

Ibanga
lesi-
3

IZIBALO NGESIZULU

Incwadi yesi-2
Ithemu 3 & 4



IZIBALO NGESIZULU – Ibanga lesi-3 Incwadi yesi-2

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GRADE 3 – BOOK 2
TERMS 3 & 4
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9 781431 501502



Ukufunda ngomthethosisekelo waseNingizimu Afrika (1996)
Umthethosisekelo waseNingizimu Afrika (1996) uqukethe imithetho ephakeme kunayo yonke yezwe. Le mithetho ingaphezulu kukaMongameli, ingaphezulu kwezinKantolo futhi ingaphezulu kukaHulumeni.
Uchaza indlela okufanele abantu baphathane ngayo ezweni labo, nokuthi ayini amalungelo abo nemisebenzi yabo komunye nomunye. Umthethosisekelo wezwe wenzelwe ukuthi usivikele thina sonke kanye nekusasa lezingane zethu.

Masiyazi imvelaphi yethu. **Masingawaphindi amaphutha enzeka enkathini eyedlule.** **Umthethosisekelo uyasisiza ukuba sibe nesithombe futhi sakhe ikusasa elingcono lethu sonke.**

Thina, Bantu baseNingizimu Afrika –
Siyakukhumbula ukucekelwa phansi kwamalungelo okwenzenka eminyakeni eyadlu; Sibungaza labo abahluphekela ubulungiswa nenkululeko kulo mhlabu wethu; Sihlonipha labo abasebenze ukwakha nokuthuthukisa izwe lethu; Futhi sikholelwu ekuthini iNingizimu Afrika ingeyabu bonke abahlala kuyo, sibumbene nakuba singefani.
Ngakho-ke, ngabameleli bethu esibakhethu ngokukhululeka, samukela lo Mthethosisekelo njengomthetho-nqangqwezwe lethu, ukuze—
Silungise ukwehlukana kwesikhathi esedlule bese sakha umphakathi owesekelwe yinkolelo yenqubo yentando yeningi, ubulungiswa emphakathini, kanye namalungelo obuntu;
Sibeke isesekelo sokwakha umphakathi oqhube ngendlela yentando yeningi; futhi ovulekile, lapho uHulumeni akhelwe khona phezu kwentando yabantu futhi lapho zonke izakhamuzi zivikelwe ngumthetho ngendlela efanayo;
Sithuthukise izinga lokuphila lazo zonke izakhamuzi futhi sikhulule amakhono omuntu ngamunye; futhi—
Sakhe iNingizimu Afrika ebumbene futhi eqhuba ngenqubo yentando yeningi ekwazi ukuthatha indawo yayo efanele njengezwe elizimele emazweni ngamazwe.

Yazisa ilungelo lakho njengesakhamuzi saseNingizimu Afrika uzimisele ukuvikela amalungelo abanye. **Yazi Umqulu wamalunge kanye Nomqulu wezinto ezidinga ukwenziwa.**

Sengathi uNkulunkulu angabavikela abantu bakithi.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afrika. Hosanna Afrika.

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UNkk Angie Motshekga,
uNgqongqoshe weMfundu
eyiSesekelo

UMnu Enver Surty, iSekela
loMnyango weMfundu
eyiSesekelo

Lezi zincwadi zokusebenzela zenzelwe abantwana baseNingizimu Afrika ngaphansi kwesandla sikaNgqongqoshe weMfundu eyiSesekelo, uNkk Angie Motshekga, neSekela likaNgqongqoshe weMfundu eyiSesekelo, uMnu Enver Surty.

Lezi zincwadi ezibizwa ngeRainbow Workbooks ziyingxene ye yoMnyango weMfundu eyiSesekelo lapho uMnyango uzama khona ukungenelala ukuze kuthuthukiswe imfundo yabantwana bamabanga asuka kwelokuqala kuya kwelesithupha eNingizimu Afrika. UMnyango weZimali uxhase lo mkhankaso kaHulumeni njengento yokugala uHulumeni azibekelie yona ukuthi ayisukumele. Uxhaso loMnyango weZimali lusize uMnyango wezeMfundu ukuthi ukwazi ukukhiqiza uphinde usabalalise ngaphandle kwenkokhelo lezi zincwadi zokusebenzela ngazo zonke izilimi zaseNingizimu Afrika ezisenthethweni.

Sinethemba lokuthi othisha bazozithanda basebenze kangcono ngazo lezi zincwadi ekufundiseni kwabo kwansuku zonke, baphinde bathole futhi isiqiniseko sokuthi abafundi babo bafundiswa konke abamelwe ukufundiswa khona njengoba kuvela kusilabhasi yabo. Sizamile ukuqiniseka ukuthi sifaka izithonjana (ama-icon) emisebenzini yokwenziwa ukuze uthisha akuthole kulula ukuyilandela nokuqonda ukuthi umfundu yini alindeleke ukuyenza.

Sinethemba futhi lokuthi abantwana uqobo lwabo bazokujabulela ukusebenzisa lezi zincwadi ekukhuleni kwabo bakhule nolwazi eziluqukethe, bese kuthi wena njengothisha wabo uthokoze kanye nabo ekugcineni.

Sifisela wena nomfundu omfundisayo impumelelo ngenkathi usebenzisa lezi zincwadi.



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Author team: Smith, P., Blom, L., Aitchison, J.J.W.

Ibanga lesi- **3**



I z i b a l o

A series of six colorful, tilted rectangular boxes spelling out the word "Izibalo". Each letter is a different color: I (orange), z (red), i (blue), b (yellow), a (green), and l o (purple/orange).

Le ncwadi ngeka-:



TSIZU

Incwadi
yesi-

2

65

Izinombolo ezsuka

ema-500 ziya ema-600

Usuku:

Ithemu 3



Bala bese ubhala.

- a. Sebenzisa ishadi elilandelayo ubhale izinombolo ezsuka
ema-500 ziye ema-600.

Phimisela izinombolo ngenkathi ubhala.

500



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

b. Bhala izinombolo ezidingekayo kule gridi engenhla.

c. Bhala izinombolo eziyi-10 ezitholakala ngale kwama-500.

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

d. Bhala izinombolo eziyisi-8 ezilandelayo ezinephethini loku-2.

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

e. Bhala zonke izinombolo eziyiphethini loku-2 usuke ema-548 uye ema-570.

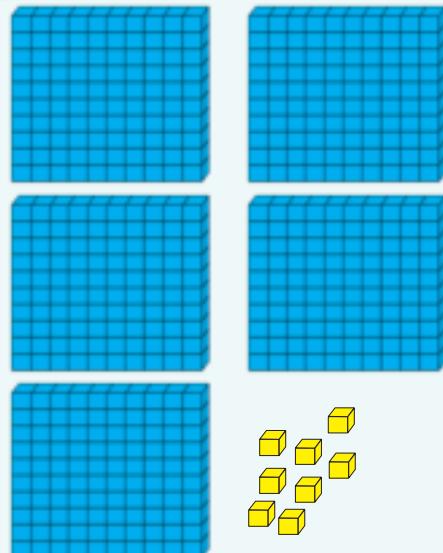
548; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 570

f. Bhala izinombolo ezi-8 ezilandelayo eziyiphethini loku-5.

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



Bala uthole ukuthi amabhulokhi mangaki?

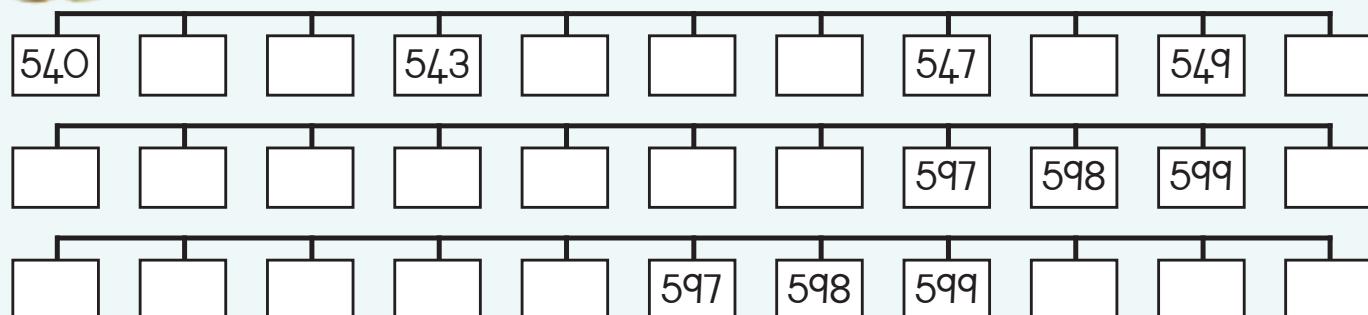


Uwabale kanjani amabhulokhi?

--	--	--	--	--	--	--	--	--	--	--	--



Qedela lo mugqa wezinombolo.



Qedela leli
thebhula.

Bhala uqale ngezincane
ugcine ngezinkulu

Bhala uqale ngezinkulu
ugcine ngezincane

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



Teacher:
Sign:
Date:



Bhala izinombolo ezilandelayo ngamagama.

520

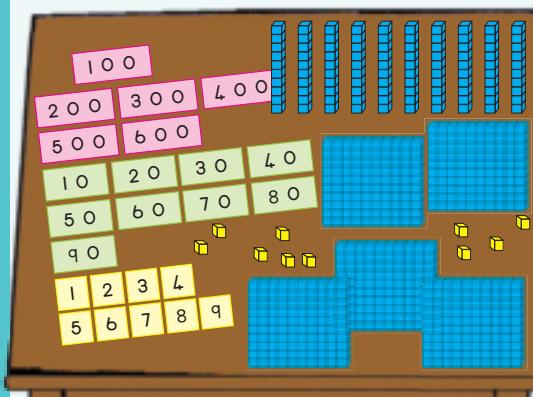
11 12 13 14 15 16 17 18 19 20

66

Ezinye izinombolo ezisukela ema-500 ziya ema-600

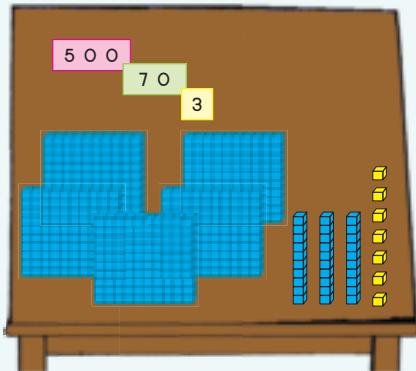
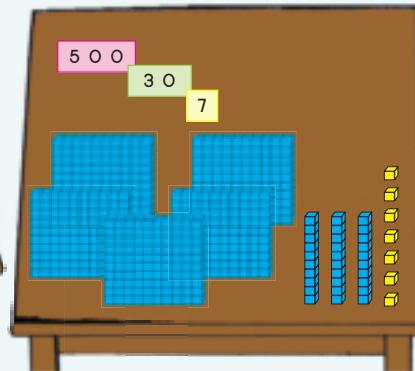
Usuku:

Ithemu 3



Uthisha ucela uPetru aveze inani
lama-537 ngamakhadi namabhulokhi.

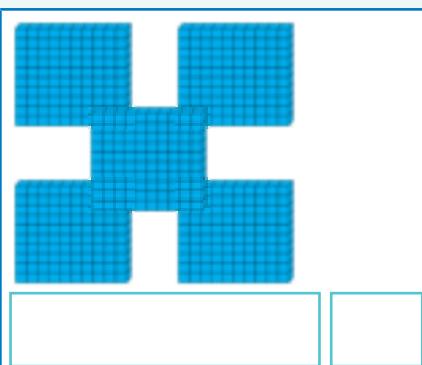
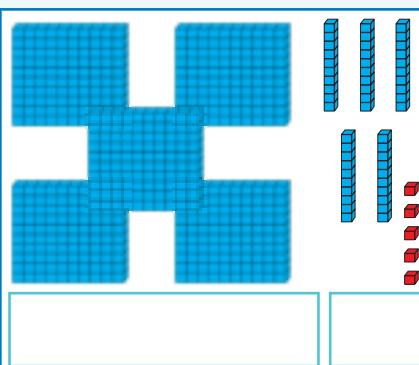
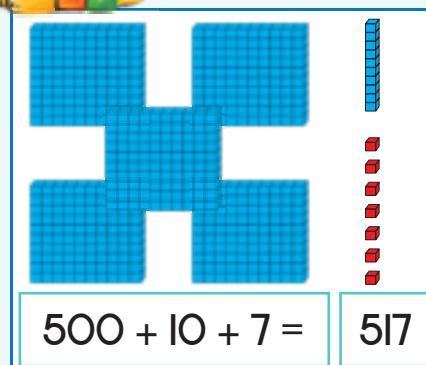
U-Aakar uveze lokku.
Yini angayenzanga kahle?



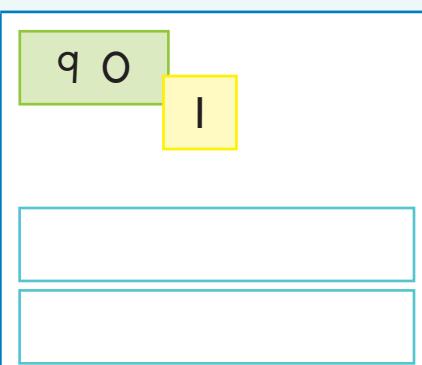
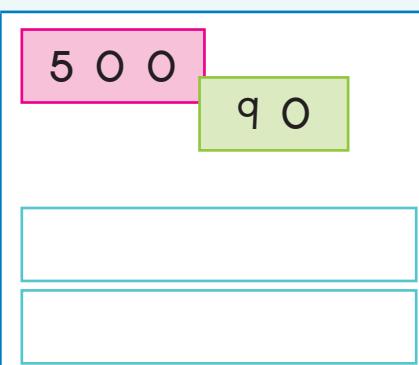
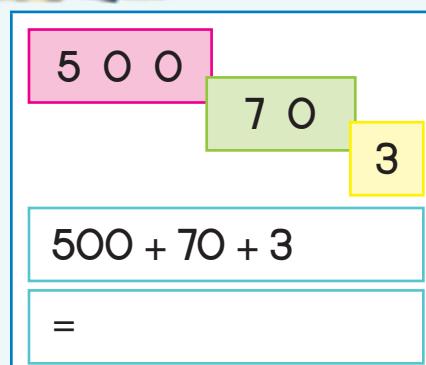
UPetru unamakhadi anamabhulokhi
ezinombolo ezingamashumi.



Bhala umusho wezinombolo bese unikeza impendulo.



Bhala umusho wezinombolo bese unikeza impendulo.





Qedela umugqa wezinombolo.

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

Bhala zonke izinombolo ezingaphansi kwama-556. _____

Bhala zonke izinombolo ezingaphezulu kwama-556. _____



Hlahlela inombolo yakho.

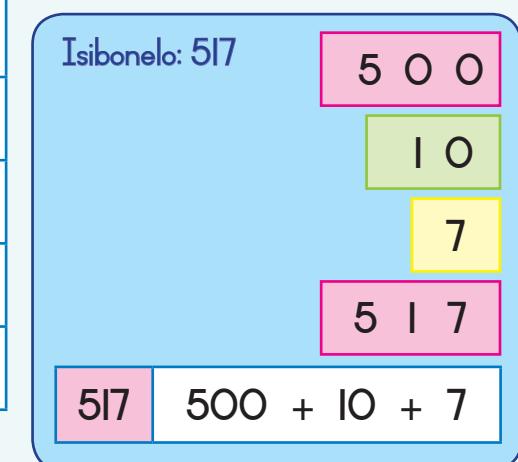
- Yakha inombolo ngayinye ngamakhadi.
- Bhala izinombolo ezimele idijithi ngalinye.

Kunamadjithi alishumi.

0 1 2 3 4 5 6 7 8 9

Siwabeka ndawonye sakhe ngawo izinombolo.

495	
508	
594	
549	
602	



Bhala izinombolo ngamagama.

221	
486	
369	
419	
491	



11 12 13 14 15 16 17 18 19 20

67

Izinombolo ezisuka

ema-600 ziya ema-700

Usuku:

Ithemu 3



Bala bese ubhala.

- a. Sebenzisa ishadi elilandelayo ubhale izinombolo ezisuka
ema-600 ziye ema-700.

Phimisela izinombolo ngenkathi ubhala.

600



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

- b. Bhala izinombolo ezidingekayo kule gridi engenhla.

- c. Bhala izinombolo eziyi-10 ezitholakala ngale kwama-600.

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

- d. Bhala izinombolo eziyisi-8 ezilandelayo ezinephethini loku-2.

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

- e. Bhala zonke izinombolo eziyiphethini loku-2 usuke ema-611 uye ema-633.

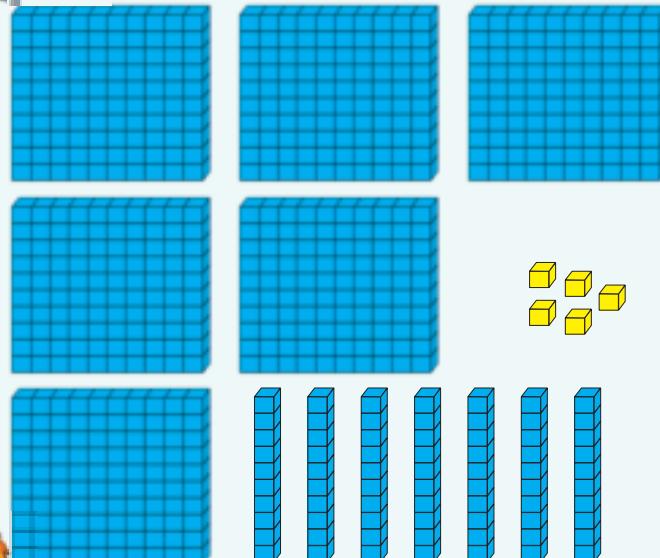
611; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 633

- f. Bhala izinombolo ezi-8 ezilandelayo eziyiphethini loku-5.

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



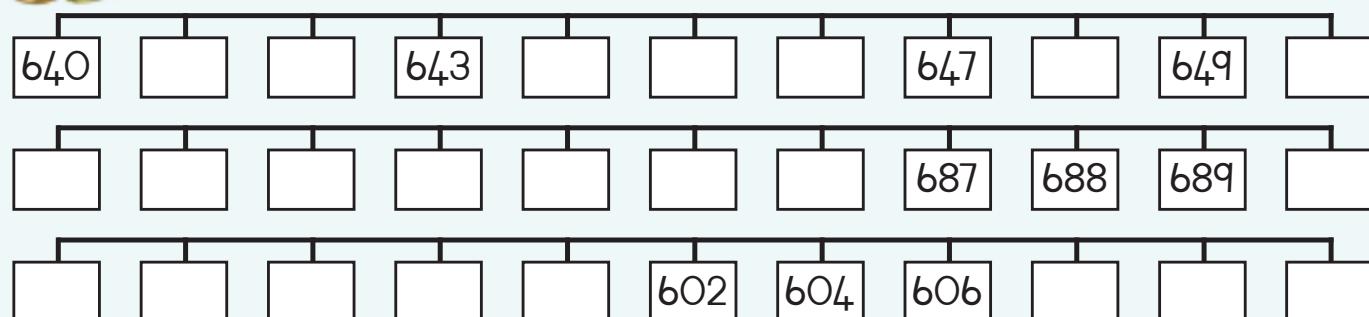
Bala uthole ukuthi amabhulokhi mangaki?



Uwabale kanjani amabhulokhi?



Qedela lo mugqa wezinombolo.



Qedela leli
thebhula.

Bhala uqale ngezincane
ugcine ngezinkulu

Bhala uqale ngezinkulu
ugcine ngezincane

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



Teacher:
Sign:
Date:



Bhala izinombolo ezilandelayo ngamagama.

631

11 12 13 14 15 16 17 18 19 20

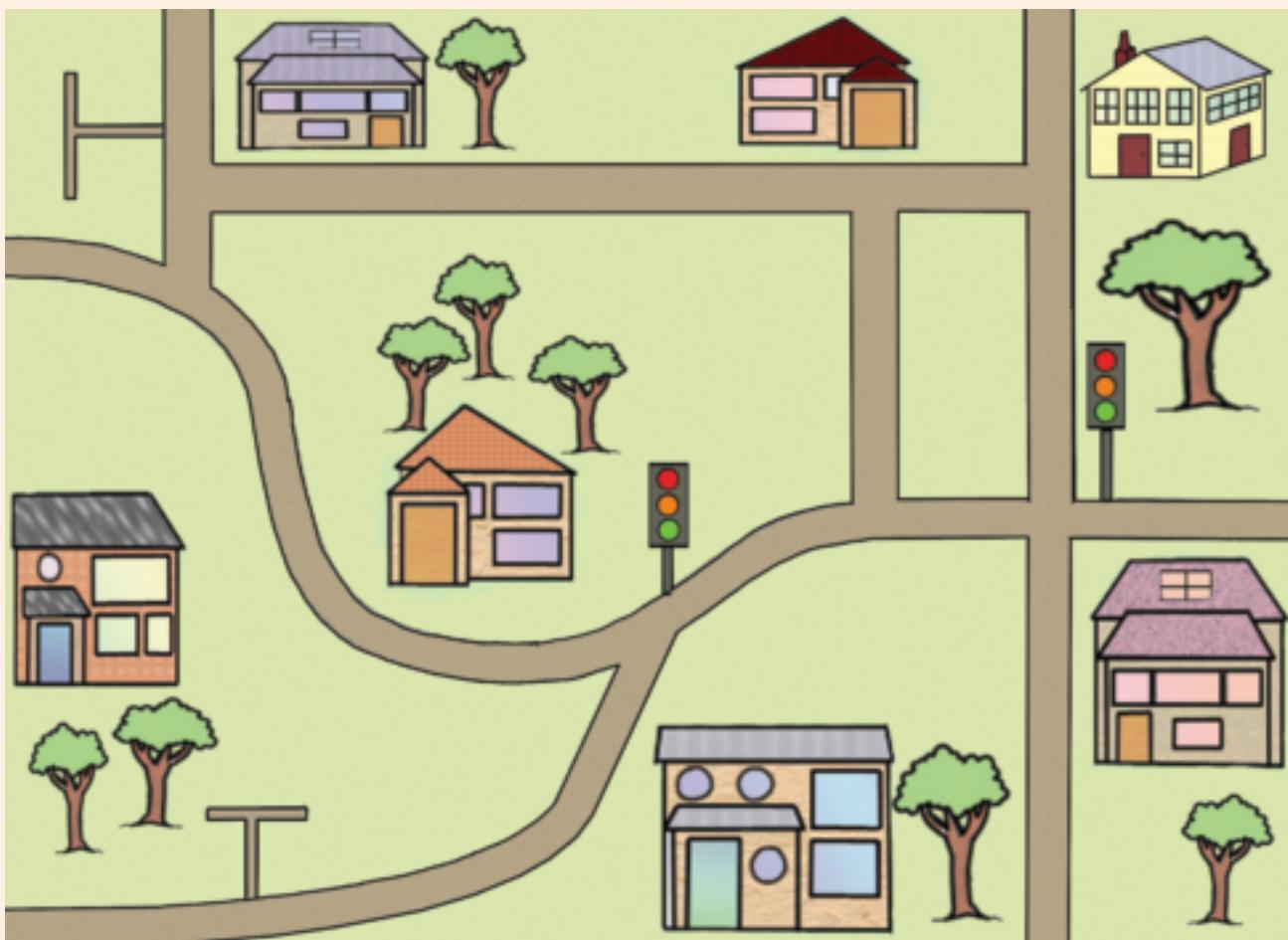


Usuku:

Amabalazwe

Buka isithombe.

- Kuyini lokhu?
- Sikusebenzisa kuphi lokhu?
- Yini esingayithola ebalazweni?



Dweba lokhu ebalazweni elingezansi:

umtapo wezincwadi, isikole, umtholampilo, isibhledlela, isiteshi samaphoyisa, inxanxathela yezitolo. Ungazihlanganisa izitaladi uma uthanda.



Sebenzisa ibalazwe elisekhasini elandulela leli ukunikeza abangani bakho inkombandlela:

a. ukusuka emtholampilo uya esiteshini samaphoyisa.

b. ukusuka esikoleni uya emtholampilo.

c. ukusuka esikoleni uya enxanxatheleni yezitolo.

d. ukusuka enxanxatheleni yezitolo uya emtatsheni wezincwadi.

e. ukusuka emtatsheni wezincwadi uya esikoleni.

f. ukusuka esibhedlela uya esikoleni.



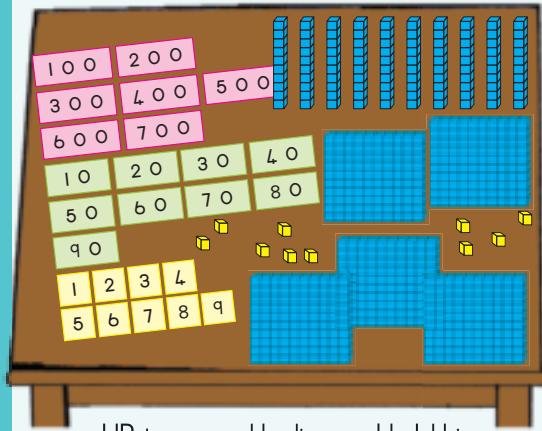
69

Okunye ngezinombolo ama-600 kuya ema-700

Usuku:

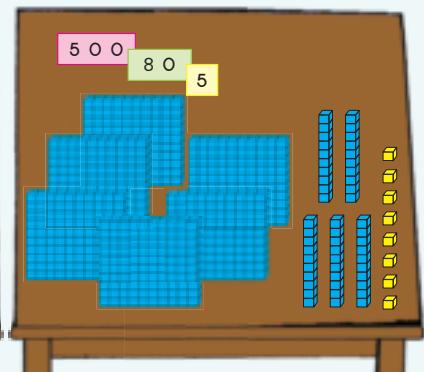
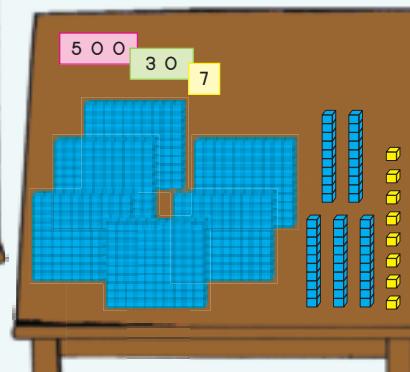
.....

Ithemu 3



Uthisha ucela uPetru aveze inani
lama-658 ngamakhadi namabhulokhi.

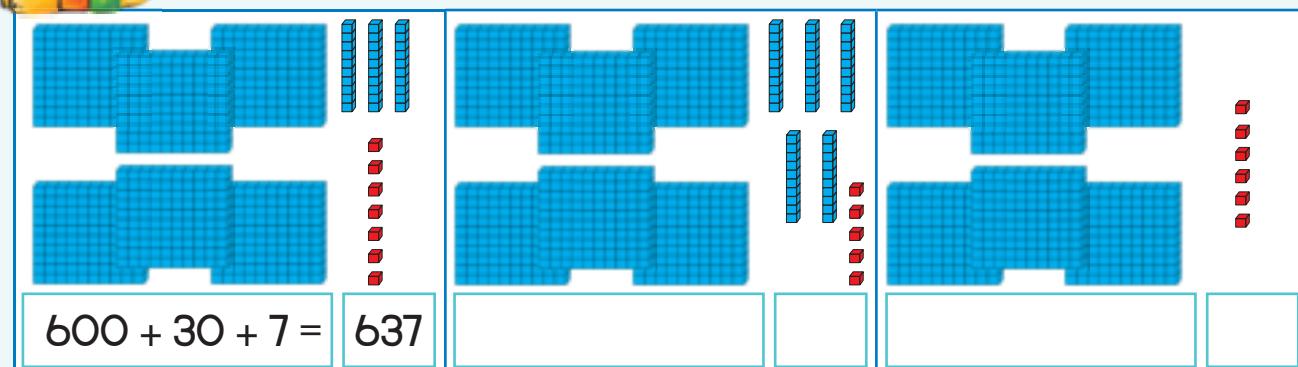
U-Akar uveze lokhu.
Yini angayenzanga kahle?



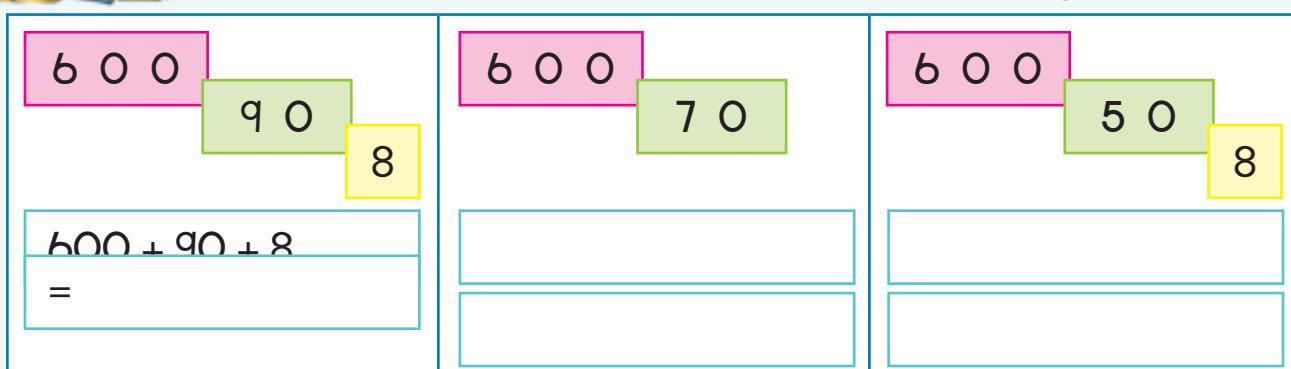
UPetru unamakhadi anamabhulokhi
ezinombolo ezingamashumi.

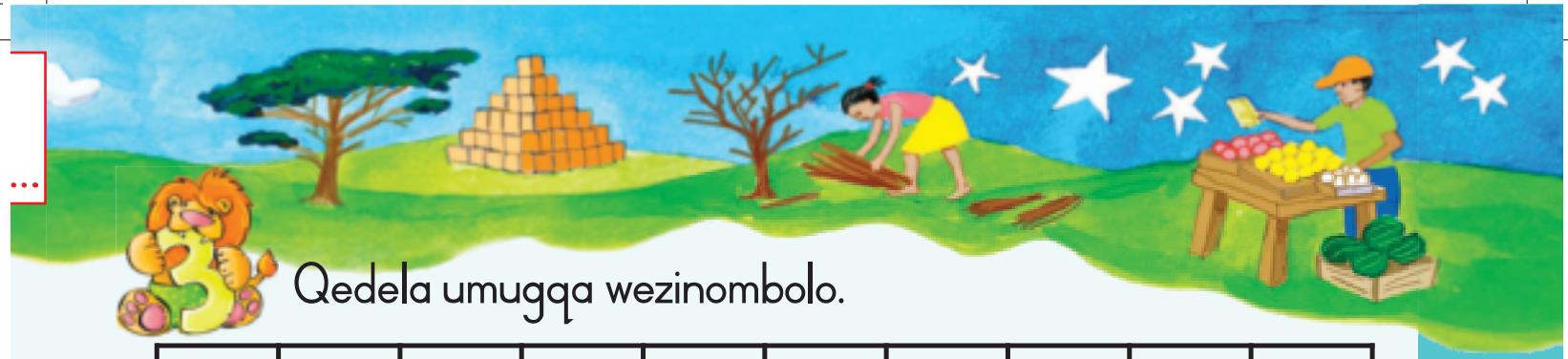


Bhala umusho wezinombolo bese unikeza impendulo.



Bhala umusho wezinombolo bese unikeza impendulo.





Qedela umugqa wezinombolo.

670 671 672 680

Ngibhalele izinombolo ezingaphansi kwama-675. _____

Ngibhalele izinombolo ezingaphezulu kwama-675. _____



Faka olulodwa lwalezi zimpawu esikhali: (<,>)

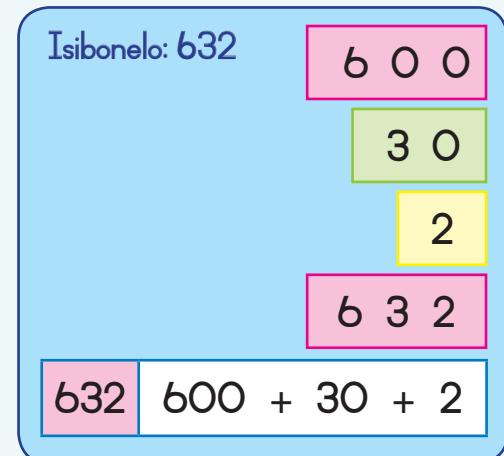
- a. 670 _____ 607 b. 688 _____ 699
c. $600 + 50 + 5$ _____ 655



Hlahlela inombolo yakho.

- a. Yakha inombolo ngayinye ngamakhadi.
b. Bhala izinombolo ezimele idijithi ngalinye. Yenza lokhu-ke manje: Hlahlela inombolo yakho.

686	
690	
699	
673	
665	



Bhala izinombolo ngamagama.

672	
693	
607	
697	
660	

Teacher: _____
Sign: _____
Date: _____

70

Izinombolo ezisuka

ema-650 ziya ema-750

Usuku:

Ithemu 3



Bala bese ubhala.

- a. Sebenzisa ishadi elilandelayo ubhale izinombolo ezisuka ema-700 ziye ema-750.

Phimisela izinombolo ngenkathi ubhala.

650



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

- b. Bhala izinombolo ezidingekayo kule gridi engenhla.
 c. Bhala izinombolo ezi-10 ezitholakala ngale kwama-650.

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

- d. Bhala izinombolo eziyisi-8 ezilandelayo ezinephethini loku-2.

705; 707; 709; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

- e. Bhala zonke izinombolo ezinephethini loku-3 ngokusukela ema-719 uye ema-749.

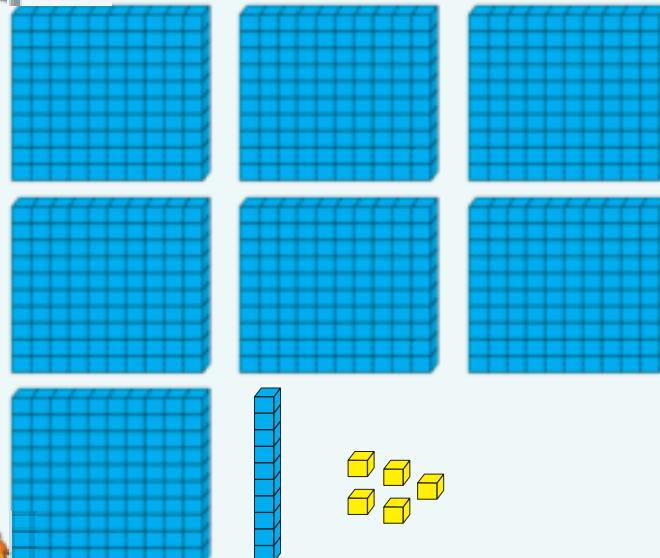
719; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 749

- f. Bhala izinombolo eziyisi-8 ezilandelayo ezinephethini loku-5.

