

**Ukufunda ngoMgaqo-siseko weRiphabliki yoMzantsi Afrika (1996)**

Umgaqo-siseko weli loMzantsi Afrika (1996) uqulthe eyona mithetho yongameleyo yeli lizwe. Le mithetho ingaphezulu komongameli welizwe, ngaphezulu kweenkundla zamatyala nangaphezulu kukarhulumente.

Le mithetho ichaza indlela abemi beli lizwe abafanele ukuphathana ngayo, nokuba ayintoni amalungelo noxanduva lwabo omnye komnye. Umgaqo-siseko welizwe ukho ukuze usikhusele ngalo mzuzu kwaye ukhusele nabantwana bethu kwixesha elizayo.

**Masiyazi imvelaphi yethu.**

**Masingaphindi iimpazamo zexesha elidlulil eyo.**

**Umgaqo-siseko wethu uyasinceda ukuze sakhe ingomso eling cono lomntu wonke.**

Thina, bantu boMzantsi Afrika, Siyaziqonda iimeko zolwaphulo-bulungisa zamaxesha ethu adlulileyo; Sibanika imbeko abo beva ubunzima bebulalekela ubulungisa nenkululeko elizweni lethu; Siyabahlonela abo bathi basebenzela ukwakha nokuphuhlisa ilizwe lethu; kwaye Sikholelwa ekubeni uMzantsi Afrika ngowethu sisonke thina sihlala kuwo, simanyene nangani siziintlobo ngeentlobo.

Thina ke ngoko, ngabameli bethu abanyulwe ngokukhululekileyo, siyawuvuma lo mGaqo-siseko ukuba ungowona mithetho wongameleyo weRiphabliki ukuze—

Ungcibe udibanise izantlukwano zangaphambili uze wakhe uluntu olusekwe kwizithethe ezixabisekileyo zedemokhrasi, ubulungisa kwezintlobo namalungelo abantu asisiseko;

Wenze isiseko soluntu oluphila ngendlela yedemokhrasi nolwenza izinto elubala apho urhulumente asekelwe kwintando yabantu nalapho wonke ummi ekhusele ngokulinganayo ngumthetho;

Uphucule ixabiso lokuphila kwabo bonke abemi, uze uvumele ukusebenza kwesakhono somntu ngamnye; kanjalo

Wakhe uMzantsi Afrika omanyeneyo nonedemokhrasi onakho ukuthabatha indawo yawo efanelekileyo njengelizwe elinobunganga kusapho lwezizwe ngezizwe.

**Wabange amalungelo a kho njengommi weli loMzantsi Afrika kwaye nawe uluthathele kuwe uxanduva lokukhusela amalungelo abanye.**

**Wazi amalungelo akho noxanduva lwakho.**

*Wanga uThixo angabakhusela abantu bakokwethu.  
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.  
God seën Suid-Afrika. God bless South Africa.  
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.*

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**MATHEMATICS IN ISIXHOSA  
GRADE 3 – BOOK 2**

**TERMS 3 & 4**

**ISBN 978-1-4315-0149-6**

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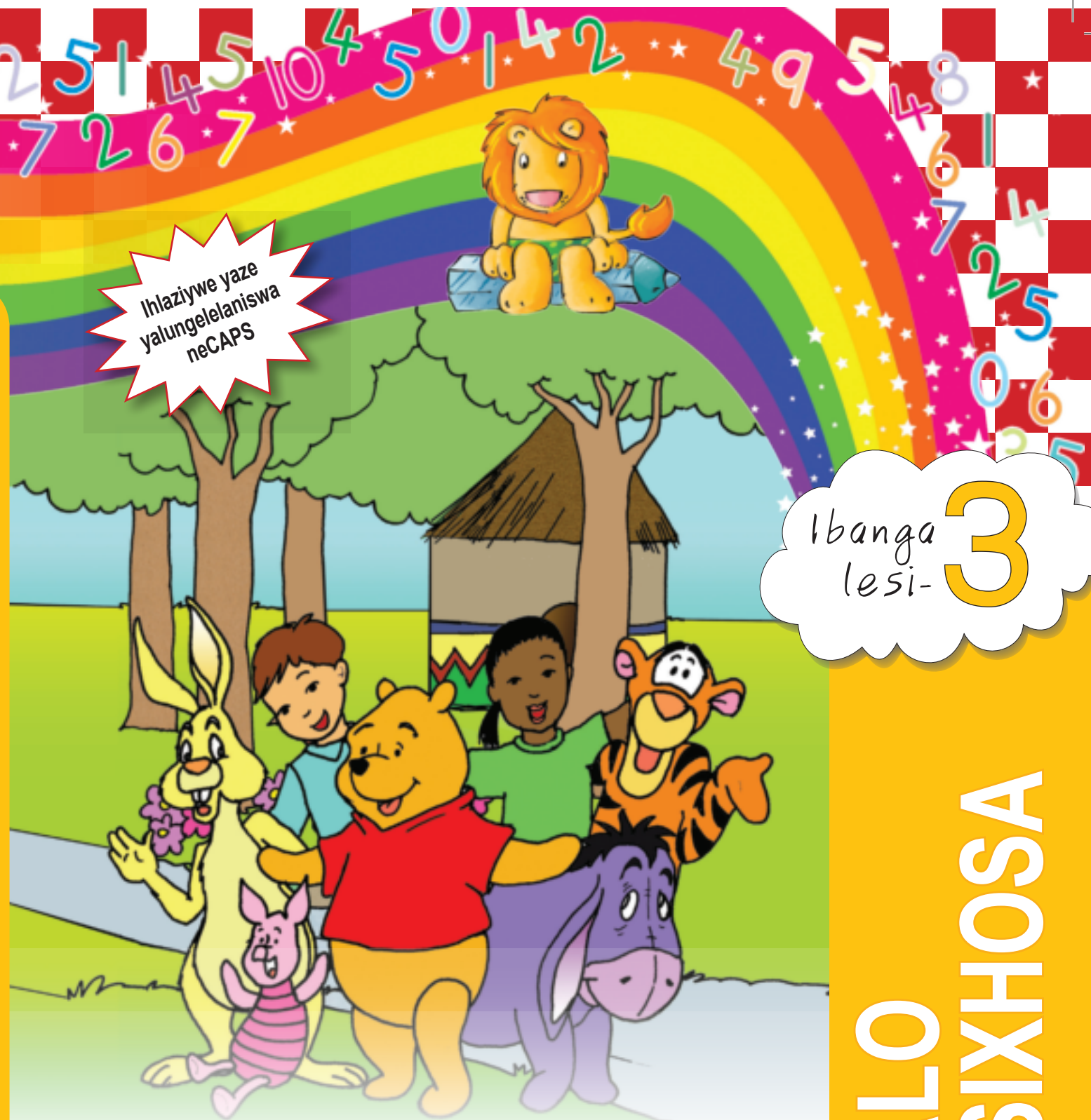
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Ibanga lesi-3

Igama:

Iklasi:



**basic education**

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

**IZIBALO  
NGESIXHOSA**

Incwadi yoku-2  
Ikota 3 & 4

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UNksz Angie Motshekga  
uMphathiswa weMfundo  
esisiSeko



UGqir Reginah Mhaule  
uSekela Mphathiswa  
weMfundo esisiSeko

Ezi ncwadi zilungiselelwe abantwana boMzantsi Afrika phantsi kwephiko loMphathiswa weMfundo esisiSeko uNksz Angie Motshekga kunye noSekela Mphathiswa weMfundo uGqir Reginah Mhaule.

Ezi ncwadi zokusebenzela, iRainbow Workbooks, lelinye lamalinge ongenelelo eSebe leMfundo esisiSeko ajolise ekuphuculeni umgangatho wabafundi beloMzantsi Afrika abakumabanga amathandathu okuqala. Njengomnye wemiba ephambili yoMkhomba-ndlela kaRhulumente, eli phulo libe nempumelelo ngenxa yenkxaso-mali evela kuVimba weSizwe. Oku kuye kwenza ukuba iSebe likwazi ukuvelisa ezi ncwadi, zifumaneke ngazo zonke iilwimi ezisemthethweni ngexabiso eliphantsi.

Sinethemba lokuba ootitshala baya kuzifumana ezi ncwadi zokusebenzela ziluncedo kakhulu kwimfundo yemihla ngemihla, nasekuqinisekiseni ukuba abafundi bayifikelela yonke ikharithulam. Ukuqinisekisa ukuba utitshala uyakhokelwa kuyo yonke imisetyenzana, sisebenzise izalathisi ezibonisa oko kufanele ukwenziwa ngumfundi.

Sinethemba lokwenene lokuba abantwana baya kukonwabela ukusebenza kwezi ncwadi ekukhuleni nasekufundeni kwabo, kwanokuba nawe titshala uya kwabelana nabo kolu yolo.

Sinqwenela ukuba nibe nempumelelo ekusebenziseni ezi ncwadi.

# Ibanga lesi-3



I M a t h e m a t i k a

Le ncwadi yeka-:

---



ISIXHOSA

Incwadi  
yesi

2

65

Umhla:

# Amanani ukusuka kuma-500 ukuya kuma-600

Ikota 3



Bala uze ubhale.

- a. Sebenzisa le tshathi ilandelayo ikuncede ubale ukusuka kuma-500 uye kuma-600. Wabize amanani njengokuba ubala.

500



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

b. Bhala amanani angekhoyo kwigradi engasentla.

c. Bhala amanani ali-10 alandela ama-500.

500; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

d. Bhala amanani asi-8 alandelayo ngokwepatheni yezi-2.

510; 512; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

e. Bhala onke amanani ngokwepatheni yezi-2 uqale kuma-548 uye kuma-570.

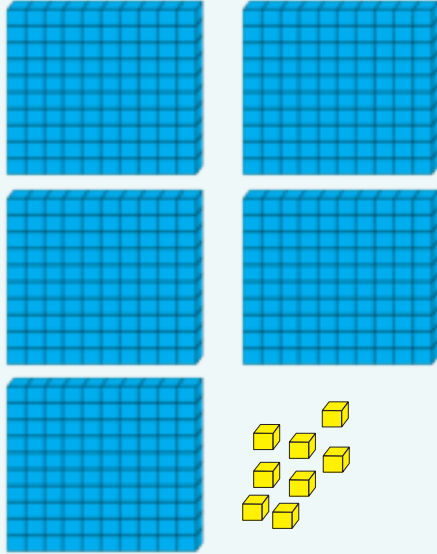
548; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 570

f. Bhala amanani alandelayo asi-8 ngokwepatheni yezi-5.

515; 520; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Zingaphi iibloko ozibalileyo?



Uzibale njani ezi bloko?



Gqibezela le migca-manani.

540			543				547		549	
							597	598	599	
					597	598	599			



Gqibezela le theyibhile.

Bhala uqale ngelona lincinci uye kwelona likhulu

Bhala uqale ngelona likhulu uye kwelona lincinci

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



Bhala inani ngamagama.

520	
-----	--

Teacher:

Sign:

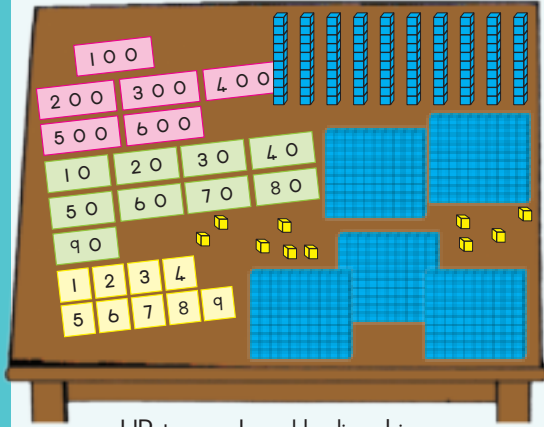
Date:

66

Umhla:

# Amanye amanani ukusuka kuma-500 ukuya kuma-600

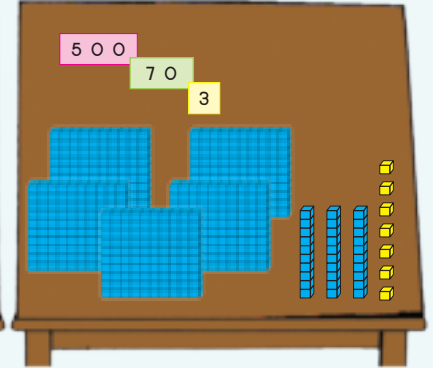
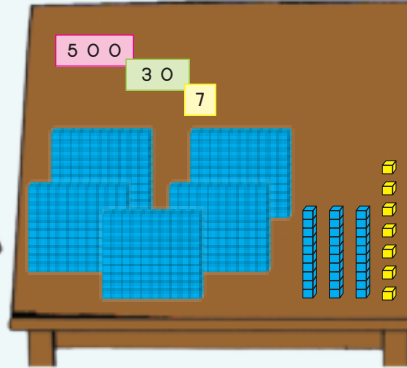
Ikota 3



UPeter unala makhadi exabiso lendawo kunye neebloko zamashumi.

Utitshala uyalela uPeter ukuba abonise ama-537 ngamakhadi neebloko zakhe.

UAakar ubonise oku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani ulandele ngempendulo.

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



Bhala isivakalisi samanani ulandele ngempendulo.

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



## Gqibezela lo mgca-manani

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

Bhala onke amanani angaphantsi kunama-55b. \_\_\_\_\_

Bhala onke amanani angaphezulu kunama-55b. \_\_\_\_\_



## Cazulula inani lakho.

- Yakha inani ngalinye ngamakhadi akho.
- Bhala ixabiso lenani ngalinye.

Kukho amanani ali-10.  
0 1 2 3 4 5 6 7 8 9  
Siyawadibanisa ukwenza amanani.

495	
508	
594	
549	
602	

Umzekelo: 517

5	0	0
	1	0
		7
5	1	7

517

500 + 10 + 7



## Bhala la manani ngamagama.

221	
486	
369	
419	
491	



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

67

# Amanani ukusuka kuma-600 ukuya kuma-700

Umhla:

Ikota 3



Bala uze ubhale.

- a. Sebenzisa le tshathi ilandelayo ikuncede ubale ukusuka kuma-600 ukuya kuma-700. Wabize amanani njengokuba ubala.

