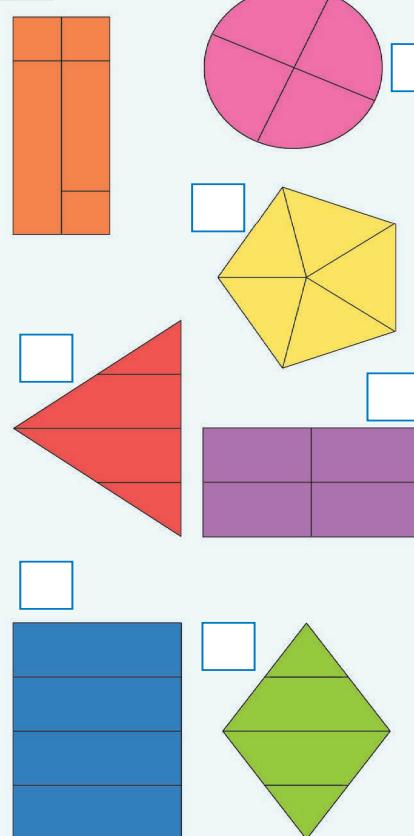
Amasametjisi wesidlo semini.

UThabo nabangani bakhe aba-3benza amasametjisi amanenqı
abazowadla ngesidlo semini. Bawasika abe makota. Okujho
kobara bawasika abe macezu ama-4 alinganako. Nasi enyę
indlę. Tengisa indlę ezi-3 ongenza lokhu.

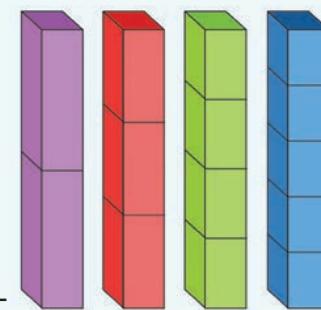
4. Ukuhlukanisa kubę macezu amane alinganako (amakota).

Lokha nassika into libe makota ($\frac{1}{4}$ s) siyehlukanisa libe macezu amane alinganako.

Tshwaya (✓) iinthombé kilezi ezingenzasi ezitjengisa amakota.



Amanyę amacezu alinganako wokupheleleko.



Nasehlukanisa into libe züngcenyę ezi-2 ezilinganako.
sibiza iingcezu lezon **ngamahafu**.

Nasehlukanisa into libe züngcezu ezilinganako ezi-3,
sibiza okukodwa **tokuthathu**.

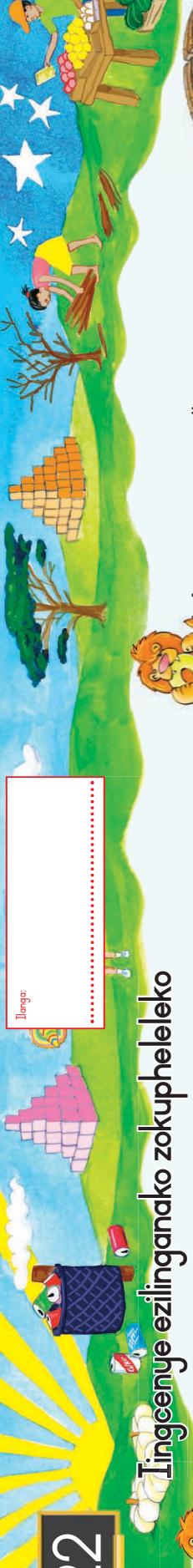
Nasehlukanisa into libe züngcezu ezilinganako ezi-4,
sibiza **ngamakota**.
Nasehlukanisa into libe züngcezu ezilinganako ezi-5,
sibiza okukodwa **kokuhlanu**.



Holisa!
Madanisa!
Lungisa!



Teacher:
Sign:
Date:



123

Ithemu 4

Imiraro yamacezu

Khulumisana nomngani wakho ngamacezu.



Rarulula umraro ngokuphendula imibuzo nokwenza imidwebo.

a. Umbanduli wenetbholo upha abadlli ngamunye ihafu ye-orientji. boke abadlli bali-14.

Uzokutjhoga ama-orientji amangaki?

Uthini umbuzo?

Yitjho inomboro nanyana amacezu wesibalo esimraro?

Najliphi igama eliqakathekileko?

Gwala isthombe.

Igama eliqakathekileko
njeloo elizongisiza ukukhetha
itswajo loka bala elifanelelo.



Ithini ipendulo?

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

Utljhoga ama-apula amangaki?

Yitjho iimbalo nanyana amacezu wesibalo esimraro?

Najliphi igama eliqakathekileko?

Gwala isthombe.



Ithini ipendulo?

c. Ngelanga lokuthengiswa kwamanandinandi esikolweni.

Kuthengisewa abantu abama-24 iingcenuje zekhekhe.

Kuthengiswe amakhhekhe amangaki?

Najliphi igama eliqakathekileko?

Gwala isthombe.



Ithini ipendulo?

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

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Itthe mu 4

Izinto ezinobujamo be-3D

Qala iinthombe ezilanddelako.

Ngisiphi isiqhema estijengisa iimbholo, amasilinda kanye nestijengisa amabholosi.



Ungagwala amabumbeko amangaki ngamawejisi anqophileko.



a. Engekhe kwagedekela kude?

b. Ekungagedekela kwaphela nakusemudeni onqophileko?

c. Ekungagedekela nanyana ngakuliphi ihlangothi?

Thalela ipendulo enembako.

a. Itamat iinebumbeko eliyibholo/elilikhaksi/elijisilinda.

b. Irhalasi yokusalo inebumbeko eliyibholo/elilikhaksi/elijisilinda.

c. Incwadi inebumbeko eliyibholo/elilikhaksi/elijisilinda.



1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20



Okunqophileko nanyana okugobeneko.

Ezingu izinto ezimamama zinelingaphandle elisipara kwaphela.
Ezingu zinelingaphandle eligobeneko.



Isilinda inamahlangothi amabili asipara nelliowda eligobeneko.	Ikhownu inehlangothi ellidwa elisipara nelliowda eligobeneko.	Isifigure sigobene mahlangothi woke.