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



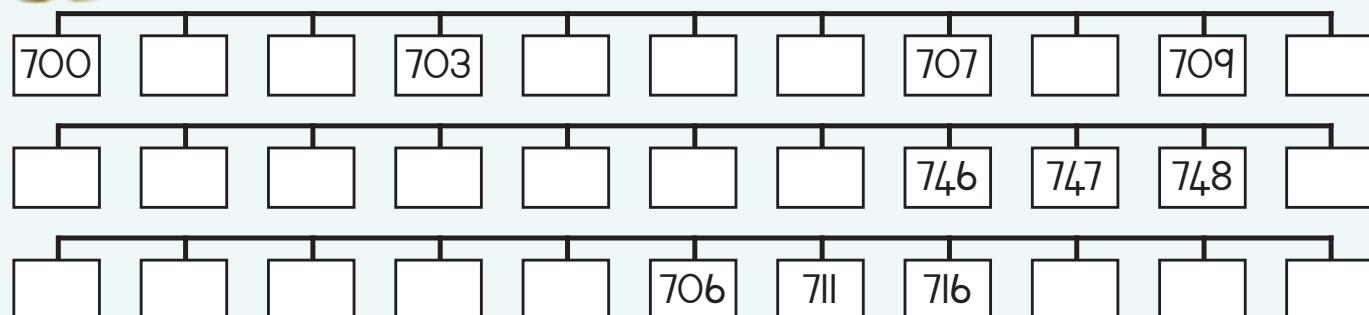
Bala uthole ukuthi amabhulokhi mangaki?



Uwabale kanjani amabhulokhi?



Qedela lo mugqa wezinombolo.



Qedela leli
thebhula.

Bhala usuke kokuncane
uye kokukhulu

Bhala usuke kokukhulu
uye kokuncane

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



Bhala izinombolo ezilandelayo ngamagama.

706

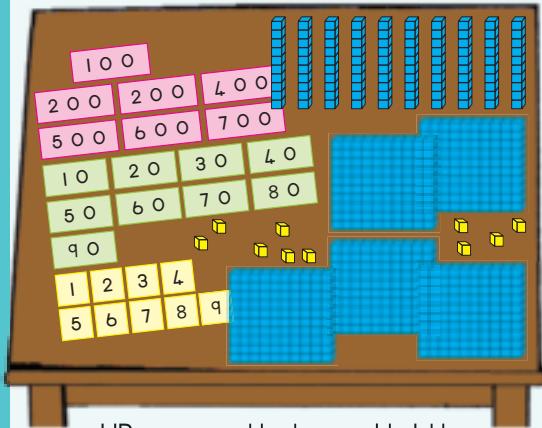
11 12 13 14 15 16 17 18 19 20

71

Izinombolo: ama-700 kuya ema-750

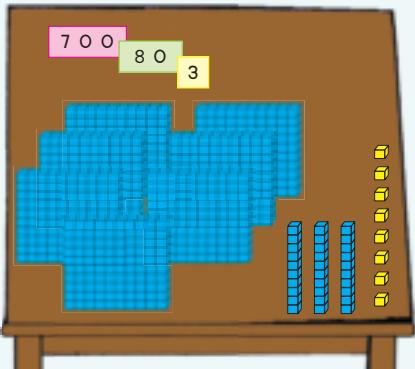
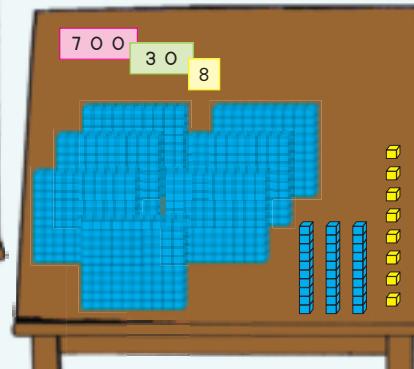
Usuku:

Ithemu 3



Uthisha ucele uPetru aveze inani
lama-738 ngamakhadi namabhulokhi.

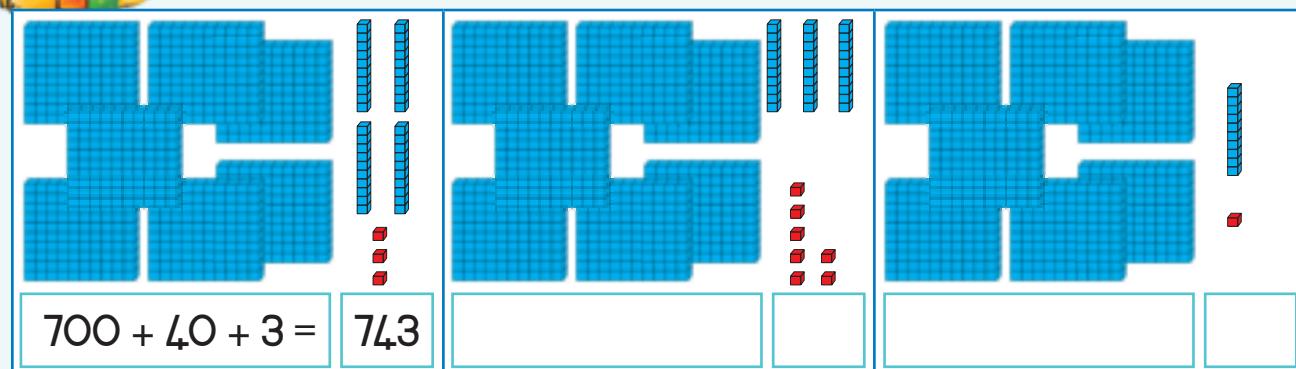
UJabu uvezeku lokhu.
Yini angayenzanga kahle?



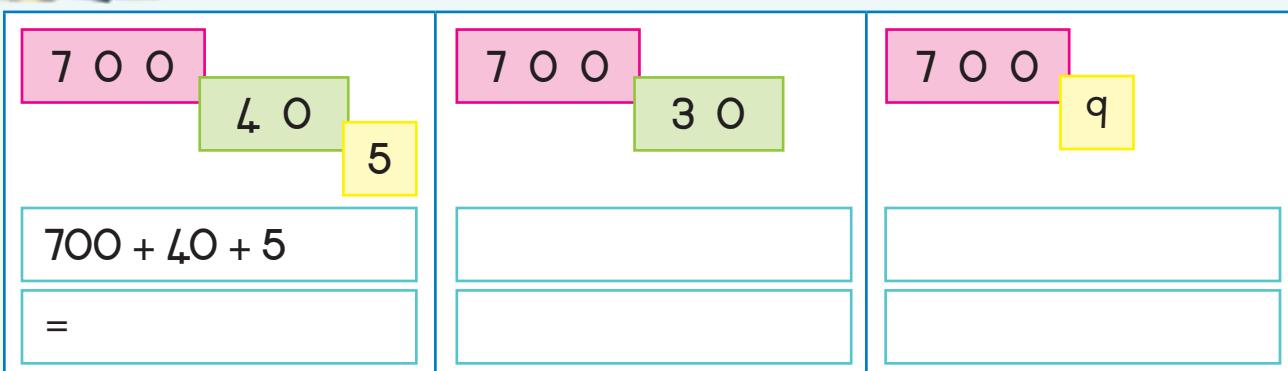
UPetru unamakhadi anamabhulokhi
ezinombolo ezingamashumi.

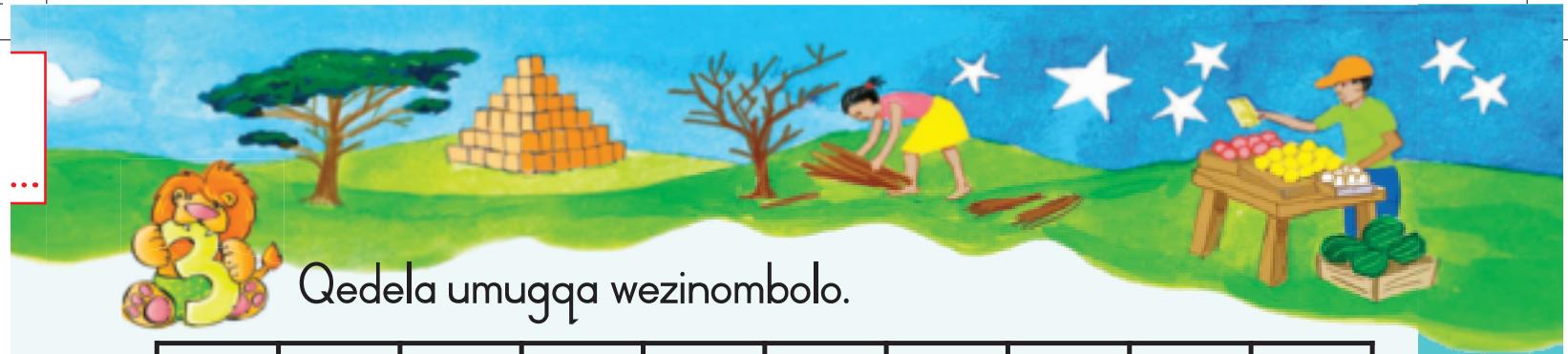


Bhala umusho wezinombolo bese unikeza impendulo.



Bhala umusho wezinombolo bese unikeza impendulo.





Qedela umugqa wezinombolo.

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

Nginikeze zonke izinombolo ezingaphansi kwama-704. _____

Nginikeze zonke izinombolo ezingaphezulu kwama-704. _____



Faka olulodwa lwalezi zimpawu esikhali: <, > noma =

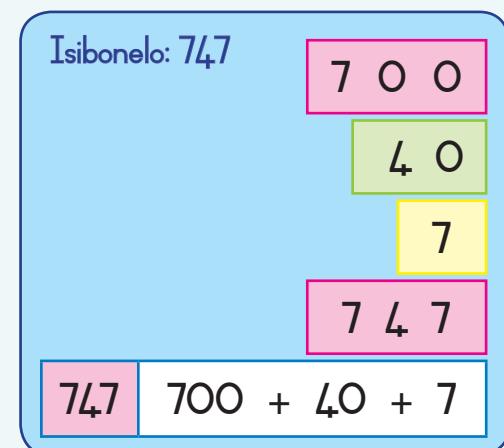
- a. 750 _____ 749 b. 732 _____ 723
c. $700 + 40 + 9$ _____ 749



Hlahlela inombolo yakho.

- a. Yakha inombolo ngayinye ngamakhadi.
b. Bhala izinombolo ezimele idijithi ngalinye. Yenza lokhu-ke manje: Hlahlela inombolo yakho.

750	
728	
703	
730	
749	



Bhala izinombolo ngamagama.

714	
750	
742	
738	
704	



Teacher:
Sign:
Date:

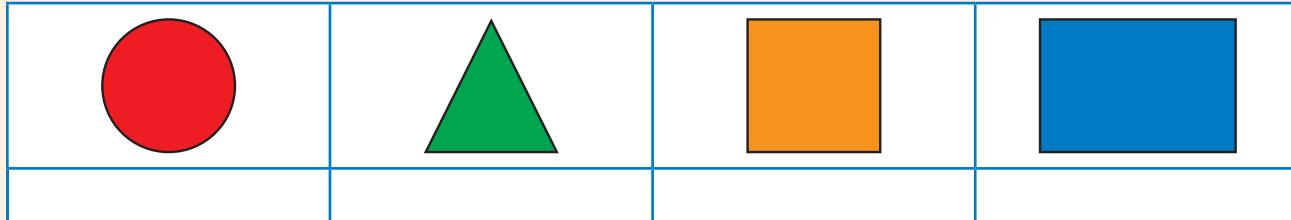
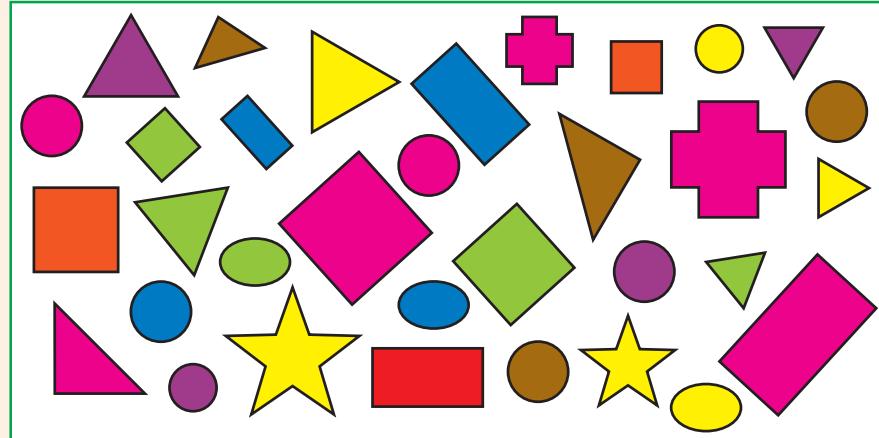
Onhlangothi-mibili

Ithemu 3

Yisho ukuthi kulezi
zimo ngasinye
sinohlangothi
oluqondile yini noma
oluyisiyingi.



Yisho ukuthi isimo sinonqenqema oluqondile yini noma
oluyisiyingi.



Zingaki izimo kwezingezansi
ongazidweba zibe
nonqenqema oluqondile?



Thola izithombe

Thola izimo ezinonqenqema oluqondile
uzidwebe ebhokisini elingeza.

Thola izimo ezinonqenqema olugobile
uzidwebe ebhokisini elingeza.



Qedela lokhu:

	Dweba isimo esibukeka ngezindlela ezingafani.
unxantathu	
unxande	
isikwele	



Qedela leli thebhula:

Nikeza igama lesimo ngasinye	Dweba isimo usenze sibe sincane	Dweba isimo usenze sibe sikhudlwana



Thola izikwele, onxantathu, onxande kanye neziydingi eziwosayizi abahlukene ezitholakala emaphaphandabeni nasemaphaphabukwini.

Zinamathisele zonke ebhokisini elingezansi.



73

Ukususa nokuhlanganisa ema-800

Usuku:

Ithemu 3



Yini engingayithenga ngama-R500?

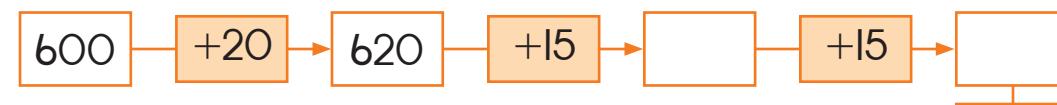
Yiziphi kulezi zinto
engingazithola
ngokukhokha
ama-R500?



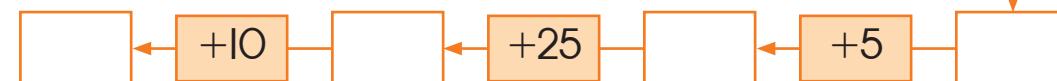
Hlanganisa usukele ema-600.

Bhala izinombolo ezidingekayo.

Qala



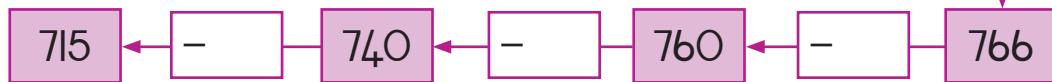
Gcina



Bala usuke ema-800 uhlehle.

Bhala izinombolo "eziguquka" njalo.

Qala



Gcina



Yenza lesi sibalo:

$725 + 53 =$

$664 + 87 =$

$564 + 132 =$

$75 + 717 =$



Yenza lesi sibalo:

UJakobe uthole izimabule ezingama-525.

Uma uSipho emnike ezinye ezingama-205, uJakobe naye ubezoba nezilingana nse nezikaSipho.

- Zingaki izimabule abamele ukuba nazo bobabili zihlanganisiwe?
- Zingaki ezikaSipho eyedwa?

- a.
- b.



74

Okunye ukuhlanganisa nokususa ema-800

Usuku:

.....

Ithemu 3

Iminden iyezinombolo.

Sivumelekile ukwenza iminden iyezinombolo.
Umndeni ngamunye umele ukuba nezinombolo
ezimbili ezinkulu, neyodwa encane.

Yenza izibonelo kube ngoku-4, oku-8 ne-12.

$$4 + 8 = 12 \quad 8 + 4 = 12$$

$$12 - 8 = 4 \quad 12 - 4 = 8$$



Thola le minden.

Bhala imisho emi-4 iyezinombolo eqoqweni ngalinye lezinombolo.

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



Thola izinto ongazihlanganisa.

Kulo msebenzi sizoqala ngokukhomba amaphethini.

$360 - 50 =$ <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"/> $+ 701 = 799$



Uhambo olude.

UMnu Mkhize uvakashela umama wakhe ohlala ebangeni elingama-352 km ngemoto.

Uyama emva kokuhamba i-166 km. Usazohamba kangakanani ngaphambi kokuthi afike?

UKami nakhu akwenzayo:	UPhumla nakhu akubhalayo:
$352 - 166$ $\begin{array}{ccccccc} +4 & +30 & +100 & +52 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 166 & 170 & 200 & 300 & 352 \end{array}$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $\begin{array}{r} 300 + 50 + 2 \\ - 100 + 60 + 6 \\ \hline \end{array}$ $= 300 + 40 + 12$ $\begin{array}{r} 300 + 40 + 12 \\ - 100 + 60 + 6 \\ \hline \end{array}$ $= 200 + 140 + 12$ $\begin{array}{r} 200 + 140 + 12 \\ - 100 + 60 + 6 \\ \hline \end{array}$ $= 100 + 80 + 6$ $= 186 \text{ km}$
UMbali nakhu akwenzayo:	UPetru nakhu akwenzayo:
$352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
UVeronica nakhu akwenzayo:	ULebo ukhumbula ohhafu kanye nokuhamba ngakubili:
$352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	Uhhafu wama-352 yi-176 Kodwa kumele ngithathe i-166, ngakho ngibuyisela i-10. $176 + 10 = 186 \text{ km}$
Chaza izindlela ezingafani zokwenza lokhu. Iujphi oyithanda kakhulu? Ngani?	



Thola impendulo yokulandelayo usebenzise elinye iphepha:

Sebenzisa eyodwa yezindlela ezingenhla.

$746 - 328$

$800 - 499$



75

Ukuhlanganisa nokususa kuye ema-800 futhi

Usuku:

Ithemu 3



Zakhele eyakho imindenzi yezinombolo.

Umsebenzi wokuzijwayeza.

5 12 17



Isibonelo: Yenza i-17

$$5 + 12 = 17$$

$$12 + 5 = 17$$

$$17 - 12 = 5$$

$$17 - 5 = 12$$

$$8 + 9 = 17$$

$$9 + 8 = 17$$

$$17 - 9 = 8$$

$$17 - 8 = 9$$

8 9 17



Hlola!
Qhathanisa!
Hlola!

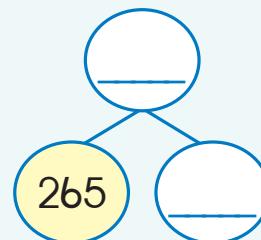
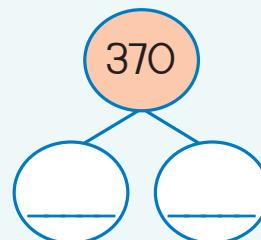
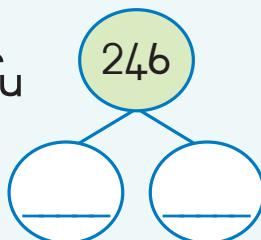
Enombolweni ngayinye ngezansi, khetha ezi-2 wenze ngazo umndeni.

Bhala imisho emi-4 yezinombolo (okubili + nokubili –) emndenini ngamunye wezinombolo.

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



Thola ohhafu
kanye nezinombolo
ezihamba ngazimbili.





Ukuhhafula uma uzosusa.

Uma ukwazi ukuhhafula kanye nokuphinda kibili, ungabuye ukusebenzisele ukuhlanganisa nokususa.

Izibonelo:

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

Ake uzame lokhu:

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



Cwaninga izindlela.

Izingane zingama-256, iyinye ithola isipho sikaKhisimuzi. Uhhafu wazo unikwa onodoli, bese kuthi uhhafu unikwe izimoto. Zingaki izingane ezithola izimoto?

Indlela yoku-1	Indlela yesi-2
$256 = 200 + 50 + 6$ → Uhhafu wama-200 yi-100 → Uhhafu wama-50 ngama-25 → Uhhafu we-6 ngoku-3 $100 + 25 + 3 = 128$ → Uhhafu wama-256 yi-128 Ngakho i-128 lezingane lithola izimoto.	→ Uhhafu wama-250 yi-125 → Uhhafu we-6 ngoku-3 $125 + 3 = 128$ → Uhhafu wama-256 yi-128, Ngakho i-128 lezingane lithola izimoto.



Thola impendulo yokulandelayo usebenzise elinye iphepha:

Sebenzisa eyodwa yezindlela ezingenhla.

Izingane ezingama-728 zinikwa ithoyisi ingane ngayinye esitolo sokudla sasendaweni. Uhhafu uthola amabhulokhi okudlala. Zingaki ezithola amabhulokhi okudlala?

Izingane ezingama-642 zinikwa imafini ingane ngayinye. Uhhafu uthola amamafini anoshokoledi. Zingaki ezithola amamafini kashokoledi?



76

Amaphethini ezinombolo: amashumi kokungama-800

Usuku:

Ithemu 3



Yini ongayisho ngezinombolo ezisemabhulokhini afakwe umbala?

Thola amashumi ase-710 kuya ema-800. Yini elandela emva kwama-720 uma ubala ngamashumi?

Ukubala ngamashumi uhlehlle usuka ema-800 uya ema-710. Yini engaphambili kwama-760 uma ubala uhlehlla?

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



Qedela imisho yezinombolo.

720; 730; 740; _____ ; _____ ; _____

800; 790; 780; _____ ; _____ ; _____



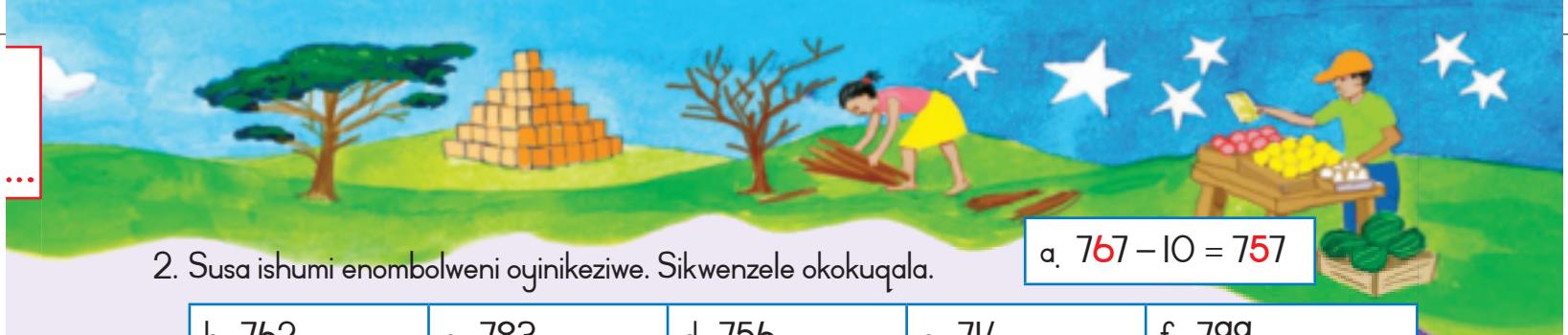
Hlanganisa noma ususe ishumi.

- I. Hlanganisa ishumi nenombolo oyinikeziwe.
Sikwenzele okokuqala.

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. Susa ishumi enombolweni oyinikeziwe. Sikwenzele okokuqala.

a. $767 - 10 = 757$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____

3. Kwenzekani uma uhlanganisa noma ususa ishumi ezinombolweni ezingenhlá?



Buka iziyangi ezibomvu ebhodini lezinombolo.

a. Yini oyibona kulezi ziyangi? _____

b. Yelula lolu hide olulandelayo lwezinombolo:

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

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

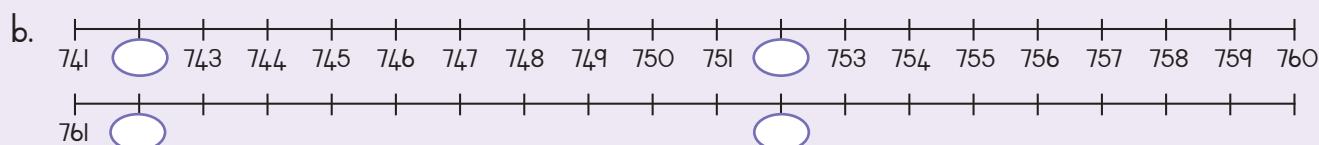
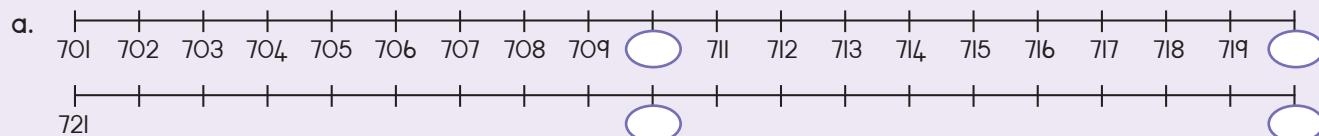
$715; 725; 735; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

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

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



Gcwalisa inombolo efanele esiyangini ngasinye kule migqa yezinombolo.



Nginenombolo enamadjithi ama-3.



Idijithi lokuqala yisi-7, elilandelayo limele oku-l ngaphezulu kwesikhombisa, elokugcina idijithi lingaphansi kwesikhombisa.

Uma ubala uqhubeka ngamashumi usuka kule nombolo, iyiphi inombolo ozoyithola?



11 12 13 14 15 16 17 18 19 20

77

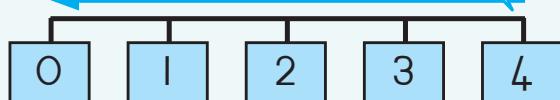
Usuku:

Ukusondezela eshumini

Ithemu 3

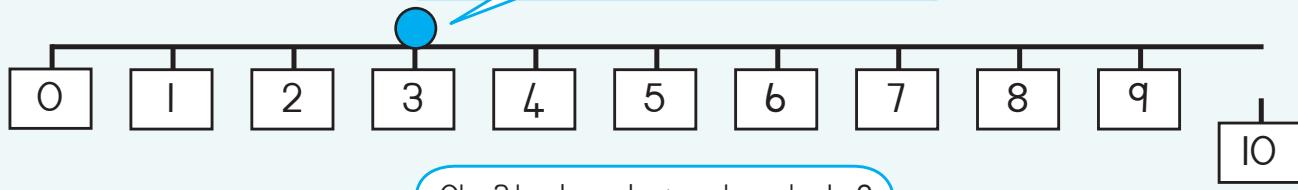
Zonke izinombolo ezhilehlayo ezisuka koku-4 zidinga ukusondezelwa e-O.

Zonke izinombolo eziqhubeka koku-5 zidinga ukusondezelwa e-10.

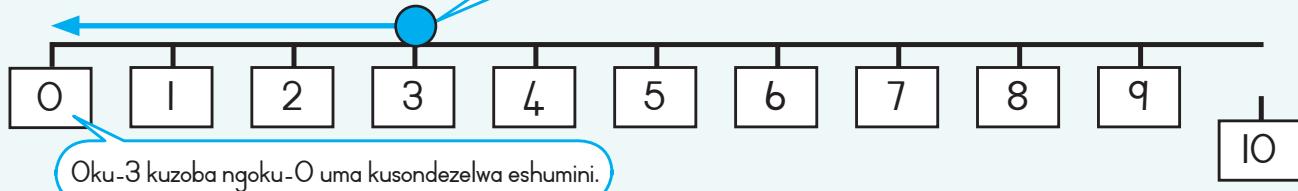


Masikhulume.

Oku-3 kuzoba ngokungaki uma kusondezelwa eshumini?



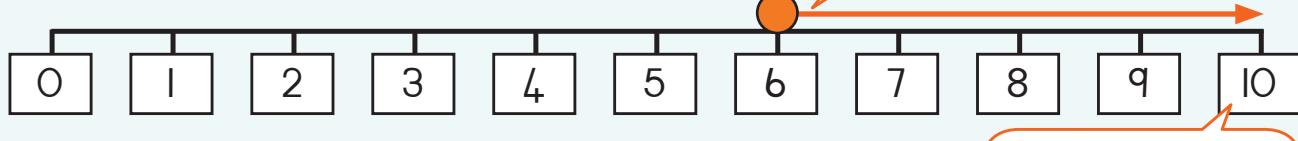
Oku-3 kuzoba ngubani uma kusondezelwa?



Oku-3 kuzoba ngoku-0 uma kusondezelwa eshumini.

Yenza okufanayo ngalezi:

Oku-6 kuzoba ngokungaki uma kusondezelwa eshumini?

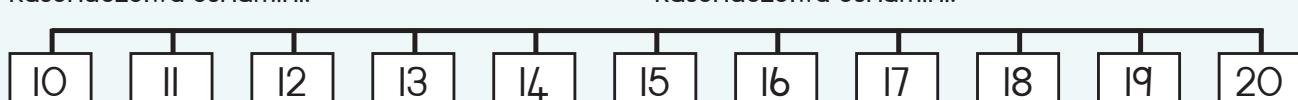


Impendulo ithi kuzoba yi-10.

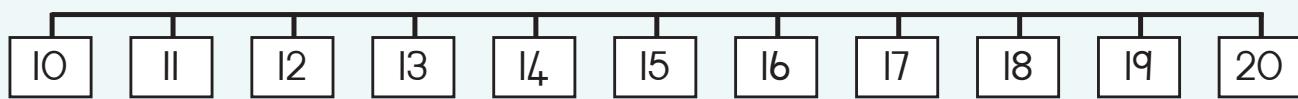


Sondezela eshumini.

Okuyi-12 kuzoba ngoku-_____ uma kusondezelwa eshumini.

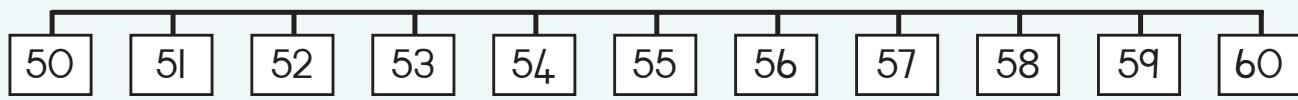


Okuyi-19 kuzoba ngoku-_____ uma kusondezelwa eshumini.



Ama-58 azoba ngama-_____ uma esondezelwa eshumini eliseduze.

Ama-59 azoba ngama-_____ uma esondezelwa eshumini eliseduze.



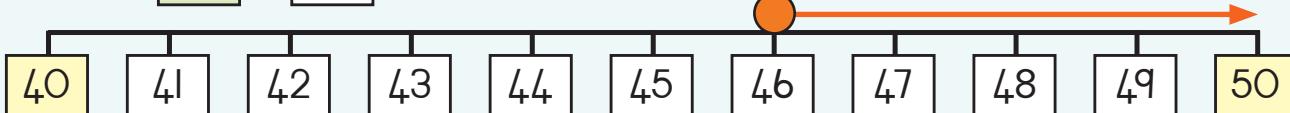
1 2 3 4 5 6 7 8 9 10



Sondezela e-10 eliseduze usebenzisa umugqa wezinombolo ozokusiza.

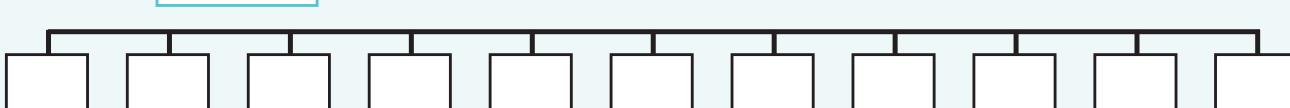
a. 46 **46** 50

Uphakathi kwamaphi amashumi amabili u-46?



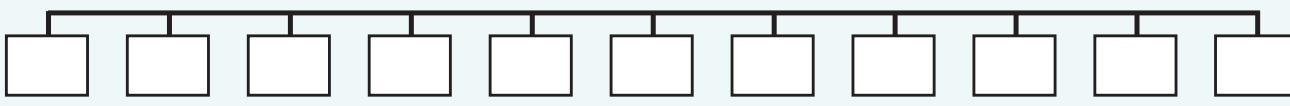
b. 63

Uphakathi kwamaphi amashumi amabili u-63?



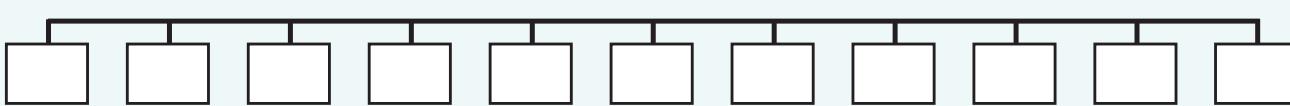
c. 37

Uphakathi kwamaphi amashumi amabili u-37?



d. 99

Uphakathi kwamaphi amashumi amabili u-99?



UThomi unama-R48,00.



Iphakethe lamakhadi alitholile limbize ama-R5,00.

Uzokwazi ukuthenga amangaki esewonke amakhadi ngama-R48,00? _____



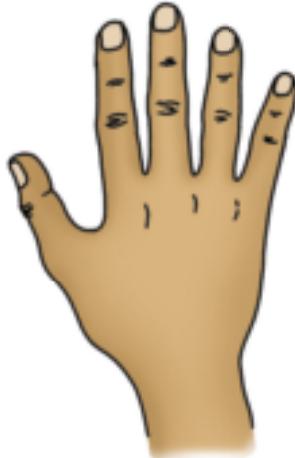
Ukuphindaphinda:

kusuka kokuhlanu kuya kokungama-75

Usuku:

Ithemu 3

Yini enokungakuhanu?
Iminwe yesandla esisodwa:



Mingaki iminwe:

- 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

Qondanisa isibalo nombuzo
ongakwesokunxele:

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



Qedela ithebhula.