600



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

- b. Bhala amanani angekhoyo kwigradi engasentla.

- c. Bhala amanani ali-10 alandela ama-600.

600; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- d. Bhala amanani asi-8 alandelayo ngokwepatheni yezi-2.

622; 624; 626; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- e. Bhala onke amanani ngokwepatheni yezi-2 uqale kuma-611 uye kuma-633.

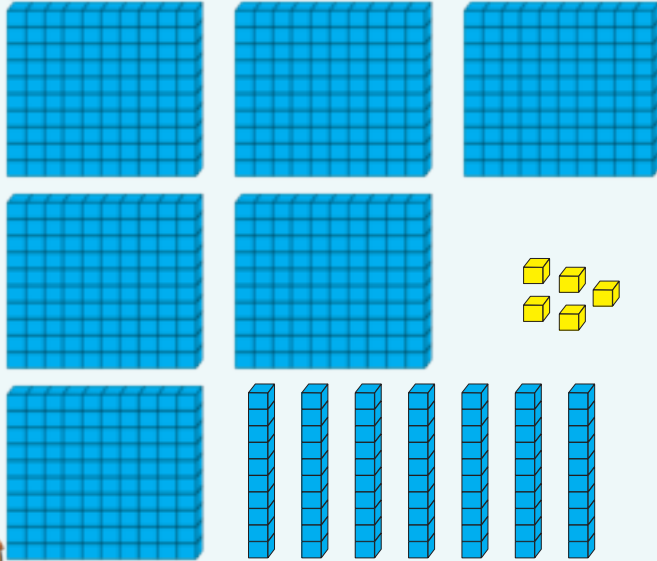
611; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 633

- f. Bhala amanani alandelayo asi-8 ngokwepatheni yezi-5.

645; 650; 655; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Zingaphi iibloko ozibalileyo?



Uzibale njani ezi bloko?



Gqibezela le migca-manani.

640			643				647		649	
							687	688	689	
					602	604	606			



Gqibezela le theyibhile.

Bhala uqale ngelona lincinci uye kwelona likhulu

Bhala uqale ngelona likhulu uye kwelona lincinci

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



Bhala inani ngamagama.

631	
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Teacher:

Sign:

Date:

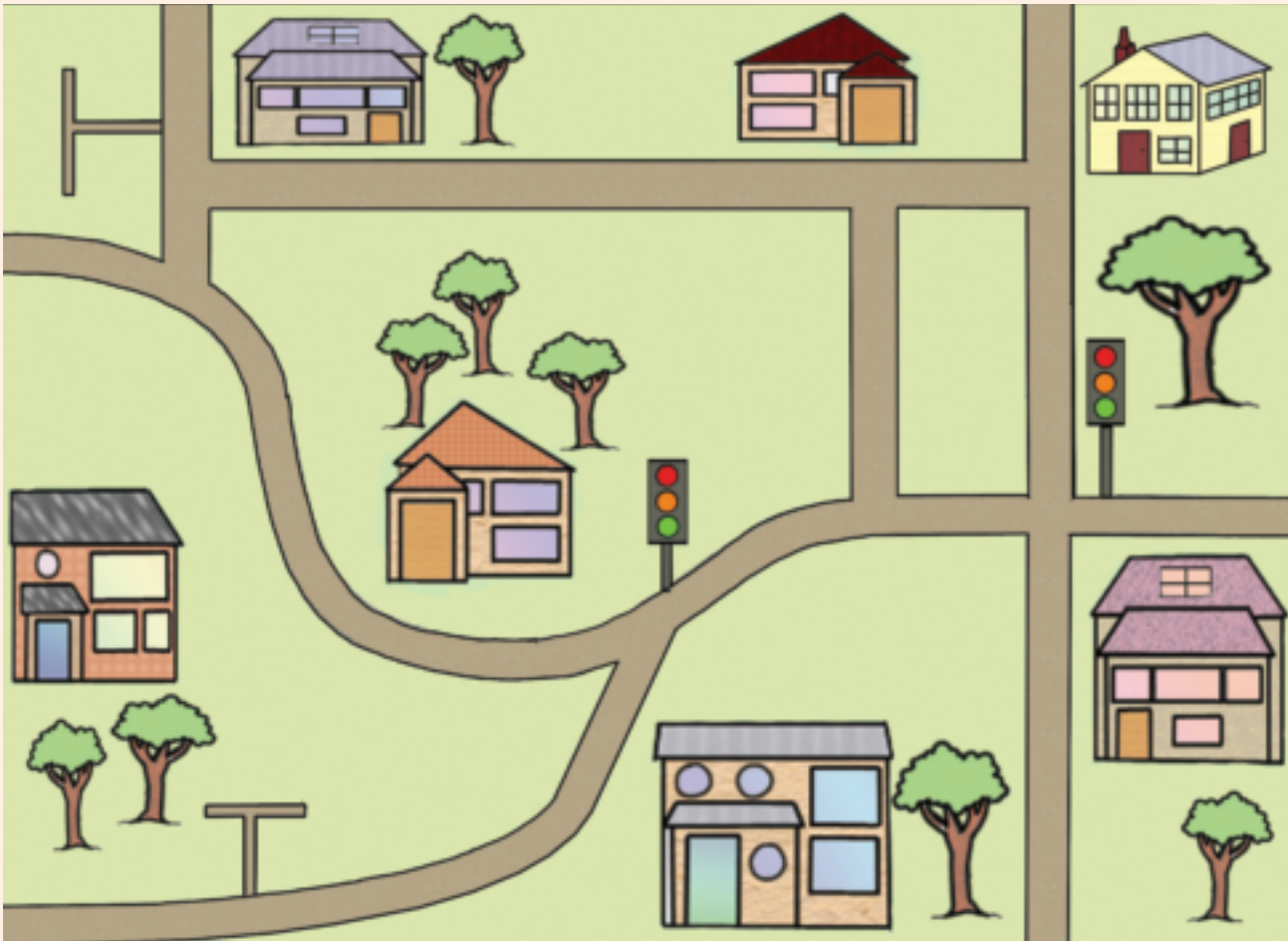


Umhla:

## Umsebenzi wemephu

Jonga umfanekiso.

- Yintoni le?
- Siyisebenzisa entweni?
- Singafumana ntoni emephini?



Zoba oku emephini:

Ithala leencwadi, isikolo, iklirikhi, isibhedlele, isikhululo samapolisa, iivenkile.  
Ungongeza nezinye izitalato.



Sebenzisa imephu ekwiphepha  
elingaphambili balathise ngayo abahlobo bakho ukusuka:

a. ekinikhi uye kwisikhululo samapolisa.


b. esikolweni uye ekinikhi.


c. esikolweni uye ezivenkileni.


d. ezivenkileni uye kwithala leencwadi.


e. kwithala leencwadi uye esikolweni.

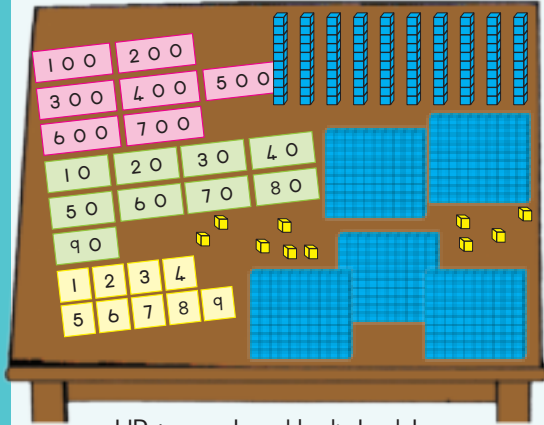

f. esibhedlele uye esikolweni.




Teacher:
Sign:
Date:

# Amanye amanani aqala kuma-600 ukuya kuma-700

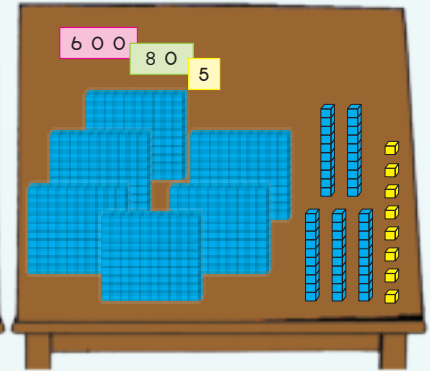
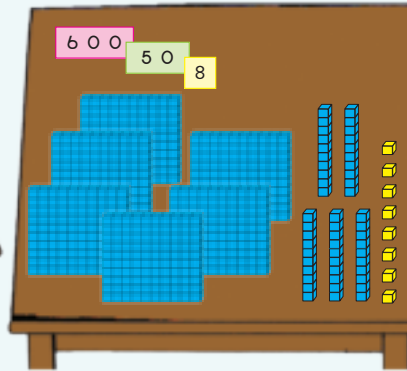
Ikota 3



UPeter unala makhadi alandelayo amaxabiso endawo kunye neebloko zamashumi.

Utitshala uyalela uPeter ukuba abonise ama-658 ngamakhadi neebloko zakhe.

UAarkar ubonise oku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani ulandele ngempendulo.

$600 + 30 + 7 = 637$		



Bhala isivakalisi samanani ulandele ngempendulo.

$600 + 90 + 8$ =	$600 + 70$ =	$600 + 50 + 8$ =
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...

## Gqibezela lo mgca-manani

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

Bhala onke amanani angaphantsi kunama-675. \_\_\_\_\_

Bhala onke amanani angaphezulu kunama-675. \_\_\_\_\_



Bhala  $<$ ,  $>$  okanye  $=$

a. 670 \_\_\_\_\_ 607                      b. 688 \_\_\_\_\_ 699

c.  $600 + 50 + 5$  \_\_\_\_\_ 655



Cazulula inani lakho.

- Yakha inani ngalinye ngamakhadi akho.
- Bhala ixabiso lenani ngalinye. Yenza oku: Cazulula inani lakho.

686	
690	
699	
673	
665	

Umzekelo: 632

6	0	0
3	0	
	2	
6	3	2

632     $600 + 30 + 2$



Bhala amanani ngamagama.

672	
693	
607	
697	
660	



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

70

Umhla:

# Amanani ukusuka kuma-650 ukuya kuma-750

Ikota 3



Bala uze ubhale.

- a. Sebenzisa le tshathi ilandelayo ikuncede ubale ukusuka kuma-650 ukuya kuma-750. Wabize amanani njengokuba ubala.

650



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

b. Bhala amanani angekhoyo kwigradi engasentla.

c. Bhala amanani ali-10 alandela ama-650.

650; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

d. Bhala amanani asi-8 alandelayo kwipatheni yezi-2.

705; 707; 709; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

e. Bhala onke amanani akwipatheni yezi-3 ukusuka kuma-719 uye kuma-749.

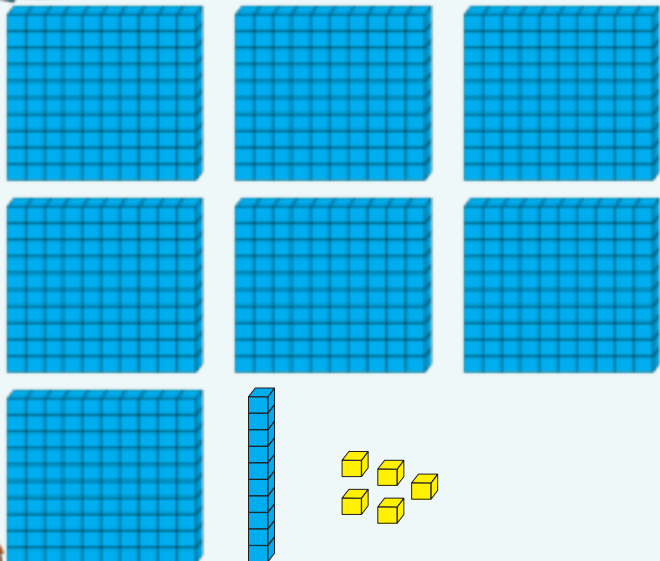
719; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 749

f. Bhala amanani asi-8 alandelayo kwipatheni yezi-5.

705; 710; 715; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Zingaphi iibloko ozibalileyo?



Uzibale njani ezi bloko?



Gqibezela le migca-manani.

700			703				707		709	
							746	747	748	
					706	711	716			



Gqibezela le theyibhile.

Qala ngelona lincinci uye kwelona likhulu

Qala ngelona likhulu uye kwelona lincinci

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



Bhala inani ngamagama.

706	
-----	--



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Amanani aqala kuma-700 ukuya kuma-750

Ikota 3

UPeter unala makhadi alandelayo amaxabiso endawo kunye neebloko zamashumi.

Utitshala uyalela uPeter ukuba abonise ama-738 ngamakhadi neebloko zakhe.

UJabu ubonise oku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani ulandele ngempendulo.

$700 + 40 + 3 = 743$



Bhala isivakalisi samanani ulandele ngempendulo.

$700 + 40 + 5$

$=$



...

## Gqibezela lo mgca-manani.

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

Bhala onke amanani angaphantsi kunama-704. \_\_\_\_\_

Bhala onke amanani angaphezulu kunama-704. \_\_\_\_\_



Bhala  $<$ ,  $>$  okanye  $=$

a.  $750$  \_\_\_\_\_  $749$

b.  $732$  \_\_\_\_\_  $723$

c.  $700 + 40 + 9$  \_\_\_\_\_  $749$



Cazulula inani lakho.

a. Yakha inani ngalinye ngamakhadi akho.

b. Bhala ixabiso lenani ngalinye. Yenza oku: Cazulula inani lakho.

750	
728	
703	
730	
749	

Umzekelo: 747

7	0	0
4	0	
7		
7	4	7

747     $700 + 40 + 7$



Bhala amanani ngamagama.