Kilezizinto ezintathu, ngikuphi:

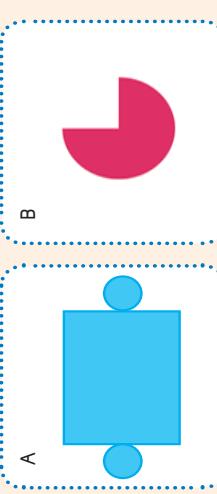
- a. Engekhe kwagedekela kude?
- b. Ekungagedekela kwaphela nakusemudeni onqophileko?
- c. Ekungagedekela nanyana ngakuliphi ihlangothi?



Ibumbeko elisipara lingabhniceka ukwenza isithombe esiqinileko esaziwa ngene.

Tola ledere lened ongajibhincu ukwenza ikhowunu.

Tola ledere lened ongajibhincu ukwenza isilinda.



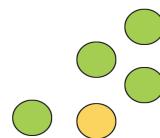
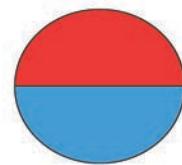
Ibumbeko elisipara lingabhniceka ukwenza isithombe esiqinileko esaziwa ngene.

Tola ledere lened ongajibhincu ukwenza ikhowunu.

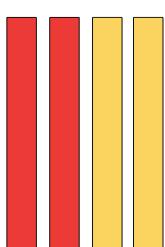
Tola ledere lened ongajibhincu ukwenza isilinda.

Amanye amacezu**Yitjho amacezu.**

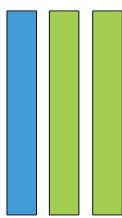
Tlola amacezu weenthombe ezingenzasi:



a. Licezu bani elinombala obou? _____



b. Licezu bani elinombala ohlaza satjani? _____



c. Licezu bani elinombala ohlaza saibhakabhabha? _____

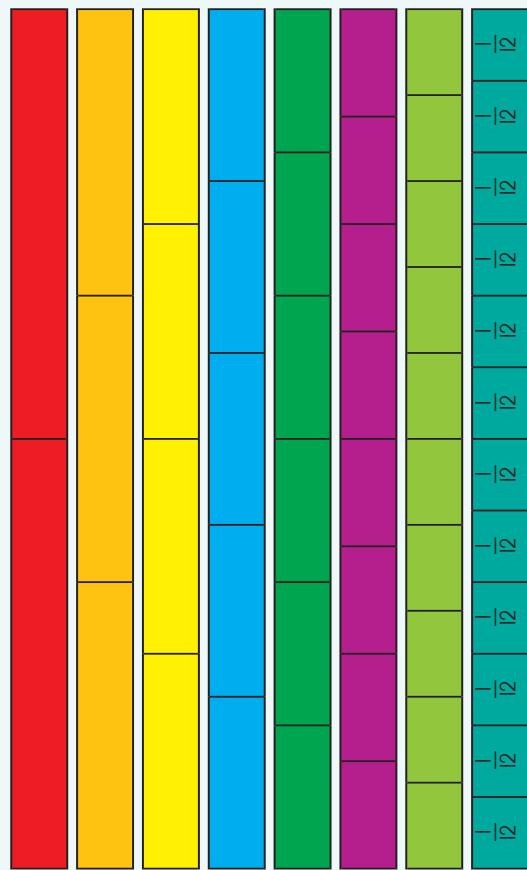
d. Licezu bani elinombala osarulani? _____

**Phendula imibuzo.**

a. USizwe unamacezu amane wetjhokoledi. Uphe umngani wakh'e icezu ellodwa. Yena usele ngaliphi icezu letjhokoledi? _____

b. UYosmin unama-orientji amabili. Wabelana no-Ann ama-orientji. Usele ngaliphi icezu? _____

c. UMaria uthenga intina zamdjhokoledi ezi-5. Yena uthatha istina eisisdwa, upha uMohamed intina ezi-2 bese anikele umnakkwabo intina ezi-2. U Maria yena usele ngaliphi icezu? _____

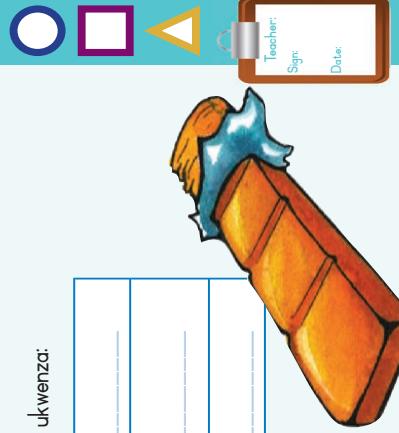
Umthangala wamacezu.

Umuda omunye nomunye wehlukaniswe neengcenye ezilinganako. Umuda ongenzasi wehlukaniswe eengcenjeni zetjhuni nambili. Leyibula eming'je imida ngeeezu elifaneleko. Sebenzisa irula yakho nanyara umphetho wephapha onophilleko ukufunyana kobana ngimaphi amacezu dingonako, nokukusiza kobana uphendule imibuzo elandelako:

Ulkusuka emthangaleni wecezu, funyana zoke ezinye indlala ukwenza:

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

Qalisia!
Madanisa!
Lungisa!

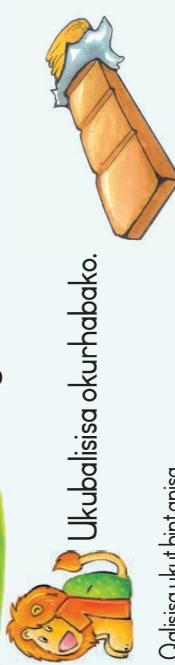


1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

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Item 4

Okhunye ukubuthela nokwaba



Qalisisa ukuthintanisa.

Ukubalisisa okurhabako.

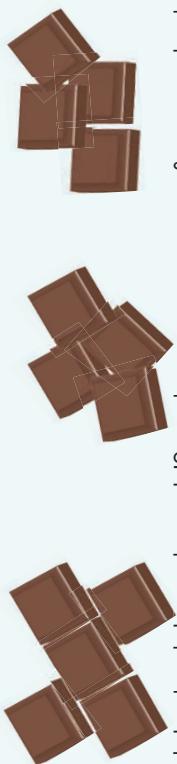
Ilang:

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

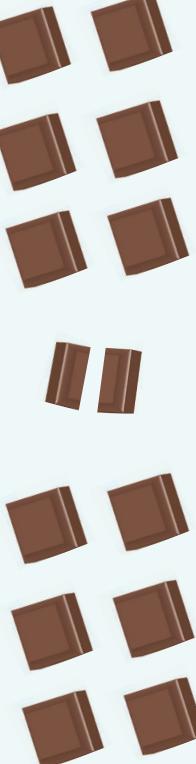


Yaba lokho okuseleko.