Amaqembu	Phindaphinda	Ukuhlukanisa	Hlukanisa
Amaqembu ama-2 anokungaku-5	$2 \times 5 = 10$	Ukuhlukanisa okuyi-10 ngoku-5	$10 \div 5 = 2$
Amaqembu ama-7 anokungaku-5		Ukuhlukanisa okungama-35 ngoku-5	
Amaqembu ayi-12 anokungaku-5		Ukuhlukanisa okungama-60 ngoku-5	
Amaqembu ayi-15 anokungaku-5		Ukuhlukanisa okungama-75 ngoku-5	

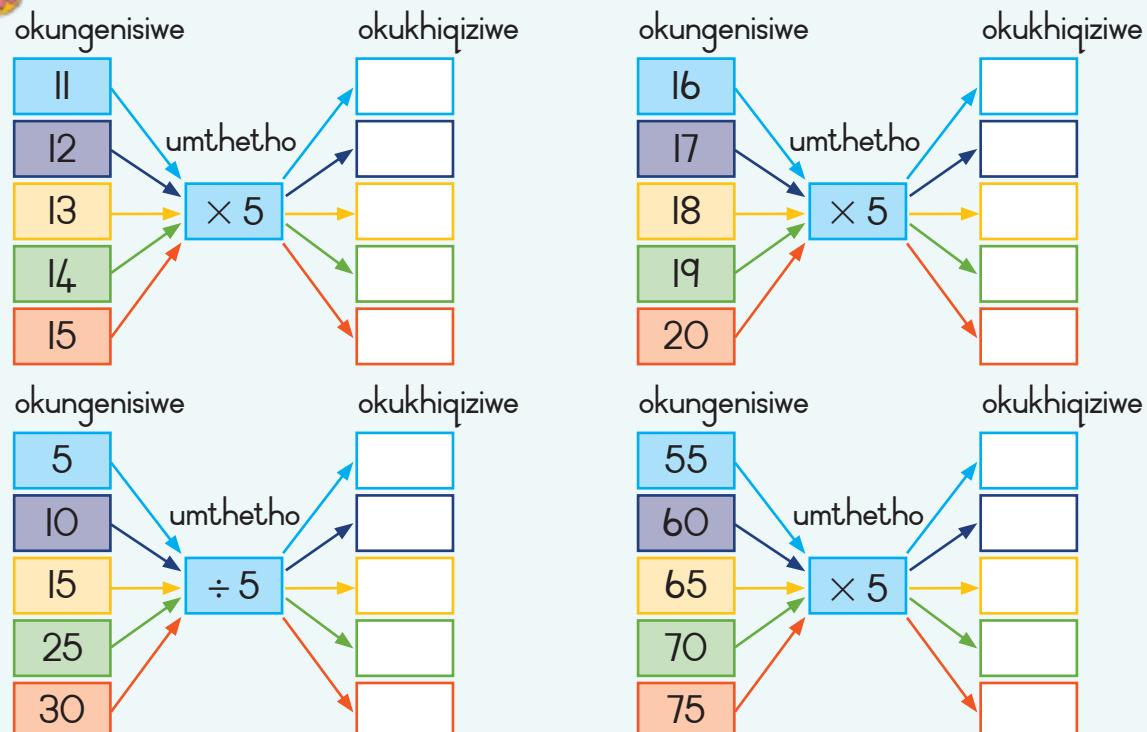


Qedela ithebhula.

Ukuhlukanisa	Hhukanisa
Ukuhlukanisa okuyi-12 ngoku-5	$12 \div 5 = 2$ okusele 2
Ukuhlukanisa okungama-64 ngoku-5	
Ukuhlukanisa okungama-39 ngoku-5	
Ukuhlukanisa okungama-73 ngoku-5	



Qedela ishadi lokulandelanayo.



Qedela ithebhula elinqezansi.

Uyithole kanjani impendulo emabhu lokhini anombala osasibhakabhaka?



Xazulula okulandelayo.

Umama uthenge amaphakethe amaswidi ema-R70.
Ukhokhe ama-R5 ngephakethe ngalinye.
Uthenqe amaphakethe amangaki amaswidi?



79

Amaphethini ezinombolo: okuhlanu kuyiwa ema-800

Usuku:

Ithemu 3



Yini ongayisho ngezinombolo ezisemabhulokhini
asawolintshi?

Bala okungaku-5 ema-705 kuya
ema-800. Yini eza emva
kwama-720 uma ubala ngakuhlanu?

Bala ngakuhlanu uhlehle usuke ema-800
uye ema-705. Yini engaphambili kwama-730
uma ubala uhlehla?

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



Qedela imisho yezinombolo.

725; 730; 735; _____ ; _____ ; _____	800; 795; 790; _____ ; _____ ; _____
--------------------------------------	--------------------------------------



Hlanganisa noma ususe okuhlanu.

- I. Hlanganisa okuhlanu nenombolo oyinikiwe.
Sikwenzele okokuqala.

a. $760 + 5 = 765$

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



2. Susa okuhlanu enombolweni oyinikiwe. Sikwenzele okokuqala.

$$a. 765 - 5 = 760$$

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

3. Kwenzekani uma ususa noma uhlanganisa okuhlanu ezinombolweni ezingenhla?



Buka iziyangi ezibomvu ebhodini lezinombolo.

a. Ubonani kulezi ziyangi? _____

b. Yelula lolu hide lwezinombolo:

703; 708; 713; _____ ; _____ ; _____

722; 727; 732; _____ ; _____ ; _____

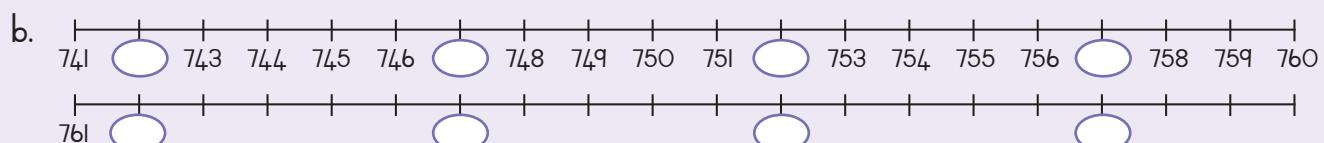
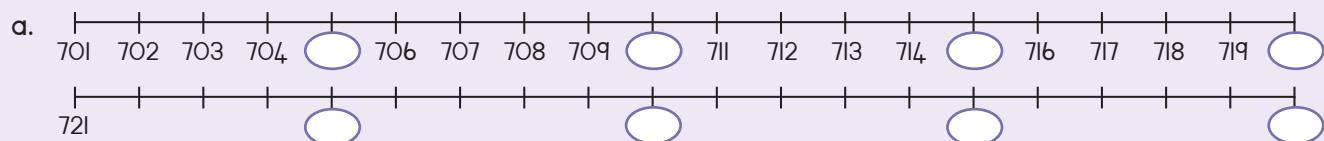
753; 758; 763; _____ ; _____ ; _____

714; 719; 724; _____ ; _____ ; _____

701; 706; 711; _____ ; _____ ; _____



Gcwalisa inombolo efanele esiyangini kule
migqa yezinombolo.



Nginenombolo enamadjithi ama-3.



Idijithi lokuqala yisi-7, elilandelayo limele oku-l ngaphezulu kwesikhombisa,
elokugcina idijithi lingaphansi kwesikhombisa.

Uma ubala ngakuhlanu uqhubeka usuka kule nombolo, iyiphi inombolo ozoyithola?

Teacher:
Sign:
Date:

Ubusuku nemini



ICape Town

Ithebhula elingezi likhombisa ukuphuma kwelanga nokushona kwalo ngezikathathi ezahlukahlukene onyakeni eCape Town. Funda izikhathi ethebhuleni bese ugcwala isithebhula lonke ngaphambi kokuphendula imibuzo engezansi.



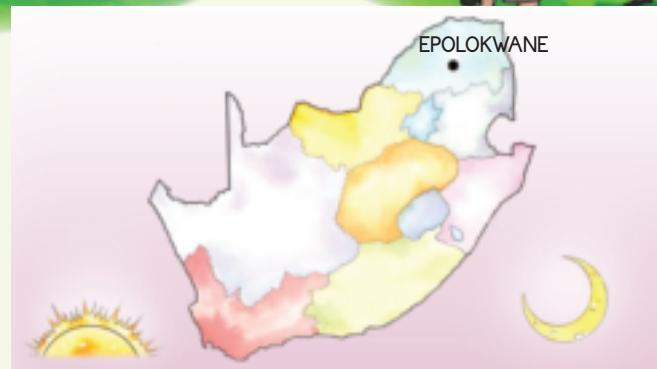
ECape Town	Ukuphuma kwelanga	Ukushona kwelanga	Ubude bemini	Ubude bobusuku
Zingama-23 kuNdasa	6:53 am	6:53 pm		
Zingama-21 kuNhlangulana	7:51 am	5:44 pm		
Ziyi-19 kuMandulo	6:41 am	6:41 pm		
Zingama-22 kuZibandlela	5:32 am	7:58 pm		

- Kukuziphi izinyanga lapho imini nobusuku kulingana khona ngobude? _____
- Iyiphi inyanga enemini ende? _____
- Iyiphi inyanga enemini emfushane? _____
- Thola umahluko phakathi kwamahora nemizuzu phakathi kwemini ende kunazo zonke kanye nemfushane kunazo zonke. _____
- Thola ubude bemini nobusuku kwalolo nalolo lusuku ethebhuleni elingenhla.



EPolokwane

Ithebhula elingezi sani likhombisa ukuphuma kwelanga nokushona kwalo ngezikathathi ezahlukahlukene onyakeni ePolokwane. Funda izikhathathi ethebhuleni bese ugcwalisa ithebhula lonke ngaphambi kokuphendula imibuzo engezansi.



EPolokwane	Ukuphuma kwelanga	Ukushona kwelanga	Ubude bemini	Ubude bobusuku
Zingama-25 kuNdasa	6:08 am	6:08 pm		
Zingama-21 kuNhlangulana	6:44 am	5:24 pm		
Ziyi-17 kuMandulo	5:57 am	5:57 pm		
Zingama-22 kuZibandlela	5:13 am	6:50 pm		

- a. Kukuziphi izinyanga lapho imini nobusuku kulingana khona ngobude? _____
- b. Kukuziphi izinyanga kulezi lapho ubude bemini bulingana khona eCape Town nasePolokwane? _____
- c. Kukuziphi izinyanga lapho kunokwehlukana khona? _____
- d. Thola umahluko phakathi kwamahora nemizuzu phakathi kwemini ende kunazo zonke kanye nemfushane kunazo zonke. _____
- e. Thola **ubude bemini nobusuku** kwalolo nalolo lusuku ethebhuleni elingenhla.. _____



Cela othile ozokusiza ukuthola ukuthi ilanga liphuma nini lishone nini ngakini. Bhala lokhu ulandele isonto libe linye.

Ngabe imini iyafinyela noma iyeluleka?



Ukuphindaphinda:

okungakubili kuze kufinyelele ema-75

Usuku:

Ithemu 3

Yini ehamba ngambilil?
Yipheya lezicathulo.



Qedela ithebhula.

Zingaki izicathulo kula mapheya?

Ipheya eli-1 lezicathulo?

- Amapheya a-2
- Amapheya a-3
- Amapheya a-4
- Amapheya a-5
- Amapheya ayi-6
- Amapheya ayi-7
- Amapheya ayi-8
- Amapheya ayi-9
- Amapheya ayi-10

Qondanisa isibalo nombuzo
ongakwesokunxele:

$$\begin{aligned}
 1 \times 2 &= 2 \\
 9 \times 2 &= 18 \\
 7 \times 2 &= 14 \\
 2 \times 2 &= 4 \\
 4 \times 2 &= 8 \\
 3 \times 2 &= 6 \\
 5 \times 2 &= 10 \\
 10 \times 2 &= 20 \\
 6 \times 2 &= 12 \\
 8 \times 2 &= 16
 \end{aligned}$$

Amaqoqo

Phindaphinda

Ukuhlukanisa

Hlukanisa

Amaqoqo ayi-10 ezinto ezhamba
nga-2

$10 \times 2 = 20$

Hlukanisela abantu aba-2 izinto
ezingama-20

$20 \div 2 = 10$

Amaqoqo ayi-15 ezinto ezhamba
nga-2Hlukanisela abantu aba-2 izinto
ezingama-30Amaqoqo angama-20 ezinto
ezihamba nga-2Hlukanisela abantu aba-2 izinto
ezingama-40Amaqoqo angama-35 ezinto
ezihamba nga-2Hlukanisela abantu aba-2 izinto
ezingama-70

Qedela ithebhula.

Ukuhlukanisa

Hlukanisa

Hlukanisela abantu aba-2 izinto ezingama-21

$21 \div 2 = 10$ kusala 1

Hlukanisela abantu aba-2 izinto ezingama-33

Hlukanisela abantu aba-2 izinto ezingama-67

Hlukanisela abantu aba-2 izinto ezingama-75



Qedela ishadi lokulandelanayo.

okungenisiwe

II
I2
I5
I7
20

okukhiqiziwe

okungenisiwe

22
26
31
30
35

okukhiqiziwe

okungenisiwe

20
26
32
38
44

okukhiqiziwe

okungenisiwe

50
60
68
72
74

okukhiqiziwe



Qedela la mathebhula angezansi:

\times	1	2	3	4	5	6	7	8	9	10	II	I2	I3	I4	I5	I6	I7	I8	I9	20
2																				

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



Xazulula lesi sibalo:

Ngithenge amaswidi angama-36 ngama-R2.

Ngikhokhe ama-R50, R20 kanye nama-R5 ayizinhlamvu.

Ungakanani ushintshi wami?



II I2 I3 I4 I5 I6 I7 I8 I9 20

Amaphethini ezinombolo: ezingambili kuya ema-800

Usuku:



Yini ongayisho ngezinombolo ebhulokhini
elinombala osawolintshi?

Bala uhlehlle ngaku-2, usuke ema-700 uye
ema-800.

Iyiphi inombolo eza emva kwama-700 uma
ubala ngakubili?

Bala uhlehlle usuke ema-800 uye ema-710.

Iyiphi inombolo eza ngaphambi kwama-750
uma ubala uhlehlle?

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



Qedela lezi zinombolo.

720; 722; 724; _____ ; _____ ; _____

800; 798; 796; _____ ; _____ ; _____



Hlanganisa noma ususe okubili.

a. $764 + 2 = 766$

I. Hlanganisa okubili enombolweni oyinikiwe. Sikwenzele okokuqala.

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



2. Susa okubili enombolweni oyinikiwe. Sikwenzele okokuqala.

$$a. 764 - 2 = 762$$

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

3. Kwenzekani uma uhlanganisa noma ususa okubili ezinombolweni ezingenhla?



Buka iziydingi ezisasibhakabhaka ebhodini lezinombolo.

a. Yini ongajisho ngalezi ziydingi? _____

b. Yelula lezi zinombolo:

701; 703; 705; _____ ; _____ ; _____

783; 785; 787; _____ ; _____ ; _____

725; 727; 729; _____ ; _____ ; _____

779; 781; 783; _____ ; _____ ; _____

799; 797; 795; _____ ; _____ ; _____



Gcwalisa inombolo efanele esiydingini ngasinye kule migqa yezinombolo.

- a.
- | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 701 | 703 | 705 | 707 | 709 | 711 | 713 | 715 | 717 | 719 |
| 721 | | | | | | | | | |
-
- b.
- | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 741 | 743 | 744 | 745 | 747 | 748 | 749 | 750 | 751 | 753 | 754 | 755 | 757 | 758 | 759 | 760 |
| 761 | | | | | | | | | | | | | | | |



Nginenombolo enamadijithi ama-3.



Idijithi lokuqala yisi-7, elilandayo likhulu ngokubili kunesi-7, bese kuthi elokugcina lincane ngokune kunesi-7.

Uma ungabala uqhubeku ubala ngakubili usukela kule nombolo, leyo nombolo iyiphi?



83

Ukuphindaphinda: ngaku-2 nangaku-5 kuze kuyofinyelela ema-75

Usuku:

Ithemu 3



Ungathatha isikhathi esingakanani ukuphendula lokhu?

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



Bona ukuthi umngani
wami wenzeni.

Xoxa ngalokhu.

$$4 \times 2 = 8$$

Umngani wami uveze u- 4×2 kanje:

Ungabali/ amaqiniso	Amaqoqo alinganayo	Ukuhlanganisa okuphindaphindiwe	Amaqoqo	Amaqiniso
2, 4, 6, 8	● ● ● ● ● ● ● ●	$2 + 2 + 2 + 2$	xx xx xx xx	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

Yenza okufanayo ngalokhu $4 \times 5 = 20$.

Ungabali	Amaqoqo alinganayo	Ukuhlanganisa okuphindaphindiwe	Amaqoqo	Amaqiniso



Xazulula lesi sibalo:

$$24 \times 3$$

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

a. 13×3

b. 18×3

c. 12×5

d. 21×3

e. 14×3

f. 25×3

g. 12×3

h. 15×5



Xazulula lesi sibalo:

Ngithenge amaswidi ayi-14 ngama-R3 liliye.
Umngani wami uthenge amaswidi ayi-12 ngama-R5 liliye.
Sikhokhe malini sobabili seyihlanganisiwe?



Ukuphindaphinda: ngakuthathu kuze kuyofinyelela ema-75

Usuku:

Ithemu 3

Yini evame ukuhamba
ngantathu?
Amasondo ebhayisikili
elingusondo-ntathu.



Lokhu kunamasondo amangaki?
Usondo-ntathu o-l onamasondo amathathu

Osondo-ntathu aba-2?

- Osondo-ntathu aba-3
- Osondo-ntathu aba-4
- Osondo-ntathu aba-5
- Osondo-ntathu abayi-6
- Osondo-ntathu abayi-7
- Osondo-ntathu abayi-8
- Osondo-ntathu abayi-9
- Osondo-ntathu abayi-10

Qondanisa isibalo
nombuzo
ongakwesokunxele:

$$\begin{aligned} 9 \times 3 &= 27 \\ 7 \times 3 &= 21 \\ 2 \times 3 &= 6 \\ 4 \times 3 &= 12 \\ 3 \times 3 &= 9 \\ 5 \times 3 &= 15 \\ 1 \times 3 &= 3 \\ 10 \times 3 &= 30 \\ 6 \times 3 &= 18 \\ 8 \times 3 &= 24 \end{aligned}$$

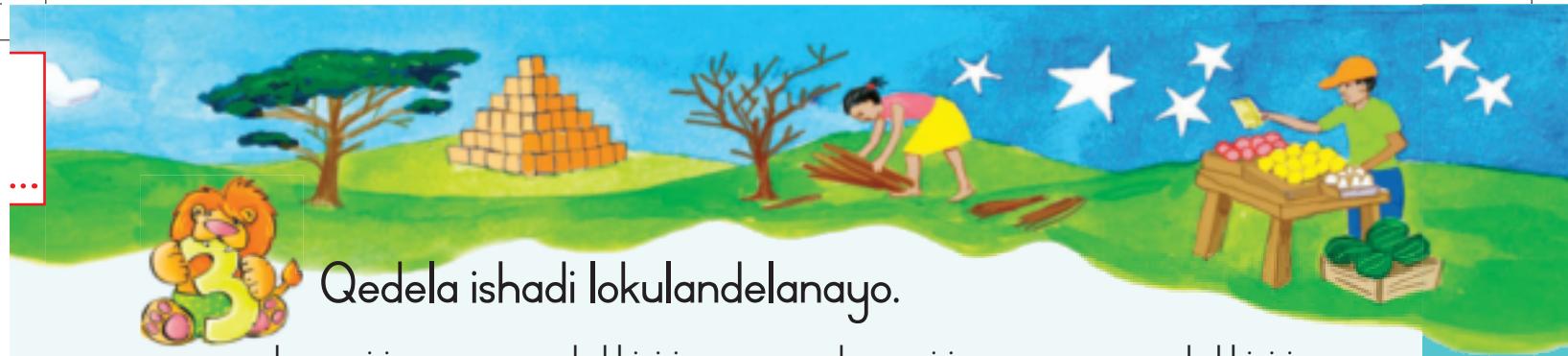
Qedela ithebhula.

Amaqoqo	Phindaphinda	Ukuhlukanisa	Hlukanisa
Amaqoqo ayi-11 ezinto ezhamba nga-3	$11 \times 3 = 33$	Hlukanisela abantu aba-3 izinto ezingama-33	$33 \div 3 = 11$
Amaqoqo ayi-15 ezinto ezhamba nga-3		Hlukanisela abantu aba-3 izinto ezingama-45	
Amaqoqo angama-25 ezinto ezihamba nga-3		Hlukanisela abantu aba-3 izinto ezingama-60	
Amaqoqo ayi-12 ezinto ezhamba nga-3		Hlukanisela abantu aba-3 izinto ezingama-36	



Qedela ithebhula.

Ukuhlukanisa	Hlukanisa
Hlukanisela abantu aba-3 izinto ezingama-37	$37 \div 3 = 12$ kusala 1
Hlukanisela abantu aba-3 izinto ezingama-74	
Hlukanisela abantu aba-3 izinto ezingama-49	
Hlukanisela abantu aba-3 izinto ezingama-68	



Qedela ishadi lokulandelanayo.

okungenisiwe

I0

I2

I4

I6

22

okukhiqiziwe

okungenisiwe

II

I3

I5

23

25

okukhiqiziwe

okungenisiwe

I8

30

36

42

75

okukhiqiziwe

okungenisiwe

I2

63

66

69

75

okukhiqiziwe



Qedela la mathebhula angezansi:

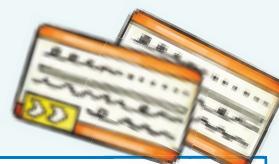
\times	1	2	3	4	5	6	7	8	9	10	II	I2	I3	I4	I5
4	3	6													

\times	I6	I7	I8	I9	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
4															

Uyithole kanjani impendulo emabhulokhini anombala osasibhakabbaka?



Xazulula lesi sibalo:



Ingane ngayinye beyingena ngama-R3 kwase kungena izingane ezingama-23 epaki.
Zikhokhe malini sekukonke?



II I2 I3 I4 I5 I6 I7 I8 I9 20

85

Ukuphindaphinda: ngaku-2, ngaku-3

nangaku-4 kuze kuyofinyelela ema-75

Usuku:

Ithemu 3



Ungathatha isikhathi esingakanani ukuphendula lokhu?

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



Bona ukuthi umngani wami wenzeni.

Xoxa ngalokhu.

$5 \times 2 = 10$

Ngiqale ngaveza 5×2 kanje:

Ungabali	Amaqoqo alinganayo	Ukuhlanganisa okuphindaphindekayo	Amaqoqo	Amaqiniso
2, 4, - --	• • - - -	2 + - - -	umugqa wesi-2 xx	$2 \times - = -$ $4 \times - = -$ $- \div - = -$ $- \div - = -$

Yenza okufanayo futhi lapha $8 \times 3 = 24$.

Ungabali	Amaqoqo alinganayo	Ukuhlanganisa okuphindaphindekayo	Amaqoqo	Amaqiniso

$6 \times 4 = 24$

Ungabali	Amaqoqo alinganayo	Ukuhlanganisa okuphindaphindekayo	Amaqoqo	Amaqiniso



Hlukanisa bese uhlola impendulo 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. $64 \div 5$



Xazulula lesi sibalo:



Mina nabangani bami sinama-R63 uma seyiphelele imali yethu.
Kwenzekani uma sifuna ukuhlukaniselana ngokulinganayo sobathathu?



Amaphethini ezinombolo:

ngaku-3 kuze kuyofinyelela ema-800

Usuku:



Yini ongayisho ngezinombolo
ezisemabhulokhini anombala osawolintshi?

Bala ngaku-3 usuke ema-703 uye ema-799.
Iyiphi inombolo eza emva kwama-745 uma
ubala ngakuthathu?

Bala uhlehlle usuke ema-799 uye ema-703.
Iyiphi inombolo eza ngaphambili kwama-766
uma ubala uhlehlle?

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



Qedela lezi zinombolo.

703; 706; 709; _____; _____; _____

799; 796; 793; _____; _____; _____



Hlanganisa noma ususe oku-3.

I. Hlanganisa okuthathu enombolweni
enikeziwe. Sikwenzele okokuqala.

a. $766 + 3 = 769$

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

1 2 3 4 5 6 7 8 9 10



2. Susa okuthathu enombolweni oyinikiwe. Sikwenzele okokuqala.

a. $766 - 3 = 763$

b. 763 _____

c. 789 _____

d. 756 _____

e. 713 _____

f. 799 _____

3. Kwenzekani uma uhlanganisa noma ususa okuthathu ezinombolweni ezingenhla?



Buka iziyangi ezisasibhakabhaka ebhodini lezinombolo.

a. Yini eqaphelekayo kulezi ziyangi? _____

b. Yelula lezi zinombolo:

$704; 707; 710; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$782; 785; 788; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

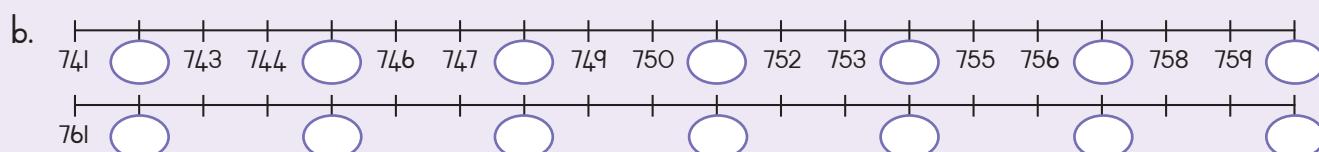
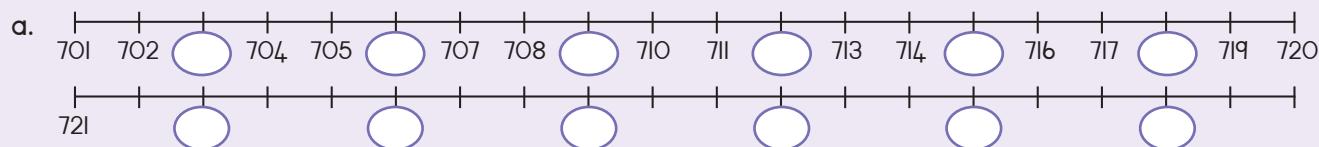
$773; 776; 779; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$779; 782; 785; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$779; 776; 773; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$



Gcwalisa inombolo efanele esiyingini ngasinye kule migqa yezinombolo.



Nginenombolo enamadjithi ama-3:

Idijithi lokuqala yisi-7, elilandelayo likhulu ngokubili kunesi-7, elokugcina lincane ngokuyisi-7 kunesi-7.



Manje bala ngakuthathu uye phambili usukele kule nombolo. Uthola yiphi inombolo?



Ukuphindaphinda: ngaku-4 uye ema-75

Usuku:

Ithemu 3

Yizini ezivame ukuhamba
ngazi-4?
Amasondo emoto.



Qedela ithebhula.

Mangaki amasondo kulokhu
Imoto e-1?

Izimoto ezi-2?

Izimoto ezi-3?

Izimoto ezi-4?

Izimoto ezi-5?

Izimoto eziyi-6?

Izimoto eziyi-7?

Izimoto eziyi-8?

Izimoto eziyi-9?

Izimoto eziyi-10?

Qondanisa isibalo nombuzo
ongakwesokunxele:

$$9 \times 4 = 36$$

$$7 \times 4 = 28$$

$$\textcolor{orange}{2} \times \textcolor{orange}{4} = \textcolor{orange}{8}$$

$$4 \times 4 = 16$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$

$$1 \times 4 = 4$$

$$10 \times 4 = 40$$

$$6 \times 4 = 24$$

$$8 \times 4 = 32$$

Amaqoqo ayi-12 ezinto ezhamb
nga-4

$$12 \times 4 = \textcolor{red}{48}$$

Hlukanisela abantu aba-4 izinto
ezingama-**48**

$$\textcolor{red}{48} \div 4 = 12$$

Amaqoqo ayi-16 ezinto ezhamb
nga-4

Hlukanisela abantu aba-4 izinto
ezingama-**64**

Amaqoqo ayi-18 ezinto ezhamb
nga-4

Hlukanisela abantu aba-4 izinto
ezingama-**72**

Amaqoqo ayi-15 ezinto ezhamb
nga-4

Hlukanisela abantu aba-4 izinto
ezingama-**60**



Qedela ithebhula.

Hlukanisela abantu aba-4 izinto ezingama-**35**

$$\textcolor{red}{35} \div 4 = 8 \text{ kusala } 3$$

Hlukanisela abantu aba-4 izinto ezingama-**55**

Hlukanisela abantu aba-4 izinto ezingama-**70**

Hlukanisela abantu aba-4 izinto ezingama-**75**



Qedela ishadi lokulandelanayo.

okungenisiwe

I0
II
I3
I4
I5

okukhiqiziwe

okungenisiwe

I6
32
44
60
72

okukhiqiziwe

okungenisiwe

q
I2
I6
I7
I8

okukhiqiziwe

okungenisiwe

40
52
56
64
68

okukhiqiziwe



Qedela la mathebhula angezansi:

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

\times	I6	I7	I8	I9	I0	I1	I2	I3	I4	I5	I6	I7	I8	I9	I0
4															

Uyithole kanjani impendulo emabhulokhini anombala osasibhakabhaka?



Xazulula lesi sibalo:

Nginama-R75.

Zingaki izipho ezincane zephathi ongazithenga ngama-R4?



Teacher:
Sign:
Date:

II I2 I3 I4 I5 I6 I7 I8 I9 20

Amaphethini ezinombolo:

ngaku-4 kuze kuyofinyelela ema-800

Usuku:



Yini ongayisho ngezinombolo ezisebhulokini
elinombala osawolintshi?

Bala ngakune usuke ema-704 uye ema-800.
Iyiphi inombolo engemuva kwama-736 uma ubala
ngakune?

Bala ngakune uhlehlle usukele ema-800
uye ema-704. Iyiphi inombolo engaphambili
kwama-776 uma ubala uhlehlla?

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



Qedela lezi zinombolo.

704; 708; 712; _____ ; _____ ; _____

724; 728; 732; _____ ; _____ ; _____



Hlanganisa noma ususe oku-4.

- I. Hlanganisa okune enombolweni oyinikiwe.
Sikwenzele okokuqala.

a. $764 + 4 = 768$

b. 764 _____

c. 788 _____

d. 754 _____

e. 718 _____

f. 794 _____



2. Susa okune enombolweni oyinikiwe. Sikwenzele okokuqala.

a. $764 - 4 = 760$

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

3. Kwenzekani uma uhlanganisa noma ususa okune ezinombolweni ezingenhlá?



Buka iziyangi ezisasibhakabhaka ebhodini lezinombolo.

a. Yini ongayisho ngalezi ziyangi? _____

b. Yelula lezi zinombolo:

703; 707; 711; _____ ; _____ ; _____

783; 779; 775; _____ ; _____ ; _____

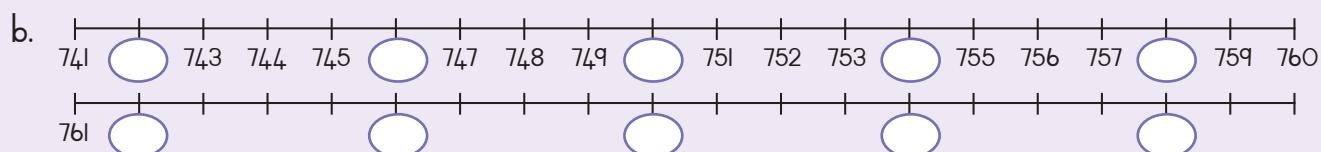
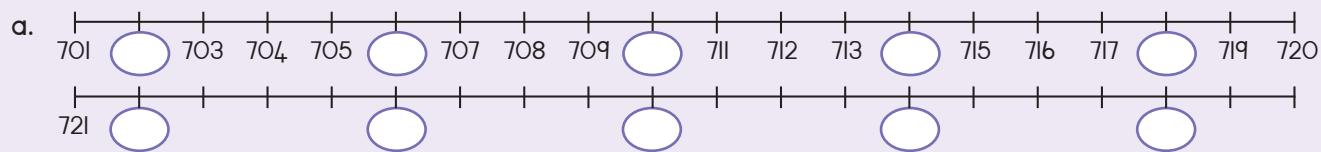
773; 777; 781; _____ ; _____ ; _____

799; 795; 791; _____ ; _____ ; _____

711; 715; 719; _____ ; _____ ; _____



Gcwalisa inombolo efanele esiyangini ngasinye kule
migqa yezinombolo.



Nginenombolo enamadijithi ama-3.

Idijithi lokuqala yisi-7, elilandayo likhulu ngokukodwa kunesi-7,
elokugcina lincane ngoku-3 kunesi-7.



Uma ungabala ngakune usukele kule nombolo, iyiphi le nombolo?

Leyo nombolo: _____



11 12 13 14 15 16 17 18 19 20

89

**Ukuphindaphinda nokuhlukanisa:
ngaku-2, ngaku-3, ngaku-4 nangaku-5
kuze kuyofinyelela ema-75**

Usuku:

Ithemu 3



Ungathatha isikhathi esingakanani ukuphendula lokhu?

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



Faka umbala emabhulokhini lapho isibalo
sikunika khona insalela.

$12 \div 2 = 6$	$13 \div 3 = 4$ ins 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 kanjani ukuthi le nombolo iyahlukaniseka ngoku-:

- 3? Uma uhlanganisa izinombolo, isb. $72, 7 + 2 = 9$ kanti ungayihlukanisa ngoku-3.
- 2? _____
- 5? _____



Hlukanisa bese uhlola impendulo yakho.

$$65 \div 3$$

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

$$21 \times 3 + 2$$

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

a. $49 \div 5$

b. $65 \div 5$



Xazulula lesi sibalo:

Kumele wenze uphenyo.

Wazi karjani ukuthi le nombolo iyahlukaniseka ngoku-4?



Teacher: Sign:
Date:

11 12 13 14 15 16 17 18 19 20

90

Ukwakheka kwezinto eziwonhlangothi-ntathu

Usuku:

Ithemu 3



Buka lezi zithombe.

Khuluma ngezinto ozibonayo usebenzisa amagama athi kuyisicaba, kugobile.

Amabhola



Amabhokisi



Amasilinda



Amaphiramidi



Amakhowuni



Buka lezi zithombe bese uqedela imisho nemibuzo.



a. Ibhola

_____.



b. Kungani ibhola
lingasheleli?

_____.



c. Isilinda

_____.



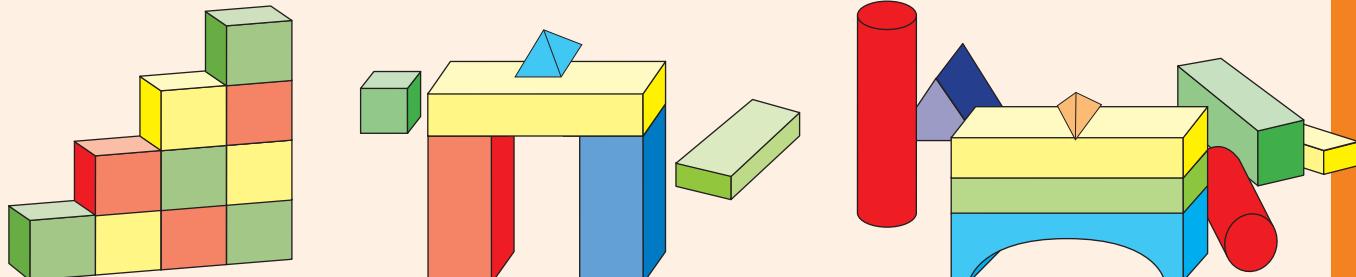
d. Isilinda ngabe
iyakwazi
ukushelela?