714	
750	
742	
738	
704	



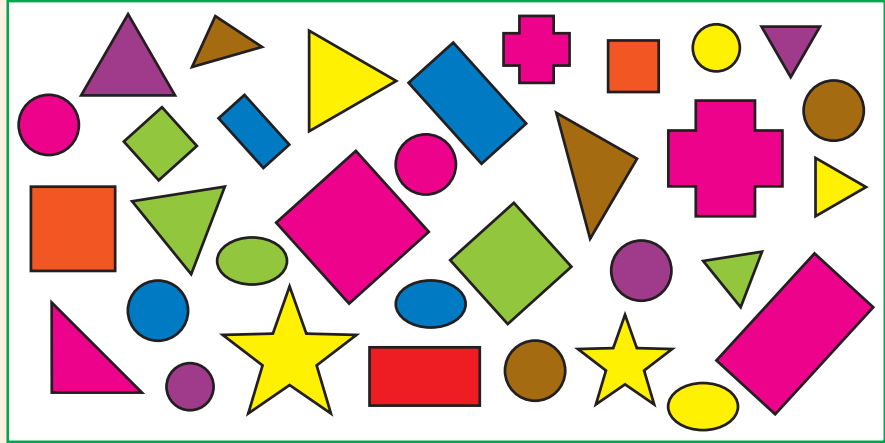
Teacher: \_\_\_\_\_  
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Date: \_\_\_\_\_



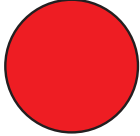
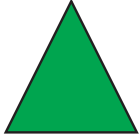


# Iimilo ezinemilinganiselo engu-2-D

Ikota 3

Xela ukuba le milo inecala elithe tye okanye elingqukuva



Xela ukuba ingaba le milo inecala elithe tye okanye linesiphelo esingqukuva.



Zingaphi iimilo onokuzizoba ezinamacala athe tye.

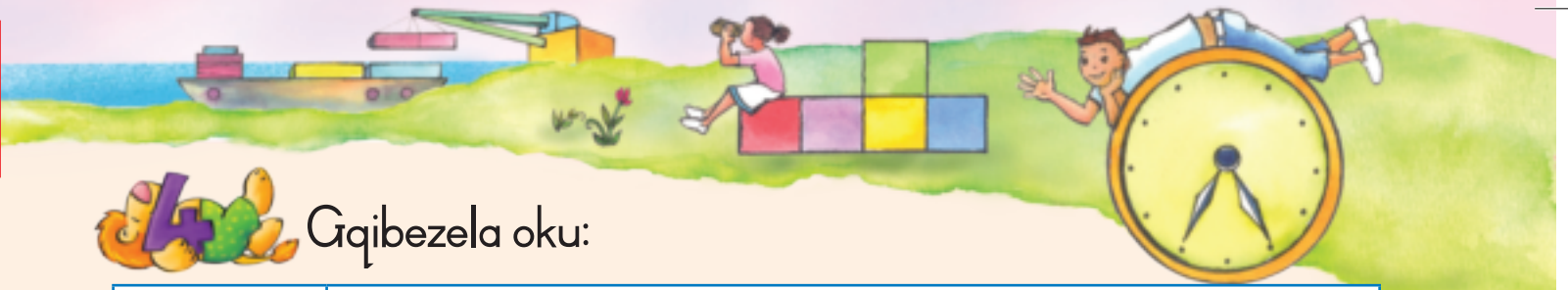


Funa imifanekiso

Funa iimilo ezineziphelo ezithe tye uze uzincamathelise apha.

Funa iimilo ezineziphelo ezingqukuva uze uzincamathelise apha.

--	--







Gqibezela oku:

Zoba	Zoba imilo kwiindawo ezahlukeneyo
Unxantathu	
Uxande	
Isikwere	



Gqibezela itheyibhile

	Xela imilo	Zoba imilo engu-s encinci.	Zoba imilo engu-s enkulu.
			
			
			
			



Funa izikwere, oonxantathu, iingxande kunye nezangqa ezinobukhulu obahlukeneyo kwiimagazini okanye kumaphephandaba.

Zincamathelise apha.



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Ukudibanisa nokuthabatha ukuya kuma-800

Ikota 3



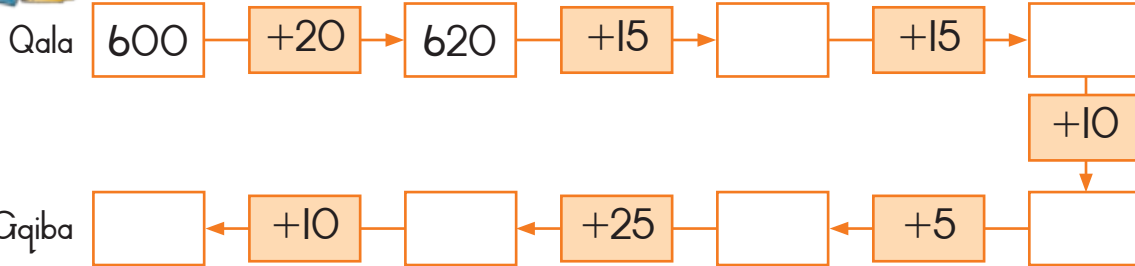
Ndingathenga ntoni ngama-R500?

Yeyiphi kwezi zinto endinokuyithenga ngama-R500?



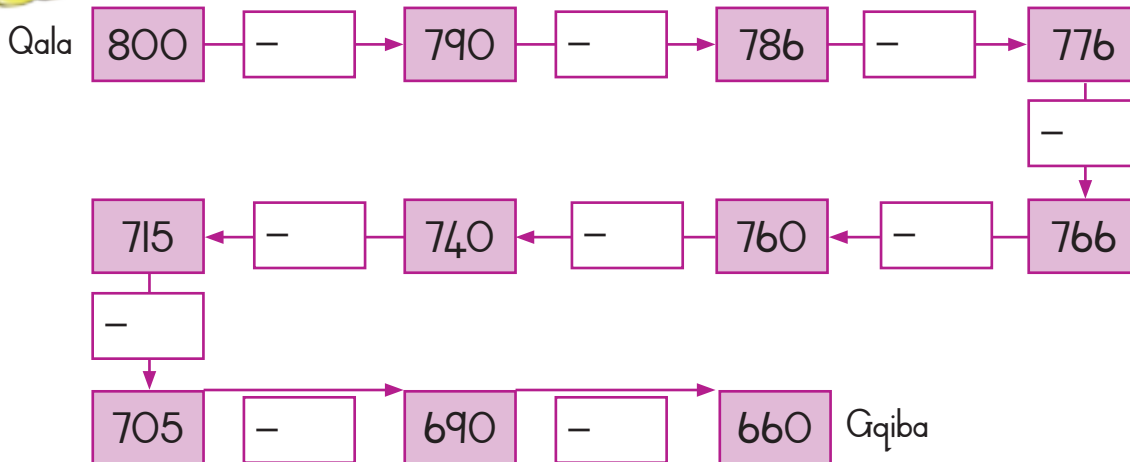
Dibanisa usuke kuma-600.

Bhala amanani angekhoyo.



Bala ubuye umva usuke kuma-800.

Bhala "utshintsho" kwixesha ngalinye.





Bala:

$$725 + 53 = \square$$

$$664 + 87 = \square$$

$$564 + 132 = \square$$

$$75 + 717 = \square$$



Bala:

uZama uqokelele amapetyu angama-525.

Ukuba uSipho umnike angama-205 ngaphezulu, uZama uya kuba namapetyu alingana nakaSipho.

- Baza kuba namapetyu amangaphi bebobabini?
- USipho ebenamapetyu amangaphi?

a.

b.



# Okunye ukudibanisa nokuthabatha ukuya kuma-800

## Iintsapho zamanani

Singenza iintsapho zamanani. Usapho ngalunye lunamanani amakhulu nenani elinye elincinci. Thatha la manani njengemizekelo, 4, 8 ne-12.

$$4 + 8 = 12$$

$$8 + 4 = 12$$

$$12 - 8 = 4$$

$$12 - 4 = 8$$



## Fumana iintsapho.

Bhala izivakalisi zamanani ezi-4 kwiqela ngalinye lamanani.

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



## Khangela unxulumano.

Kulo msetyenzana siza kuchaza ipatheni.

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



## Uhambo olude.

UMnu. Mkhize undwendwela umama wakhe ohlala kumgama ongama-352 km. Umisa imoto yakhe emva kwe-166 km. Kusafuneka eqhube umgama ongakanani?

UKumi wenza oku:	UPhumla ubhala ngolu hlobo:
$352 - 166$ $+4 \quad +30 \quad +100 \quad +52$ $166 \quad 170 \quad 200 \quad 300 \quad 352$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 300 + 50 + 2$ $- 100 + 60 + 6$ $= 300 + 40 + 12$ $- 100 + 60 + 6$ $= 200 + 140 + 12$ $- 100 + 60 + 6$ $= 100 + 80 + 6$ $= 186 \text{ km}$
UMbali wenza oku:	UPeter wenza oku:
$352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
UVeronica wenza oku:	ULebo ucinga ngeziphindwa kabini nangeziqingatha:
$352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	<p>Isiqingatha sama-352 li-176. Kodwa kufuneka ndithathe i-166 kuphela, ngoko ke ndongeza emva koko i-10.</p> $176 + 10 = 186 \text{ km}$
Thetha ngezi ndlela zahlukileyo. Yeyiphi oyikhethayo? Ngoba kutheni?	



## Sombulula la maqhina kwiphepha elilodwa:

Sebenzisa nokuba yeyiphi kwezi ndlela zingentla.

$$746 - 328$$

$$800 - 499$$



# Ukudibanisa nokuthabatha ukuya kuma-800 kwakhona

Ikota 3



Zenzele ezakho iintsapho zamanani.

Umsetyenzana wokuzilungiselela.

5 12 17



Umzekelo: 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

Kwinani ngalinye elingezantsi, khetha amanye ama-2 wenze usapho.

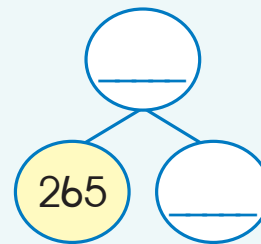
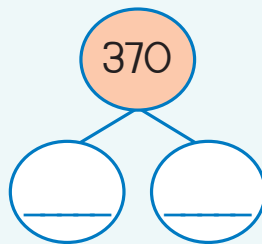
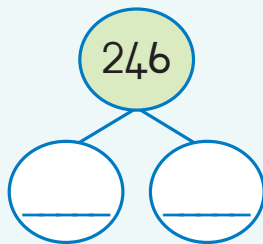
Bhala izivakalisi zamanani zibe-4 (ezibini + nezibini -) kusapho lwamanani ngalunye.

Khangela!  
Thelekisa! Lungisa!

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



Khangela iziphindwa kabini neziqingatha ezishiyiweyo.





## Ukwahlula kubini ukuze uthabathe.

Ukuba uyazazi iziqingatha zakho neziphindwa kabini, ungakwazi ukuzisebenzisa ekudibaniseni nasekuthabatheni.

Imizekelo:

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

Zama oku:

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



## Qaphela ezi ndlela.

Abantwana abangama-256 bafumana isipho seKrisimesi umntwana ngamnye. Isiqingatha sifumana oonodoli ze esinye isiqingatha sifumane iimoto. Bangaphi abafumene iimoto?

Indlela yoku-1	Indlela yesi-2
$256 = 200 + 50 + 6$ → Isiqingatha sama-200 li-100 → Isiqingatha sama-50 ngama-25 → Isiqingatha sesi-6 sisi-3 $100 + 25 + 3 = 128$ → Isiqingatha sama-256- li-128 Ngoko ke i-128 lifumana iimoto.	→ Isiqingatha sama-250 = 125 → Isiqingatha sesi-6 sisi-3 $125 + 3 = 128$ → Isiqingatha sama-256 li-128, ngoko li-128 elifumana iimoto.



## Sombulula la maqhina kwiphepha elilodwa:

Sebenzisa nokuba yeyiphi kwezi ndlela zingasentla.

Umntwana ngamnye kwabangama-728 ufumana into yokudlala kwivenkile yokutyela. Isiqingatha sabo sifumana iibloko zokwakha. Bangaphi abafumana iibloko zokwakha?

Umntwana ngamnye kwabangama-642 ufumana imafini. Isiqingatha sabo sifumana imafini ezinetshokoletshi. Bangaphi abantwana abafumana imafini ezinetshokoletshi?



# Lipatheni zamanani: amashumi ukuya kuma-800

Ikota 3



## Ungathini ngamanani akwiibloko ezinombala?

Bala amashumi ukusuka kuma-710 ukuya kuma-800.

Leliphi inani elilandela ama-720 xa ubala ngamashumi?

Bala ubuye umva ngamashumi ukusuka kuma-800 uye kuma-710.

Leliphi inani eliphambi kwama-760 xa ubala ubuya umva?

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



## Gqibezela izivakalisi zamanani.

720; 730; 740; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

800; 790; 780; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



## Dibanisa okanye uthabathe ishumi.

1. Dibanisa ishumi kwinani olinikiweyo. Sikwenzele eyokuqala.

$$a. 767 + 10 = 777$$

b. 762 \_\_\_\_\_

c. 783 \_\_\_\_\_

d. 756 \_\_\_\_\_

e. 714 \_\_\_\_\_

f. 799 \_\_\_\_\_



a.  $767 - 10 = 757$

2. Thabatha ishumi kwinani olinikiweyo. Sikwenzele eyokuqala.

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

3. Kwenzeka ntoni xa uthabatha okanye udibanisa ishumi kula manani angentla?

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Jonga izangqa ezibomvu kwibhodi yamanani.

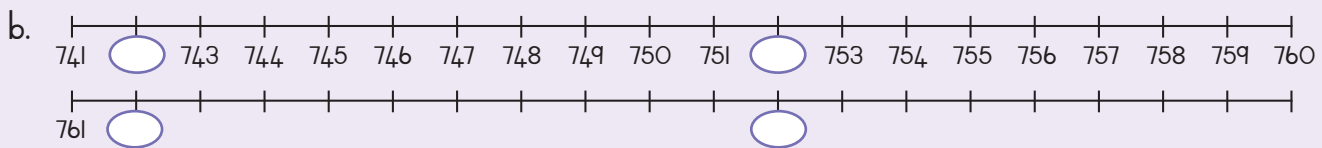
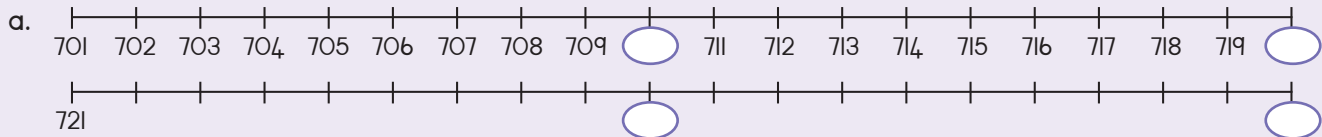
a. Uqaphela ntoni ngezi zangqa? \_\_\_\_\_

b. Yandisa ezi zivakalisi zamanani zilandelayo:

704; 714; 724; _____ ; _____ ; _____	782; 772; 762; _____ ; _____ ; _____
715; 725; 735; _____ ; _____ ; _____	737; 747; 757; _____ ; _____ ; _____
799; 789; 779; _____ ; _____ ; _____	



Bhala inani elichanekileyo kwisangqa esikule migca-manani.