Ujibunu nolabo bafuna ukwabelana iinqetjhana ezili-13 zetjhokoledi. Omunye nomunye uzokufunyana iinqetjhana ezingakhi?



Bangabelana kwaphela iinqetjhana ezili-12 ezizinkwere, omunye nomunye ufunyana ezisithandathu isiqetjhana esiseleko basihlephula phakathi. Okutjho kobana omunye nomunye uneenqetjhana ezisi-6-2.

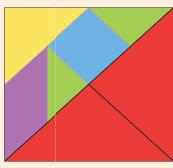


Omunye nomunye umntwana ufunyana imitletlana yamaswidi _____



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

Amacezu wamathangramu



Ithangramu iphasizi yakade yabantu be China eyakhwe ngamajamo ali-7 asipara, abizwa ngamathani. Woke angabekwa ndawonye ukwakha amajamo ahlukeno.

Amacezu wamathangramu.

<p>Qalisisa iphasizi lethangramu. Aboncantathu ababili abokhulu bamacazeu maphi wesikwere esipheleleko?</p> <p>(Umboda opinki esithombeni.)</p>	
<p>Nangabe ubhinca omunye waboncantathu abokhulu abe zingene ye ezimbili ezilangando. isiqetjhana esinye nesinye sibukhulu obulungana nebaboncantathu abaphakathi ngabukhulu. (Isithombe esisarulani.) Isikwere esipheleleko silicezu bani lakancantathu olinqalingeneko.</p>	
<p>Nangabe ubhinca uncantathu ophakathi ngobukhulu ubezingene ye ezimbili ezilangando, esinye nesinye isiqetjhana sibukhulu obulungana nebaboncantathu ababili abancani. (Umdala ohlaza satjani esithombeni) Omunye nomunye walaba aboncantathu abancani balicezu bani lesikwere esipheleleko?</p>	
<p>Ungabeka aboncantathu ababili abancani ndawonye ukwakha isikwere esincani. Isikwere esincani silicezu liphii lesikwere esipheleleko (umbala ohlaza sasibhakabaka esithombeni)?</p>	
<p>Ungabeka aboncantathu ababili abancani ndawonye ukwakha ipharaleogramu. Ipharaleogramu dicezu liphii lesikwere esipheleleko?</p>	

Ukusebeniza ithangramu.

Sika amathangramu amabili kiba Sika 12 bese uleyibula isiqetjhana esinye nesinye ngecezu laso lesikwere esipheleleko. (La majano wamambala we Thangramu.)

Tola ikizo lakkho negemuval kwestinye nesinye isiqetjhana ukuze ukwazi ukufunyana isiqetjhana sakho ekupheleni komidlo.



Umddalo wokwabelana ngamacezu ngokulingana.

Dila nabaddali abo-4 ukuyed kababu-8 abaddali basebenzisa iinqetjhana zethangramu.

1. Abaddali bagadlhegana ukuba barthwebi.

2. Umrhwebi uqunta kobana licezu bani lethangramu epheleleko umddali ekumale dibikebe ngekasaneni.

3. Umddali ngamunye uya funisela kobana imali eysimbi izokwua iyihoko nanyana imsila. bese umrhwebi uphosha imali yesimbi.

4. Umrhwebi -ke waba okungekasaneni ngokulingana abele labo abafunisele ngokwepiniso. (Kumele at hengise esinye nanyana ezinye zeengetjhana ukuze afununa iinqetjhana ezinobungako obulungandako.)

5. Isalela enye nenyenye engekhе yokghona ukwabeka isolaa ngekasaneni ukuze izokusetjenniswa ngedlinego eliandelako.

6. Boke abaddali bayaqalisisa kobana ukwabelana kwenzive naendla elkaqigyo.

7. Umddali nang ke kwenzeka afunyane iphosho, umrhwebi ubhadela ihlawulo yenani $\frac{1}{8}$ lesikwere esipheleleko emdallini wokuthoma ofuryene iphosho leyo.

8. Umddali onganazo iinqetjhana, angothatha lezo ezsiele ngekasaneni. q. Umddalo uragela phambili bekufike lapha omunye nomunye umddali aba mrhwebi khona.



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



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Ithemu 4

Sebenzisa iimumath
zamabhdlelo
wamaplastiki kanye
nekomki.

Zin komiki lezingaki ezingazala
isumumath?

Ikomki (250 ml)

Ulkumeda umthhamo

Tleng:



Meda ilitha.
Funyana indela yokwenza lilttha usebenzisa ittelezi elihukileko.

Tola umutjho weenomboro wendela enye neny.

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


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

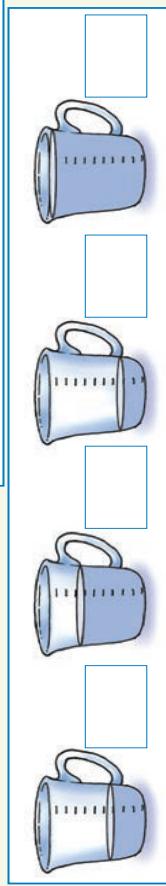
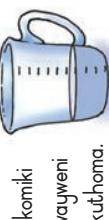
$$\text{Umutjho weenomboro} = 1000 \text{ ml (1 l)}$$

Nasitilo amatshwayo wokumeda, sitjhija isikhadllana esincani hlangana kwedijidi yokugcina
kanye netshwayo. Ngokwesibelo, sitbola ngendela elandelak: 3 l ingasi nje 3l, 299 g ingasi
nje 299g; 15 km ingasi nje 15km.

2 3 4 5 6 7 8 9 10



Ikhezo izalisa ikomki:
bekufike etshwayeni
leslinganiso sokuthoma.



Ijini ivolumu yekomki
enye neny ezeleko?