_____.



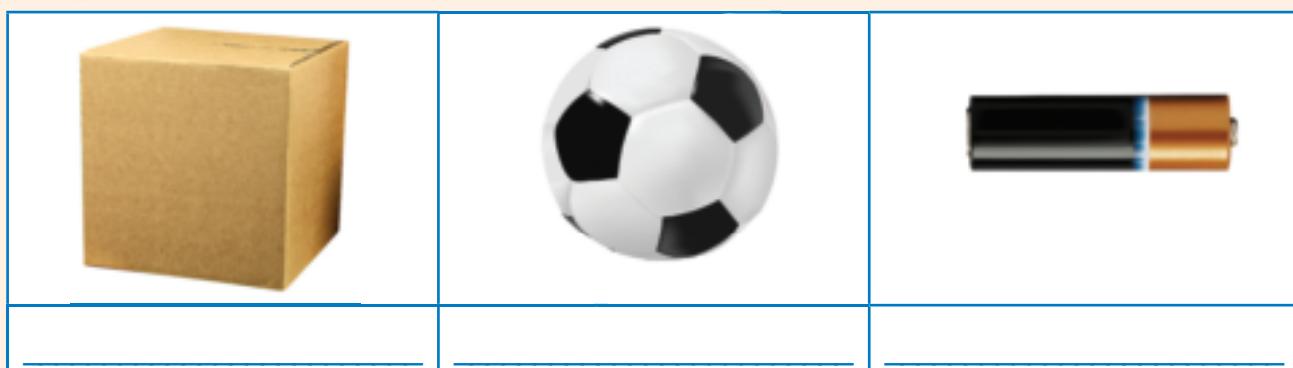
Yisho igama lento
esetshenziswe esithombeni ngasinye.

Nikeza igama elilodwa entweni ngayinye. Yisho ukuthi into iyagingqika noma
iyashelela yini.





Yisho ukuthi izinto ezinhlangothi-ntathu ziyizicaba
noma zigobile yini.



Dweba lokhu okulandelayo:

A blank white box.	A blank white box.	A blank white box.
Ibhokisi elincike kusilinda.	Ibhola elincike kusilinda.	Isilinda encike ebbokisini.





Usuku:

.....



Amasethi emicu yamaqhezu

Okuzosetshenziswa: Imicu emi-5 esikwe ephepheni enemibala ehlukahlukene, isikele, ipensela/amakhrayoni.

Yakha isethi yakho.

Okusikwayo kwesi-5

Kowodwa umucu bhala amagama athi: "Okukodwa okuphelele".

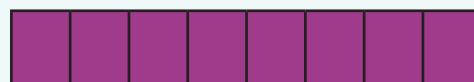
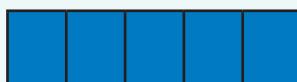
Goqa owodwa umucu ube wuhhafu ngokucophelela. Wuqaqe futhi. Zingaki izingxenyenye ezilinganayo?

Bhala $\frac{1}{2}$ kuhhafu owodwa bese usika lapho bekugoqwe khona.

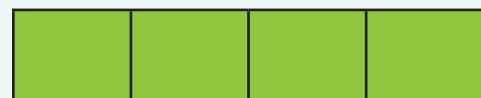
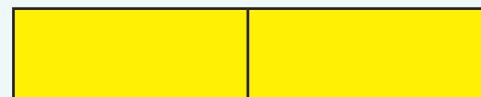
Thatha umucu wesithathu uwugoqe ube wuhhafu, bese uwugoqa futhi kube wuhhafu kahhafu. Wuvule. Unezingxenyenye ezingaki ezilinganayo? Bhala $\frac{1}{4}$ esiqeshini ngasinye, bese usika lapho kunezimpawu zokugoqwa khona. Manje ake uzame ukwenza eminye imicu emibili, kowodwa ukhombise amaqhezu okwesihlanu, komunye ukhombise amaqhezu okwesishiyagalombili.



Sebenzisa isethi yezingcezu ukuphendula le mibuzo.



Okukodwa okuphelele



Okungaki kokuhlanu okulingana nokukodwa okuphelele?

Okungaki kokuyisishiyagalombili okulingana nokukodwa okuphelele nohhafu.

Amaqhezu emgqeni wezinombolo.

Lo mucu ukhombisa okukodwa okuphelele.

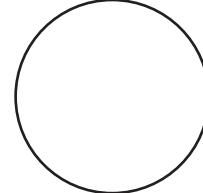
Okukodwa okuphelele

Lesi siyিngi sikhombisa okukodwa okuphelele.

Okukodwa
okuphelele

Hlukanisa lo mucu ube okukodwa kokuthathu.

Hlukanisa amaqhezu okwesithathu endilingeni.



Faka umbala eqhezwini eliwokukodwa kokuthathu.

Faka umbala eqhezwini eliwokukodwa kokuthathu.



Faka umbala kulokhu okulandelayo:

Uhhafu owodwa 	Amakota amathathu 	Okubili kokuthathu
Okune kokuhlanu 	Uhhafu owodwa 	Amakota amathathu



Dweba lokhu okulandelayo:

Amakota amathathu usebenzisa isikwele.	Uhhafu owodwa usebenzisa isiyungi.	Okubili kokuthathu usebenzisa unxantathu.
Okune kokuhlanu usebenzisa isiyungi.	Okune kokuyisishiyagalombili usebenzisa isikwele.	Okubili kokuthathu usebenzisa unxande.



Lungisa isethi yakho.

- Sika isiyungi ngasinye kweziyisi-6 eKhasini Lokusikwayo kwesi-6.
- Sika iziyungi ezinhlanu zibe yizingcezu ulandela imigqa.
- Lebula uceu ngalunye:
 - Ohlangothini olulodwa bhala iqhezu lehora.
 - Kolunye uhlangothi bhala inani lemizuzu elakhiwa yilelo qhezu.



q2

Okunye ngamaqhezu

Usuku:

Itemu 3



Bhala Yebo noma Cha.

- Uhhafu wuhhafu wokukodwa okuphelele _____
- Uhhafu wuhhafu wekota _____
- Ikota wuhhafu kahhafu _____
- Uhhafu namakota amabili kwakha okuphelele
okukodwa _____



Hlukanisa ophaya.

USipho, uGugu, u-Andile noLisa
bahlukaniselana uphaya.



a.



Ngilambile!
Ngifuna uhhafu



Dweba uphawini kaSipho.

b.



Kulungile, ngiyavuma
ukudla ikota..



Dweba uphawini kaSipho nokaGugu.



Ngizodla uhhafu
walokho okuzosala..



Dweba isabelo sikaSipho,
sikaGugu kanye nesika-Andile.

c.



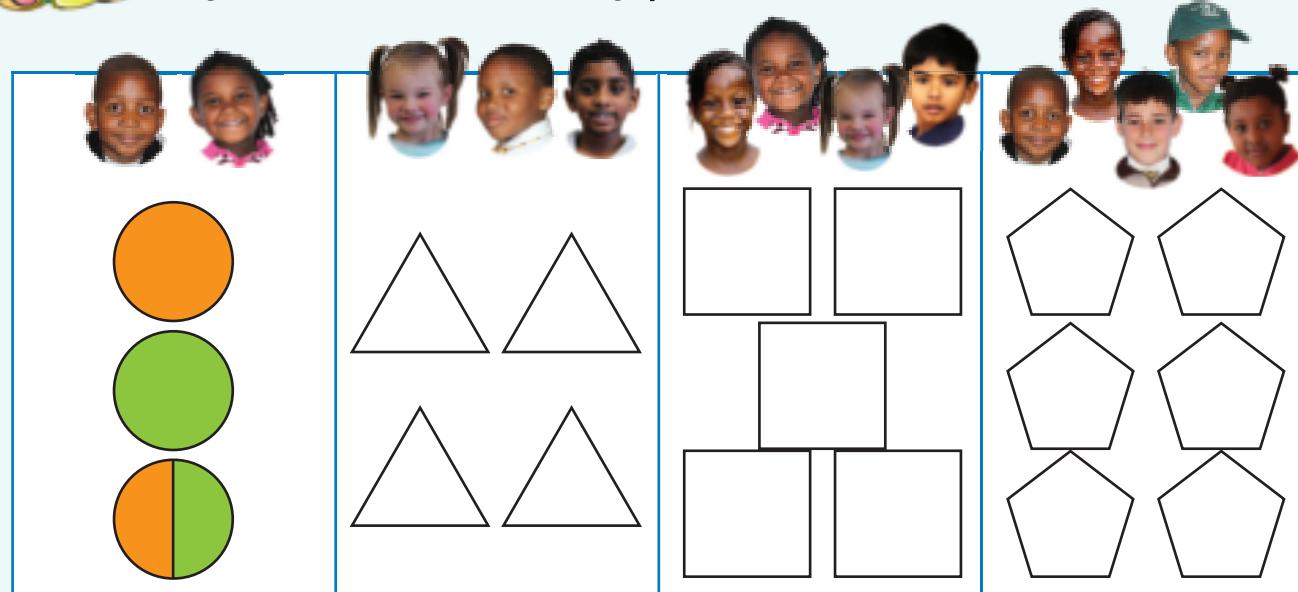
Ngisalelwé wuphaya
ongakanani mind?



Dweba ophawini babo bonke baphaya.



Hlukanisa izimo uphe abantwana
ngokuthi udwebe umugqa bese ufaka umbala.



Abangani aba-4 bahlukaniselana ngamaswidi
ama-5 ngokulingana.

Emunye uzothola amangaki?

Yiziphi izinombolo?

Dweba isithombe.

Abangani aba-6 bahlukaniselana
ngamaswidi ayi-9 ngokulinganayo.

Emunye uzothola amangaki?

Yiziphi izinombolo?

Dweba isithombe.



q3

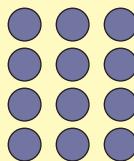


Usuku:

.....

Ithemu 3

Nazi izinto
zokubala
eziyi-12



Singabangani sibabili. Sinesiquakathi
esisodwa esisihlukanise ohhafu
abalinganayo.

Lokhu sikubiza
ngohhafu owodwa.

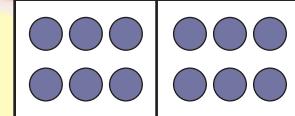
Lokhu sikubiza
ngohhafu owodwa.



Sihlukaniselana izinto zokubala eziyi-12
zokubala ngokulinganayo sobabili.

Ngithole izinto
zokubala eziyisi-6.

Ngithole izinto
zokubala eziyisi-6.



Yenza umdwebo walokhu okulandelayo bese uphendula imibuzo.

Amabhola ayisi-9 ahlukaniselwa abangani
abathathu bamantombazana.



- Intombazana ngayinye izothola amabhola amangaki?
- Intombazana ngayinye izothola iqhezu elingakanani?

Kunamabhola ayi-12, wahlukanisele abangani aba-4. Aba-3 ngabafana.



- Intombazana ngayinye izothola amabhola amangaki?
- Qhezu lini elizotholwa ngumfana ngamunye?



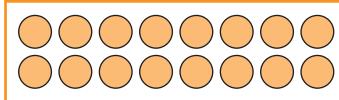
Qhezu lini elizotholwa ngumfana ngamunye?
Qhezu lini elizotholwa nguLisa?

Igama
nginguMandla.



- Uzothola amabhola amangaki uMandla noLisa?

Igama
nginguLisa.



- Uzothola amabhola amangaki uMandla noLisa?



Ukuhlukanisa amanye amaswidi.



Abanye abangani bahlukaniselana ngamaswidi. Emunye uthola $\frac{1}{2}$ (uhhafu) wephakethe.

- a. Mangaki amaphakethe adingeka ukuhlukanisela:

abangani aba-4? _____ abangani abayi-6? _____ abangani abayi-9? _____

- b. Bangaki abangani abahlukaniselana?

amaphakethe ama-4? _____ amaphakethe ayi-10? _____ $3\frac{1}{2}$ wamaphakethe? _____



Iziketi zokudansa.

Omama nawogogo bathunga iziketi zokudansa.

Ngesiketi esi-1 badinga amamitha ama- $2\frac{1}{2}$ (m) endwangu.

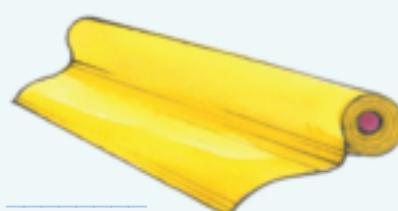
Indwangu ibiza ama-R6 imitha.



- a. Bazothunga iziketi ezingaki ngala mamitha?

5 m _____ 10 m _____

20 m _____ 25 m _____



- b. Badinga indwangu engakanani ukwenza?

iziketi ezi-2 _____ iziketi ezi- 3 _____ iziketi ezi- 4 _____

- c. Ibiza malini indwangu ezokwenza?

isiketi esi-1 _____ iziketi ezi- 2 _____ iziketi ezi- 3 _____



- d. Bazokwakha iziketi ezingaki ngale mali:

R450 _____ R825 _____ R180 _____ ?



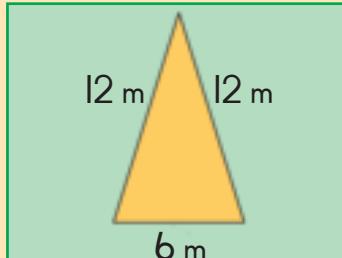
94

Usuku:

Ibanga elizungezile

Ithemu 3

Make sibheke ibanga lendawo ezungeze into ethile.



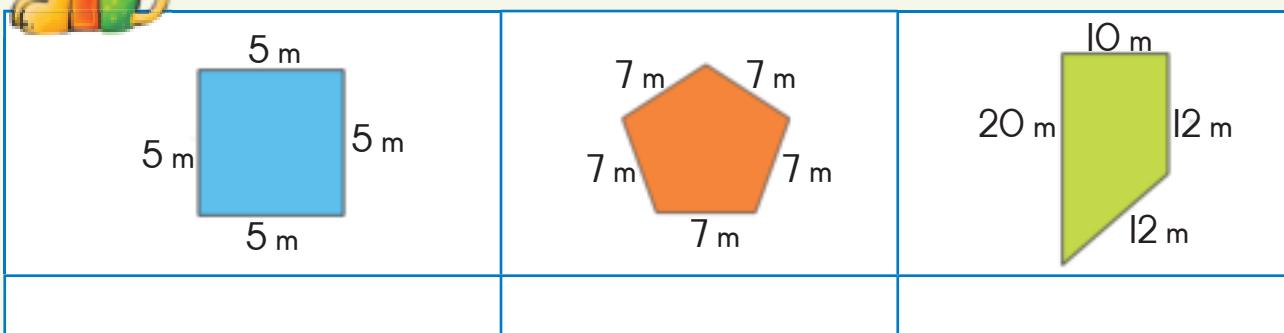
Umlimi unesiza esingunxantathu.

Ubude bebanga elizungezile sizobuthola ngokuhlanganisa ubude nobubanzi bezinhlangothi.

$$\text{Ibanga elizungezile} = 12 \text{ m} + 12 \text{ m} + 6 \text{ m} = 30 \text{ m}$$



Thola ubude bebanga elizungezile (ipharametha).



Ingadi ka Veronica.

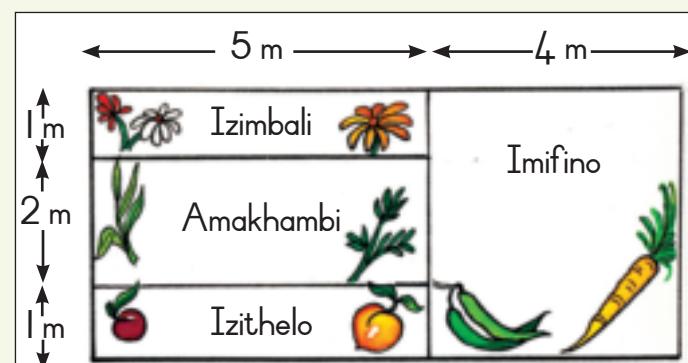
UVeronica udweba ingadi azofuna ukutshala okuthile kuyo.

a. Bungakanani ubude bebanga elizungeze lapho kutshalwe khona amakhambi?

b. Yiziphi izingxenye ezinebanga elilinganayo elizungezile?

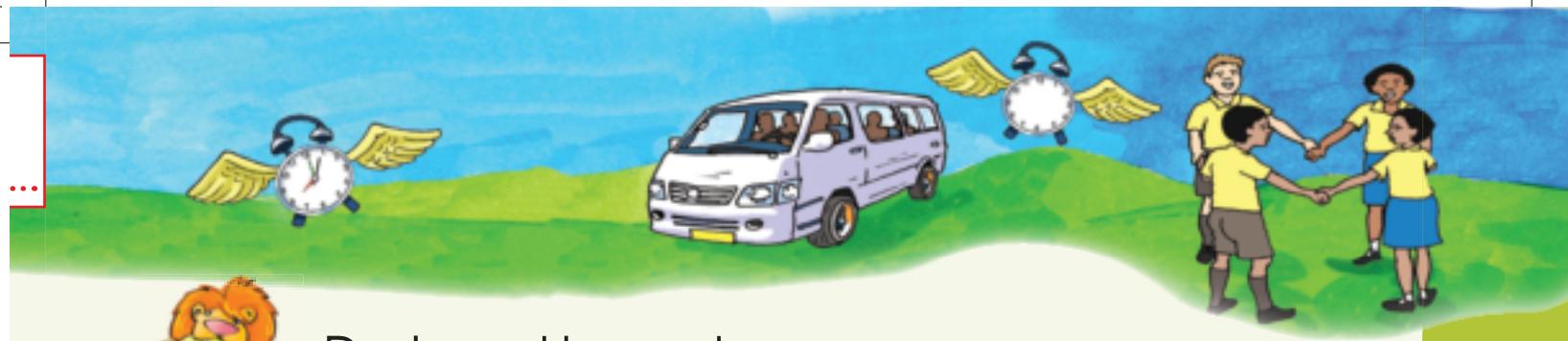
Lingakanani ibanga elizungeze lezi zingxenye?

_____ kanye _____ ubude bebanga elizungezile _____ m.



c. Udinga ucingo azobiyela ngalo. Ucingo lubiza ama-R50 imitha.

Luzobiza malini lulonke ucingo? _____



Dweba eyakho ingadi.

Sebenzisa iphepha eliseKhasini Lokusikwayo kwe-7 ukuhlela ingadi yakho. Khombisa zonke izinto ukuthi zikalwe kanjani uveze nezithombo ofuna ukuzitshala.



Iziyungi zokukala.

Sebenzisana nomngani:



Okuzosetshenziswa:

Iziyungi eziyi-10 ezinobukhulu obungalingani, njenepuleti, ingilazi, ithephu enamathelayo, isivalo sebhodlela, intambo kanye nesikele.

1. Khetha isiyungi ozosikala ngentambo.
2. Sika intambo ende ngokwanele ukuthi izungeze isiyungi.
3. Manje thatha intambo efanayo uyelule iwelele ngaphesheya kwesiyingi. Bala ukuthi ifinyelela ngokuphindwa kangaki ngaphesheya.
4. Yenza kanjalo nakwezinye isiyungi.
5. Bhala konke okubonayo.

Ibanga elizungeze into eyisiyingi libizwa ngobude bokuzungeza noma iparametha.



Ibanga lento eyisiyingi uma usuka ohlangothini olulodwa uya kolunye, libizwa ngedayametha.



95a

Usuku:

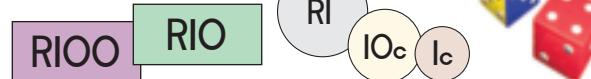
.....

Ukuthengiselana ngemali

Ithemu 3

Dlala le midlalo nomngani.

Okuzosetshenziswa:



ama-RIOO	ama-RIO	ama-RI	ama-IOc	ama-Ic
.....

Ibhodi Lemali (Ekhansi Lokusikwayo 8), iphepha nepensela, amadayisi amabili, imali yokudlala (Ekhansi Lokusikwayo 9): RIOO nama-RIO angamaphepha; RI, IOc ne-Ic eliwuhlamvu.

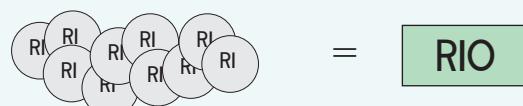
Beka Ibhodi Lemali etafuleni.

Ibhodi linezingxene ezi-5 ezisuka kwesokunxele ziye kwesokudla, RIOO, RIO, RI, IOc kanye nesenti eli-I. Sizosebenzisa amakholamu ama-3 kulo mdlalo.

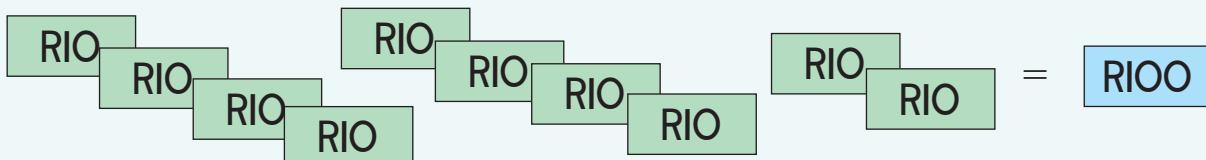


Hlanganisa ufinyelele e-RIOO.

- Umdlali ngamunye unikwa ithuba lokujingqa idayisi. Hlanganisa izinombolo ezimbili.
- Thatha inombolo ye-RI eliwuhlamvu uyibeke egxenjeni yama-RI kumata wakho.
- Uma ufinyelela kuma-RI ayishumi emali eyizinhlamvu kumele uthole i-RIO eliyiphepha.



- Owokuqala ozothola ama-RIO ayishumi awaguqulele e-RIOO nguye onqobile.



- Inhlawulo:** Uma odlalayo eqeda kodwa ahluleke ukuguqulela izinhlamvu zama-RI e-RIO eliyiphepha bamthola abanye abadlali, uhlawula nge-RI. Uma umdlali ekhohlwa ukuguqula i-RIO libe yiphepha le-RIOO, ukhokha i-RIO kumdlali ongumlingani wakhe.



Susa usuke e-RIOO uye e-RO.

Dlalani lo mdlalo futhi, nisebenzise ama-RIO ayiphepha. Susani izinombolo ezisedayisini. Umdlali ofinyelela e-RO nguye onqobile.

ama-RIOO	ama-RIO	ama-RI	ama-IOc	ama-Ic



Ukuhlanganisa nokususa okufinyelela e-RI OOO.

Hlanganisa ngesamba esisedayisini njalo uma udlala e-RIO. Owokuqala ozofinyelela e-RI OOO nguye onqobile. Ningaqala nge-RI OOO niye njalo nisusa ngokudedelana kwenu. Owokuqala ozofinyelela e-RO nguye onqobile.



Ukuhlanganisa kufinyelele e-RI.

Dlala ngendlela odlale ngayo umdlalo wokuqala, kodwa manje nguwe ogingqa idayisi uthole isamba, thatha isamba sedayisi sibe yisenti elilodwa. Uma sewunamasenti aji-IO ahamba ngawo-Ic, thola uhlamvu luka-IOc. Owokuqala ozothola uhlamvu lwale mali nguye onqobile.



Susa amasenti.

Qala nge-RI, ulisuse emdlalweni ngamunye. Owokuqala ozofika e-O wamasenti nguye onqobile.



95b

Masiyothenga!

Usuku:

.....

Itemu 3



Kuthengiswa izigqoko.

Isitolo sithengisa izigqoko ngamanani ama-5
ahlukene.



							Izamba
Isigqoko a	R20	R20	R20	R20	R20	R20	R120
Isigqoko b	R25	R25	R25	R25	R25	R25	
Isigqoko c	R50	R50	R50	R50	R50	R50	
Isigqoko d	R75	R75	R75	R75	R75	R75	
Isigqoko e	R100	R100	R100	R100	R100	R100	

- Thola ubungako bezigqoko emgqeni ngamunye.
- UMaZondo uthenga isigqoko esi-1 ohlotsheni ngalunye.

Ukhokha malini seyijonke? _____

- UBhuti ukhokha R450 sekukonke. Uthenga isigqoko esi-1 ngama-R100.

Uthenga ziphi ezinye izigqoko? Khombisa izindlela ezi-2.

Hlola!
Qhathanisa!
Lungisa!

Impendulo yoku-1	Impendulo yesi-2



Kubabhaki bezinkwa.

UMusa usebenzisa indlela yokupheka ukuze enze ikhekhe eliyisiponji.



Indlela yokupheka ikhekhe eliyisiponji

40 g kafulawa ozikhukhumalelayo; 3 amaqanda; 50 g ushukela we-ayisingi

Azokunamathisela ekhekheni: 140 ml ukhilimu

a. Thola ukuthi uMusa udinga okungakanani kwalokhu ukubhaka amakhekhe afinyelela kwayisi-b.

Ikhekhe	Ufulawa	Amaqanda	Ushukela	Ukhilimu
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

b. Thikha (✓) impendulo efanele.

I litha likakhilimu ligcwalisa: amakhekhe ayi-10; amakhekhe ayi-7;
amakhekhe ayi-8



Izibalo ezisheshayo.

Hlola!
Qhathanisa!
Lungisa!

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



qb

Usuku:

Okunye ngemini ningwane

Ithemu 3



Esiteshini samaphoyisa.

Amaphoyisa amahlalu enza umsebenzi ongafani. Aphi njengamanje ngalinye?

	Usedeskini	Uyazulazula	Usenkantolo
uSerufe			x
uMaria	x		
uSam	x		
u-Amos		x	
uDudu			x

Bhala igama lalowo: Osedeskini. _____

Ozulazulayo. _____

Osenkantolo. _____



Usuku Iwezihlahla.



Izikole ezinhlanu ziyaqhudelana ukubona ukuthi yisiphi esizotshala izihlahla eziningi kakhulu

ngoSuku Iwe-Arbor  = 10 izihlahla.

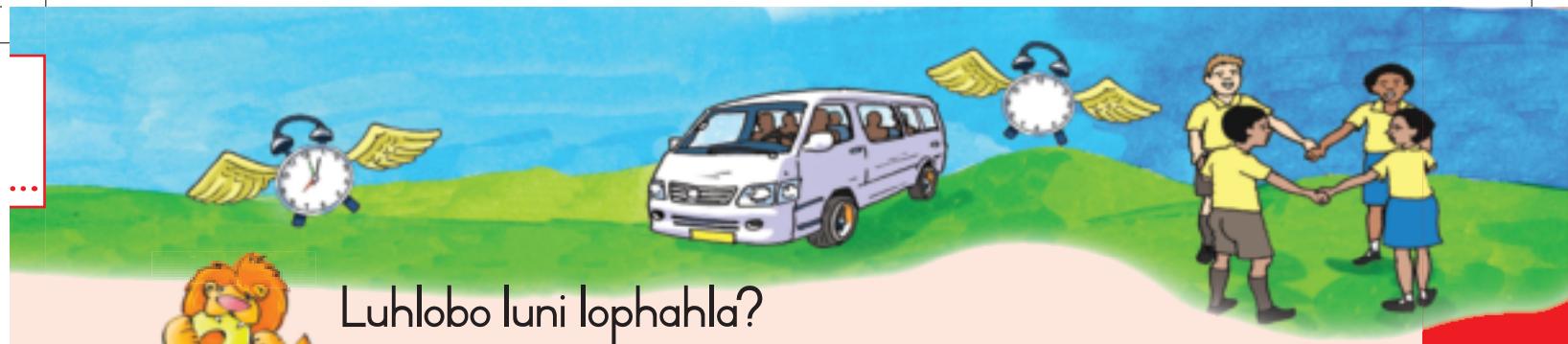
iKlipspruit	
iMthonjeni	
iSonskyn	
iThuthong	
iMosiba	

Zingaki izihlahla eztshalwe yisikole ngasinye kulezi?

iKlipspruit	iMthonjeni	iSonskyn	iThuthong	iMosiba

Zingaki izihlahla eztshalwe yisikole sezizonke? _____

1 2 3 4 5 6 7 8 9 10



Luhlobo luni lophahla?

abantwana beBanga lesi-3 benza inhlolovo elokishini langakubo.

Bafuna ukuthola imininingwane ngezinhlobo zophahla ezindlini ezahlukene.

Bakhombisa abakutholile kule grafu.

Bafaka ithikhi (✓) eyodwa ngendlu ngayinye abayibonayo.



Amathayili	✓	✓	✓	✓	✓	✓					
Utshani bokufulela	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Amapulangwe	✓	✓	✓	✓	✓	✓	✓	✓			
Insimbi	✓	✓	✓	✓	✓	✓	✓	✓			

Babona olungaki uphahla ezinhlotsheni ezilandelayo?

Amathayili _____ Utshani bokufulela _____ Amapulangwe _____ Insimbi _____

Yiluphi uphahla oluthandwa kakhulu? _____

Lungaki uphahla olutholakala uma kubalwa? _____



Ubukhulu bamakepisi.

Abafana basesikoleni iJuma bagqoka amakepisi esikole.

Amakepisi afika ewosajizi 2, 3, 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 uthole ukuthi bangaki abafundi abagqoke usayizi ofanayo wamakepisi.

2 _____ 3 _____ 4 _____

Yibuphi ubukhulu obube buningi kunobunye? _____

Hlola!
Qhathanisa!
Lungisa!



11 12 13 14 15 16 17 18 19 20

97

Ukusebenza ngamasentimitha

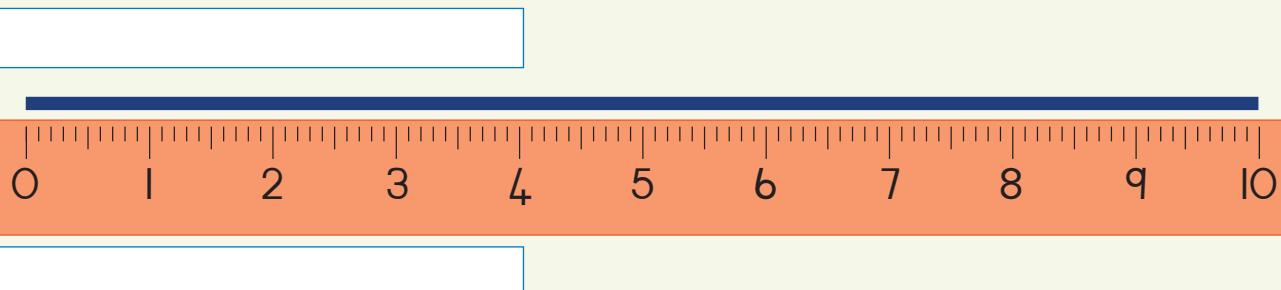
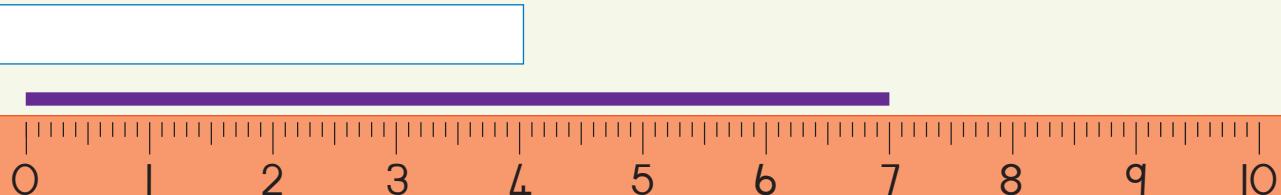
Usuku:

Usuku

Ithemu 4



Mude kangakanani umugqa ofakwe umbala?



Qala ngokuhlawumbisela bese ukala imigqa.
Qedela ithebhula.

Umugqa	Ukuhlawumbisela	Ukukala	Umahluko phakathi kokuhlawumbisela nokukala



Sebenzisa irula ukudweba le migqa elandelayo.

a. 10 cm

b. 7 cm

c. 15 cm



Yisho ukuthi uzokala lokhu ngamamitha noma
ngamasentimitha yini.

a. Ubude bencwadi _____

b. Ukuphakama kwesivalo _____

c. Ubude bepensela _____

d. Ukuphakama kwakho _____

e. Ubude bomunwe wakho _____

Khumbhula ukusebenzisa
amagama afingqiwe amele
amasentimitha (cm)
namamitha (m).



Phakathi nonyaka usebenzise amapensela akho ayishumi okufaka
imibala. Abeyi-15 cm ubude ngaphambili kokuwasebenzisa.

Emva kokuwasebenzisa elibomvu selingama-7 cm, elisasibhakabhaka lingama-5 cm,
elisatshani lingama-6 cm, eliphuzi liyi-11 cm, elibukhwebezana liyi-12 cm, eliwolintshi
lingama-9 cm, elinsundu liyi-14 cm, elimnyama lingama-8 cm, eliphinki liyi-13 cm bese
kuthi elimhlophe libe yi-15 cm ubude.



- Yiliphi ipensela olisebenzise kakhulu kunawo wonke? _____
- Yiliphi olisebenzise kancane kunawo wonke? _____
- Bhala ubude bamapensela akho kusukela kwelifushane
kunawo wonke kuya kwelide kunawo wonke.



11 12 13 14 15 16 17 18 19 20

q8

Usuku:

Izinombolo 700 kuya ema-800

Ithemu 4



Qala ngokubala bese ubhala.

- a. Sebenzisa ishadi elilandelayo ukuze likusize ukubala usukele ema-700 uye ema-800.
Phimisela inombolo ngenkathi ubhala.

700



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

- b. Bhala izinombolo ezidingekayo kugridi engenhla.
c. Bhala izinombolo eziyi-10 ezitholakala ngale kwama-750.

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

- d. Bhala izinombolo eziyisi-8 ezilandelayo ezinephethini loku-2.

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

- e. Bhala zonke izinombolo eziyiphethini loku-2 usuke ema-751 uye ema-773.

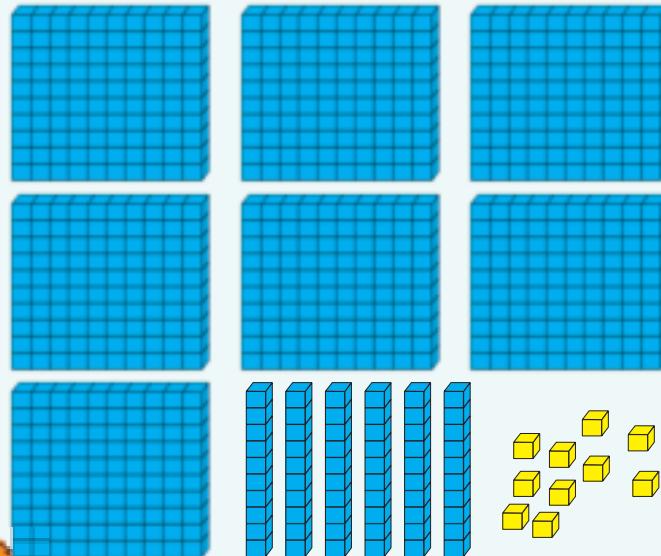
751; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 773

- f. Bhala izinombolo ezi-8 ezilandelayo eziyiphethini loku-5.