Ndinenani elinamanani amathathu.

Inani lokuqala sisi-7, elilandelayo likhulu ngononye kunesixhenxe, ze elokuqibela libenganeno ngononye kunesixhenxe.

Ukuba ubala uye phambili ngamashumi ukusuka kweli nani, iya kuba ngubani eli nani?

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Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

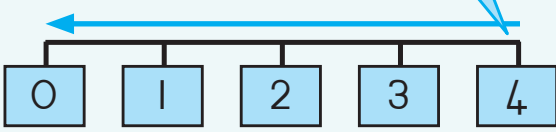
Umhla: \_\_\_\_\_

77

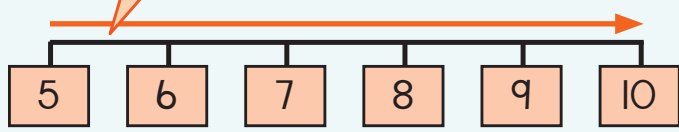
# Ukuwezela kumashumi

Ikota 3

Onke amanani ukusuka kwisi-4 ukubuya umva aya kuwezelwa ku-0.

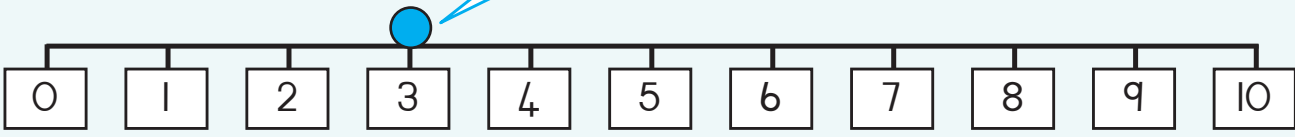


Onke amanani ukusuka kwisi-5 ukubheka phambili aya kuwezelwa kwi-10

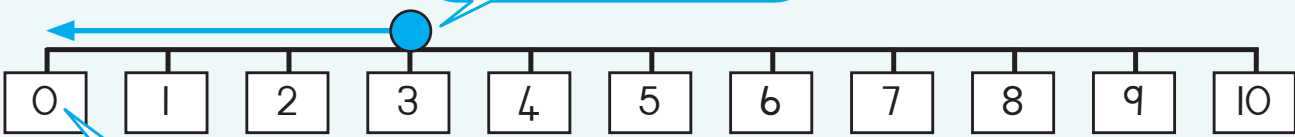


Masithethe.

Jonga inani-3 kumgca-manani.



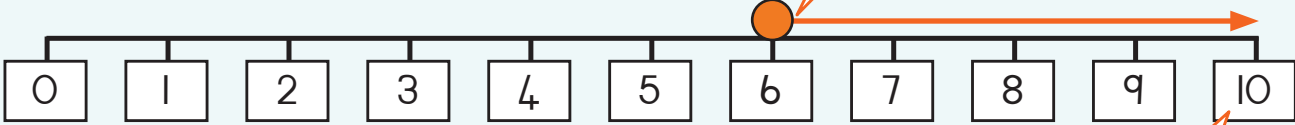
Liya kuba leliphi inani xa liweziwe?



Isi-3 esiwelwe kwishumi elikufuphi siya kuba ngu-0.

Xa isi-6 siwelwe kwi-10 elikufuphi siya kuba leliphi inani?

Yenza njalo nakwezi:



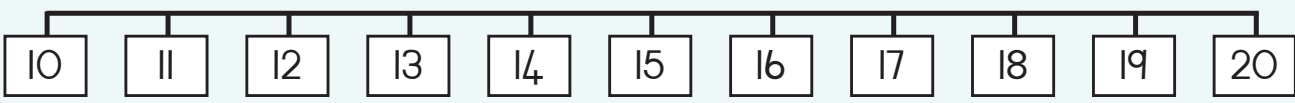
Impendulo li-10..



## Wezela kwi-10 elikufuphi.

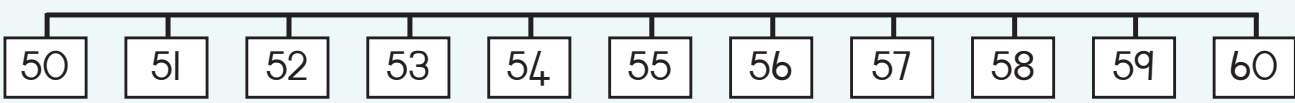
i-12 eliweziweyo likunika \_\_\_\_\_

i-19 eliweziweyo likunika \_\_\_\_\_



Ama-53 aweziweyo akunika \_\_\_\_\_

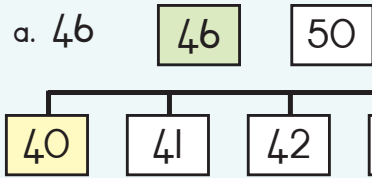
Ama-58 aweziweyo akunika \_\_\_\_\_





Sebenzisa imigca-manani ikuncede usondeze kwelona IO lisondeleyo.

a. 46



Liphakathi kwawaphi amashumi amabini eli nani: 46?

b. 63

Liphakathi kwawaphi amashumi amabini eli nani: 63?

c. 37

Liphakathi kwawaphi amashumi amabini eli nani: 37?

d. 99

Liphakathi kwawaphi amashumi amabini eli nani: 99?



UTom unama-R4,8,00.

Unepakethe yamakhasi exabisa ii-R5,00.

Zingaphi iipakethe zamakhasi anokuzithenga ngama-R4,8,00? \_\_\_\_\_



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

## Uphinda-phindo: izihlanu ukuya kuma-75

Ikota 3

Yintoni efumaneka ngezihlanu?

Iminwe ekwizandla esinye.



Gqibezela le theyibhile.

Mingaphi iminwe:

kwizandla ezi-2?

kwizandla ezi-3?

kwizandla ezi-4?

kwizandla ezi-5?

kwizandla ezi-6?

kwizandla ezisi-7?

kwizandla ezisi-8?

kwizandla ezili-9?

kwizandla ezili-10?

Tshatisa isiphumo ngasinye nombuzo ongasekhohlo:

$9 \times 5 = 45$

$7 \times 5 = 35$

$2 \times 5 = 10$

$4 \times 5 = 20$

$3 \times 5 = 15$

$5 \times 5 = 25$

$10 \times 5 = 50$

$6 \times 5 = 30$

$8 \times 5 = 40$

Amaqela	Phinda-phinda	Ukwabelana	Yahlula
Amaqela ama-2 ezi 5	$2 \times 5 = 10$	Yaba i-10 phakathi kwaba-5	$10 \div 5 = 2$
Amaqela asi-7 ezi-5		Yaba ama-35 phakathi kwaba-5	
Amaqela ama-2 ezi-5		Yaba ama-60 phakathi kwaba-5	
Amaqela ama-5 ezi-5		Yaba ama-75 phakathi kwaba-5	

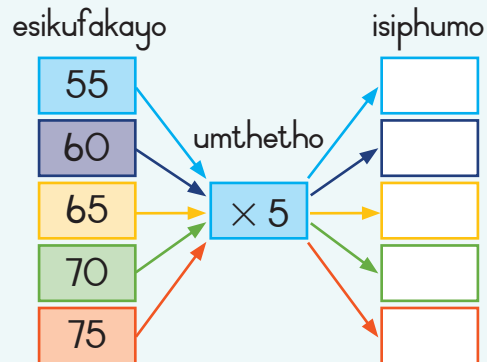
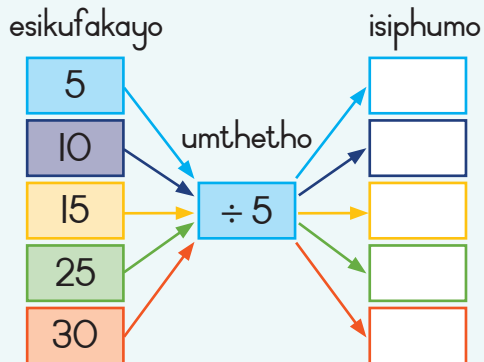
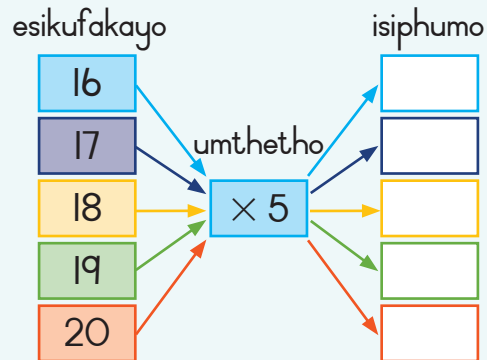
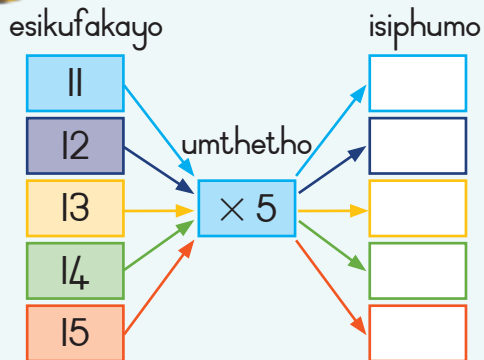


Gqibezela le theyibhile.

Ukwabelana	Ukwabelana
Yaba ezili-12 phakathi kwaba- 5	$12 \div 5 = 2$ intsalela 2
Yaba ezingama-64 phakathi kwaba-5	
Yaba ezingama-39 phakathi kwaba-5	
Yaba ezingama-73 phakathi kwaba-5	



Gqibezela izazobe zesigcawu.



Gqibezela ezi theyibhile zingezantsi:

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

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

Uzifumene njani iimpendulo ekufuneka zibhalwe kwiibloko ezizuba?



Bala oku:

Umama uthenge iipakethe zeelekese ezixabisa ama-R70. Uhlawule ii-R5 ngepakethe enye. Zingaphi iipakethe zeelekese azithengileyo?



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

## Iipatheni zamanani: izihlanu ukuya kuma-800

Ikota 3



Ungathini ngamanani akwibloko eorenji?

Bala izihlanu ukusuka kuma-705 ukuya kuma-800.

Leliphi inani eliza emva kwama-720 xa ubala ngezihlanu?

Bala ngezihlanu ubuye umva ukusuka kuma-800 uye kuma-705.

Leliphi inani eliza phambi kwama-730 xa ubala ubuya umva?

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



Gqibezela ezi zivakalisi zamanani.

725; 730; 735; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

800; 795; 790; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Dibanisa okanye thabatha isihlanu.

a.  $760 + 5 = 765$

1. Dibanisa isihlanu kwinani olinikiweyo. Sikwenzele eyokuqala.

b. 725 \_\_\_\_\_

c. 780 \_\_\_\_\_

d. 755 \_\_\_\_\_

e. 715 \_\_\_\_\_

f. 790 \_\_\_\_\_



a.  $765 - 5 = 760$

2. Thabatha isihlanu kwinani olinikiweyo. Sikwenzelele eyokuqala.

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

3. Kwenzeka ntoni xa udibanisa okanye uthabatha isihlanu kumanani angasentla?

\_\_\_\_\_



Jonga izangqa ezibomvu kwibhodi yamanani.

a. Uqaphela ntoni ngezi zangqa? \_\_\_\_\_

b. Yandisa la manani alandelelanayo:

703; 708; 723; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

722; 727; 732; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

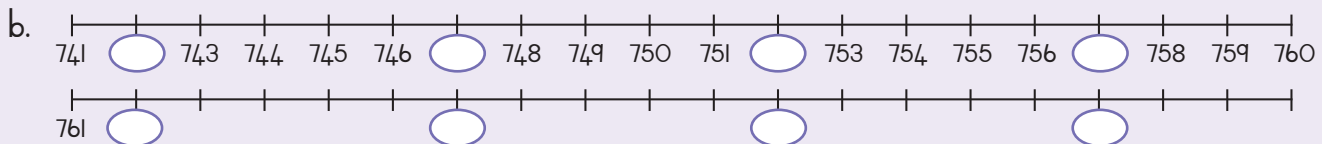
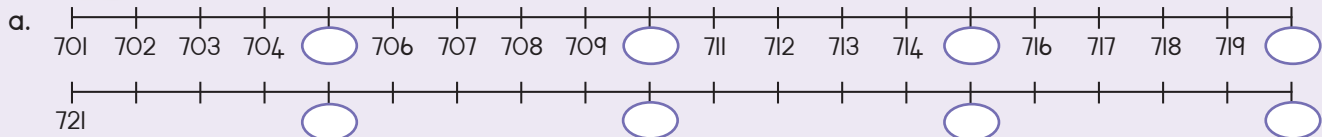
753; 758; 763; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

714; 719; 724; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

701; 706; 711; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Bhala inani elichanekileyo kwisangqa ngasinye esikule migca-manani.



Ndinenani elinamanani amathathu.

Inani lokuqala sisi-7, elilandelayo lingaphezulu ngononye kwisixhenxe, ze inani lokugqibela libe ngaphantsi ngesihlanu kunesixhenxe.

Ukuba uya phambili ngezihlanu ukusuka kweli nani, iya kuba leliphi elo nani?