Simeda inani elincani ittelezi ingamamillitha (ml).

Ikomikana emeda isihldhla le imumathha 10 ml,
pheze okumakhezo wetiye amabili.

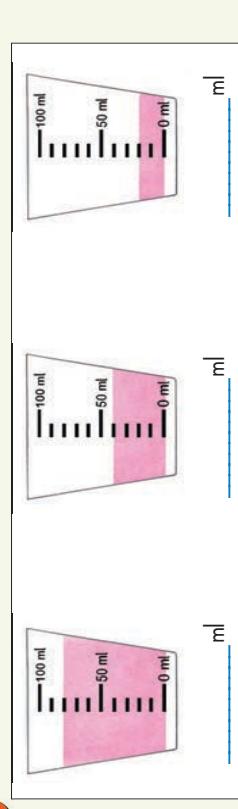
Simeda inani elikhulu ngamalitha (l).

Eltheni eyodwa kunamamillitha aykulungwana.



Littelezi elingangani?

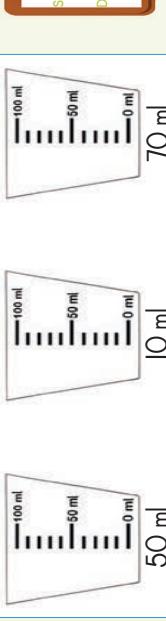
Ngejegeni kunama- ml angangani wetjlezi?



Littlezi elingangani?



Fipaza amakomki
wesihldhla ukujengisa
inani lesihldhla ekomikini
ngayinye.



Teacher:
Sign:
Date:

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Ithemu 4

Emdalweni.

Ngeskhathi sokuphumula omunye nomunye umdlali
uselai $\frac{1}{4}$ yelitha yejuzi.

a. Bangaki abadalli abangabelana?

litha linye _____ amalitha ama-4 $\frac{1}{2}$ _____ amalitha ama-4 $\frac{1}{2}$

b. Bazokuthoga juzi enganganzi?

Abadalli ababu-8 _____ Abadalli ababu-8 _____

Ukumeda nokuthela

a. Bangaki abadalli abangabelana?

litha linye _____ amalitha ama-4 $\frac{1}{2}$ _____ amalitha ama-4 $\frac{1}{2}$

b. Bazokuthoga juzi enganganzi?

Abadalli ababu-8 _____ Abadalli ababu-8 _____

Amalitha kanye namamilimitha (ml).

$$\text{Ithiha linye} = 1000 \text{ ml} \quad \frac{1}{2} \text{ yelitha} = \text{_____ ml} \quad \frac{1}{4} \text{ yelitha} = \text{_____ ml}$$

$$25 \text{ ml} = \text{_____ yelitha} \quad 50 \text{ ml} = \text{_____ yelitha}$$

**Yenza ihafu yelitha.**

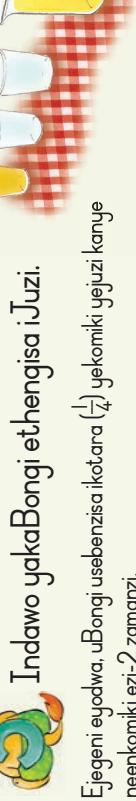
Thika(✓) amanani ama-3 athinakahlhangariseweko enze litha.

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

Ibisi lilungele ipilo yakho!

Yaba amalitha ama-4 webishi hlanguana:

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

**Indawo yakaBongi ethengisa iJuzi.**

Ejegeni eyodwa, uBongi usebenzisa ikotara ($\frac{1}{4}$) yekomiki yejuzi kanje neenkomiki ezi-2 zamanzu.

Ingabe uBongi uzokusebenzisa juzi enganganzi ukwenza amajege ama-5 wejizi.

Amajege	1	2	3	4	5
Amakomiki wejizi	Ikota eyodwa ($\frac{1}{4}$)				
Amakomiki wamanzi	2				

**Kwenza litha eyodwa.**

50 ml	100 ml	200 ml	250 ml	500 ml
-------	--------	--------	--------	--------

Zingaki iiumathini, esinye nesinye ukwenza litha?

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

**Ngemva kwephathi.**

- Iphathi yakaThandi idulile. Kodwana kuneenselo ezisaselelo.
- Kusele juzi esarulani enganganzi? _____
- Kusele juzi ephephuli enganganzi? _____
- UThandi uhlanganisa imihlobo embili yamajusi ndawonye.
- Uzokuzalisa amajege amangaki? _____