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



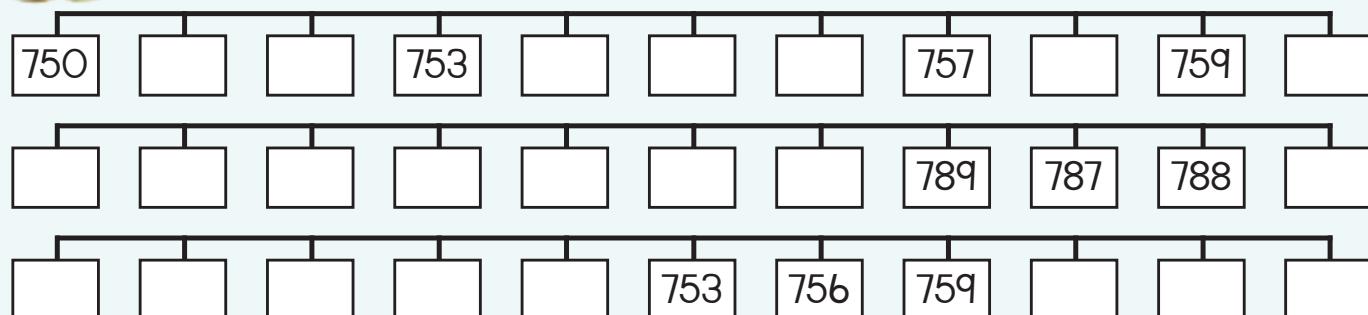
Uthola amabhulokhi amangaki uma uwabala?



Uwabale kanjani amabhulokhi?



Qedela umugqa wezinombolo.



Qedela
ithebhula.

Bhala usuke kokuncane
kunakho konke uye
kokukhulu kunakho konke.

Bhala usuke kokukhulu
kunakho konke uye
kokuncane kunakho konke.

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



Bhala lokhu okulandelayo ngamagama.

788

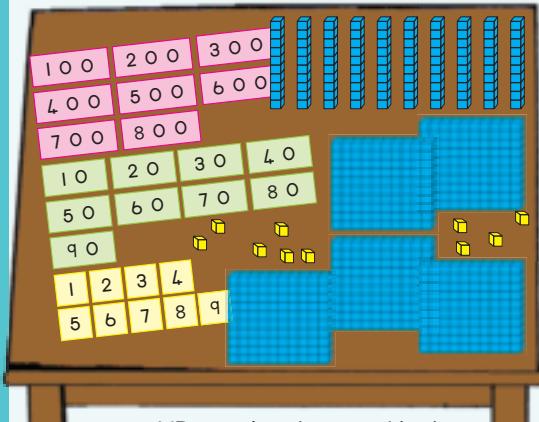
11 12 13 14 15 16 17 18 19 20

qq

Okunye ngezinombolo ama-700 kuya ema-800

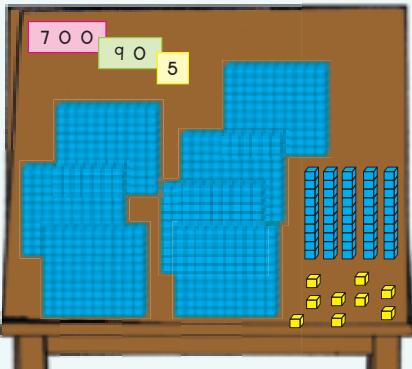
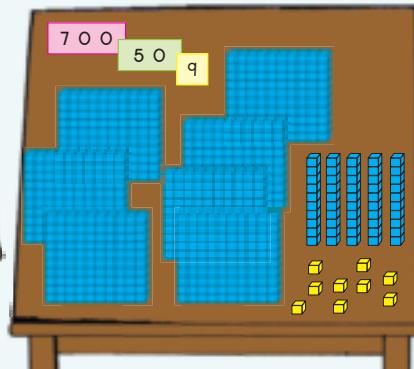
Usuku:

Ithemu 4



Uthisha ucole uPeter ukuthi akhe ama-759 ngamakhadi namabhulokhi akhe.

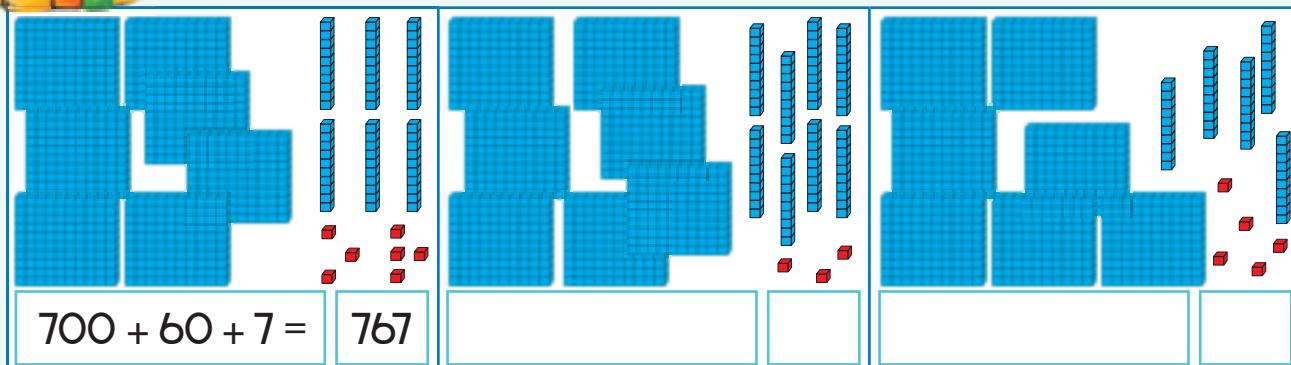
Okukhorjiswe wuBen yilokhu.
Ngabe yini angayenzanga kahle?



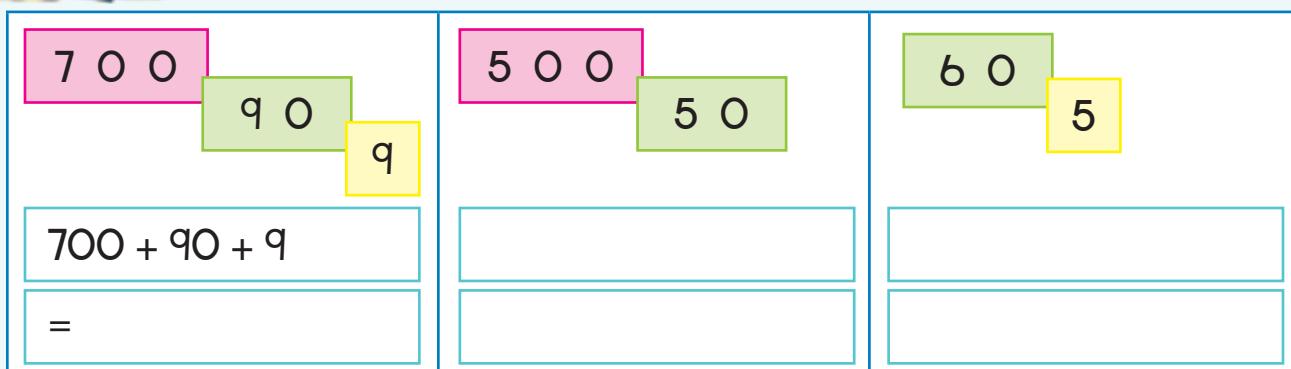
UPeter ubevele enamakhadi anezinombolo zalezi zikhundla ezilandelayo kanye namabhulokhi amashumi.

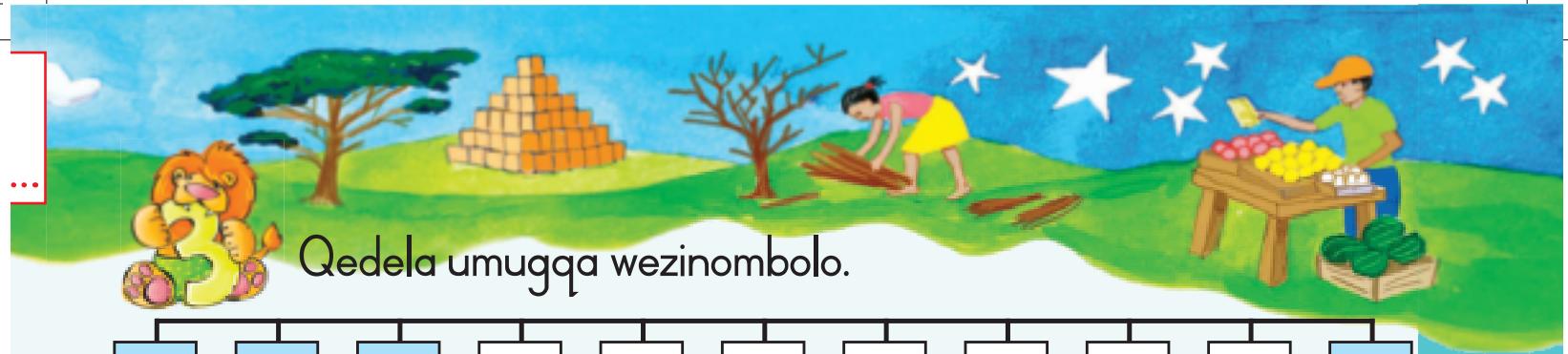


Bhala umusho wezinombolo kanye nempendulo.



Bhala umusho wezinombolo kanye nempendulo.





Qedela umugqa wezinombolo.

789 790 791 799

Ngiphe zonke izinombolo ezincane kunama-795. _____

Ngiphe zonke izinombolo ezinkulu kunama-795. _____



Gcwalisa lokhu <, > noma =.

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

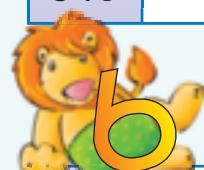
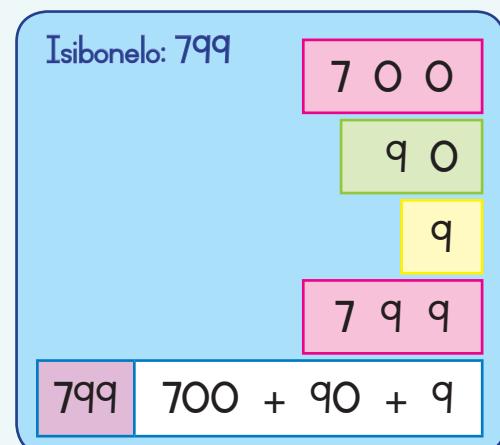


Hlahlela inombolo yakho.

- a. Yakha inombolo ngayinye ngamakhadi.
 b. Bhala izinombolo ngokwezikhundla zazo ngayinye.

Yenza lokhu-ke manje: Hlahlela inombolo yakho.

790	
689	
699	
755	
690	



Bhala izinombolo ngamagama azo.

668	
757	
799	
742	
691	



Teacher: _____
 Sign: _____
 Date: _____

100

Usuku:

Izinombolo 800 kuya ema-900

Ithemu 4



Qala ngokubala bese ubhala.

- a. Sebenzisa ishadi elilandelayo ukuze likusize ukubala usukel ema-800 uye ema-900.
Phimisela inombolo ngenkathi ubhala.

800



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

- b. Bhala izinombolo ezidingekayo kugridi engenhla.
c. Bhala izinombolo ezili-10 eziza emva kwama-800.

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

- d. Bhala izinombolo ezilandelayo eziyisi-8 ngamaphethini loku-2.

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

- e. Bhala zonke izinombolo ngamaphethini loku-2 usukel ema-807 uye ema-829.

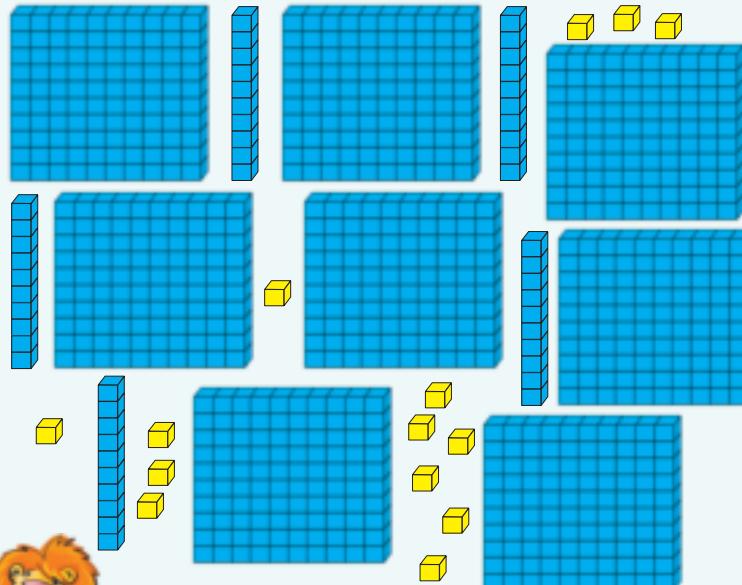
807; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 829

- f. Bhala izinombolo ezilandelayo eziyisi-8 ngamaphethini loku-5.

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



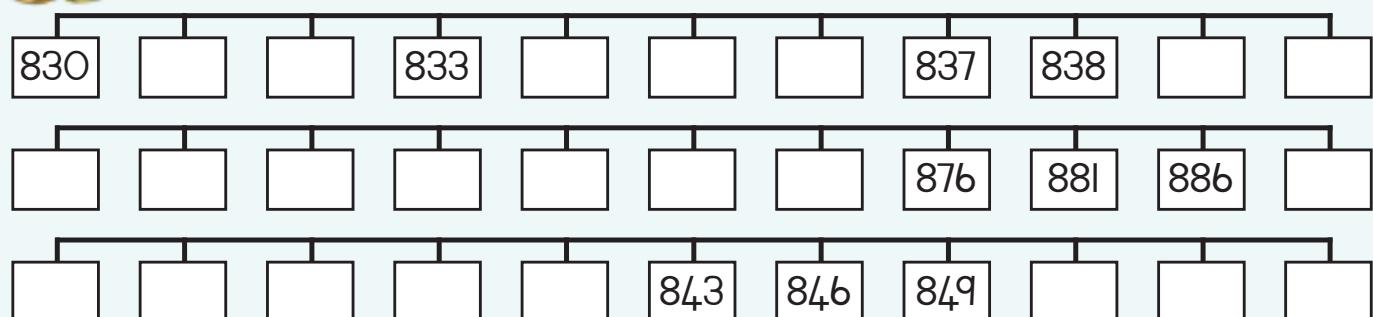
Uthola amabhulokhi amangaki uma uwabala?



Uwabale kanjani amabhulokhi?



Qedela umugqa wezinombolo.



Qedela
ithebhula.

Bhala usuke kokuncane
kunakho konke uye
kokukhulu kunakho
konke.

Bhala usuke kokukhulu
kunakho konke uye
kokuncane kunakho
konke.

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



Bhala lokhu okulandelayo ngamagama.

845

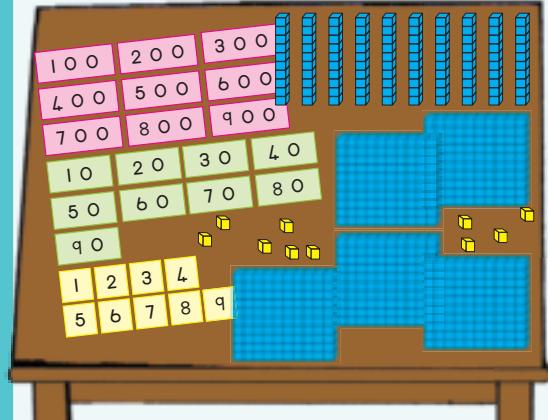


101

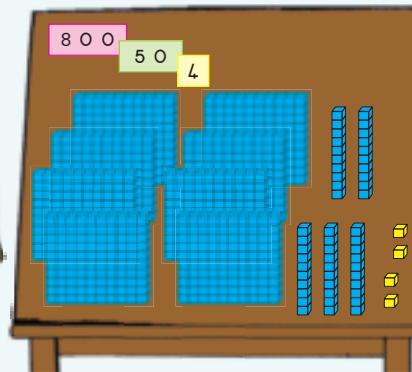
Okunye ngezinombolo ama-800 kuya ema-900

Usuku:

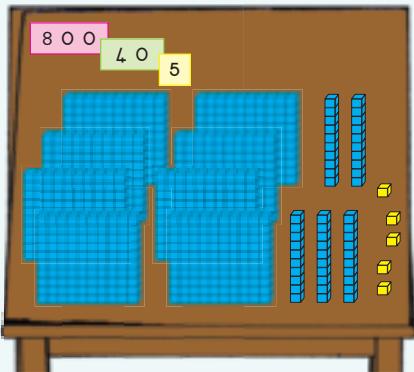
Ithemu 4



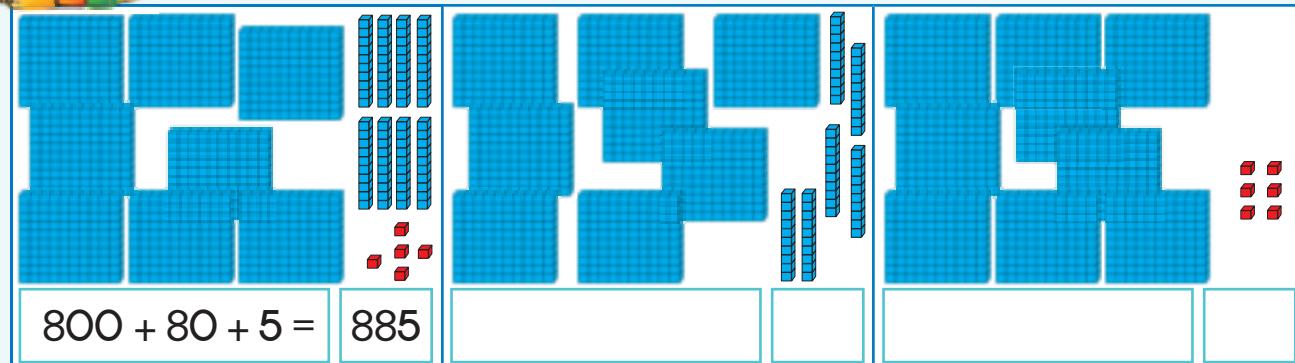
Upeter ubevele enamakhadi
anezinombolo ngokwezikkhundla
zezinombolo kanye namabhulokhi
amashumi.



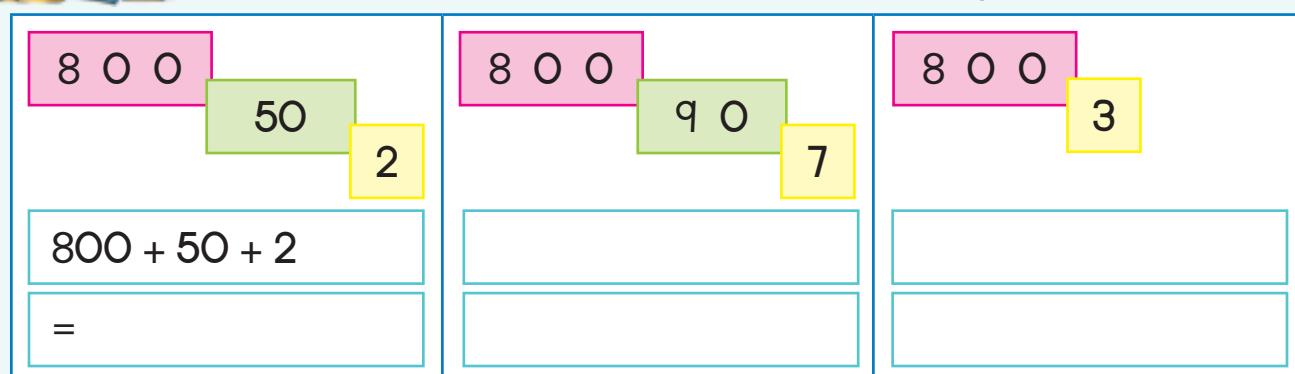
Okukhonjiswe wuBen yilokhu.
Ngabe yini angayenzanga kahle?

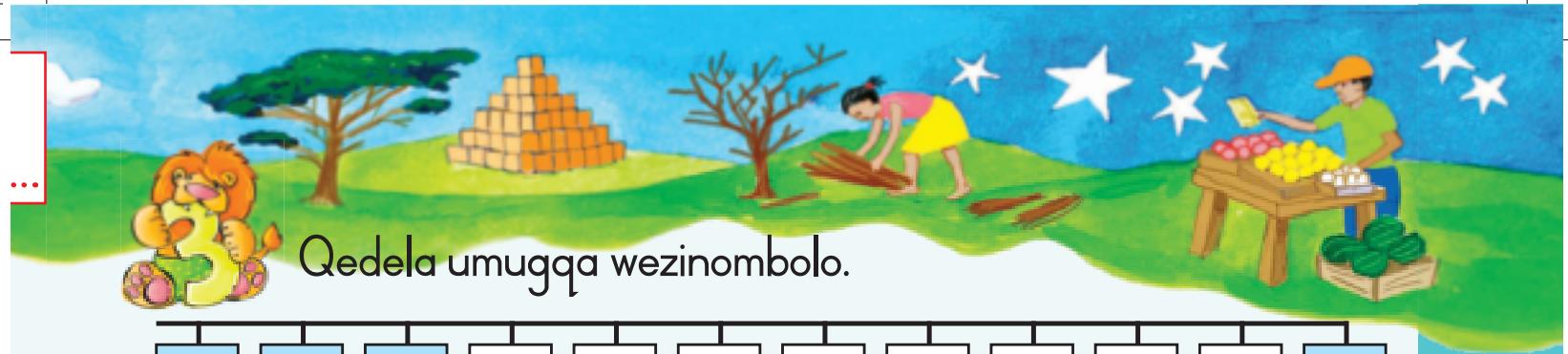


Bhala umusho wezinombolo kanye nempendulo.



Bhala umusho wezinombolo kanye nempendulo.





Qedela umugqa wezinombolo.

889	890	891	<input type="text"/>	900						
-----	-----	-----	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	-----

Ngiphe zonke izinombolo ezincane kunama-894.

Ngiphe zonke izinombolo ezinkulu kunama-894.



Gcwalisa lokhu <, > noma =

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

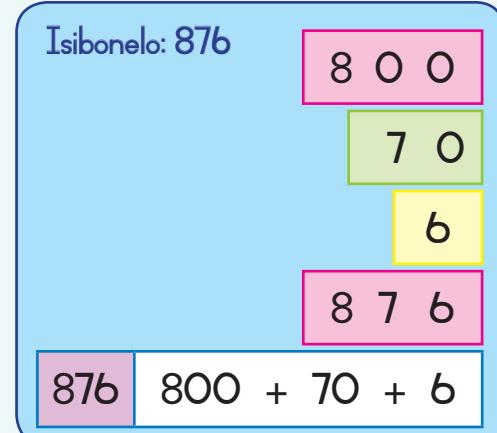


Hlahlela inombolo yakho.

- a. Akha inombolo ngayinye ngamakhadi.
 b. Bhala ubungako benombolo ngokwesikhundla sayo.

Yenza lokhu-ke manje: Hlahlela inombolo yakho.

890	
889	
802	
855	
840	



Bhala izinombolo ngamagama azo.

889	
825	
803	
830	
899	



Teacher: _____
 Sign: _____
 Date: _____

102a

Ukukala isisindo sezinto

Usuku:

Ithemu 4



Buka izithombe ezilandelayo bese uphendula imibuzo.



- Ngabe i-1 kg ensipho yokuwasha isinda ngaphansi noma ngaphezulu kwama-2 kg yensipho yokuwasha? _____
- Yini elula kakhulu: Ngabe ama-500 g amasiriyeli adliwa ekuseni noma amabhiskidi angama-200 g? _____
- Yini esinda kakhulu: Ngabe yi-100 g kakhilimu wesikhumba noma yi-1 kg yephakethe lesitambu? _____



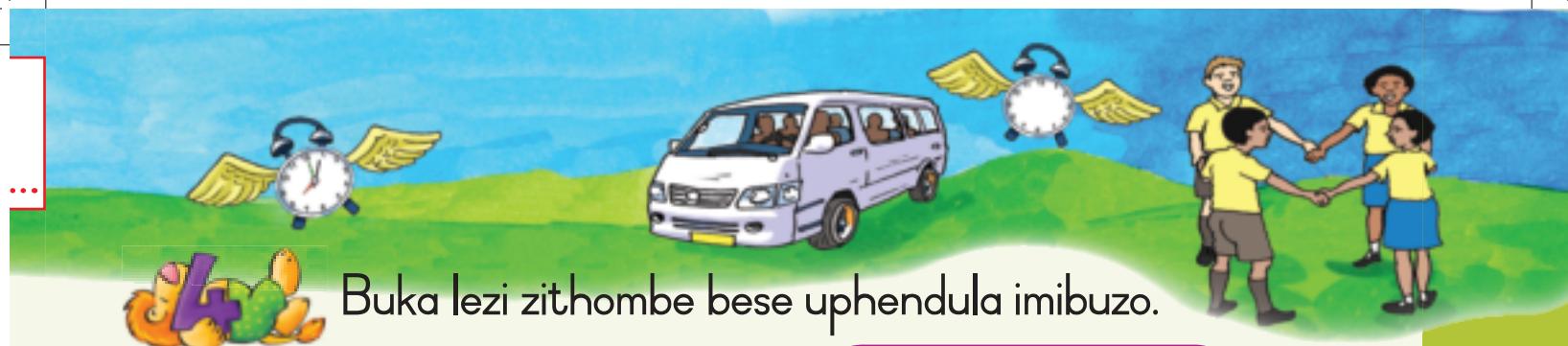
Ngabe sisinda kangakanani uma sikalwa sisonke ndawonye?

Isisindo sami singama-25 kg, umngani wami ungama-29 kg kanti umfowethu ungama-45 kg.



Le mikhiqizo isinda kangakanani uma ibekwe ndawonye?

Umkhiqizo wokuqala unesisindo se-1 kg 500 g, owesibili ungama-3 kg 500 g owokugcina ungama-2 kg 500 g.



Buka lezi zithombe bese uphendula imibuzo.



2,5 kg uyalingana nama-2 kg
nama-500 g.

Ngabe kumele ngiwabhale
kanjani ama-3,5 kg
ngamakhilogramu namagramu?



Qedela ithebhula.

Uthisha uzokunika izinto ezinhlanu okumele uzibuke. Qagela isisindo sazo bese uzikala.

Into	Hlawumbisela	Isikali	Umhahluko phakathi kokuhlawumbisela nesikali



Zisinda kangakanani uma zihlanganisiwe?

Umkhiqizo wokuqala ngama-2 kg 500 g, owesibili ngama-1 kg 500 g
owokugcina ngama-3 kg 500 g.



102b

Masiphinde sikale futhi

Usuku:

Ithemu 4

Isisindo sisho ukukala ubunzima bento ekhona kwenye into. Uma kunento eningi, kuya ngokuba lukhuni ukuyidudula.

Isisindo sisho isilinganiso sokuthi amandla omhlaba ayidonsa kanjani leyo nto eyibuyisela emhlaben. Uma sithatha into siyisa enyangeni iba nesisindo esifanayo kodwa isikali siyithola ilula ngenxa yobulula bamandla enyanga uma eqhathaniswa nawomhlaba.

Ngokwezidingo zansuku zonke sithatha isisindo njengento efanayo emhlabeni nenyenesisindo esithile **samakhilogramu** noma **amagramu**.

Izikali ezahlukene

Sisebenzisa izinhlobo ezahlukene ukukala isisindo. Sisebenzisa ezilinganisayo kanye nezisebenzisa isipilingi.

Ilitha lamanzi linesisindo sekhilogramu eli-l.

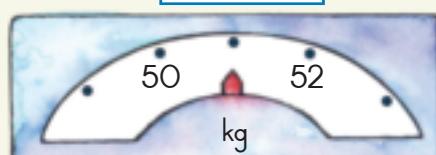
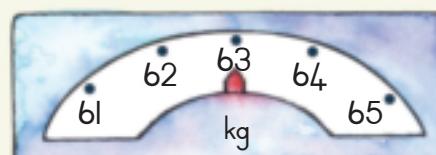


Le nhlanzi inesisindo samakhilogramu ama-3.



Thola isisindo salokhu.

Bhala isisindo ngama-kg esikhonjisa esikalini ngasinye sespringi.

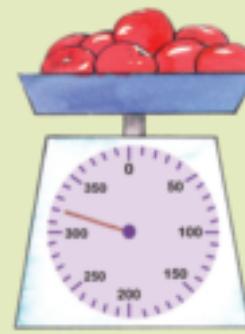




Sisebenzisa amagramu ukukala isisindo sezinto ezincane nezilula kanye nokukala amaqhezu ekhilogramu.

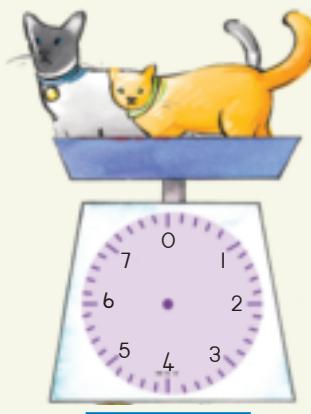
$$1000 \text{ g} = 1 \text{ kg}$$

Kulesi sikali esinesipilingi, umugqa ngamunye omncane ulingana nesisindo samagramu ayi-10. Utamatisi unesindo samagramu angama-320.



Zikala isisindo esingakanani?

Dweba lapho uluthi lwesikali kumele luye khona esikhathini ngasinye.



7 kg



4 kg



6 kg



Yakha ikhilogrammu.

Hlanganisa wenze 1 kg (1 000 g).

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



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Usuku:

.....

Izinombolo 900 kuya e-1 000

Ithemu 4



Qala ngokubala bese ubhala.

- a. Sebenzisa ishadi elilandelayo ukuze likusize ukubala usukele ema-900 uye e-1 000.
Phimisela inombolo ngenkathi ubhala.

900



901		903						910
							919	
		943				948		
981								
991						999		

b. Bhala izinombolo ezidingekayo kugridi engenhla.

c. Bhala izinombolo ezili-10 eziza emva kwama-900.

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

d. Bhala izinombolo eziyisi-8 ezilandelayo ezinephethini loku-2.

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

e. Bhala zonke izinombolo ngamaphethini loku-2 kusukela ema-945 kuya ema-967.

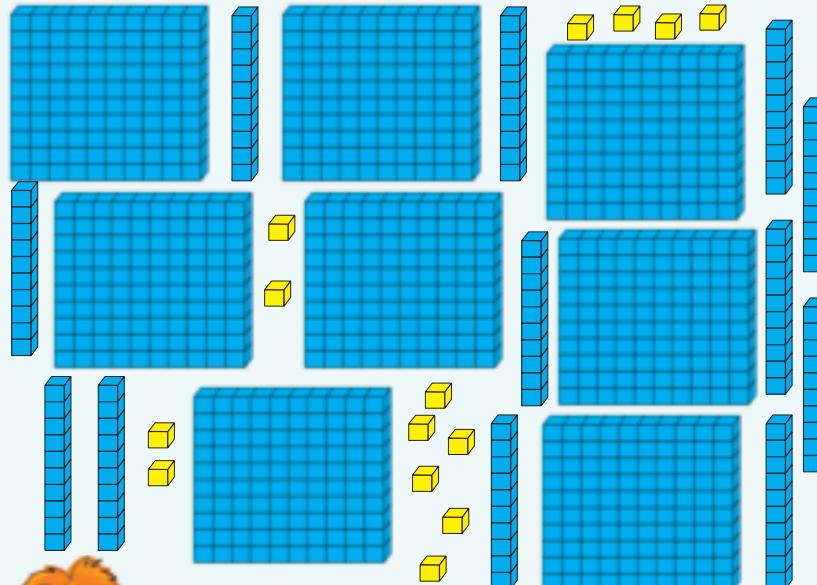
945; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 967

f. Bhala izinombolo eziyisi-8 ezilandelayo ezinephethini loku-5.

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



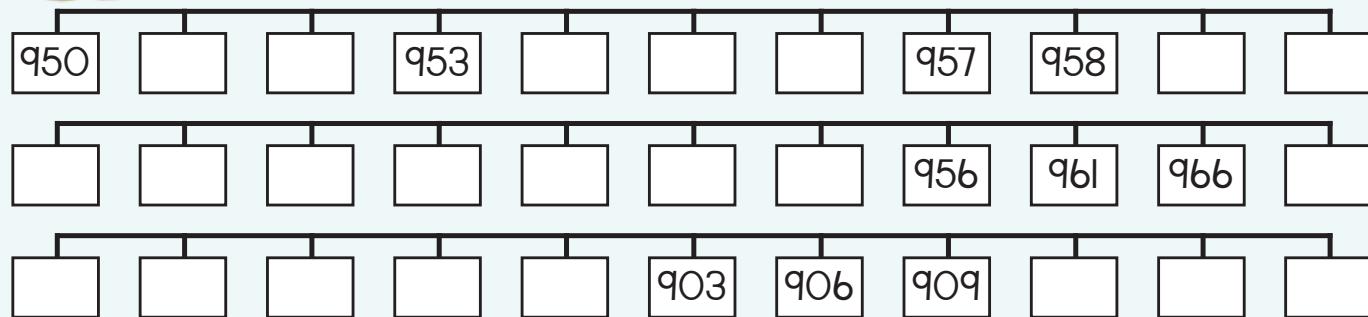
Uthola amabhulokhi amangaki uma uwabala?



Uwabale kanjani amabhulokhi?



Qedela umugqa wezinombolo.



Qedela
ithebhula.

Bhala usuke kokuncane
kunakho konke uye
kokukhulu kunakho konke.

Bhala usuke kokukhulu
kunakho konke uye
kokuncane kunakho konke.

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



Bhala lokhu okulandelayo ngamagama.