\_\_\_\_\_



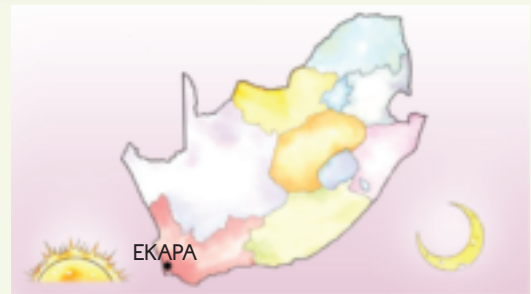
Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

## Imini nobusuku



## EKapa

Le theyibhile ingezantsi ibonisa ixesha eliphuma nelitshona ngalo ilanga ngamaxesha ahlukeneyo enyakeni eKapa. Funda amaxesha akwtheyibhile uze ugqibezele itheyibhile phambi kokuba uphendule imibuzo engezantsi.



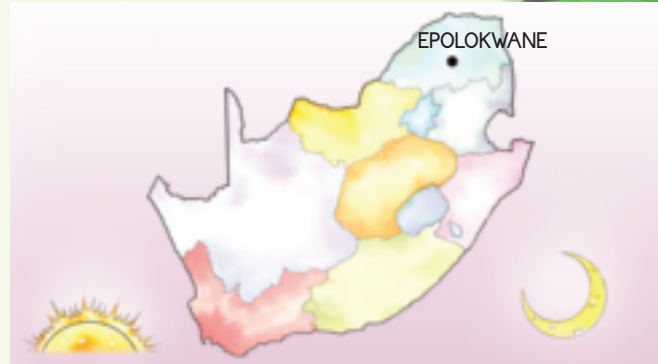
EKapa	Ukuphuma kwelanga	Ukutshona kwelanga	Ubude bemini	Ubude bobusuku
23 kweyoKwindla	6:53 kusasa	6:53 ngokuhlwa		
21 kweyeSilimela	7:51 kusasa	5:44 ngokuhlwa		
19 kweyoMsintsi	6:41 kusasa	6:41 ngokuhlwa		
22 kweyoMnga	5:32 kusasa	7:58 ngokuhlwa		

- Kukweziphi iinyanga apho ubude bemini nobobusuku bulinganayo? \_\_\_\_\_
- Yeyiphi inyanga enezona mini zinde? \_\_\_\_\_
- Yeyiphi inyanga enezona mini zimfutshane? \_\_\_\_\_
- Fumana umahluko ngokweeyure nemizuzu phakathi kweyona mini inde neyona imfutshane.  
\_\_\_\_\_
- Funa ubude bosuku nobobusuku kumhla ngamnye kule theyibhile ingentla. \_\_\_\_\_



## EPolokwane

Le theyibhile ibonisa ixesha lokuphuma nelokutshona kwelanga kumaxesha ahlukeneyo onyaka ePolokwane. Funda amaxesha akwitheybhile uze ugqibezele itheyibhile phambi kokuphendula imibuzo engezantsi.



EPolokwane	Ukuphuma kwelanga	Ukutshona kwelanga	Ubude bemini	Ubude bobusuku
25 kweyoKwindla	6:08 kusasa	6:08 ngokuhlwa		
21 kweyeSilimela	6:44 kusasa	5:24 ngokuhlwa		
17 kweyoMsintsi	5:57 kusasa	5:57 ngokuhlwa		
22 kweyoMnga	5:13 kusasa	6:50 ngokuhlwa		

- Kukweziphi iinyanga apho ubude bemini nobobusuku bulinganayo? \_\_\_\_\_
- Kukweyiphi inyanga kwezi apho ubude bemini bulinganayo eKapa nasePolokwane? \_\_\_\_\_
- Kukweziphi iinyanga apho zahlukileyo? \_\_\_\_\_
- Bala umahluko ngokweeyure nemizuzu phakathi kweyona mini inde neyona imfutshane. \_\_\_\_\_
- Funa **ubude bosuku** nobobusuku kumhla ngamnye kule theyibhile ingentla. \_\_\_\_\_



Cela umntu akuncede ufumane amaxesha okuphuma nawokutshona kwelanga kwindawo ohlala kuyo. Wabhale phantsi kwiveki enye. Ingaba iimini ziba nde okanye ziba mfutshane?

Teacher: \_\_\_\_\_  
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 Date: \_\_\_\_\_

# Ukuphinda-phinda: ngezibini ukuya kuma-75

Ikota 3

Yintoni efumaneka  
ngezibini?  
Isibini sezihlangu.



Zingaphi izihlangu

kwizibini esi-1 sezihlangu?

kwizibini ezi-2 zezihlangu?

kwizibini ezi-3 zezihlangu?

kwizibini ezi-4 zezihlangu?

kwizibini ezi-5 zezihlangu?

kwizibini ezi-6 zezihlangu?

kwizibini ezi-7 zezihlangu?

kwizibini ezi-8 zezihlangu?

kwizibini ezi-9 zezihlangu?

kwizibini ezi-10 zezihlangu?

Tshatisa isibalo nombuzo  
ongasekhohlo:

$$1 \times 2 = 2$$

$$9 \times 2 = 18$$

$$7 \times 2 = 14$$

$$2 \times 2 = 4$$

$$4 \times 2 = 8$$

$$3 \times 2 = 6$$

$$5 \times 2 = 10$$

$$10 \times 2 = 20$$

$$6 \times 2 = 12$$

$$8 \times 2 = 16$$



Gqibezela itheyibhile.

Ukubeka ngokwamaqela	Phinda-phinda	Ukwaba	Yahlula
amaqela ali-10 ezi-2	$10 \times 2 = 20$	Yaba ama-20 phakathi kwesi-2	$20 \div 2 = 10$
amaqela ali-15 ezi-2		Yaba ama-30 phakathi kwesi-2	
amaqela angama-20 ezi-2		Yaba ama-40 phakathi kwesi-2	
amaqela angama-35 ezi-2		Yaba ama-70 phakathi kwesi-2	



Gqibezela itheyibhile.

Ukwaba	Yahlula
Yaba ama-21 phakathi kwesi-2	$21 \div 2 = 10$ kusala u-1
Yaba ama-33 phakathi kwesi-2	
Yaba ama-67 phakathi kwesi-2	
Yaba ama-75 phakathi kwesi-2	



### Gqibezela izazobe zesigcawu.

esikufakayo                      isiphumo

11	umthetho	$\times 2$	
12			
15			
17			
20			

esikufakayo                      isiphumo

22	umthetho	$\times 2$	
26			
31			
30			
35			

esikufakayo                      isiphumo

20	umthetho	$\div 2$	
26			
32			
38			
44			

esikufakayo                      isiphumo

50	umthetho	$\times 2$	
60			
68			
72			
74			



### Gqibezela iitheyibhile ezingezantsi:

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

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



### Bala okulandelayo:

Ndithenge amabhadi angama-36 nge-R2.  
 Ndibhatele ngama-R50, ngama-R20 nange-R5 elukhozo.  
 Ibiyimalini itshintshi yam?



Teacher: \_\_\_\_\_  
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 Date: \_\_\_\_\_

# Iipatheni zamanani: izibini ukuya kutsho kuma-800

Ikota 3



## Ungathini ngamanani akwiibloko ezinombala o-orenji?

Bala ngezibini ukususela kuma-700 ukuya kuma-800. Ngubani inani elilandela ama-700 xa ubala ngezibini?

Bala ubuye umva ngezihlanu ukususela kuma-800 ukuya kuma-710. Ngubani oza phambi kwama-750 xa ubala ngokubuya umva?

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



## Gqibezela izibalo zolandelelwano lwamanani.

720; 722; 724; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_      800; 798; 796; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



## Dibanisa okanye thabatha zibe mbini.

1. Dibanisa zibe mbini kwinani olinikiweyo.  
Sikwenzele isibalo sokuqala.

a.  $764 + 2 = 766$

b.  $762$  \_\_\_\_\_      c.  $783$  \_\_\_\_\_      d.  $756$  \_\_\_\_\_      e.  $714$  \_\_\_\_\_      f.  $799$  \_\_\_\_\_



a.  $764 - 2 = 762$

2. Thabatha ezimbini kwinani olinikiweyo. Sikwenzele isibalo sokuqala.

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

3. Kwenzeka ntoni xa udibanisa okanye uthabatha ezimbini kumanani angasentla?

\_\_\_\_\_



Jonga izangqa ezizuba kwibhodi yamanani.

a. Uqaphele ntoni kwezi zangqa? \_\_\_\_\_

b. Yandisa izibalo zolandelelwano lwamanani ezilandelayo:

701; 703; 705; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

725; 727; 729; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

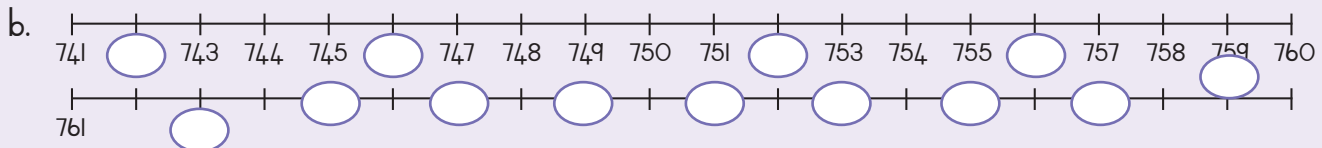
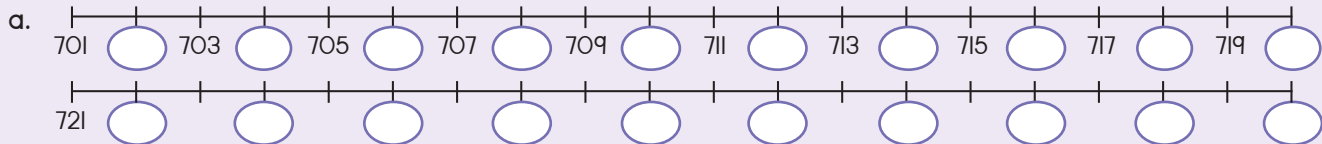
799; 797; 795; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

783; 785; 787; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

779; 781; 783; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Faka inani elichanekileyo kwisangqa ngasinye kule migca-manani.



Ndinenani elinamanani ama-3.

Inani lokuqala sisi-7, inani elilandelayo likhulu ngesibini kunesixhenxe, lize inani lokugqibela libe lincinane ngesine kunesixhenxe. Ukuba ubala usiya phambili ngezibini ukususela kweli nani, liya kuba ngubani eli nani?

\_\_\_\_\_



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 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

# Ukuphinda-phinda: ngezi-2 nangezi-5 uye kuma-75

Ikota 3



Ungakuphendula msinyane kangakanani oku kulandelayo?

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



Jonga ukuba wenze ntoni umhlobo wam.

$$4 \times 2 = 8$$

Xoxa ngako.

Umhlobo wam ubonise u- $4 \times 2$  ngale ndlela ilandelayo:


Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Imiboniso	Iinyaniso
2, 4, 6, 8		$2 + 2 + 2 + 2$	$\begin{array}{c} \times \times \\ \times \times \\ \times \times \\ \times \times \end{array}$	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

Ngoku yenza njalo nawe ngezi  $4 \times 5 = 20$ .

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Imiboniso	Iinyaniso



Phinda-phinda oku kulandelayo:

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



Bala okulandelayo:

Ndithenge iilekese ezili-14, ezixabisa ii-R3 inye.  
 Umhlobo wam uthenge iilekese ezili-12, ngee-R5 inye.  
 Sihlawule malini idibene ukuthenga ezi lekese?



# Ukuphinda-phinda: izithathu ukuya kuma-75

Ikota 3

Yintoni efumaneka  
ngezithathu?  
Amavili eetrayisikili.



## Gqibezela itheyibhile

Ukubekwa ngamaqela	Phinda-phinda	Ukwaba	Yahlula
Amaqela ali-11 ezi-3	$11 \times 3 = 33$	Yaba ama-33 phakathi kwesi-3	$33 \div 3 = 11$
Amaqela ali-15 ezi-3		Yaba ama-45 phakathi kwesi-3	
Amaqela angama-25 ezi-3		Yaba ama-60 phakathi kwesi-3	
Amaqela ali-12 ezi-3		Yaba ama-36 phakathi kwesi-3	



## Gqibezela itheyibhile

Ukwaba	Yahlula
Yaba ama-37 phakathi kwesi-3	$37 \div 3 = 12$ kusala 1
Yaba ama-74 phakathi kwesi-3	
Yaba ama-49 phakathi kwesi-3	
Yaba ama-68 phakathi kwesi-3	

Mangaphi amavili  
kwiitrayisikili e-1  
kwiitrayisikili ezi-2?  
kwiitrayisikili ezi-3?  
kwiitrayisikili ezi-4?  
kwiitrayisikili ezi-5?  
kwiitrayisikili ezi-6?  
kwiitrayisikili ezisi-7?  
kwiitrayisikili ezisi-8?  
kwiitrayisikili ezili-9?  
kwiitrayisikili ezili-10?

Tshatisa isibalo nombuzo  
ongasekhohlo:

$$9 \times 3 = 27$$

$$7 \times 3 = 21$$

$$2 \times 3 = 6$$

$$4 \times 3 = 12$$

$$3 \times 3 = 9$$

$$5 \times 3 = 15$$

$$1 \times 3 = 3$$

$$10 \times 3 = 30$$

$$6 \times 3 = 18$$

$$8 \times 3 = 24$$



## Gqibezele izazobe zesigcawu.

esikufakayo                      isiphumo

10	umthetho	× 3	
12			
14			
16			
22			

esikufakayo                      isiphumo

13	umthetho	× 3	
11			
23			
15			
25			

esikufakayo                      isiphumo

18	umthetho	÷ 3	
30			
36			
42			
75			

esikufakayo                      isiphumo

12	umthetho	÷ 3	
63			
66			
69			
75			



## Gqibezela iitheyibhile ezingezantsi:

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

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

Uzifumanise njani iimpendulo ezikwiibloko ezinombala ozuba?



## Bala okulandelayo:

Imali yokungena yayizii-R3 ngomntwana ngamnye kwaza kwangena abantwana abangama-23 epakini. Babhatele malini bebonke?



Teacher: \_\_\_\_\_  
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Ukuphinda-phinda ngezi-2,  
ngezi-3 nangezi-4 ukuya kuma-75

Ikota 3



Ungakuphendula msinyane kangakanani oku kulandelayo?

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




Jonga okwenziwe ngumhlobo wam.

$5 \times 2 = 10$

Xoxani ngako.