Kusele juzi esarulani enganganzi? _____

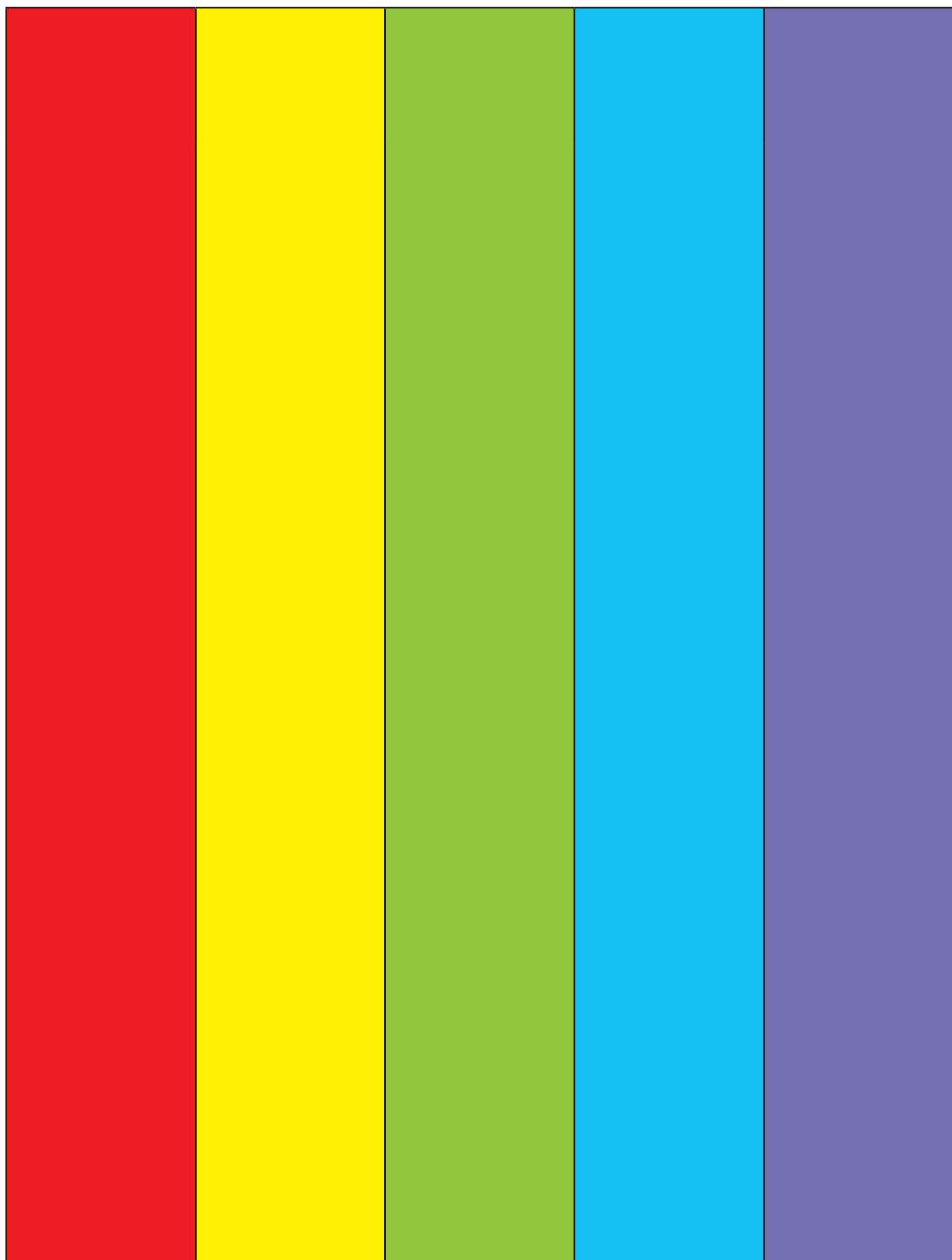
Kusele juzi ephephuli enganganzi? _____

UThandi uhlanganisa imihlobo embili yamajusi ndawonye.

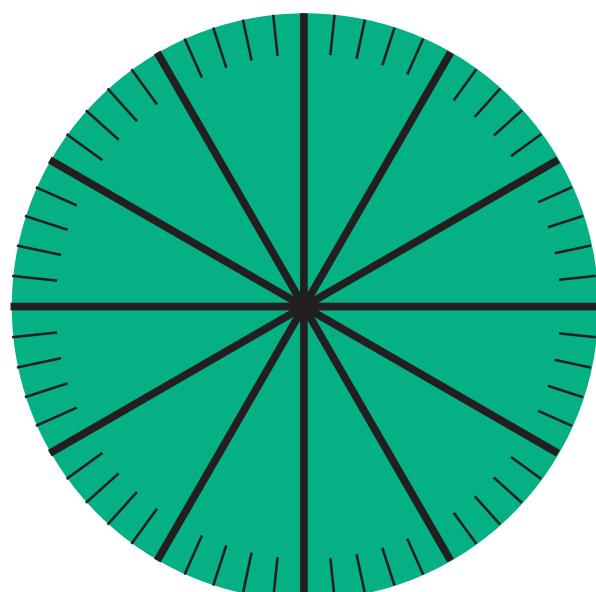