695

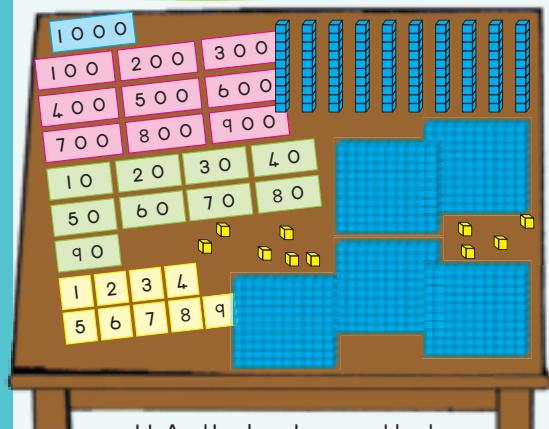
11 12 13 14 15 16 17 18 19 20

104

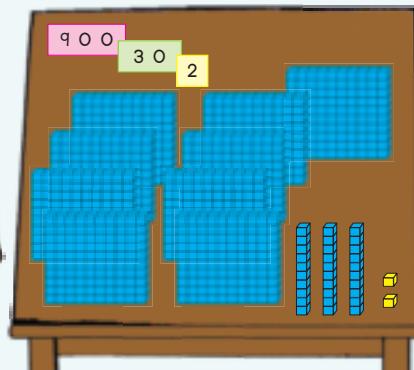
Okunye ngezinombolo ama-800 kuya e-1 000

Usuku:

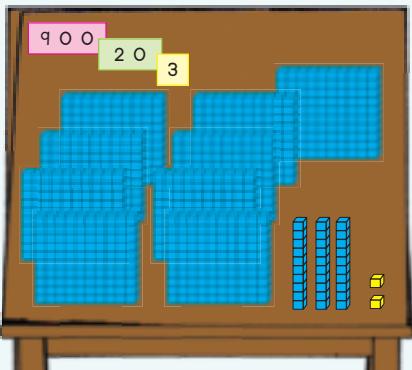
Ithemu 4



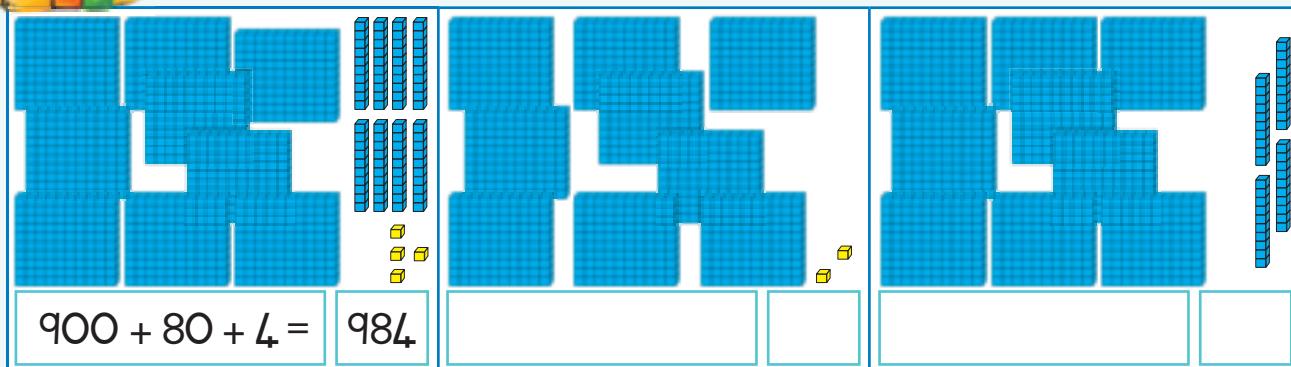
U-Andile ubevele enamakhadi
anezinombolo ngokwezikhundla
kanye namabhulokhi amashumi.



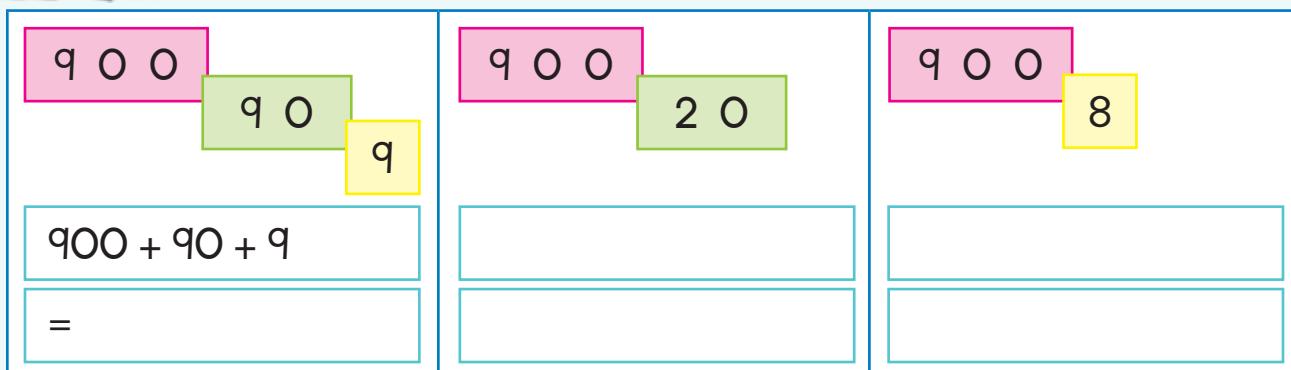
Okukhonjiswe wuGugu yilokhu.
Ngabe yini angayenzanga kahle?



Bhala umusho wezinombolo kanye nempendulo.



Bhala umusho wezinombolo kanye nempendulo.





Qedela umugqa wezinombolo.

989 990 991 999

Ngiphe zonke izinombolo ezincane kunama-995 _____

Ngiphe zonke izinombolo ezinkulu kunama-995 _____



Gcwalisa <, > noma =.

- a. 999 998 b. 957 975
c. $900 + 60 + 1$ 961



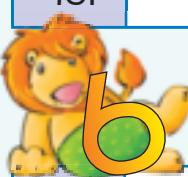
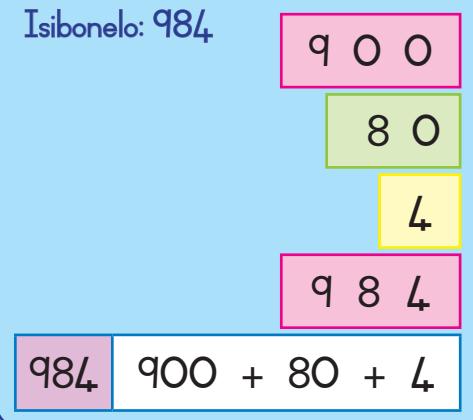
Hlahlela inombolo yakho.

- a. Yakha inombolo ngayinye ngamakhadi.
b. Bhala ubungako benombolo ngokwesikhundla sayo.

Yenza lokhu-ke manje: Hlahlela inombolo yakho.

922	
959	
980	
907	
931	

Isibonelo: 984



Bhala izinombolo ngamagama azo.

976	
905	
950	
821	
909	



105

Ukuhlanganisa nokususa okufinyelela ema-qqq

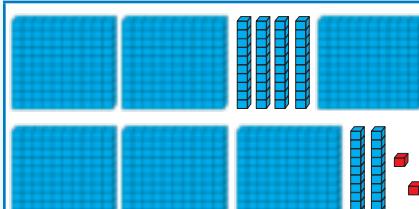
Usuku:

.....

Ithemu 4

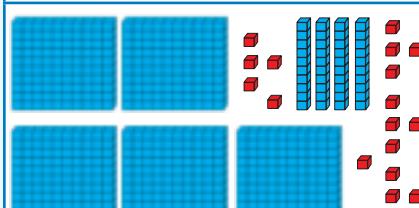


Bhala umusho wezinombolo ngalokhu ngakunye.



Chaza ukuthi uwabale kanjani amabhulokhi?

.....



Chaza ukuthi uwabale kanjani amabhulokhi?

.....



Landela isibonelo.

5 0 5 0

Ukuphinda kibili ama-
50 kwenza i-100

3 0 0 3 0 0

2 0 0 2 0 0

3 3



Sebenzisa okuthi akuphindeke kibili ukuxazulula
lokhu okulandelayo: Landela isibonelo.

a. $43 + 44 =$

Phinda kibili $43 + 1$

$43 + 43 + 1 = 87$

b. $81 + 41 =$

c. $40 + 41 =$

d. $66 + 67 =$



Sebenzisa okuphindeke kibili noma
okuthi makuphindeke kibili ukuxazulula lokhu
okulandelayo. Landela isibonelo.

a. Ukuphinda kibili ama-340

$$= 340 + 340$$

$$= \text{Ukuphinda kibili ama-340}$$

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

$$= 600 + 80$$

$$= 680$$

b. $340 + 341$

$$= \text{Ukuphinda kibili ama-340} + 1$$

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

$$= 600 + 80 + 1$$

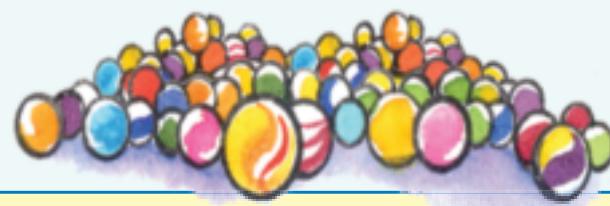
$$= 681$$

c. $470 + 470$

d. $461 + 462$



Xazulula lesi sibalo:



Abantwana beBanga lesi-2 baqoqe inani lezimabule ezingama-360.

Abantwana beBanga lesi-3 bona banezimabule ezimbalwa ngama-216 uma beqhathaniswa nabeBanga lesi-2.

Abantwana beBanga lesi-3 banezingaki?



Mayelana nendlu

Usuku:



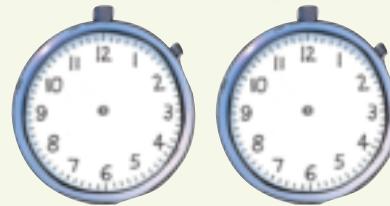
Usuku lokubhaka.

UMamncane uPhindi ubhaka isinkwa kuhhavini wakhe.

Khombisa isikhathi kula mawashi.



Ufaka isinkwa imizuzu iyishumi nanhlalu emva kwelesine.



Ukhipha isinkwa imizuzu imihlanu ngemva kwelesihlanu.

Sithatha isikhathi esingakanani isinkwa uma sibhakwa?

Umama kaMimi usebenzisa imayikhroweyivu. Uthi iyashesha.

Manje isikhathi sithi 16:30. Buka isikhathi esithathwa wukupheka kumayikhroweyivu.



Sizovuthwa nini isinkwa?

Ishesha kangakanani imayikhroweyivu kunomunye uhhavini? Imizuzu e- .



Imisebenzi yasekuseni.



NgoMgqibelo ekuseni uMusa noPalesa basiza umama endlini.

Uthatha isikhathi esingakanani umsebenzi ngamunye?

	Qala lapha	Phelela lapha	Kuthathe isikhathi esingakanani?
Yenza ukudla kwasekuseni	6:15	6:40	
Geza izitsha	7:20	8:05	
Hlanza ikhishi	8:20	9:15	
Hlanza indlu encane	10:00	10:25	
Hlanza ikamelo lokulala	11:30	12:15	



Nisela esivandeni.

Iipayipi lamanzi lisebenzisa amalitha angama-30 amanzi ngomzuzu o-l.

Mangaki amalitha amanzi elikwazi ukuwasebenzisa ipayipi?

Imizuzu e-2 amalitha a-_____.

Imizuzu e-2 $\frac{1}{2}$ amalitha a-_____.

Imizuzu e-5 amalitha a-_____.

Imizuzu eyi-10 amalitha a-_____.



Ukupheka ukhari.

Uyise kaBabu wenza aphinde athengise ukhari. Ngesonto elilodwa usebenzisa amafutha angamamililitha angama-750.

Ubhala phansi ukuthi usebenzise amafutha angakanani usuku nosuku.

ngomsomb	ngolwesib	ngolwesith	ngolwesin	ngolwesihl	ngomgq	ngeSont
98 ml	122 ml	108 ml	117 ml	109 ml	135 ml	?

- Mangaki amamililitha (ml) kawoyela awasebenzisa kusukela ngomsombuluko kuze kube ngomgqibelo? _____ ml
- Mangaki amamililitha (ml) kawoyela awasebenzisa ngeSonto? _____ ml
- Ibhodlela elilodwa likawoyela elingama-750 amamililitha (ml) libiza R18.50.

Amabhodlela ama-4 abiza? _____ .

Hlola!
Qhathanisa!
Lungisa!



Teacher:
Sign:
Date:

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Ukusebenza ngemali

Usuku:

Ithemu 4

Ukubala imali eyizinhlamvu nemali engamaphepha.

$10 \times \text{R } 10 = \text{R } \underline{\hspace{2cm}}$	$20 \times \text{R } 10 = \text{R } \underline{\hspace{2cm}}$	$50 \times \text{R } 10 = \text{R } \underline{\hspace{2cm}}$
$10 \times \text{R } 20 = \text{R } \underline{\hspace{2cm}}$	$20 \times \text{R } 20 = \text{R } \underline{\hspace{2cm}}$	$50 \times \text{R } 20 = \text{R } \underline{\hspace{2cm}}$
$10 \times \text{R } 50 = \text{R } \underline{\hspace{2cm}}$	$20 \times \text{R } 50 = \text{R } \underline{\hspace{2cm}}$	$50 \times \text{R } 50 = \text{R } \underline{\hspace{2cm}}$
$10 \times \text{R } 100 = \text{R } \underline{\hspace{2cm}}$	$20 \times \text{R } 100 = \text{R } \underline{\hspace{2cm}}$	$50 \times \text{R } 100 = \text{R } \underline{\hspace{2cm}}$
$10 \times \text{R } 500 = \text{R } \underline{\hspace{2cm}}$	$20 \times \text{R } 500 = \text{R } \underline{\hspace{2cm}}$	$50 \times \text{R } 500 = \text{R } \underline{\hspace{2cm}}$
$100 \times \text{R } 10 = \text{R } \underline{\hspace{2cm}}$	$100 \times \text{R } 20 = \text{R } \underline{\hspace{2cm}}$	$100 \times \text{R } 50 = \text{R } \underline{\hspace{2cm}}$
$100 \times \text{R } 100 = \text{R } \underline{\hspace{2cm}}$	$100 \times \text{R } 500 = \text{R } \underline{\hspace{2cm}}$	



Uhambo ngesitimela.

UKgethi nabantwana bakhe aba-3 bahamba ngesitimela.

Abadala nabantwana bakhokha imali efanayo.

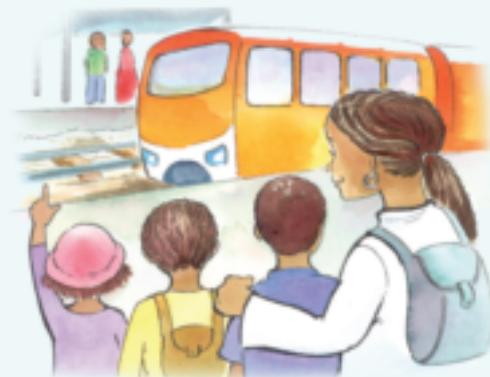
UKgethi ukhokha ngemali yamaphepha.



Uthola ama-R30 ushintshi.

Libiza malini ithikithi lilinye? Thikha (✓) impendulo efanele:

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



Hlola!
Qhathanisa!
Lungisa!



Isiphaza sikaSandile.

uSandile wakhe ithebhula lemali engenayo.

Okokuqala uyahlawumbisela, bese ebala imali engena nsuku zonke.

Imali engenayo yimali esiyitholayo noma etholakala ngoba siyisebenzele.

Siza uSandile aqedele ukubala. Bhala izimpendulo zakho ethebhuleni.

		Hlawumbisela	Isamba
uMsombuluko	R50 + R75 + R200 + R350 + R25		
uLwesibili	R25 + RI75 + R50 + R320 + R90		
uLwesithathu	R50 + R75 + R200 + R350 + R25		
uLwesine	RI20 + R55 + RI80 + R245 + R25		
uLwesihlanu	R60 + RI50 + RI40 + R200 + RI25		
uMgqibelo	R50 + R75 + R200 + R350 + R25		
iSonto			



Thola ukuthi ushintshi ungakanani.

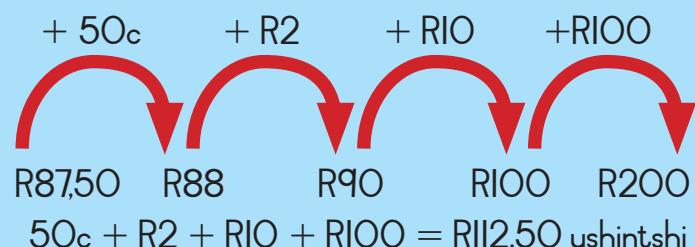
Ukuthola ushintshi kumele uhlanganise inani lezinto nemali oyikhiphile.

Isibonelo:

UPalesa uthenga ukudla ngama- R87,50

Ukhokha ngama-R200 ayiphepha.

Ungakanani ushintshi wakhe?



Sebenzisa umusho wezinombolo ukukusiza uthole ushintshi.

Inani: R229,40

Kukhokhwa nge:-



--	--

Inani: R305,60

Kukhokhwa nge:-



--	--



Okunye ngokuhlanganisa nokususa kuye ema-qqq



Masixazulule le nkinga.

UGugu uqoqe izitikha ezingama-234.

UMandla umniwe ezingama-501.

Zingaki izitikha anazo sezizonke?

Uthini umbuzo?

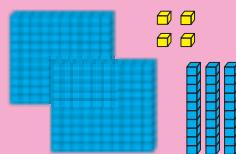
Zingaki izitikha anazo sezizonke?

Yiliphi igama elimqoka? Sezizonke

Yiziphi izinombolo? 234 nama-501

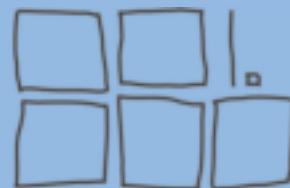


Nakhu okwenziwe nguGugu
ukuxazulula inkiga.



Nakhu okwenziwe ngu-Aakar.

Wenze umdwebo omkhulu.



Okwenziwe nguLisa kufana kanjani nokuka-Aakar kube kungamabhulokhi?

Sebenzisa inombolo esenkingeni ukuxazulula lokhu okungezansi ngezindlela ezimbili ozifundile.

Indlela yoku-1

Indlela yesi-2



Imisebenzi yasekuseni.

UThembu uqoqele isikole izinto ezizovuselelwa. Uthole amabhodlela eplastiki angama-624 kanye namathini angama-268. Unezinto ezingaki aziqoqile sezizonke? Uthini umbuzo?

Zithini izinombolo?	Yiliphi igama elibalulekile? Thikha impendulo efanele. Igama elibalulekile lisitshela ukuthi masenze lokhu: <input type="button" value="Masihlanganise"/> <input type="button" value="Masisuse"/>
Yenza umdwebo.	Sebenzisa indlela yakho ukuxazulula le nkinga.

Isitolo sinamaphakethe kashukela angama-900. Emva kokuthengwa kwamanye amaphakethe, kusele angama-659. Bathengise amaphakethe amangaki? Uthini umbuzo?

Zithini izinombolo?	Yiliphi igama elibalulekile? Thikha impendulo efanele. Igama elibalulekile lisitshela ukuthi masenze lokhu: <input type="button" value="Masihlanganise"/> <input type="button" value="Masisuse"/>
Yenza umdwebo.	Sebenzisa indlela yakho ukuxazulula le nkinga.



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Ukuhlanganisa nokususa kuye ema-qqq futhi

Usuku:

Ithemu 4

Buka lo mdwebo bese uwuchaza.



Qedela lokhu:

a. $223 + 223 =$ _____.

b. $160 + 160 =$ _____.

c. $115 + 115 =$ _____.

d. $315 + 315 =$ _____.

e. $117 + 117 =$ _____.

f. $450 + 450 =$ _____.

g. $112 +$ _____ $= 224.$

h. $116 +$ _____ $= 232.$



Bhala lezi zinombolo.

a. Ama-523 ahlanganiswe ne-12 kwakha _____.

b. Ama-540 kususwa i-15 kusala _____.

c. Ama-576 ahlanganiswe nama-20 kwakha _____.

d. Ama-590 kususwa ama-60 kusala _____.

e. Ama-537 ahlanganiswe nama-29 kwakha _____.

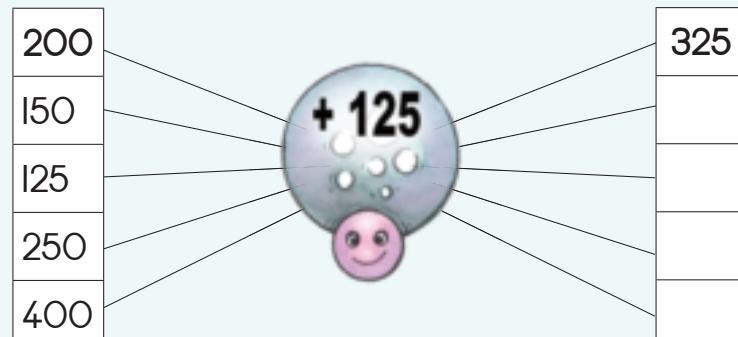
f. Uhafu wama-300 ngama _____.

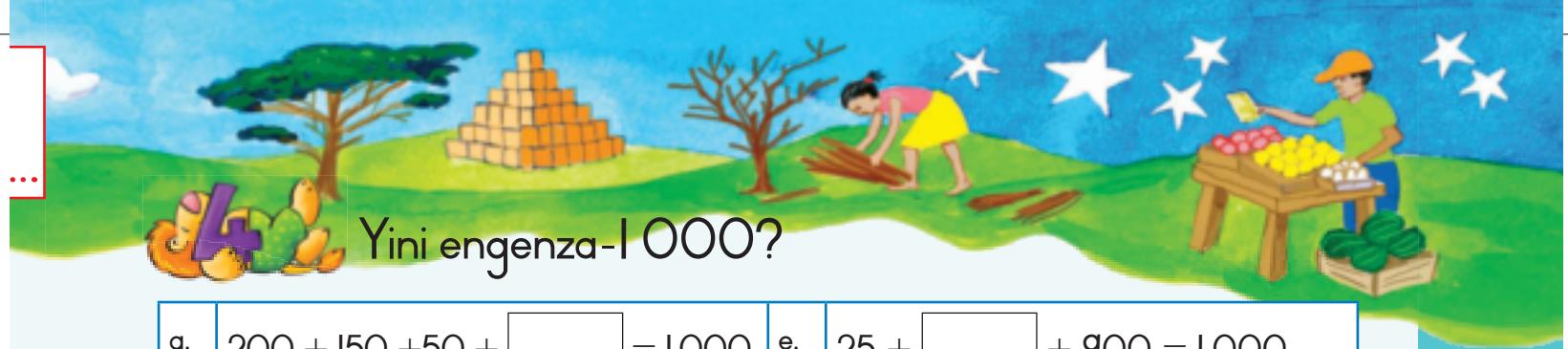
g. Ukuphinda kibili ama-420 kuba _____.

h. Uhafu wama-600 ngama _____.



Hlanganisa 125





Yini engenza-1 000?

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.	$\boxed{} + 30 + 900 = 1000$

Thola iminden'i yezinombolo ezine

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



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

Hlola!
Qhathanisa!
Lungisa!

Hlanganisa uphind'e ususe amashumi namakhulu



a. Amashumi 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. Amashumi qhelele (Iziphindaphindi ze-10)

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

Xazulula lesi sibalo:

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



110



Usuku:

Ithemu 4



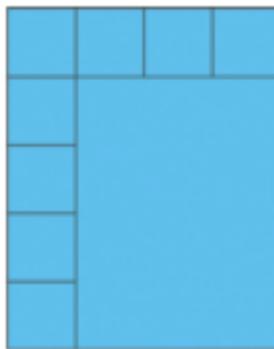
Amaphazili okukala

Thola ububanzi bendawo.

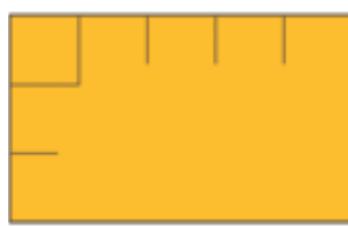
Zingaki izikwele ozidinga ukuqedela isembozo ngasinye?

Sebenzisa indlela yakho yokubala. Khombisa ngomdwebo ukuthi ukwenze kanjani lokhu ezithombeni.

a.



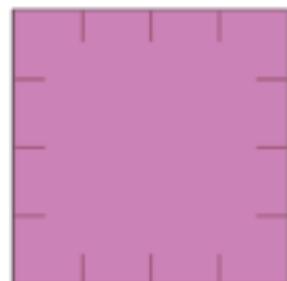
b.



c.



d.



Xazulula isiphicaphicwano.



Ufuna ukukala amalitha ama-4 amanzi. Uneziqukathi ezimbili: esinye siphethe amalitha ama-3 esinye ama-5. Uzokwenza kanjani lokhu?

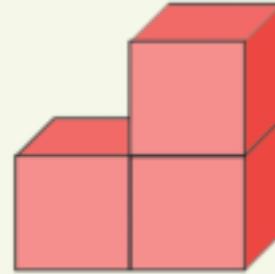
Siyakucebisa: kunezindlela ezimbili okungenani.



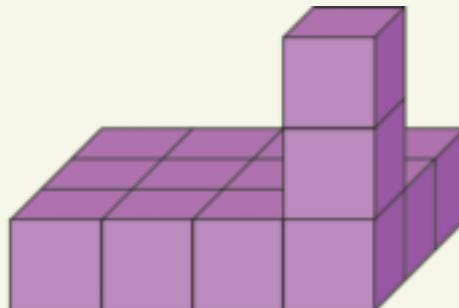
Ubonani?

Amabhokisi amathathu ananyathiselwe ngeglu kulesi sithombe.

Uma ucosa izingxenye ezihlanganisiwe zaba ngamabhokisi, zingaki izikwele ozithola ngaphandle? _____



Bala amabhokisi.



Mangaki amabhokisi akha lesi simo?



Inselelo: isiphicaphicwano sesikhathi

Unezinto ezimbili zokukala isikhathi.

Okukodwa kuphiwa imizuzu eyi-7 bese kuthi okunye kuphiwe imizuzu eyi-11.

Ungazisebenzisa kanjani lezi zikali ukuthola ukuthi idlule nini imizuzu eyi-15?

Hola!
Qhathanisa!
Lungisa!



11 12 13 14 15 16 17 18 19 20

III

Amaphethini ezinombolo: amashumi kuya ema-900

Ithemu 4

Masibale ngamashumi ukusuka ema-810 kuya ema-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



Zenza phethini lini izinombolo ezikokelezelwe?

Okukokelezewo ngombala **obomvu**: Ukubala nga_____.

Bhala iphethini lalokho: _____

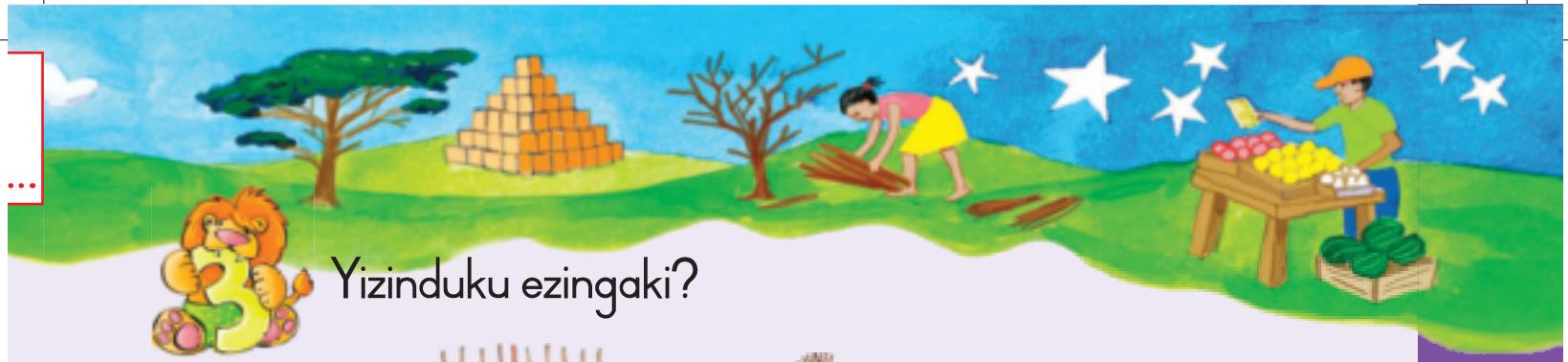
Okukokelezewo ngombala **osatshani**: Ukubala nga_____.

Bhala iphethini lalokho: _____



Bala.

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. $855 - 10 =$ _____



Yizinduku ezingaki?



Kunezinduku eziyi-10



enyanden



- | | |
|----|-----------------------|
| 1 | = izinduku ezi- _____ |
| 2 | = izinduku ezi- _____ |
| 3 | = izinduku ezi- _____ |
| 4 | = izinduku ezi- _____ |
| 5 | = izinduku ezi- _____ |
| 6 | = izinduku ezi- _____ |
| 7 | = izinduku ezi- _____ |
| 8 | = izinduku ezi- _____ |
| 9 | = izinduku ezi- _____ |
| 10 | = izinduku ezi- _____ |

- | | |
|-----|-----------------------|
| 10 | = izinduku ezi- _____ |
| 20 | = izinduku ezi- _____ |
| 30 | = izinduku ezi- _____ |
| 40 | = izinduku ezi- _____ |
| 50 | = izinduku ezi- _____ |
| 60 | = izinduku ezi- _____ |
| 70 | = izinduku ezi- _____ |
| 80 | = izinduku ezi- _____ |
| 90 | = izinduku ezi- _____ |
| 100 | = izinduku ezi- _____ |



Imigqa yezinduku.

Kunezinyanda eziyi-10 zezinduku emgqeni = izinduku ezi-100

Umugqa o-1 wezinyanda ezi-10 = izinduku ezi-100

Imigqa e-2 yezinyanda ezi-10 = izinduku ezi- _____

Imigqa e-4 yezinyanda ezi-10 = izinduku ezi- _____

Imigqa e-10 yezinyanda ezi-10 = izinduku ezi- _____



$$10 \times 10 = 100$$

$$20 \times 10 = _____$$

$$40 \times 10 = _____$$

$$100 \times 10 = _____$$



Zingaki izinyanda?

Izinduku ezi-700 zakha izinyanda ezi- _____

Izinduku ezi-900 zakha izinyanda ezi- _____

Izinduku ezi-1 000 zakha izinyanda ezi- _____



112

Ukusondezela eshumini

Usuku:

Ithemu 4

Sesike sakwenza ukusondezela ezahlukweni ezedlule. Buka lo mugqa wezinombolo bese uchazela umngani wakho ukuthi kwensiwe kanjani ukusondezela eshumini.



Khumbula ukubheka imivo uma usondezela eshumini eliseduze.

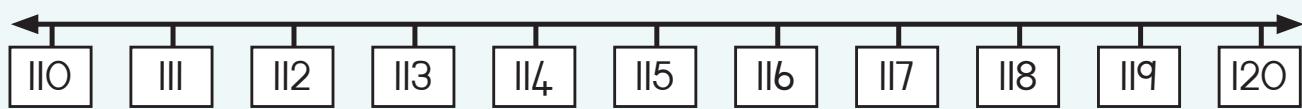


Sondezela lokhu e-10.



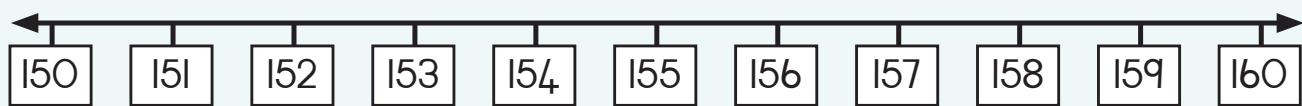
I-114 elisondezewe lenza? _____

I-117 elisondezewe lenza? _____



I-159 elisondezewe lenza? _____

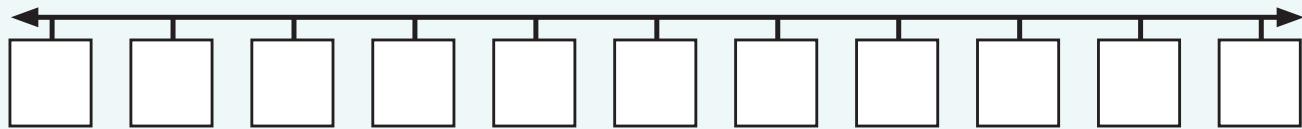
I-151 elisondezewe lenza? _____



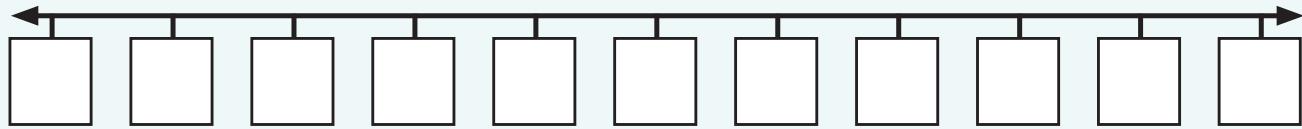
Sondezela eshumini eliseduze.

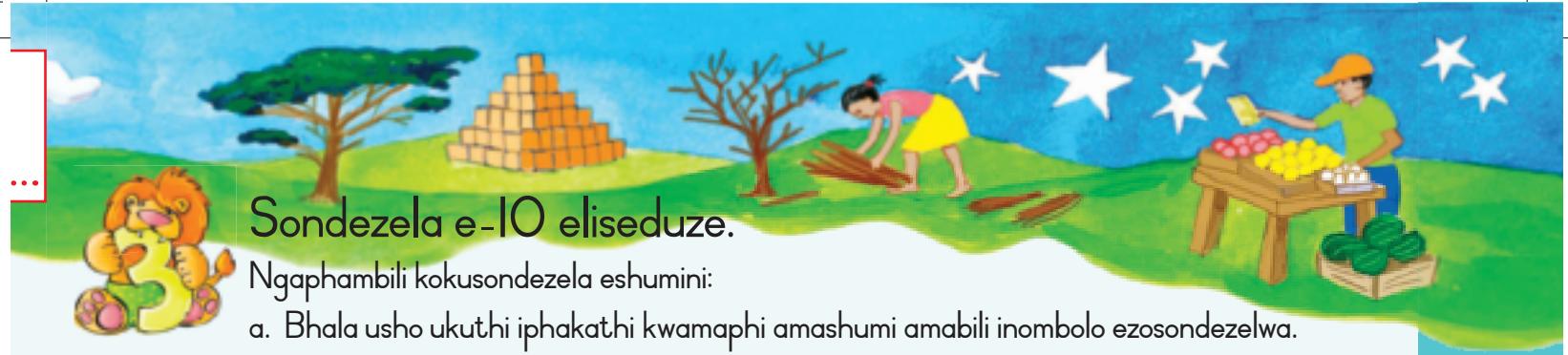
Dweba owakho umugqa wezinombolo.

195



945





Sondezela e-10 eliseduze.



Ngaphambili kokusondezela eshumini:

- Bhala usho ukuthi iphakathi kwamaphi amashumi amabili inombolo ezosondezelwa.
- Khombisa ngomcibisholo ukuthi ingahle ibe kuphi emgqeni wezinombolo inombolo ezosondezelwa.

a. I-I28 uma lisodezelwa eshumini eliseduzane liba yi-I30.



b. 877



c. 901



d. 566



e. 999



Sondezela lezi zinombolo e-10 eliseduze.

a. 161 b. 583 c. 415 d. 848 e. 612

f. 230 g. 327 h. 989 i. 534 j. 748



Nginginga amangaki amaphepha ama-RIO?

UMbali nabangani aba-8 bazoba nosuku lokuzithokozisa esikoleni. Bazokhokha ama-R4

umuntu ngamunye. UMbali kunemali ayongile wayesethi uzobakhokhela abangani bonke.

Wayeseya emshinini wemali wayoyikhapha. Umshini umnike imali

engamaphepha kuphela. Mangaki ama-RIO angamaphepha azowadinga?