Ndiqale ukubonisa u- $5 \times 2$  ngale ndlela:

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Izintlu	Iinyaniso
2, 4, ---	 ---	$2 +$ ---	— Imigca yesi-2 xx	$2 \times \_ = \_$ $4 \times \_ = \_$ $\_ \div \_ = \_$ $\_ \div \_ = \_$

Yenza oku ngo- $8 \times 3 = 24$ .

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Izintlu	Iinyaniso

$6 \times 4 = 24$

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Izintlu	Iinyaniso



Yahlula uze uvavanye 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.  $64 \div 5$



Bala okulandelayo:

Mna nabhlobo bam sinama-R63 iyonke.  
Sifuna ukwabelana ngayo ngokulinganayo phakathi kwethu sobathathu.  
Uza kufumana malini emnye?



Teacher: \_\_\_\_\_  
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Date: \_\_\_\_\_

## Iipatheni zamanani: izithathu ukuya kuma-800

Ikota 3



Ungathini ngamanani akwiibloko ezinombala o-orenji?

Bala ngezithathu ukusuka kuma-703 ukuya kuma-799. Ngubani inani elilandela ama-745 xa ubala ngezithathu?

Bala ubuye umva ngezihlanu ukusuka kuma-799 ukuya kuma-703. Ngubani inani elikhokela ama-766 xa ubala ngokubuya umva?

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



Gqibezela izibalo zolandelelwano lwamanani.

703; 706; 709; \_\_\_\_; \_\_\_\_; \_\_\_\_

799; 796; 793; \_\_\_\_; \_\_\_\_; \_\_\_\_



Dibanisa okanye thabatha ezintathu.

a.  $766 + 3 = 769$

1. Dibanisa zibe ntathu kwinani olinikweyo. Sikwenzele eyokuqala.

b. 766 \_\_\_\_

c. 783 \_\_\_\_

d. 756 \_\_\_\_

e. 713 \_\_\_\_

f. 790 \_\_\_\_



2. Thabatha ezintathu kwinani olinikiweyo. Sikwenzele isibalo sokuqala.

a.  $766 - 3 = 763$

b. 763	c. 789	d. 756	e. 713	f. 799
--------	--------	--------	--------	--------

3. Kwenzeka ntoni xa udibanisa okanye uthabatha ezintathu kumanani angasentla?

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Jonga izangqa ezizuba kwibhodi yamanani.

a. Uqaphela ntoni ngezi zangqa? \_\_\_\_\_

b. Yandisa izibalo zolandelelwano lwamanani

ezilandelayo:

704; 707; 710; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

773; 776; 779; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

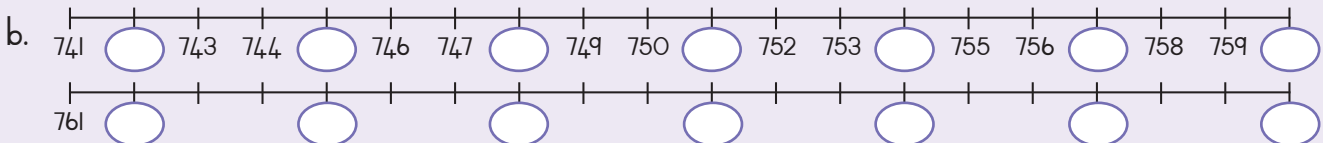
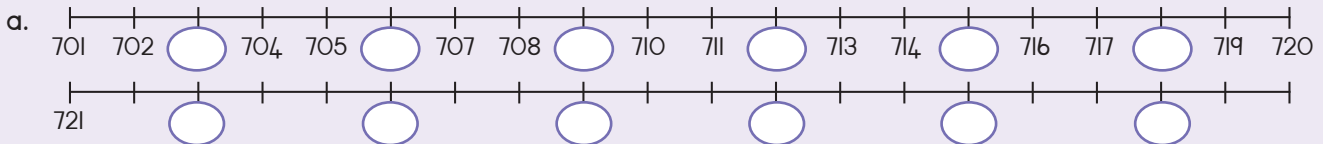
779; 776; 773; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

782; 785; 788; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

779; 782; 785; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Faka inani elichanekileyo kwisangqa ngasinye kule migca-manani.



Ndinenani elinamanani ama-3:

Inani lokuqala sisi-7, inani elilandelayo likhulu ngesibini kunesixhenxe, lize inani lokugqibela libe lincinane ngesixhenxe kunesixhenxe. Bala ngezithathu usiya phambili ukusuka kweli nani. Ufumana eliphi inani?



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

# Ukuphinda-phinda: ngezine ukuya kuma-75

Ikota 3

Yintoni efumaneka ngezine?

Amavili emoto?



Gqibezela itheyibhile.

Mangaphi amavili alapha

Imoto e-1?

Imoto ezi-2?

Imoto ezi-3?

Imoto ezi-4?

Imoto ezi-5?

Imoto ezi-6?

Imoto ezi-7?

Imoto ezi-8?

Imoto ezili-9?

Imoto ezili-10?

Tshatisa isibalo nombuzo ongasekhohlo:

$$9 \times 4 = 36$$

$$7 \times 4 = 28$$

$$2 \times 4 = 8$$

$$4 \times 4 = 16$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$

$$1 \times 4 = 4$$

$$10 \times 4 = 40$$

$$6 \times 4 = 24$$

$$8 \times 4 = 32$$

Ukubeka ngokwamaqela	Phinda-phinda	Ukwaba	Yahlula
Amaqeli ali-12 ezi-4	$12 \times 4 = 48$	Yaba ama-48 phakathi kwesi-4	$48 \div 4 = 12$
Amaqeli ali-16 ezi-4		Yaba ama-64 phakathi kwesi-4	
Amaqeli ali-18 ezi-4		Yaba ama-72 phakathi kwesi-4	
Amaqeli ali-15 ezi-4		Yaba ama-60 phakathi kwesi-4	



Gqibezela itheyibhile:

Ukwaba	Yahlula
Yaba ama-35 phakathi kwesi-4	$35 \div 4 = 8$ kusala isi- 3
Yaba ama-55 phakathi kwesi-4	
Yaba ama-70 phakathi kwesi-4	
Yaba ama-75 phakathi kwesi-4	



# Gqibezela izazobe zesigcawu.

esikufakayo                      isiphumo

10	umthetho	$\times 4$	<input type="text"/>
11			<input type="text"/>
13			<input type="text"/>
14			<input type="text"/>
15			<input type="text"/>

esikufakayo                      isiphumo

9	umthetho	$\times 4$	<input type="text"/>
12			<input type="text"/>
16			<input type="text"/>
17			<input type="text"/>
18			<input type="text"/>

esikufakayo                      isiphumo

16	umthetho	$\div 4$	<input type="text"/>
32			<input type="text"/>
44			<input type="text"/>
60			<input type="text"/>
72			<input type="text"/>

esikufakayo                      isiphumo

40	umthetho	$\div 4$	<input type="text"/>
52			<input type="text"/>
56			<input type="text"/>
64			<input type="text"/>
68			<input type="text"/>



# Gqibezela iithejibhile ezingezantsi:

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

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

Uzifumene njani iimpendulo ezikwiibloko ezinombala ozuba?



# Bala okulandelayo:

Ndinama-R75.  
Zingaphi izipho zepati endinokuzithenga nge-R4?



Teacher:

Sign:

Date:

# Iipatheni zamanani: Izine ukuya kuma-800

Ikota 3



Ungathini ngamanani akwiibloko ezi-orenji?

Bala ngezine ukususela kuma-704 ukuya kuma-800. Leliphi inani elilandela ama-736 xa ubala ubuya umva ngezine?

Bala ubuye umva ngezine ukususela kuma-800 ukuya kuma-704.

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



Gqibezela izibalo zolandelelwano lwamanani

704; 708; 712; \_\_\_\_; \_\_\_\_; \_\_\_\_

724; 728; 732; \_\_\_\_; \_\_\_\_; \_\_\_\_



Dibanisa okanye thabatha zibe ne

a.  $7b4 + 4 = 7b8$

1. Dibanisa zibe ne kwinqanaba olinikiweyo. Sikwenzele isibalo sokuqala.

b.  $7b4$  \_\_\_\_

c.  $788$  \_\_\_\_

d.  $754$  \_\_\_\_

e.  $718$  \_\_\_\_

f.  $794$  \_\_\_\_



2. Thabatha ezine kwinani olinikiweyo. Sikwenzele isibalo sokuqala.

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

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

3. Kwenzeka ntoni xa udibanisa okanye uthabatha ezine kumanani angasentla?

\_\_\_\_\_



Jonga izangqa ezizuba kwibhodi yamanani.

a. Uqaphela ntoni ngezi zangqa? \_\_\_\_\_

b. Yandisa izibalo zolandelelwano lwamanani

ezilandelayo:

703; 707; 711; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

773; 777; 781; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

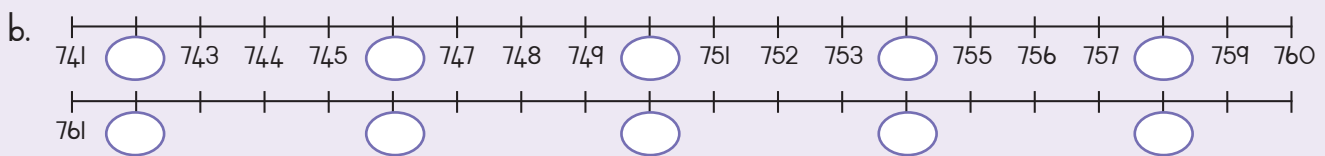
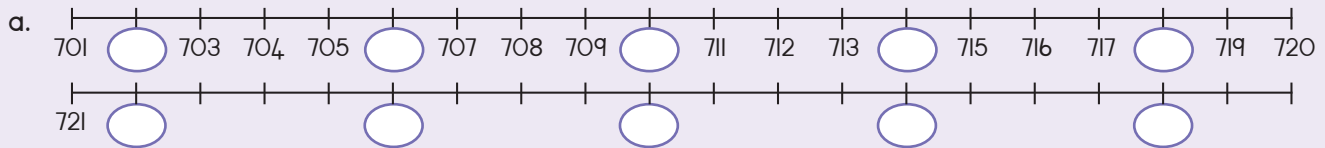
711; 715; 719; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

783; 779; 775; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

799; 795; 791; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Faka inani elichanekileyo kwisangqa ngasinye kule migca-manani.



Ndinenani elinamanani ama-3:

Inani lokuqala sisi-7, inani elilandelayo likhulu ngononye kunesixhenxe, lize inani lokugqibela libe lincinane ngesithathu kunesixhenxe.

Xa ubala usiya phambili ngezine ukususela kweli nani, ingaba liya kuba ngubani eli nani?

\_\_\_\_\_



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

Ukuphinda-phinda nokwahlula:  
ngezi-2, ngezi-3, ngezi-4,  
nangezi-5 ukuya kuma-75



Ungakuphendula msinyane kangakanani oku?

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



Faka umbala kwiibloko apho isibalo sikunika intsalela.

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



Wazi njani xa inani linokwahlulwa ngesi:

- 3? Xa unokudibanisa amanani enza elo nani, (umz. amanani akuma-72 ngala  $7 + 2 = 9$ ) kwaye unako ukwahlula eli nani litsha ngesi-3 (siyakwazi ukwahlula i-9 ngesi-3).
- 2? \_\_\_\_\_
- 5? \_\_\_\_\_



Yahlula uze uhlole impendulo yakho.

$$65 \div 3$$

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

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

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

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

$$21 \times 3 + 2$$

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

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

$$= 60 + 3 + 2$$

$$= 65$$

a.  $49 \div 5$

b.  $65 \div 5$



Bala okulandelayo:

Kufuneka uhambe uyokwenza uphando.  
Wazi njani ukuba inani linokwahluleka ngesi-4?



# Iimpawu zezinto ezinemilinganiselo engu-3-D

Ikota 3



Jonga imifanekiso.

Thetha ngemiphezulu yezinto usebenzise amagama afana nathi emcaba okanye egobileyo.

Iibhola	Iibhokisi	Iisilinda	Iiphiramidi	Iikhowuni



Jonga imifanekiso uze ugqibezele izivakalisi nemibuzo.



a. Ibhola

\_\_\_\_\_



b. Kutheni ingatshebelezi ibhola?

\_\_\_\_\_



c. Isilinda

\_\_\_\_\_



d. Ingaba nesilinda iyakwazi ukutshebeleza?

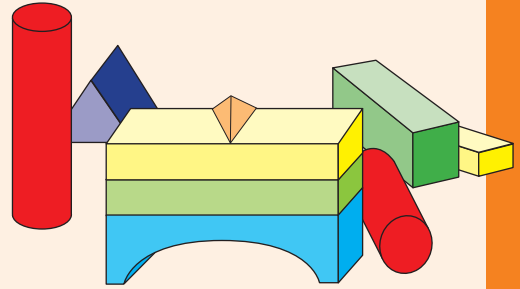
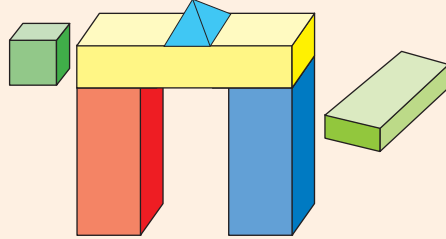
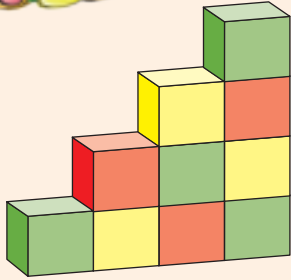
\_\_\_\_\_



Nika amagama ezinto ezisetyenziswe emfanekisweni ngamnye.






Uthiya into kube kanye kuphela. Xela ukuba iyaqengqeleka okanye iyatshebeleza na.