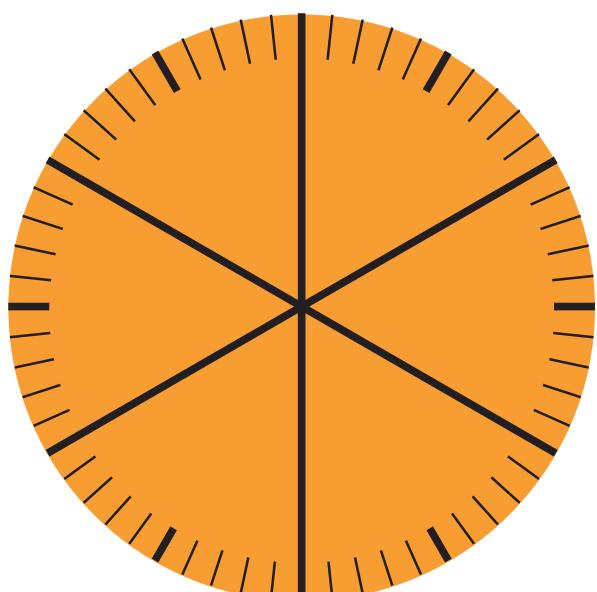
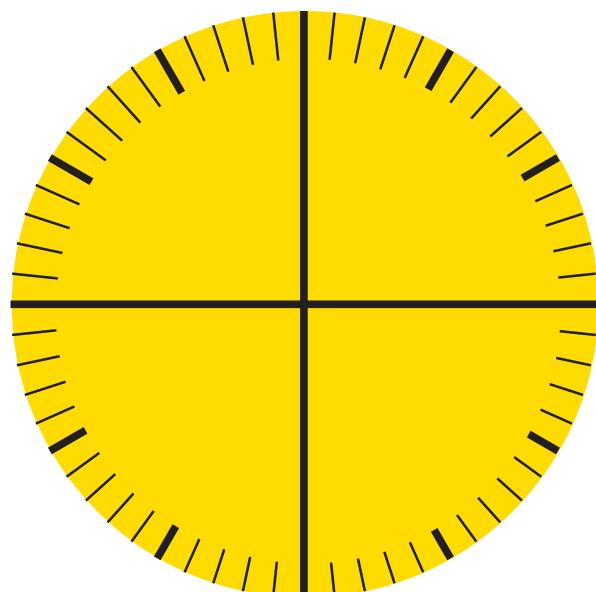
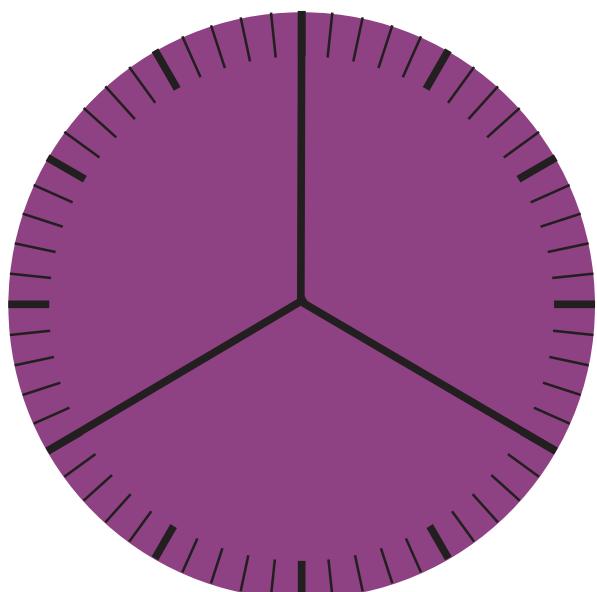
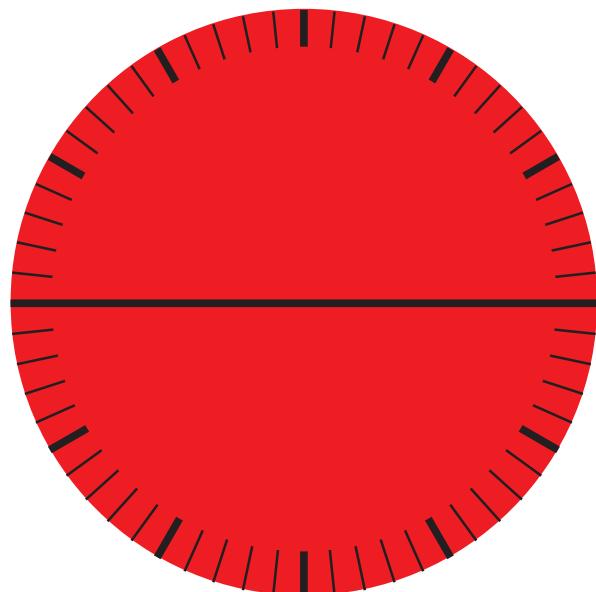
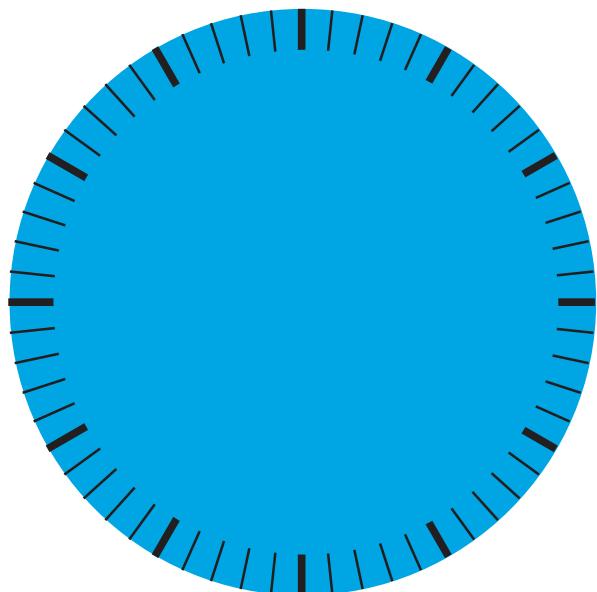
Uzokuzalisa amajege amangaki? _____