113

Ukuphindaphinda kanye

nokuhlukanisa: okuhlanu kuya e-100

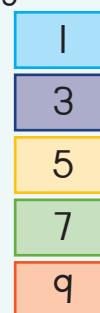
Usuku:

Ithemu 4



Qedela ishadi lokulandelanayo.

okungenisiwe



okukhiqiziwe



okungenisiwe



okukhiqiziwe



Qedela ithebhula elingezansi:

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



Bala:

$$12 \times 5$$

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

$$11 \times 5$$

$$13 \times 5$$

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



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

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

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

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

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



Xazulula lesi sibalo:

Ingadi yemifino inemigqa eyi-14 yezitshalo.

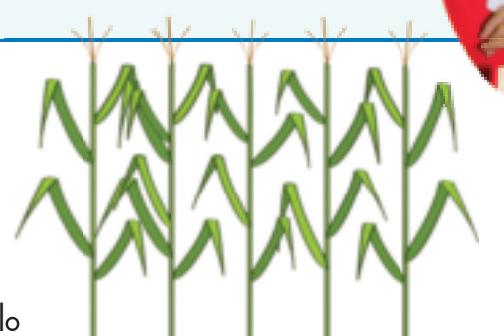
Umugqa ngamunye unezitshalo ezilinganayo ngobuningi.

Uma kunesamba sama-70 ezitshalo, zingaki izitshalo ezisemqgeni ngamunye?

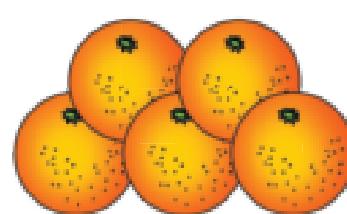
UDavide uthengisa amawolintshi ngamahlanu.

Unamawolintshi angama-85.

Uzogwalisa amasaka amangaki?



Teacher:
Sign:
Date:



114

Amaphethini ezinombolo: okuhlanu kuya e-1 000

Usuku:

Ithemu 4

Masibale ngakuhlanu kusukela ema-805 kuya ema-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



Phethini lini elivezwa yizinombolo ezikokelezew?

Okukokezelwe ngombala osasibhakabhaka :	Ukubala nga_____.
Bhala iphethini lalokho:	
Okukokezelwe ngombala obukhwebezana :	Ukubala nga_____.
Bhala iphethini lalokho:	



Bala.

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 lezinombolo 901 kuya e-1 000.

901		903	904	905	906		908	909	910
911		913	914	915	916		918	919	920
921		923	924	925	926		928	929	930
931		933	934	935	936		938	939	940
941		943	944	945	946		948	949	950
951		953	954	955	956		958	959	960
961		963	964	965	966		968	969	990
971		973	974	975	976		978	979	990
981		983	984	985	986		988	989	990
991		993	994	995	996		998	999	1000



Gcwalisa izinombolo ezidingekayo.

Mahluko muni okhona phakathi kwezinombolo ezisatshani kanye nezibukhwebezana ezisemgqeni owodwa?



Qedela la maphethini.

Uyalibona iphethini?	Lichaze.
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, _____	



Okunyę ngokulingana



Ishibuko.

Dlala nomngani nissbenzise isethi eyodwa yamaphazili
afana nomathayili (ane-14 lezingcezu) kokuSikwayo kwe-10.

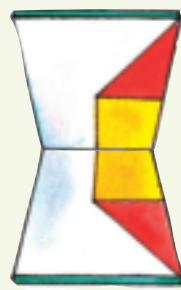
Umdali ngamunye unohhafu wezingcezu (izingcezu eziyi-7) zezimo zephazili ezingamathayili.
Alukho ucezu olufana nolunye.

Dweba umugqa phakathi nephepha. Le nxenye izobizwa angokuthi "wumugqa ogqamile".

Umdali wokuqala ubeka ucezu lwakhe oludwa eduze komugqa.

Umdali wesibili ubeka umugqa ogqamile ngale komunye umugqa. Kumele kuwuhintse umugqa lowo
noma kuthintse isimo ebessivele sibekive.

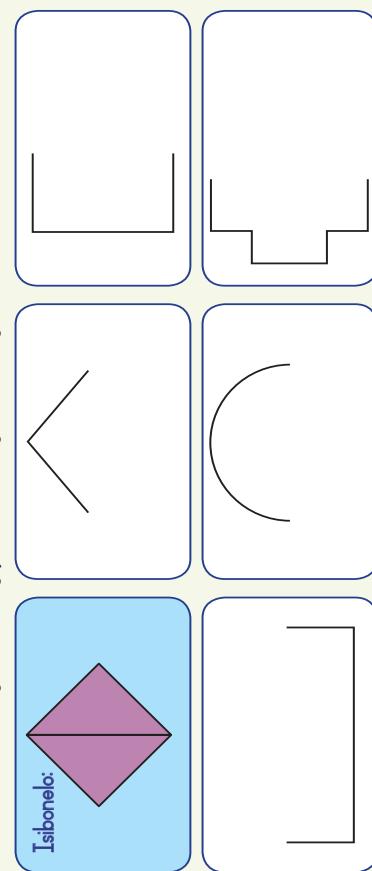
Umdalo mawuqhubeke zizebene zonke izingcezu.



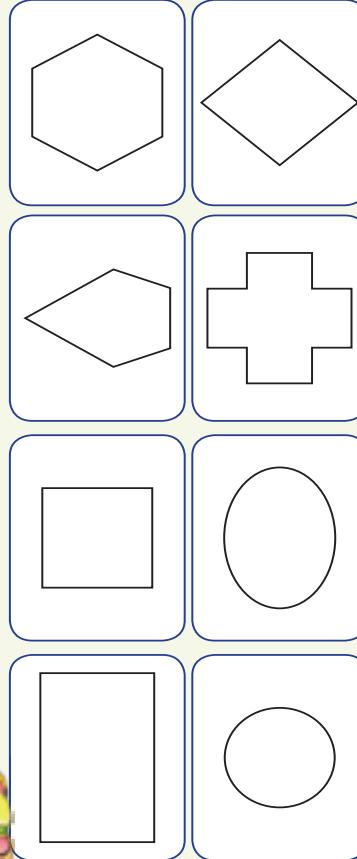
Usuku:

Dweba olunye uhlangothi lwesimo.

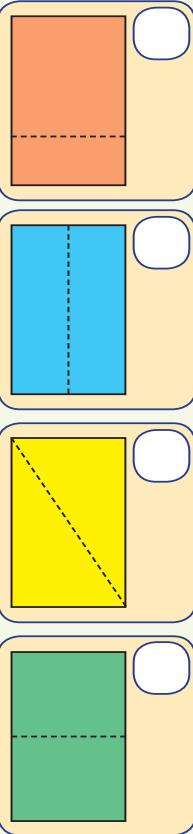
Matiye vezza umugqa oveza ukulingana kwezingcezu.



Dweba umugqa oveza ukulingana kwezingcezu kulokhu
okulandelayo:



Dweba umugqa oveza ukulingana kwezingcezu kulokhu
okulandelayo:



11 12 13 14 15 16 17 18 19 20

107

106



116

Amaphethini ezinombolo: okungakubili kuze kufinyelele ema-900

Masibale ngakuhanu kusukela ema-802 kuya ema-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

Itihemu 4

Ugweje nokungelona ugweje.

a. Dweba (X) eduze kwezinombolo ezilugweje (✓) eduze kwezinombolo ezingelona ugweje.

q14	q23	q16	q07	q29	q12	q11	q15
q08	q17	q25	q31	q30	q10	q09	q22

b. Phendula uthi ugweje nomu akulona ugweje.

Hlanganisa izinombolo ezimbili ezilugweje. Uthola inombolo _____

Hlanganisa izinombolo ezingelona ugweje. Uthola inombolo _____

Hlanganisa izinombolo ezintathu ezilugweje. Uthola inombolo _____

Ukutshala izihlahla.

Lena ujndella eqondile yokutshala izihlahla ezingama-48 emigqeni elinganayo.



Sibhalo: $2 \times 24 = 48$ (imigqa emi-2 yezihlaha ezingama-24 = 48) nomu

$48 \div 2 = 24$ (izihlahla ezingama-48 emigqeni emi-2 elinganayo zenza izihlahla ezingama-24 emigqeni). Balaimigqa kanye nezihlahla esitihombeni ingasinye ngezansi.

Bhalo umusho wezinombolo onphawu \times kanje nophawu \div ukugondanisa.



a. _____ \times _____ = _____



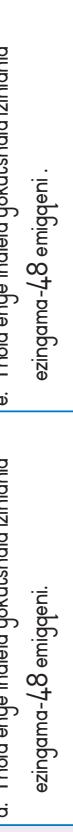
b. _____ \times _____ = _____



c. _____ \times _____ = _____



d. _____ \times _____ = _____



e. _____ \times _____ = _____



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

116

Uaaku:

Amaphethini ezinombolo:

okungakubili kuze kufinyelele ema-900

Masibale ngakuhanu kusukela ema-802 kuya ema-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

Phethini lini elivezwa yizinombolo ezikokelezelwe?

Okukokelezelwe ngombala osasibhakabha:

Bhalo iphethini labkhoo:

Okunombala osatshani:

Bhalo iphethini labkhoo:



Bala.



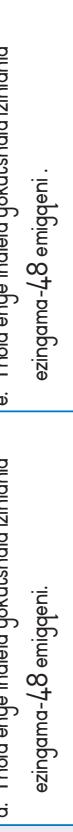
a. _____ \times _____ = _____



b. _____ \times _____ = _____



c. _____ \times _____ = _____



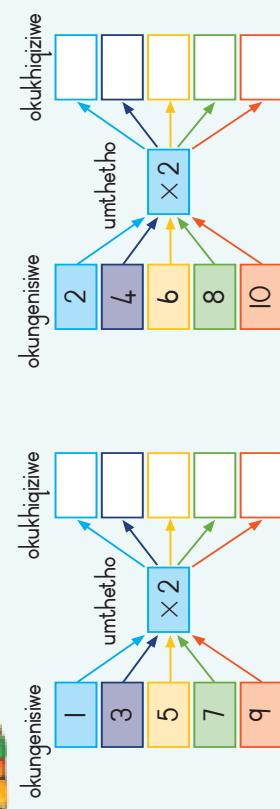
d. _____ \times _____ = _____



e. _____ \times _____ = _____

Ukuphindaphinda nokuhukaniisa: okungakubili kuze kufinyelele e-100

Qedela ishadi lokulandelanayo.



Qedela ithebhula elingezansi:

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



Bala:

$$11 \times 2$$

$$\begin{aligned} &= (10 + 1) \times 2 \\ &= 20 + 1 \\ &= 21 \end{aligned}$$

$$22 \times 2$$

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



Xazulula lesi sibalo:

Ingadi yemifino inemiga engama-32 yezitshalo.

Umgqa ngamunye unezitshalo ezi-2.

Zingaki izitshalo ezikhona engadini?

Ingadi yemifino inemiga engama-40 yezitshalo.

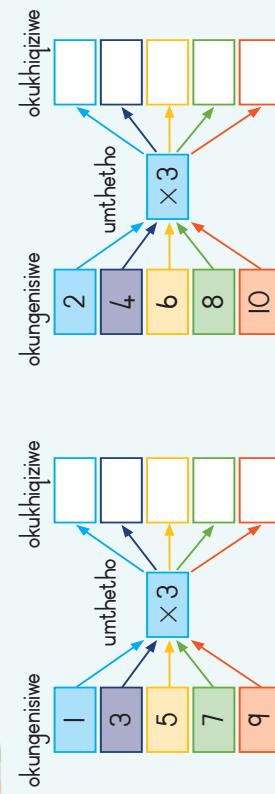
Umgqa ngamunye unezitshalo ezilnganayyo ngenani.

Uma kunesamba seztishalo ezingama-80 zingaki izitshalo ezikhona emgqeri ngamunye?



Ukuphindaphinda nokuhlukaniša: okuthathu kuya e-100

Qedela ishadi lokulandelanayo.



Qedela ithebhula elingezansi:

×	1	2	3	4	5	6	7	8	9	10
3										



Bala:

11×3	19×3
$ \begin{aligned} &= (10 + 1) \times 3 \\ &= 30 + 3 \\ &= 33 \end{aligned} $	$ \begin{aligned} &= (10 + 9) \times 3 \\ &= 30 + 27 \\ &= 57 \end{aligned} $

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

$$63 \div 3 = (60 + 3) \div 3 = 20 + 1 = 21$$

$$96 \div 3 = (90 + 6) \div 3 = 30 + 2 = 32$$

$$65 \div 3 = (60 + 5) \div 3 = 20 + 1 = 21$$

$$98 \div 3 = (90 + 8) \div 3 = 30 + 2 = 32$$



Xazulula lesi sibalo:

Umarelene unamaswidi angama-30.

Amaswidi ka Jakobe angaphindwa kostumi kwaka Marlene.

UJakobe unamaswidi amangaki?

Inqadi yemfino inemigqa engama-29 yezitshalo.

Umugqa ngamunye unezitshalo ezi-3.

Zingaki izitshalo ezsengadini sezizoneke?



11

Amaphethini ezinombolo okuthathu kuya e-1 000

Masibale ngakuthathu kusukela ema-803 kuya ema-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

Phethini lini elivezwa yizinombolo ezikokelezelwe?



Okukolezelwe ngombala **ophinko**:

Ukubala nga-_____.

Bhlaipethini:

Ukubala nga-_____.

Bhlaipethini:



Bala.

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. $880 - 3 - 3 - 3 =$

Ibhodi lezinombolo 901 kuya e-1 000.

901	902	903	904	905	906	907	908	909	910
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
942	943	944	945	946	947	948	949	950	951
952	953	954	955	956	957	958	959	960	961
963	964	965	966	967	968	969	970	971	972
973	974	975	976	977	978	979	980	981	982
983	984	985	986	987	988	989	990	991	992
993	994	995	996	997	998	999	1 000	999	999

Gewalisiza izinombolo ezidingekeyo.



Faka umbala enombolweni edingekeyo ebhukhini elisatshani.

Faka umbala obomvu ezikhalieni esimhlophe esinezimbolo.

Phethini lini olibonago?



Qedela la maphetshini.

983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1 000.

- a. Hlanganisa oku-4 kathathu ffinyelélé ema-984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1 000.

- b. Hlanganisa oku-5 kathathu ffinyelélé ema-973.

- c. Susa oku-4 kathathu ema-975.

- d. Susa oku-3 kathathu ema-947.

- e. Hlanganisa oku-2 kathathu ffinyelélé ema-932.

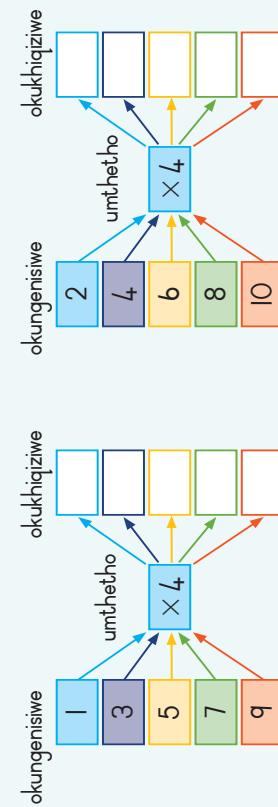
11 2 3 4 5 6 7 8 9 10

12 13 14 15 16 17 18 19 20

120

Ukuphindaphindā nokuhukanisa: okune kuya e-100

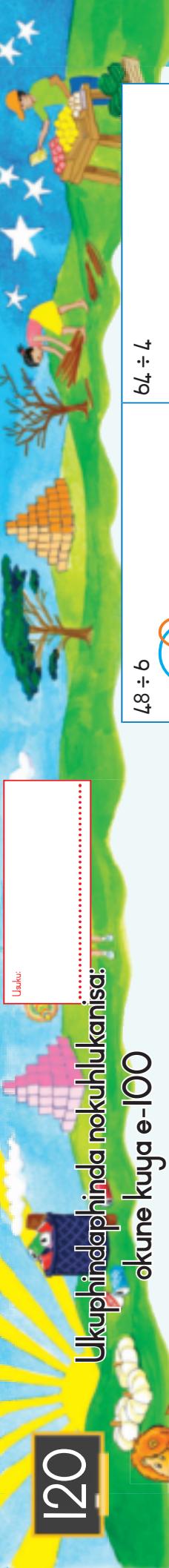
Qedela ishadi lokulandelanayo.



Qedela ithebhula elingezaasi:

\times	1	2	3	4	5	6	7	8	9	10
4										
120	120	240	360	480	600	720	840	960	1080	1200

Itihemu 4



$48 \div 6$ $= (40 + 8) \div 4$ $= (40 \div 4) + (8 \div 4)$ $= 10 + 2$ $= 12$	$64 \div 4$ $= (60 + 4) \div 4$ $= (60 \div 4) + (4 \div 4)$ $= 15 + 1$ $= 16$
--	--

	
Xazulula lesi sibalo:	Kuzomthatha izinsuku ezingaki ukuwaqeda?
Ufony umamaswidi angama-36. Udla amq-4 nsuku zonke.	Ufony umamaswidi angama-88. Uhamawolintshi angama-88. Uzgewalisa amaphakethe amangaki?

	
Bala:	
12×4 $= (10 + 2) \times 4$ $= 40 + 8$ $= 48$	11×4 15×4 $= (10 + 3) \times 4$ $= 30 + 12$ $= 30 + 10 + 2$ $= 52$

121

Amaphethini ezinombolo: okune kuya e-1 000

Masibale ngakune kusukela ema-804 kuya ema-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

Phethini lini elivezwu yzinombolo ezikokelezelwe?

Okukokelezewu ngombala osatshani :	Ukubala nga- _____
Bhalaphethini lalokho:	Ukubala nga- _____
Okukokelezewu ngombala obukhwbezana :	Ukubala nga- _____
Bhalaphethini lalokho:	Ukubala nga- _____



Bhalaphethini lalokho:

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

Ibhodi lezinombolo: 901 kuya e-1 000.

901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

Gcwalisza izinombolo ezidingekekayo.

Fakaumbala osatshani ezinombolweni ezidingekekayo. Fakaumbala obomvu ezikhalleni ezimhliphe ezinezinombolo. Phethini lini olilongoy?



Qedela la maphetihini.

- a. Hlanganisa oku-4 kane uze ufinyelele ema-980. 984, 988, 992, 996

- b. Hlanganisa oku-5 kane uze ufinyelele ema-971.

- c. Susa oku-4 kane ema-963.

- d. Susa oku-3 kane ema-927.

- e. Hlanganisa oku-2 kane uze ufinyelele ema-938.

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

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

Teacher: _____
Sgn: _____
Date: _____

Izingxenye ezilinganayo zento ephelé

Uhhafu, noma ngabé uwusika ngandéléani.



Sika onxande ephépheni
elifakwe umbala.
(Okokurikwa kwe-11).

Tholaizindlela ezahlukene zokwakha uhhafu.

1. Qoqa iphepha elingunxande ngobude libe wuhhafu. Lisike lapho
ligoqek khona libe wuhhafu. Lezi zingxenye zilingana ncimishi.
Ingxenye ngajinye iwuuhhafu owoðwa ($\frac{1}{2}$) kanxande ekade linguye.



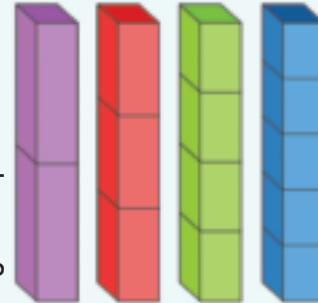
2. Qoqa elinye iphepha elingunxande libe wuhhafu owoðwa kanxande ekade linguye.
libe wuhhafu lapho beligoqwe khona. Lezi zingxenye zilingana
ncimishi. Ingxenye ngajinye iwuuhhafu owoðwa kanxande ekade linguye.



3. Iyiphi enye indlela engasebenza ukuhlukanisa leli phepha libe
zingxenye ezimbili ezilinganayo? Zama lokku ungephepha kanye
nesikélé, bese ussebeniza umugqa ngokuthi lisike lapho ukade
ugoqe khona.



Okunye ngezingxenye ezilinganayo zokuphele.

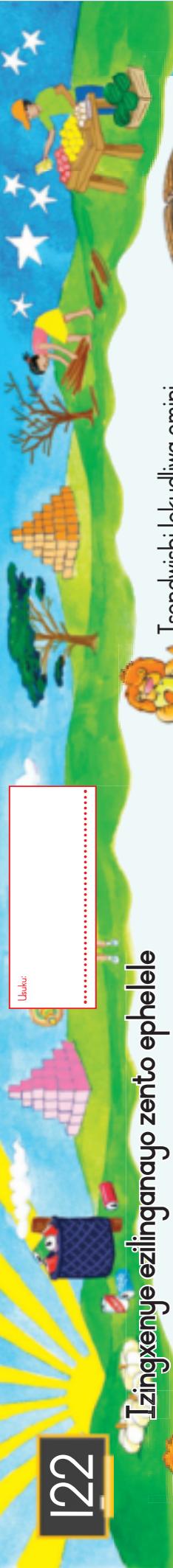


Uma shluukanisa into ibe yizingxenye ezi-2 ezilinganayo
sizibiza **ngawohhafu**.

Uma shluukanisa into ibe yizingxenye ezi-3 ezilinganayo
sizibiza **ngokwesithathu**.

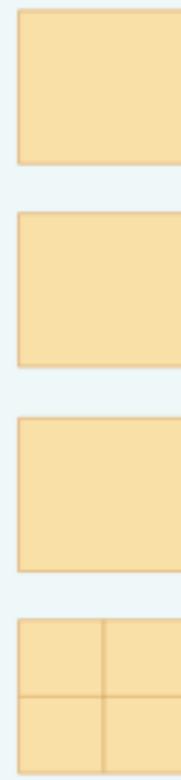
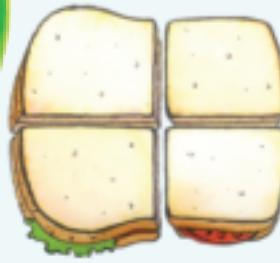
Uma shluukanisa into ibe yizingxenye ezi-4 ezilinganayo
sizibiza **ngokwesine**.

Uma shluukanisa into ibe yizingxenye ezi-5 ezilinganayo
sizibiza **ngokweshlanu**.



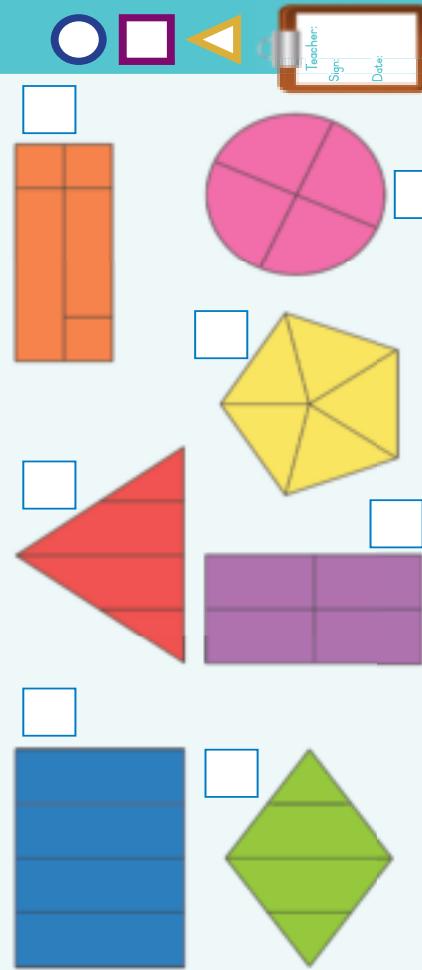
Isendwishi lokudliwa emini.

UThabo nabangani aba-3 benzé amasendwishi amaningi asemimi.
Bawaisike aba ngamagħeqhezu **okwesine** noma **amakota**.
Lokhu kusho ukuthi bawaisike aba yizingcezu eżine ezilinganayo.
Ngenye yezdindell l-ġen. Veva eżinje izindella ezi-3 abangenza
ngazo okħru.



Ukuħlukanisa ngokwesine.

Uma ngaleli qhezu: $\left(\frac{1}{4}\right)$, sisika intu ibe yizingcezu ezingamakota sijsika ibe
yizingcezu eżine ezilinganayo.
Thikha (✓) ezithombeni ezinezansu ukukhomħis amakata noma okwesine.



| 2 3 4 5 6 7 8 9 10

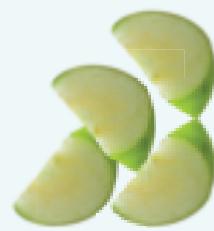
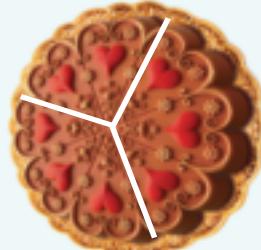
| 11 12 13 14 15 16 17 18 19 20

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Ithemu 4

Izibalo zamaqhezu

Xoxa ngamaqhezu nomunye wabangani.



Xazulula lesi sibalo ngokuphendula imibuzzo
nokwenza imidwebo.



a. Umqeqeshi webhola lomphabezo upha abadali uhhafu wewolintshi. Kunaballai abyj-14.
Udinga amawolintshi amangaki esewonke? _____

Uthini umbuzzo? _____

Yiziphi izinombolo nom a maqhezu akhona kulesi sibalo? _____

Yiliphi igama elibalulekile? _____

Dweba isithombe.

Itthini impendulo? _____

1 2 3 4 5 6 7 8 9 10

b. Umama uphe mina nabangani bami abyj-11 ikota le-apohula ngamunye.

Udinga ukuba nama-apohula amangaki empele? _____

Yiziphi izinombolo ezikhona nom a maqhezu akhona kulesi sibalo? _____

Yiliphi igama elibalulekile? _____

Dweba isithombe.



Itthini impendulo? _____

c. Ngosukul longubho wesikole bathengisa amakhekhe asikwé aba yizingcezu ezintathu liliyé.

Bothengise izingcezu zekhkhé kubantu abangama-24.

Bothengise amakhekhe amangaki? _____

Yiziphi izinombolo ezikhona nom a maqhezu akhona kulesi sibalo? _____

Yiliphi igama elibalulekile? _____

Dweba isithombe.



Itthini impendulo? _____

11 12 13 14 15 16 17 18 19 20





Izinto eziwonhlangothi-ntathu

Buka isithombe.

Yikuphi kwakhu okwakheke kwabu ngamdbhola, amaslininda nom amsdbhokisi?



Itthemu ↗

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Okuqondile nokugobile.

Ezinye izinto zakhetek zaba jiscaba. Ezinye zigobile.

Izimba linamacia amabilii ayiscicaba nelliadwa eligibile.	Ikhoni linecadia ellidwa elyiscicaba nelliadwa eligibile.	Indlinga igobile kuzo zonke izinhlangothi zayo.

Ulkingingqika.

Yenza sengathi uyglibona indlinga, ikhowuni nom aisyijing kugingqika.

Kulezi ezintathu izinto, iyphi:

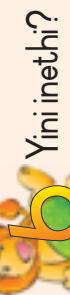
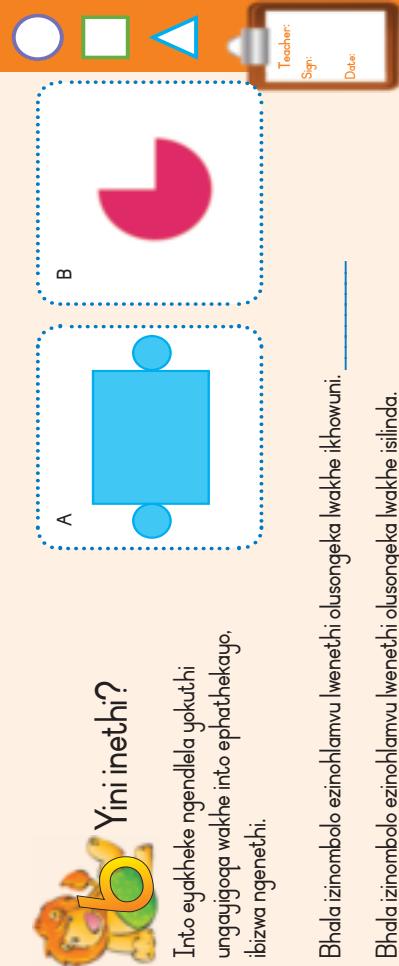
- Engike ightingqike iye kude?
- Engagingqika iqonde ingagbi?
- Engagingqika iye nom a yikuphi?

Thola izithombe ezimbili zalo khu uzinamathisele lapha nganzansi.



Dweba umugqa ngaphansi kwempendulo efanele.

- Utamatisi wakheli waba yibholo/yibhokisi/jisilinda.
- Ingilazi yesiphu zo yakheli yaba yibholo/yibhokisi/jisilinda.
- Inowadi yakheli yaba yibholo/yibhokisi/jisilinda.



Intu eyukheke ngendella yokuthi ungaqjogq wakhe into ephethkayo, ibizwa genethi.

Bhala izinombolo ezinohlamvu lweneteli olusongeka lwakhe lkbowuni. _____

Bhala izinombolo ezinohlamvu lweneteli olusongeka lwakhe lisilinda. _____

Usaka: _____

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

Amanye amaqhezu

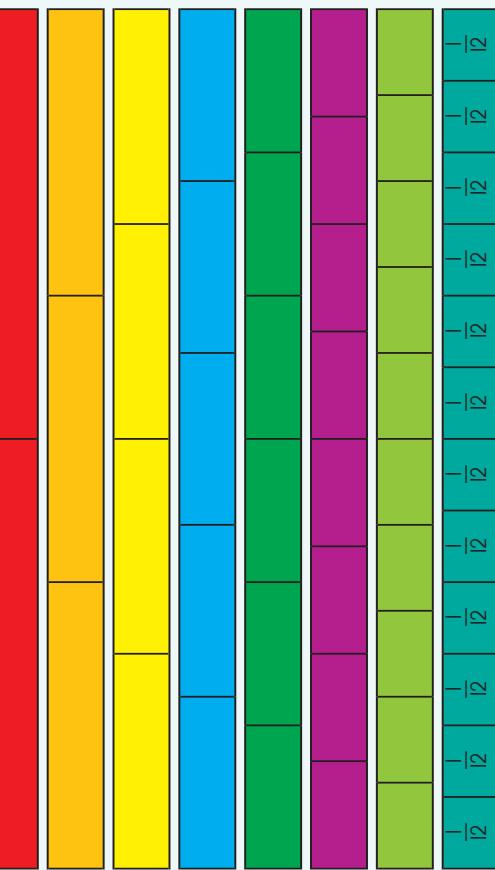
Nikeza amagama amaqhezu.

Bhalaiqhezu elimele izithombe ezingezansi.

a. Kujiqhezu elingakanani okunombala obomvu?	b. Kujiqhezu elingakanani okunombala osotshani?		d. Kujiqhezu elingakanani okunombala ophuz?
c. Kujiqhezu elingakanani okunombala ossisibhakabha?			

Ithemu 4

Udonga emaqhezwini.



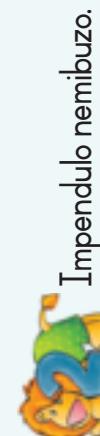
Umugqa owdwa uhlukaniseke izingxeny ezmibili ezilingamayo. Phansi kuhlukaniseke amaqhezu okweshumi nambili ($\frac{1}{2}$).

Lebulu eminye imiqqa ngamaqhezu afanele.

Sebeniza umphetho ogondile wephepha ukuthola amaqhezu dlinganayo. Iokho kuzokusiza ukuphendula le mibuzzo

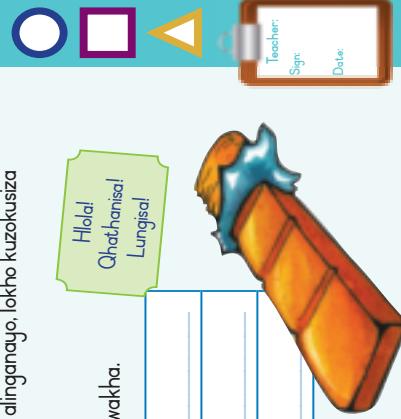
Sukela odongeni lwamaqhezu, utbole izindlela ezahlukene zokwakha.

- a. uhfatu owdwa $\frac{1}{2}$
- b. okukodwa okuphelele ()
- c. amakota amathathu $\frac{3}{4}$



Impendulo nemibuzzo.

- a. USizwe unezingcezu zikashokoledi ezine. Upha umngani wakh'e ucezu oludwa Liqhezu lini likashokoledi asele nalo? _____
- b. UYasmin unamavolintshi amabili. Upha uMimi elliodwa. Usele naqhezu lini? _____
- c. UMariya uthenga oshokoledi abo-5. Uzibekela o-1. Upha uMohamedii ababili. Upha umfowabdo oshokoledi ababil futhi. Usele neqhezu elingakanani yera kowakhe? _____



Ukubala amaqoqo nokwabelana



Thola lapho kuxhumana khona lohku.



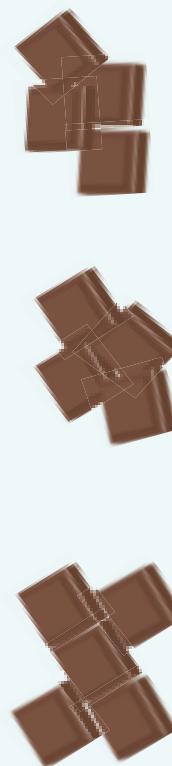
Ukubala ngokushesha.

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

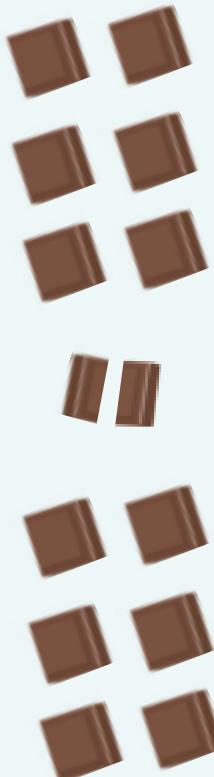


Kusalani.

Ojabu noLebu bafuna ukwabelana ngoshokoledi oyi-13. Bathola omngaki ngamunye?



Bazokwabelana ngez'ikwele zaivo eziy-12 bankane b umuntu emunye. Ucezu olusatay bangaluhlephula ukuze umuntu emunye agcine ethole $b\frac{1}{2}$ wezingcezu.



- a. Emcimbini bekunamaswidi angama-25 okuding'eké abewé izingane ezi-10.
Abela lezo zingane. Dweba izithombe, zizokusiza.



- Umuntu ngamunye uthola _____ wamabhande.
- b. Aba ama-37 amabhande wabele abantwana aba-4.

Umuntu ngamunye uthola _____ wamabhande.

- c. Aba ama-48 amabhande wabele abantwana aba-5.

Umuntu ngamunye uthola _____ wamabhande.

- d. Aba amabhande angama-73 wabele izingane ezi-10.

Umuntu ngamunye uthola _____ wamabhande.