_____	_____	_____
_____	_____	_____
_____	_____	_____



Xela ukuba ingaba i-3-D inamacala amcaba na okanye inamagophe

		
_____	_____	_____



Zoba okulandelayo:

Ibhokisi exhathise phezu kwesilinda.	Ibhola exhathise phezu kwesilinda.	Isilinda exhathise phezu kwebhokisi.
--------------------------------------	------------------------------------	--------------------------------------



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Izicuku zezixhobo zemicu yamaqhezu

Ikota 3



**Izinto ezisetyenziswayo:** imicu yephepha emi-5 enemibala eyahluka-hlukileyo, Izikere, Iipenisile/Iikhrayoni

## Yenza isicuku sezixhobo

Sika ukhuphe iphepha lesi-5

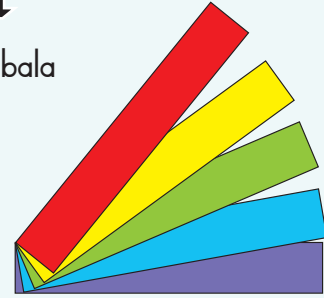
Kumcu omnye bhala la magama: "Into Enye Epheleleyo"

Thatha omnye umcu uze uwusonge ngononophelo ehafini.

Wuvule. Unamacala alinganayo amangaphi?

Bhala  $i-\frac{1}{2}$  kwisiqingatha ngasinye uze usike emigobeni.

Thatha umcu wesithathu uwugobe ehafini, uze uphinde uwugobe ehafini kwakhona. Wuvule. Zingaphi iinxenye ezilinganayo onazo? Bhala  $i-\frac{1}{4}$  kwinxenye nganye yesine okanye kwikota nganye, uze usike emigobeni. Khawuzame ukwenza eminye imicu emibini, omnye ubonise izihlanu uze omnye ubonise izibhozo.



Into Enye Epheleleyo

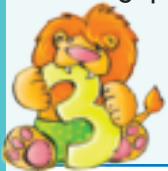


Sebenzisa amaqhekeza esicuku sezixhobo ukuze akuncede uphendule le mibuzo.



Zingaphi izihlanu ezenza into enye epheleleyo?

Zingaphi izibhozo ezilingana nesiqingatha esinye?



Amaqhezu akumgca-manani.

Lo mcu ubonisa into enye epheleleyo.

Into Enye Epheleleyo

Esi sangqa senza into enye epheleleyo.

Into Enye Epheleleyo

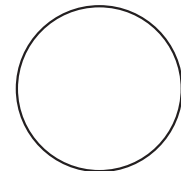
Yahlula umcu ngokweenxenye ezintathu.



Faka umbala kwinxenye enye yesithathu.

Yahlula isangqa sibe zizithathu.

Faka umbala kwinxenye enye yesithathu.





## Ngoku faka umbala kokulandelayo:

<p>Kwisiqingatha esinye</p>	<p>Kwiikota ezintathu</p>	<p>Kwiinxenye ezimbini kwezintathu ezilinganayo</p>
<p>Kwiinxenye ezine kwezintlanu ezilinganayo</p>	<p>Kwisiqingatha esinye</p>	<p>Kwiikota ezintathu kwezine</p>



## Zoba okulandelayo:

<p>Iikota ezintathu kwezine ngokusebenzisa isikwere.</p>	<p>Isiqingatha esinye ngokusebenzisa isangqa.</p>	<p>Iinxenye ezimbini kwezintathu ezilinganayo ngokusebenzisa unxantathu.</p>
<p>Iinxenye ezine kwezintlanu ezilinganayo ngokusebenzisa isangqa.</p>	<p>Izibhozo ezine usebenzisa isikwere.</p>	<p>Iinxenye ezimbini kwezintathu ezilinganayo usebenzisa uxande.</p>



## Lungisa isicuku sezixhobo sakho

- Sika isangqa ngasinye kwezi-6 uze usike ezisi-6.
- Sika emigceni izangqa ezihlanu zibe ngamaqhekeza.
- Phawula iqhekeza ngalinye.
  - o Kwelinye icala bhala iqhezu leyure epheleleyo.
  - o Kwelinye icala bhala inani lemizuzu ekwelo qhezu.



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

## Amanye amaqhezu

Ikota 3



## Bhala u-Ewe okanye u-Hayi

- Isiqingatha sisiqingatha sento enye epheleleyo
- Isiqingatha sesiqingatha yikota
- Ikota sisiqingatha sesiqingatha
- Isiqingatha neekota ezimbini zenza into enye epheleleyo
- Isiqingatha kunye nekota enye zenza iikota ezintathu



## Yaba iphayi

USipho, uGugu, u-Andile noLisa babelana ngephayi enye.



- a. Ndilambile!  
Ndifuna isiqingatha!

Sipho



Zoba isabelo sikaSipho.

- b. Kulungile! Ndiza kuthatha ikota.

Gugu



Zoba isabelo sikaSipho nesikaGugu.

- c. Ndiza kuthatha isiqingatha sento eseleyo.

Andile



Zoba isabelo sikaSipho, esikaGugu nesika-Andile.

- d. Ingakanani iphayi endiza kuyifumana?


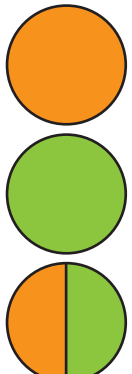

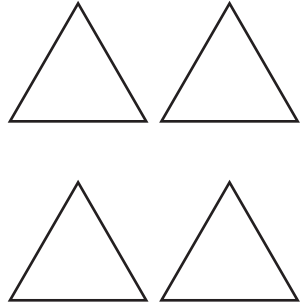

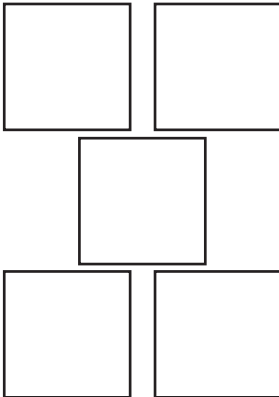

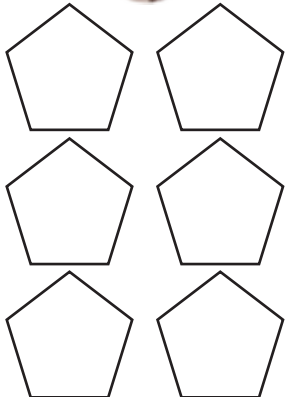
Lisa



Zoba zonke izabelo zabo zephayi.



Yabela abantwana iimilo ngokukrwela umgca uze ufake umbala.

 	 	 	 
---	--	---	---



Abahlobo abane babelana ngeelekese ezi-5 ngokulinganayo.

Emnye kubo uza kufumana kangakanani?

Uthini umbuzo?

\_\_\_\_\_

Athini amanani?

\_\_\_\_\_

Zoba umfanekiso.

Abahlobo abathandathu babelana ngeelekese ezili-9 ngokulinganayo.

Emnye kubo uza kufumana ezingakanani?

Uthini umbuzo?

\_\_\_\_\_

Athini amanani?

\_\_\_\_\_

Zoba umfanekiso.



Teacher: \_\_\_\_\_

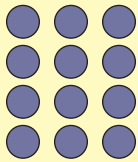
Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Ukwaba okukhokelela kumaqhezu

Ikota 3

Nazi izibalisi ezili-12



Singabahlobo ababini. Sinesikhongozelo esinye kuphela esahlulwe kanye ehafini.

Sithi esi sisiqingatha esinye.

Sithi esi sisiqingatha esinye.

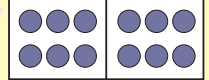




Thina sobabini sabelana ngezibalisi ezilishumi elinesibini.

Ndifumene izibalisi ezintandathu.

Ndifumene izibalisi ezintandathu.



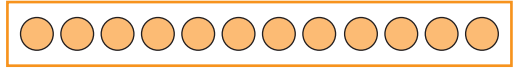
Yenza isazobe sezinto ezilandelayo uze uphendule umbuzo.

Iibhola ezilithoba zahlulelwa abahlobo abathathu.



- Ingaba emnye kula mantombazana ufumana iibhola ezingaphi?
- Inye intombazana, ifumana eliphi iqhezu?

Iibhola ezilishumi elinesibini zabelwa abahlobo abane. Abathathu kubo ngamakhwenkwe.



- Inye intombazana, ifumana iibhola ezingaphi?
- Leliphi iqhezu elifunyanwa yinkwenkwe nganye?



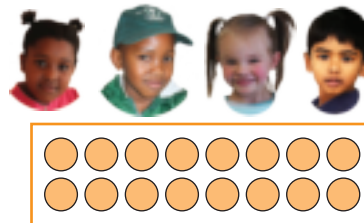
Lithini iqhezu eliya kufunyanwa nguMandla? ULisa uya kufumana eliphi iqhezu?

Igama lam ndinguMandla



- Zingaphi iibhola eziza kufunyanwa nguMandla noLisa?

Igama lam nguLisa



- Zingaphi iibhola eziza kufunyanwa nguMandla noLisa?



## Ukwaba iilekese.

Abanye abahlobo babelana ngeelekese. Emnye kubo ufumana  $\frac{1}{2}$  (isiqingatha) sepakethi.

a. Zingaphi iipakethi ekufuneka benazo zokwabela:

abahlobo aba-4? \_\_\_\_\_ abahlobo aba-6? \_\_\_\_\_ abahlobo aba-9? \_\_\_\_\_



b. Bangaphi abahlobo abanokwabelana:

ngeepakethi ezi-4? \_\_\_\_\_ ngeepakethi ezi-10? \_\_\_\_\_ Ngeepakethi ezi- $3\frac{1}{2}$ ? \_\_\_\_\_



## Izicketi zomxhentso.

Oomama noomakhulu bathunga izicketi zomxhentso.

Ngesicketi esi-1 bafuna iimitha ezi- $2\frac{1}{2}$  (m) zelaphu.

Ilaphu lixabisa i-R6 ngemitha nganye.

a. Bangathunga izicketi ezingaphi?

kwi-5 m \_\_\_\_\_ kwi-10 m \_\_\_\_\_

kwi-20 m \_\_\_\_\_ kwi-25 m \_\_\_\_\_



b. Lingakanani ilaphu abalifunayo ukuze bathunge

izicketi ezi-2 \_\_\_\_\_ izicketi ezi-3 \_\_\_\_\_ izicketi ezi-4 \_\_\_\_\_



c. Yimalini ilaphu lokuthunga

isicketi esi-1 \_\_\_\_\_ izicketi ezi-2 \_\_\_\_\_ izicketi ezi-3 \_\_\_\_\_



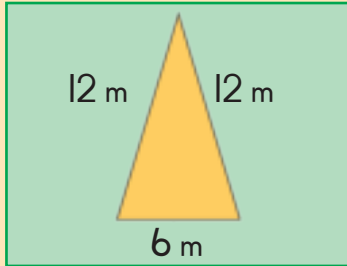
d. Zingaphi izicketi abanokuzithunga

R450 \_\_\_\_\_ R825 \_\_\_\_\_ R180 \_\_\_\_\_



## Iperimitha/Umjikelezo

Igama elithi pherimitha lithetha ubude okanye umjikelezo.



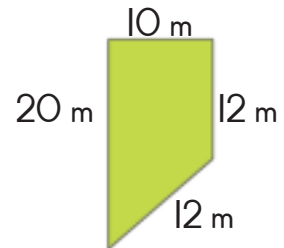
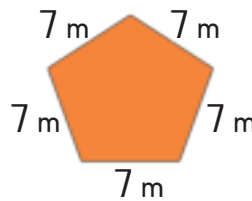
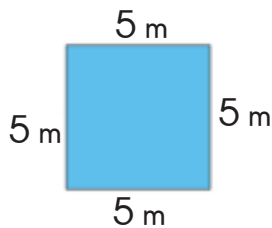
Umfama unomhlaba wokulima ongunxantathu.

Sinako ukuyifumanisa ipherimitha yesiza ngokudibanisa ubude bamacala.

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



Fumana ezi pherimitha.



Isitiya sikaVeronica.

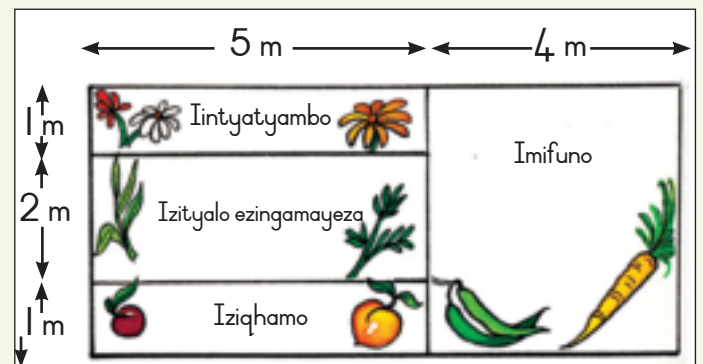
UVeronica uzoba isitiya afuna ukusilima.

- Yintoni ipherimitha yendawo alima kuyo izityalo zakhe ezingamayeza? \_\_\_\_\_
- Ngawaphi amacandelo amabini anepherimitha efanayo? Yintoni ipherimitha yazo?

\_\_\_\_\_ ne \_\_\_\_\_ zinepherimitha yeemitha \_\_\_\_\_ m.

- Ufuna ucingo lokubiyela isitiya sakhe. Ucingo lubiza ama-R50 imitha enye.

Luza kuba yimalini ucingo? \_\_\_\_\_





## Yenza isicwangciso sesitiya sakho.

Sebenzisa iphepha legridi elisikwe kali-7 ukuze wenze isicwangciso sesitiya sakho. Bonisa yonke imilinganiselo nezityalo onqwenela ukuzilima.



## Ukulinganisa izangqa

Sebenza nomhlobo.

**Izinto ezisetyenziswayo:** Izinto ezili-10 ezimile okwesangqa ezinobukhulu obahlukeneyo ezifana nepleyiti, iglasi, iteyiphu yokuncamathelisa, isiciko sebhotile, umtya nesikere.

1. Khetha enye kwizinto ezingqukuva eza kulinganiswa ngomtya.
2. Sika intwana yomtya enobude obulingana ncam nejikeleza loo nto ncam.
3. Thattha ke ngoku kwale ntambo inye uze uyitsale ukuze ifikelele kwelinye icala lesangqa. Bala ukuba ifikelela kangaphi kwelinye icala lesangqa.
4. Yenza njalo nangezinye izinto ezizizangqa.
5. Bhala into oyiqaphelayo.



Umgama ojikeleza isangqa ubizwa ngokuba sisazinge okanye isekhamfarensi.