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

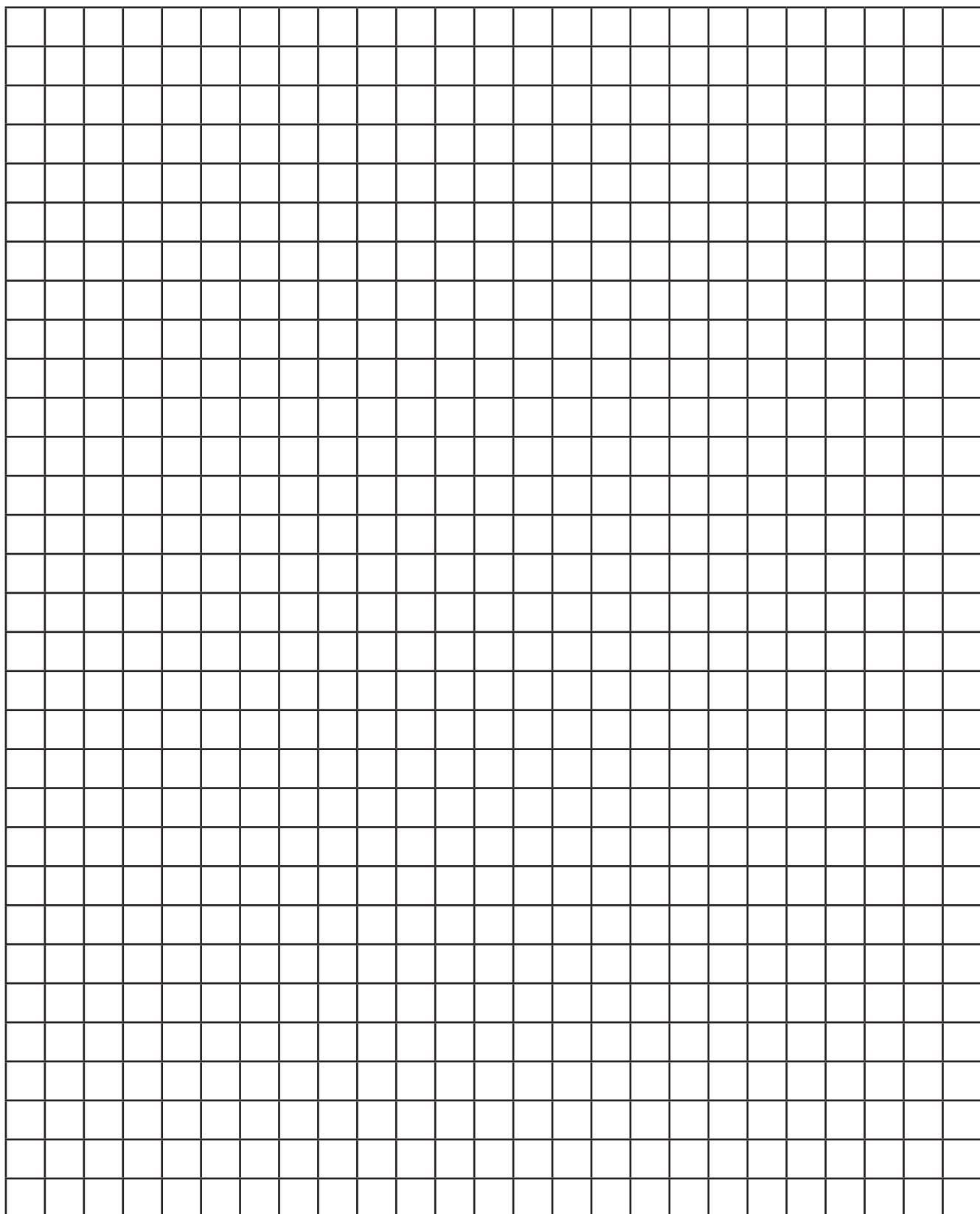
AboSika 5



AboSika 6



AboSika 7

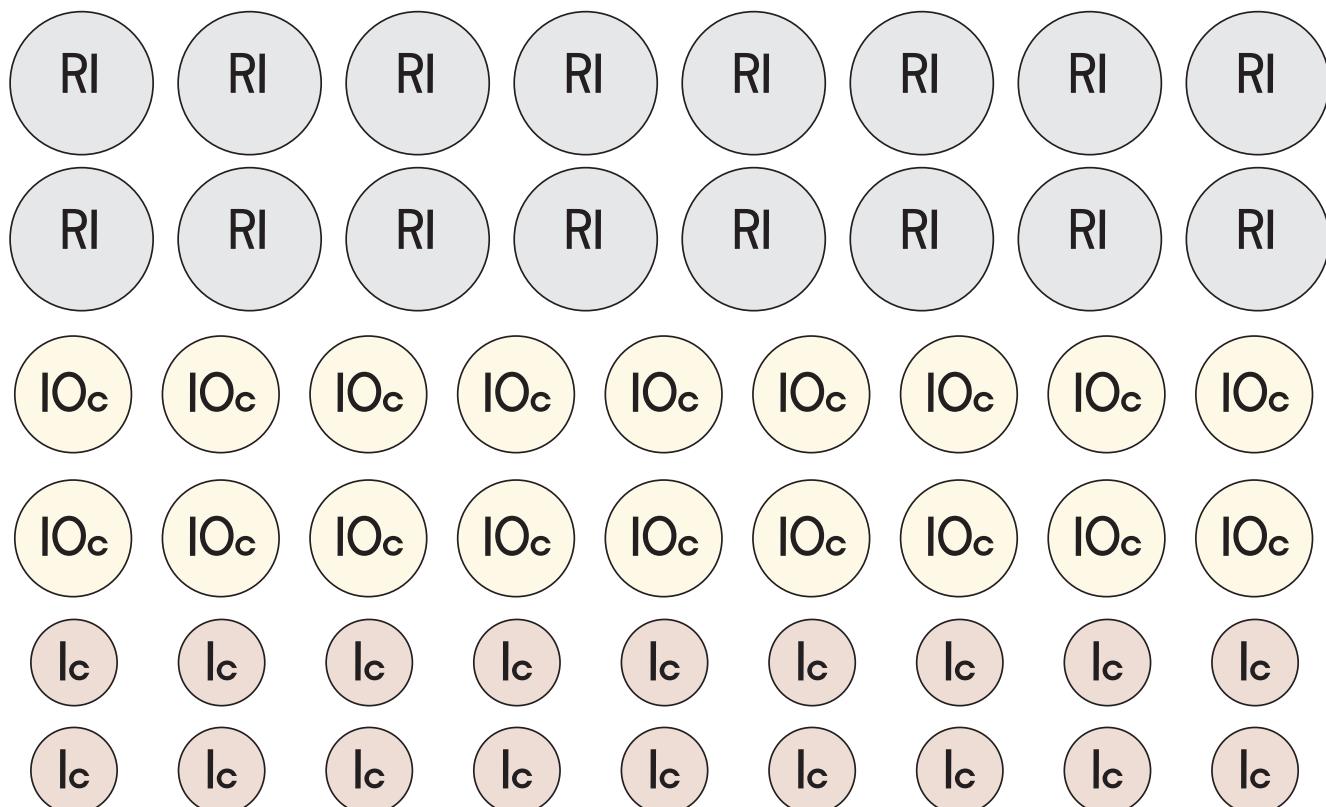


AboSika 8

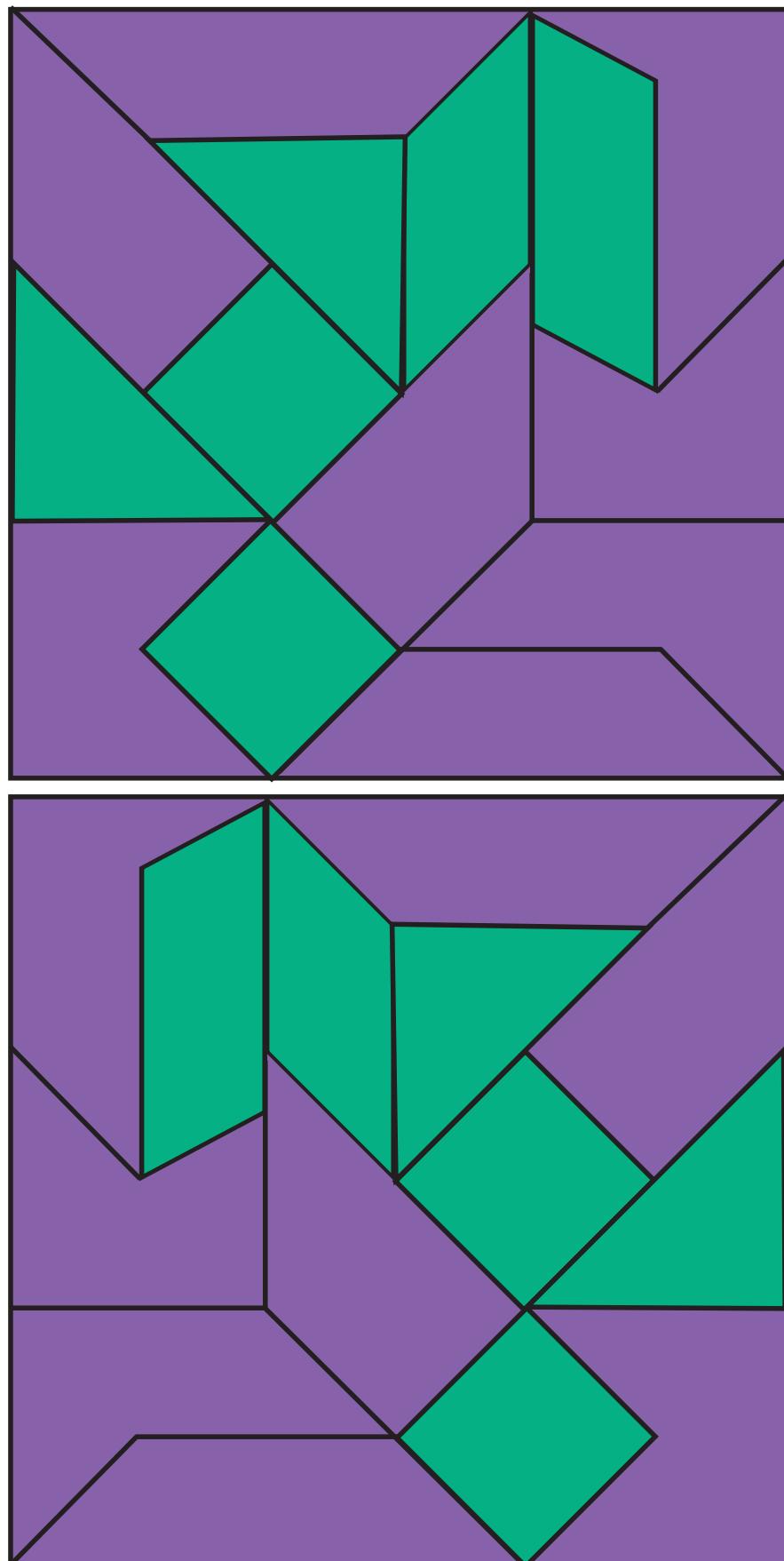