Amaqhezu kutangramu



I Tangramu yipphazi elidala lase China eldakhive ngemimo eyi-7 ebizwa ngefans yonke imimo ibekwa ndawonye ukuze yakhe izakhivo ezahlukahulkene.

Amaqhezu kutangramu.

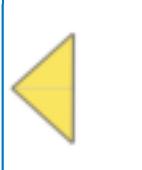
Holisise ipphazili letangramu. Liqhezu lini lokuphelel okujisikwele abajilo labo nxantathu ababil abakhlulu? (Kuphinkiki kulesi sitombé.)



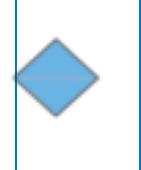
Uma ugoqa eyodwa yawonxantathu uyenze izingcezu ezimbili ezilinganayo, ucezu ngalunye lugalingana nonxantathu omaphakathi ngobukhulu (Kuphuzi esithombeni). Qhezu lini esikwelensi sisonke (itangramu) eldakhiva ngunxantathu omaphakathi ngobukhulu?



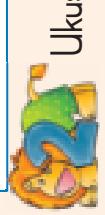
Uma ugoqa eyodwa yawonxantathu uyenze izingcezu ezimbili ezilinganayo, ucezu ngalunye lugalingana nawonxantathu ababil abancane. (Kusatshani esithombeni.) Qhezu lini esikwelensi sisonke (itangramu) eldakhiva ngunxantathu ngamunye kwabancare?



Faka onxantathu abancane abobili ndawonye wakhe isikwele esincane. Qhezu lini esikwelensi sisonke elakhiva yisikwele esincane (Kusasibhakabhaka esithombeni)?



Faka onxantathu abancane abobili ndawonye wakhe ipharaleogramu. Qhezu lini esikwelensi sisonke (itangramu) eldakhiva yipharaleogramu?



Ukusetschenziswa kwetangramu.

Sika amatangramu amabil ekhasini Lokusikwayo kwe-[2] ulebulu ucezu ngalunye ngephezu olulufanele ngokweikwele esiphele. (Lawa ngamatangramu empela nemimo yavo.) Faka ijama lakho ngemuvu ocezwini ukuze ukwazi ukuzithola izingcezu zakho uma sekuphele umdali.

Umdallo wamaqhezu okwabelana ngokuyijkho.

Dala naboddali aba-4-8 nissabenize izingcezu zetangramu.

1. Abaddali bayadedelana ekubeni ngabophathi bokuthengisiana.

2. Umphathilii wokuthengisiana nguyena onqumayo ukuthi yimuphi umdali okumele afake inani elthile letangramu esethini.

3. Umdali ngamunye uyaqagela ukuthi uhamvu luzoreza ikhanda nomha jini uma liphonswa, umhlwebi base eluphonsa phansi.

4. Umphathilii wohwebelano wabelana okusesethini ngokulinganayo nalabo abaqagele basihaya khona. (Angazithola esethengisa oluladwa ucezu kumbe ngaphezulu ukuze athole izingcezu ebiziba ngokufanayo nanazo.)

5. Okusele okungeke kwabelwane ngakho kusala esikhwameni kulindele ukusetschenziswa ngethuba elizayo.

6. Bonke abadli ali bayaqiniseka ukuthi ukwabelana kuhambe ngokuyijkho.

7. Uma umdali ethola ipputha, ophethe uhlawulisa e-likuya kwezi-8 kweikwele sonke, leyo nthlawu itathwe wumddali wokugqa otbole ipputha.

8. Umdali ongenado izingcezu angasale esethatha okusele esikhwameni.

9. Umdallo uyaqhubele lize ihlandla lokuba ngumphathi lifinyelele kubo bonke abadli.



| 2 3 4 5 6 7 8 9 10 |

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



Ukukola umthamo



Sebenzisa
ibhoddela leplastiki
kanuje enkomishi.

Inkomishi (250 ml)

Zngakizinkomishi
ezingcwalisa lesi isiquath?

Akudingeketi ukuthi uwasho
amalitha kumbi amalitha.
Gagula amagama adhi
'inkomishi' nelihi ibhoddela.

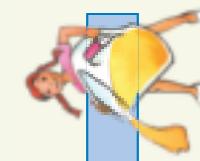
Isiquath esilingana litcha ellodwa

Akha litcha.

Thola indlela ongafinyelala ngayo ellitheni ellodwa usebenzisa izinhlobo
ezahlukene zoketshezi.

Bhala umusho wezinombolo ngakunkye way.

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



Usuku

Umthamo wenkomishi una igcwele ngu-10
kanti ivolijumu yenkomishi egcwele ngu-1.



Ungakanani umthamo
wenkomisi uma
igcwalisiwe?



Tsipuni senza inkomishi
iquathethe ukucina
ezengen ikuqala.



Sikala uketshezi oluncane ngamamilitha (ml).

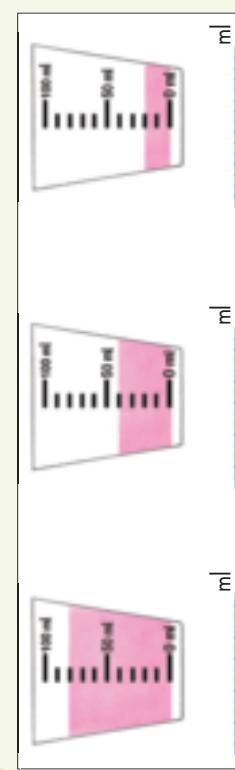
Le inkomishi yokukala imithi qukathha i-10 ml, okho
kuthi akube ngamathisipuni omabili.

Izinto ezithe ukuba ningana sizikala ngamalitha (l).
Ellitheni ellodwa kunamamilitha ayinkulungwane
(000).



Lolu ketshezi lungakanani?

Mangaki amar-ml aqukethwe ngujike ngamunye?



Lolu ketshezi lungakanani?



Hlikha izinkomishi
zokukala imithi
ukukombisa ukuthi
ziqukethe
kangdkanani.

Umu-ml = 1000 ml (l)

Uma sibhalu izimpawu zokukala umthamo sisthaya isikhala esincane phakathi kwenombolo kanje
nophawu. Isibhalo: sibhalu-3 l hhay u-3l; 299 g hhayi 299g; 15 km hhayi 15km.

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

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



Emdalweni.

Uma kufikwa kuhafu wesikhathi umdali uphuza $\frac{1}{4}$ welitha lejusi.

a. Bangaki abadalli abakwazi ukahlonganjela?

$$1 \text{ litha} = \underline{\quad} \text{ welitha} \quad 4 \text{ welitha} = \underline{\quad} \text{ welitha}$$

b. Ingakanani ijesi abayidjingela?

$$8 \text{ wabaddali} = \underline{\quad} \text{ qwabaddali} \quad 12 \text{ wabaddali} = \underline{\quad}$$

Amalitha namamiliitha (ml).

$1 \text{ litha} = 1000 \text{ ml}$	$\frac{1}{2} \text{ welitha} = \underline{\quad} \text{ ml}$	$\frac{1}{4} \text{ welitha} = \underline{\quad} \text{ ml}$
$25 \text{ ml} = \underline{\quad} \text{ welitha}$	$50 \text{ ml} = \underline{\quad} \text{ welitha}$	

Yenza uhafu welitha.

Bekauphawu (✓) wezingxenyen ezi-3 ezifkwa zakhe uhafu welitha.

120 ml	140 ml	160 ml	28 ml	240 ml

Ubisi luyilungele impilo yakho.

Abelanani amalitha ama-4 obisi phakathi:

a. Kwabantwana abayisi-8.

Umntwana ngamunye uthola $\underline{\quad}$ wamalitha.

b. Kwabantwana abayisi-16.

Umntwana ngamunye uthola $\underline{\quad}$ wamalitha.

c. Kwabantwana abayisi-12.

Umntwana ngamunye uthola $\underline{\quad}$ wamalitha.

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

Kala uthele



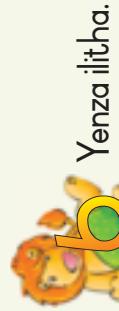
Usuku

Ibha kaBongi yejusi.

Kujekke o-l. uBongi usebenzisa ikota eliodwa $\left(\frac{1}{4}\right)$ lenkomishi yejusi kanye nezinkomishi ezi-2 zamanzu.

Bala ukuthi uBongi usebenzisa ujusi namanzi okungakanani kojeke bakajusi abayisi-5.

Ojek	1	2	3	4	5
Izinkomishi zakajusi	Ikota eliodwa $\left(\frac{1}{4}\right)$				
Izinkomishi zamanzu	2				



Yenza ilitha.

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

Udinga ezingaki iziqukathi ngayinye ukwenza ilitha?

a. $\underline{\quad}$ $\times 100 \text{ ml}$	b. $\underline{\quad}$ $\times 200 \text{ ml}$	c. $\underline{\quad}$ $\times 250 \text{ ml}$
e. $\underline{\quad}$ $\times 500 \text{ ml}$	f. $\underline{\quad}$ $\times 50 \text{ ml}$	



Ngemva komcimbi.



Hola! Qhathanisa! Lungisa!

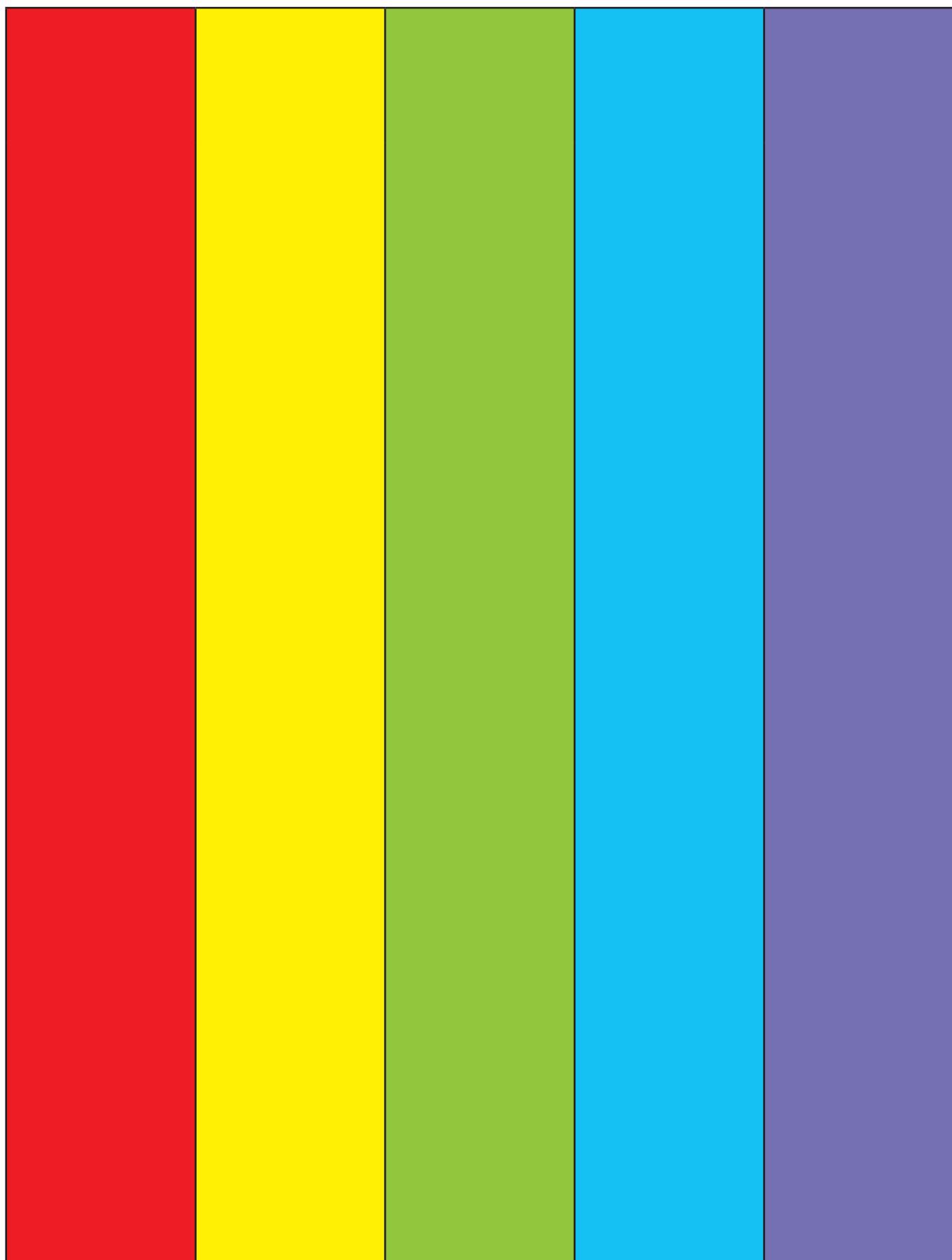
Umcimbi kaThandi sewuphelle. Kukhona iziphuzo ezisele.
Kusele ijesi ophuzi ongakanani? _____

Kusele ijesi obukhwebezane ongakanani? _____
UThandi uxuba ojusi bobabili.

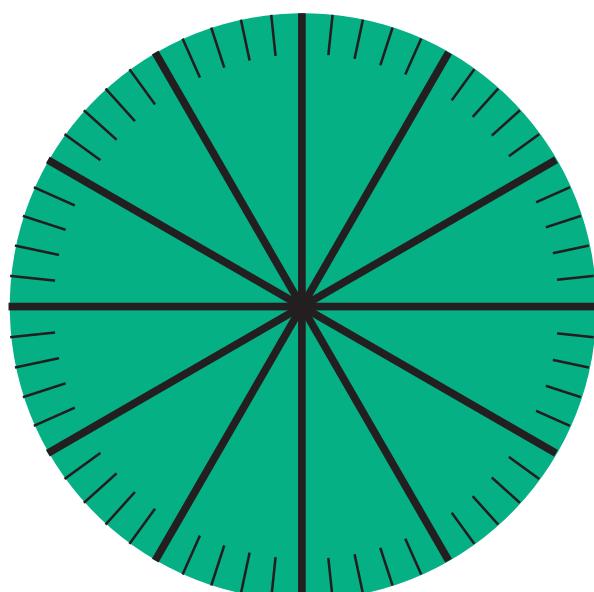
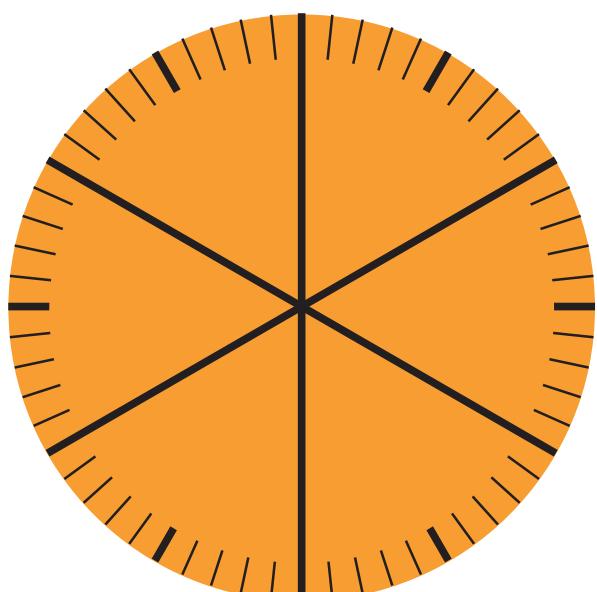
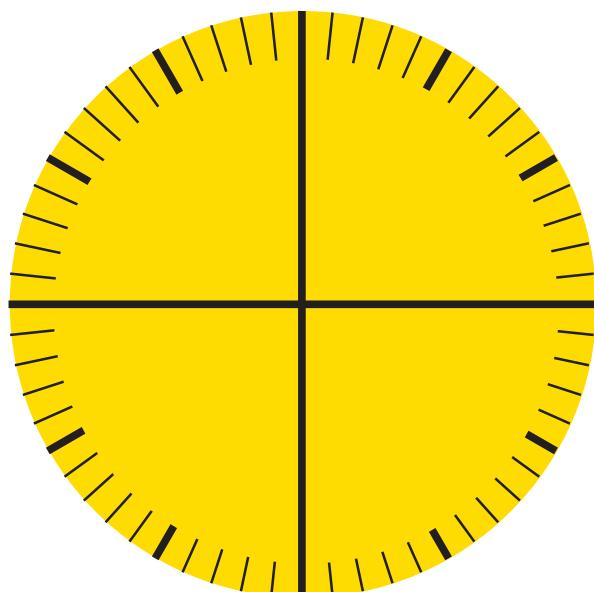
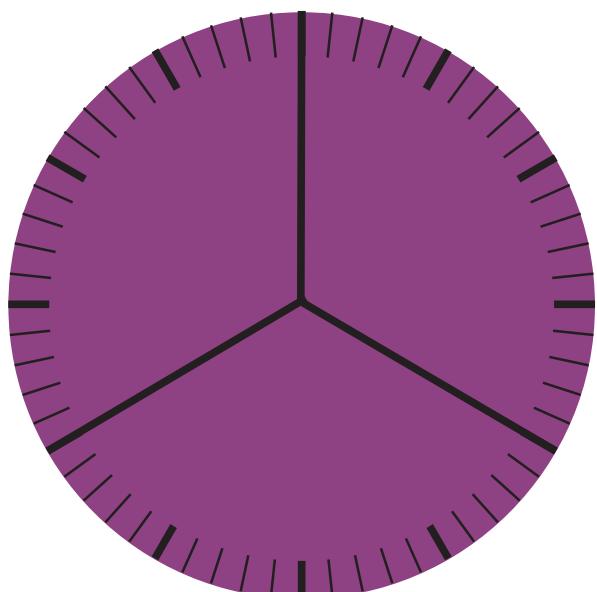
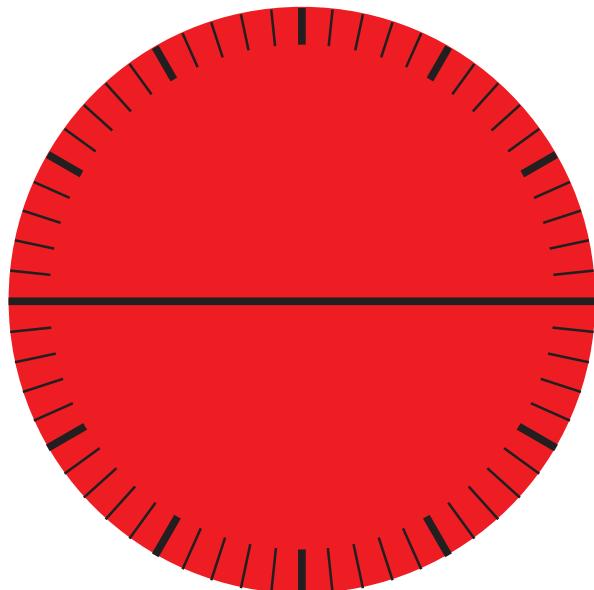
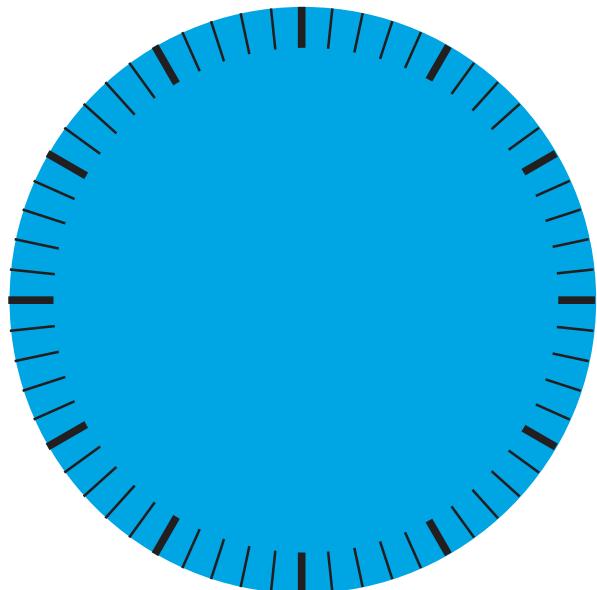
Anggewaliswa ejekе abangdak? _____

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

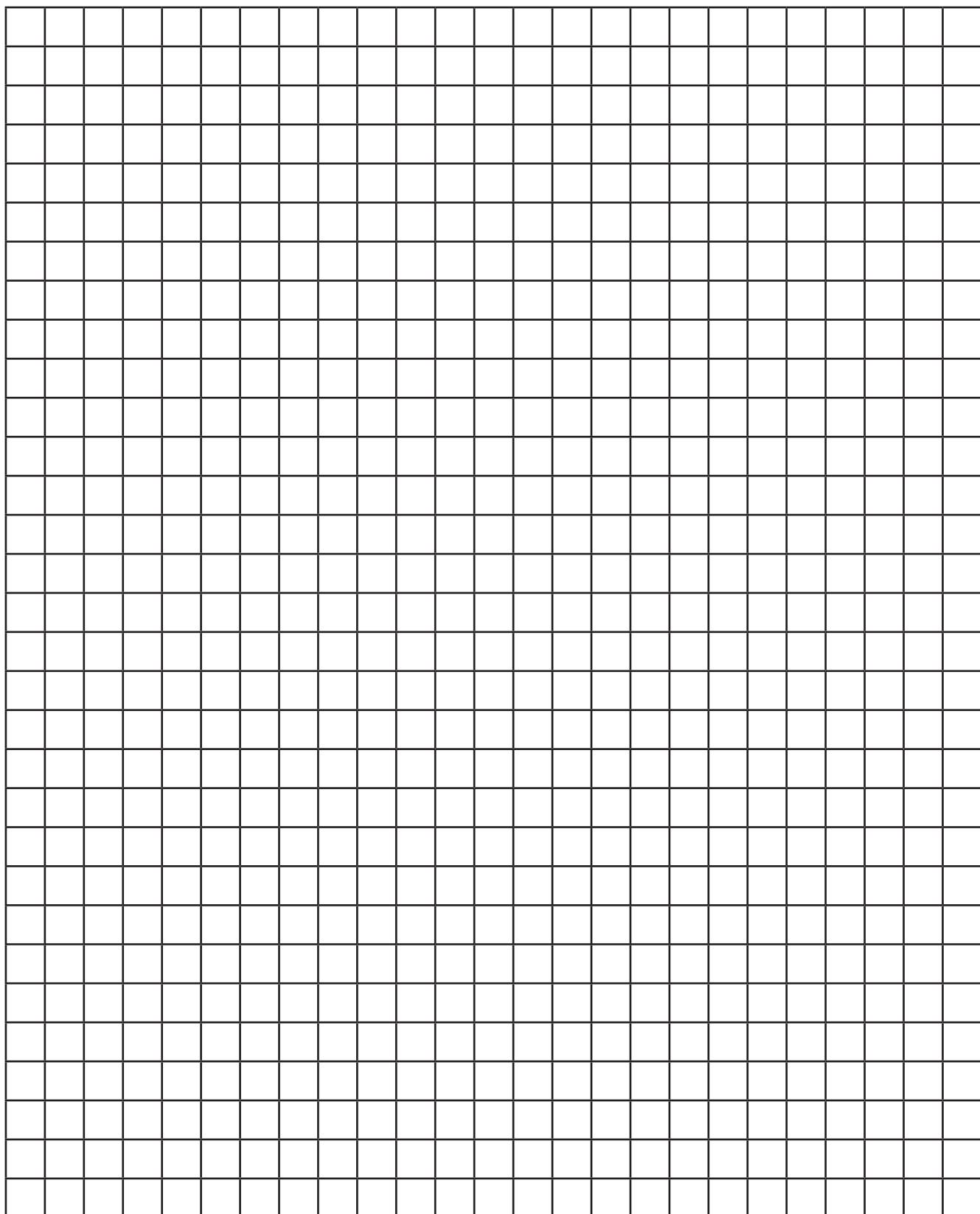
Okokusikwa kwesi -5



Okokusikwa kwesi -6



Okokusikwa kwesi -7

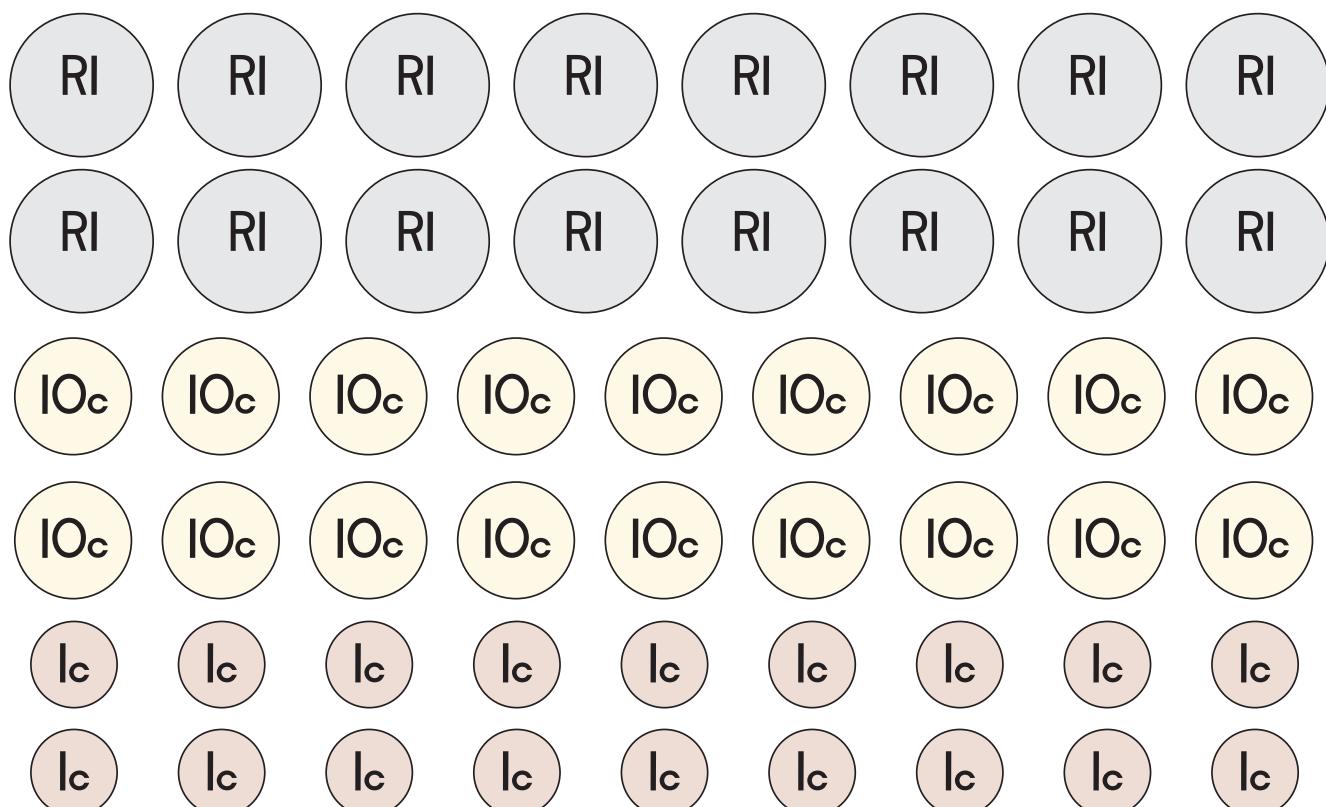


Okokusikwa kwesi -8

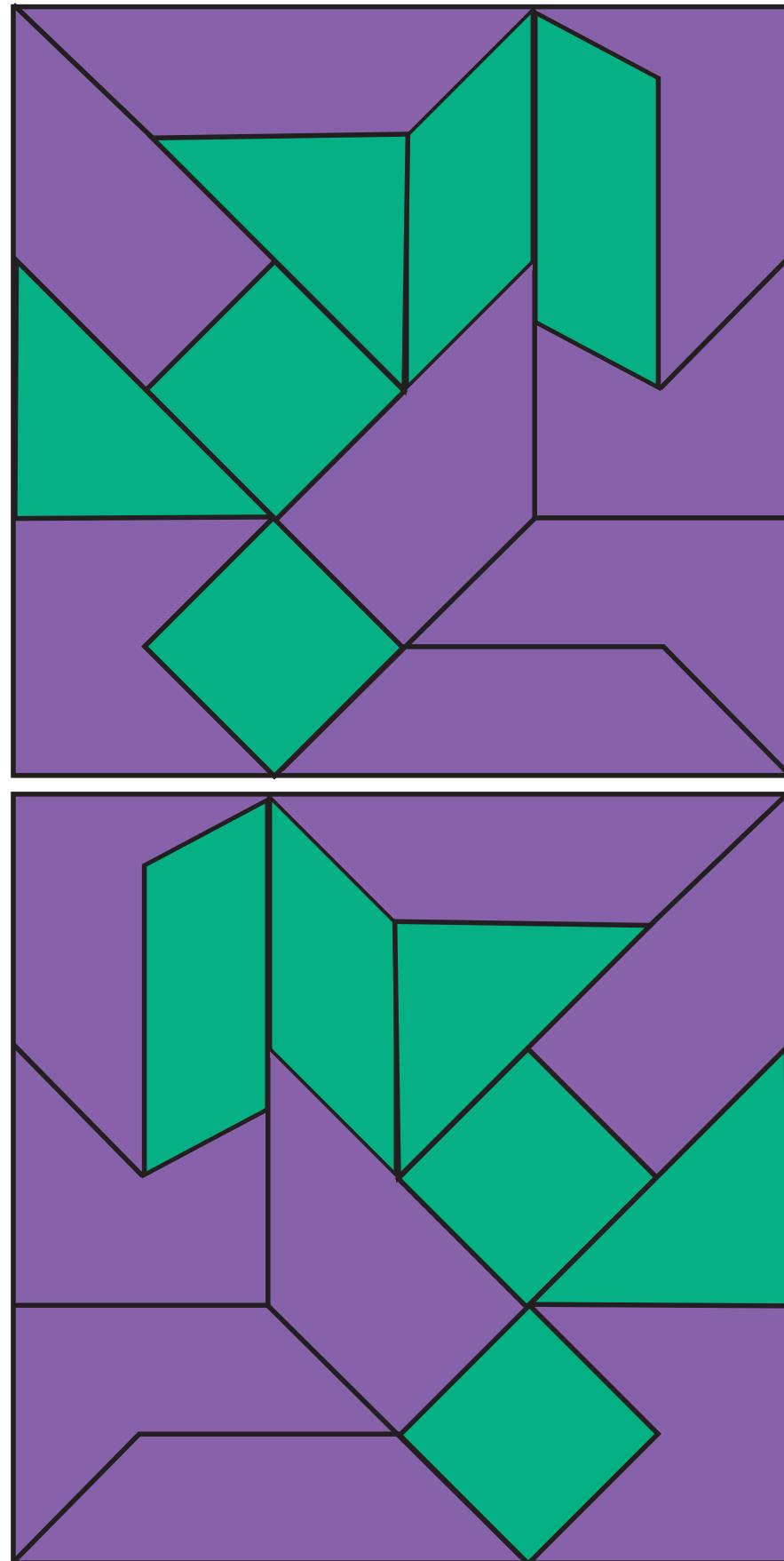
Ic	
IOc	
Rls	
Rios	
Rios	

Okokusikwa kwesi -q

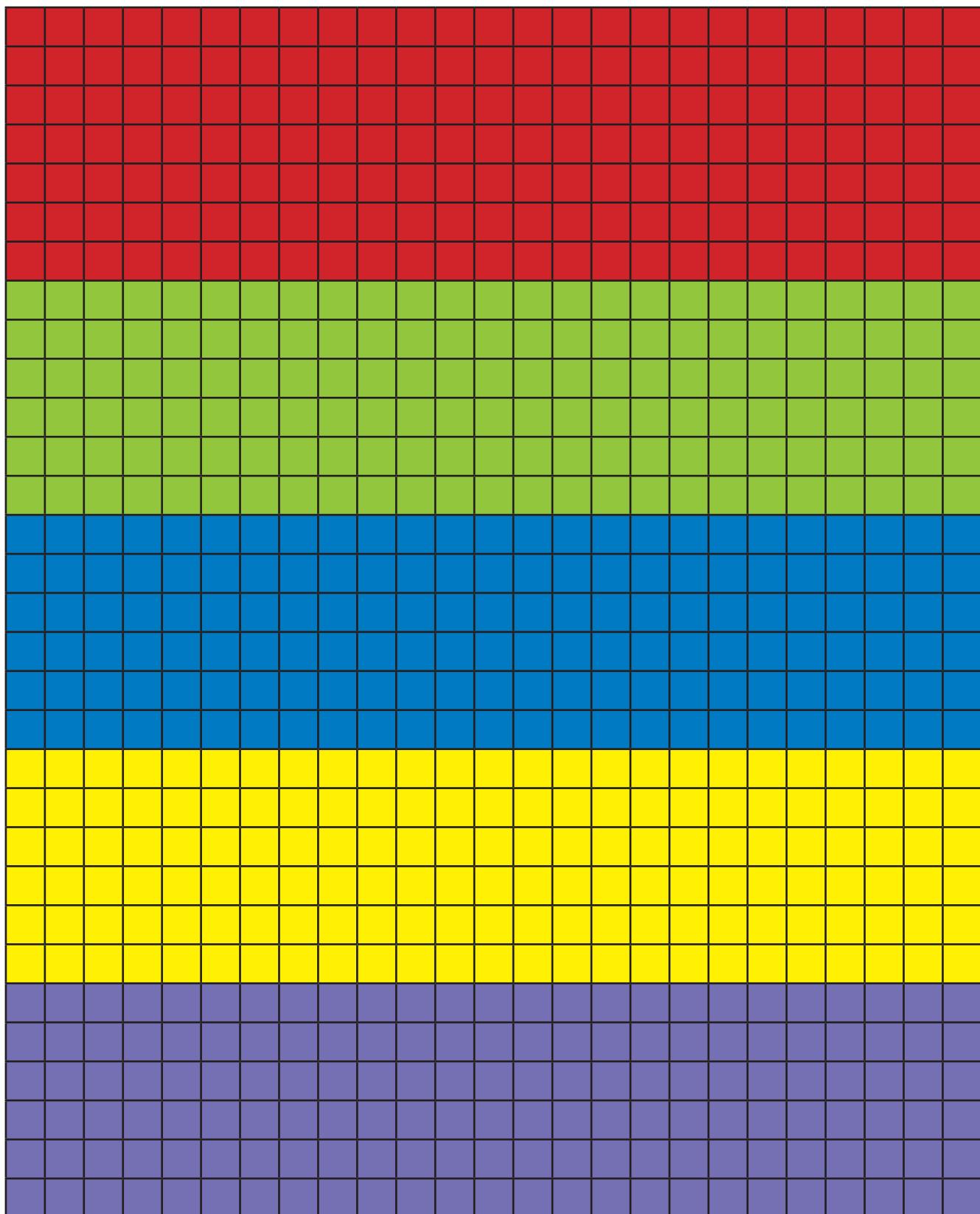
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO



Okokusikwa kwesi -10



Cut-out II



Cut-out I2