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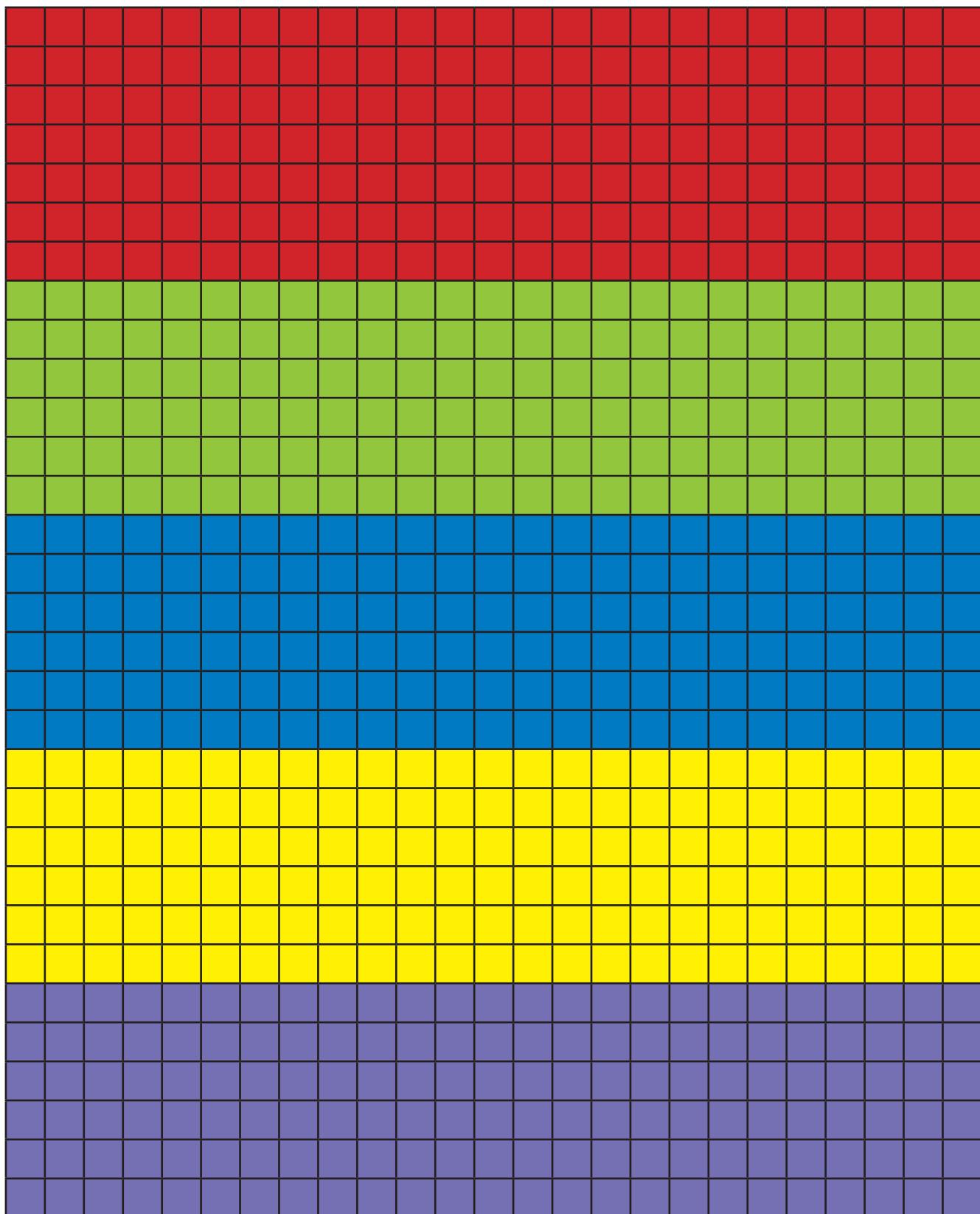
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO



AboSika IO



Cut-out II



Cut-out I2