Umgama onqamleza isangqa waziwa ngokuba yidayamitha.



Teacher:
Sign:
Date:

## Imali yokurhweba

Dlala le mdlalo nomhlobo wakho.

Izinto ezisetyenziswayo:

RIOO

RIO

RI

IOc

Ic



RIOOs	RIOs	RIs	IOc	Ic

IBhodi yeMali (umsiko 8), Iphepha nepenisile, amadayisi amabini, imali yokudlalisa (kumsiko 9): imali engamaphepha ye-RIOO kunye nemali eziinkozo ezi-RI, IOc nee-Ic.

Beka iBhodi yeMali etafileni.

Ibhodi inamacandelo ama-5 angala, ukusuka ekhohlo ukuya ekunene, i-RIOO, i-RIO, i-RI, neesenti ezili-IO. Kulo mdlalo siza kusebenzisa iikholamu ezi-3 zokuqala.

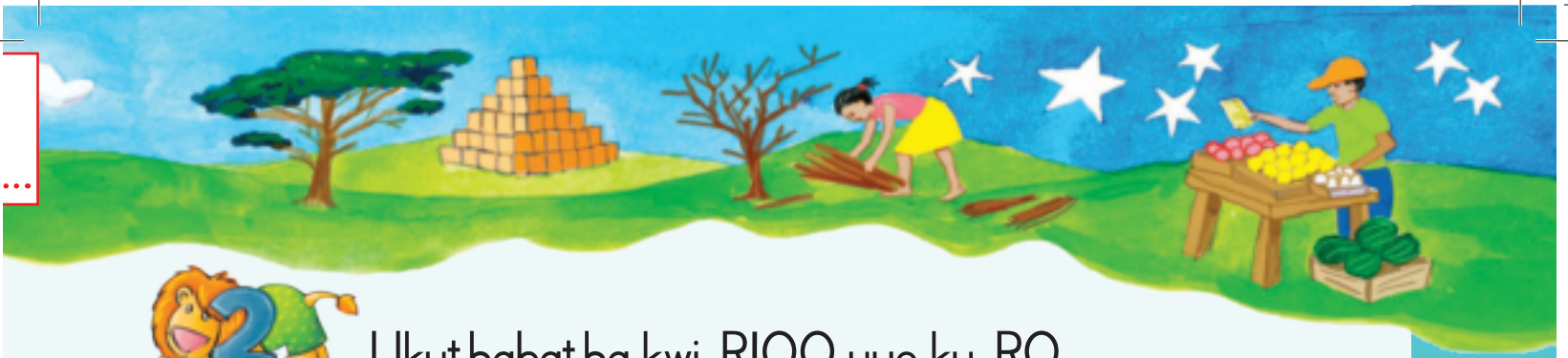


## Dibanisa ufikelele kwiiRandi ezili-100.

1. Umajali ngamnye ufumana ithuba lokuqengqa idayisi. Dibanisa amanani amabini.
2. Thatha elo nani leenozo ze-RI uzibekwe kwindawo yee-RI ebhodini.
3. Msinyane emva kokuba neenozo ze-RI kufuneka urhwebe ngazo ukuze uzuze imali eliphepha ye-RIO.

4. Umntu oqokelele amaphepha e-RIO kuqala aze arhwebe ngawo ukuze afumane iphepha le-RIOO nguye ophumeleleyo.

5. **Izohlwayo:** Ukuba umdlali ugqibile kwithuba lakhe waza walibala ukurhweba ngeenozo ze-RI ezilishumi ukuze afumane iphepha elinye le-RIO, aze omnye umdlali ayibhage loo mpazamo, isohlwayo yi-RI. Ukuba umdlali ulibele ukurhweba ngamaphepha alishumi e-RIO ukuze afumane iphepha elinye le-RIOO, kufuneka ahlawule i-RIO komnye umdlali.



## Ukuthabatha kwi-RIOO uye ku-RO.

Dlala wona lo mdlalo, kodwa ngoku qala ngemali engamaphepha ezii-RIO, thabatha isiphumo samanani asedayisini. Umdlali ofumana i-RO kuqala nguye ophumeleleyo.

RIOOs	RIOs	RIIs	IOc	Ic



## Ukudibanisa nokuthabatha kwi-RI 000.

Dibanisa isiphumo sedayisi ngethuba ngalinye, uze uthathe elo nani le-RIO engamaphepha. Owokuqala ukufikelela kwi-RI 000 nguye ophumeleleyo. Okanye, qala nge-RI 000, uze uthabathe kwithuba ngalinye. Umdlali wokuqala ukufikelela kwi-RO nguye ophumeleleyo.



## Ukudibanisa ufikelele kwi-RI.

Dlalani ngokufanayo nomdlalo wokuqala, kodwa ngoku xa niqengqa idayisi, nize nifumane isiphumo, thathani eso siphumo sedayisi kwiinkozo zesenti e-I. Xa sowuneeinkozo ezilishumi ze-Ic, zitshintshe ukuze ufumane ukhozo olunye lwe-IOc. Owokuqala otshintshe iinkozo ezilishumi ze-IOc ukuze afumane ukhozo lwe-RI nguye ophumeleleyo.



## Thabatha iisenti.

Qalisa nge-RI, uze uthabathe ngomdlalo ngamnye. Owokuqala ukufikelela kwiisenti ezingu-0 nguye ophumeleleyo.



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

## Masiye ezivenkileni!






Ikota 3



Iminqwazi ethengiswayo.

Ivenkile ithengisa iminqwazi ngamaxabiso ama-5 ahlukeneyo.



							Iitotali
Iminqwazi a 	R20	R20	R20	R20	R20	R20	R120
Iminqwazi b 	R25	R25	R25	R25	R25	R25	
Iminqwazi c 	R50	R50	R50	R50	R50	R50	
Iminqwazi d 	R75	R75	R75	R75	R75	R75	
Iminqwazi e 	R100	R100	R100	R100	R100	R100	

- Funa ixabiso leminqwazi kumqolo ngamnye.
- UMaZondo uthenga omnye kuhlobo ngalunye lominqwazi. Ubhatala malini iyonke? \_\_\_\_\_
- UButi uchitha ama-R450 iyonke. Uthenga uminqwazi omnye nge-R100. Yeyiphi eminye iminqwazi ayithengayo? Bonisa iimpendulo ezinokuchaneka ezi-2.

Qwalasela!  
Thelekisa!  
Lungisa!

Impendulo 1	Impendulo 2



## Kwivenkile yesonka.

UMusa usebenzisa iresiphi yokwenza ikeyiki etofotofo.



### Iresiphi yekeyiki etofotofo

Ukwenzela ikeyiki: ama-40 g omgubo wengqolowa ozinyukelayo; Amaqanda ama-3; iswekile yokuhombisa yama-50 g Ukwenzela ukuqaba phakathi: ucwambu lwe-140 ml

a. Bala ukuba kufuneka uMusa abe nantoni ukuze abhake ikeyiki ezi-6.

Ikeyiki	Umgubo wengqolowa	Amaqanda	Iswekile	Ikhrimu
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

b. Phawula nge (✓) impendulo echanekileyo.

Ilitha e-1 yekhrimu inokudibanisa malunga: neekeyiki ezili-10; ikeyiki ezisi-7; ikeyiki ezisi-8



## Izibalo ezikhawuleziswa

Qwalasela!  
Thelekisa!  
Lungisa!

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



# Okunye ngeenkukacha



## Kwisikhululo samapolisa.


Amapolisa amahlanu enza imisebenzi eyahlukeneyo. Aphi ngoku?

	Ezidesikeni	Ayajikeleza	Asenkundleni
USerufe			x
UMaria	x		
USam	x		
UAmos		x	
UDudu			x






Bhala amagama okuba ngubani: Osesdesikeni? \_\_\_\_\_  
 Ojikelezayo? \_\_\_\_\_  
 Osenkundleni? \_\_\_\_\_



## Usuku lwemithi

Isikolo ezihlanu zikukhuphiswano lokubona ukuba sesiphi esinokutyala eyona mithi mininzi ngoSuku lokuTyalwa kweMithi.  = 10 imithi



Klipspruit	
Mthonjeni	
Sonskyn	
Thuthong	
Mosiba	

Isikolo ngasinye sityala imithi emingaphi?

eKlipspruit	eMthonjeni	eSonskyn	eThuthong	eMosiba

Mingaphi imithi etyalwe zizikolo iyonke? \_\_\_\_\_



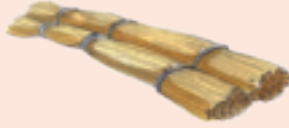
## Hlobo luni lophahla?

Iklasi yeBanga lesi-3 yenza uphando kwilali yayo.

Bafuna ukuqonda ngeentlobo zamaphahla ezindlwini ezahlukeneyo.

Babonisa iziphumo zabo kule grafu yeebloko.

Benza uphawu (✓) olu-1 kwindlu nganye obayibonayo.



Iithayili	✓	✓	✓	✓	✓	✓					
Ingca	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Iplanga	✓	✓	✓	✓	✓	✓	✓	✓			
Izinki	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Zingaphi kuhlobo ngalunye lophahla abalubonayo?

Iithayili \_\_\_\_\_ Ingca \_\_\_\_\_ Iplanga \_\_\_\_\_ Izinki \_\_\_\_\_

Loluphi uhlobo olulolona luthandwayo? \_\_\_\_\_

Babone amaphahla amangaphi ephelele? \_\_\_\_\_



## Ubukhulu beminqwazi

Amakhwenkwe esikolo saseJuma anxiba iikepusi zesikolo.

Iikepusi zifumaneka kwezi sayizi-2, 3 no 4.

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



Bala ukuba bangaphi abafundi abanxiba isayizi nganye yeekepusi.

2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_

Yeyiphi eyona sayizi ixhaphakileyo? \_\_\_\_\_

Qwalasela!  
Thelekisa!  
Lungisa!

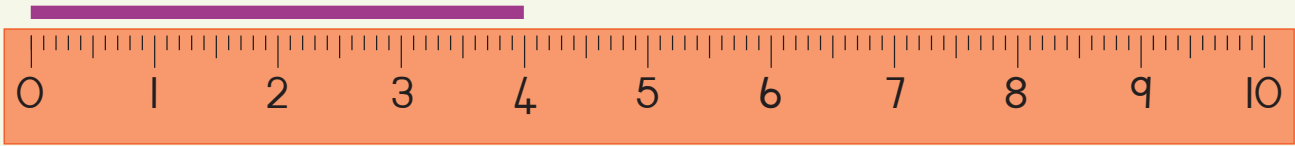
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

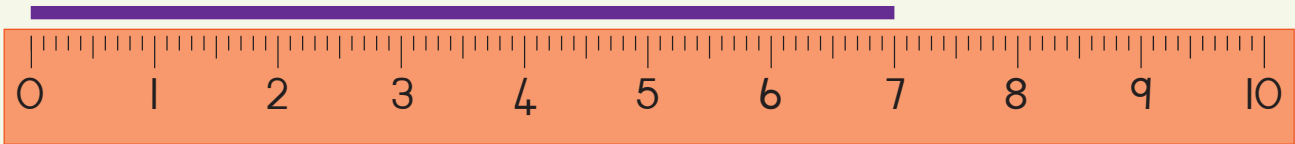
# Ukusebenza ngeesentimitha

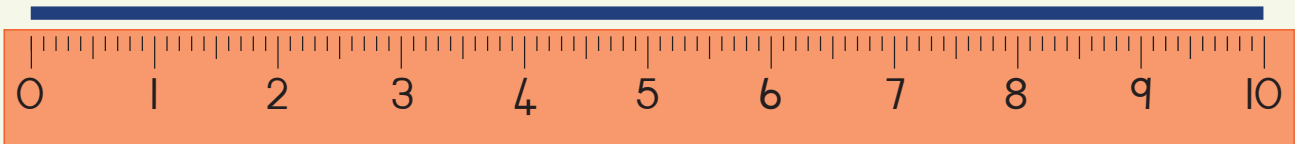
Ikota 4



Mde kangakanani umgca onombala?









Qala ngokuqikelela uze ulinganise le migca.  
Gqibezela itheyibhile.

Umgca	Uqikelelo	Umlinganiselo	Umahluko phakathi koqikelelo nomlinganiselo



Ukusebenza ngeekhilomitha.



a. 10 cm

b. 7 cm

c. 15 cm



Enyakeni usebenzise iipenisile zakho zokufaka imibala ezilishumi. Iipenisile zakho bezinobude obungange-15 cm phambi kokuba uzisebenzise.

- Ubude bencwadi \_\_\_\_\_
- Ukuphakama kocango \_\_\_\_\_
- Ubude beipenisile \_\_\_\_\_
- Ubude bakho \_\_\_\_\_
- Ubude bomnwe wakho \_\_\_\_\_

Khumbula iisimboli (izifinyezo) esizisebenzisayo xa sibhala isentimitha (cm) kunye nemitha (m).



Ekuhambeni konyaka usebenzise iipenisile zakho ezilishumi eziyimibala. Ubude beipenisile zakho bebuzii-15 cm phambi kokuba uzisebenzise.

Emva kokuba uyisebenzisile ipenisile yakho ebomvu ibe nobude obungangee-7 cm, ezuba ibilingana nee-5 cm, eluhlaza yona ibingangee-6 cm, emthubi ingangee-11 cm, emsobo ingangee-12 cm, e-orenji ilingana nee-9 cm, enebala elimdaka ingangee-14 cm, emnyama ingangee-8 cm, epinki ingangee-13 cm yaze emhlophe yangangee-15 cm.



- Yeyiphi ipenisile oyisebenzise kakhulu? \_\_\_\_\_
- Yeyiphi eyona penisile oyisebenzise kancinci? \_\_\_\_\_
- Bhala ubude beipenisile zakho uqale ngeyona imfutshane ugqibele ngeyona inde \_\_\_\_\_



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

11 12 13 14 15 16 17 18 19 20

## Ama-700 ukuya kuma-800

Ikota 4



Bala uze ubhale.

- a. Sebenzisa le tshathi ilandelayo ikuncede ubale ukusuka kuma-700 ukuya kuma-800. Wabize amanani njengokuba ubala.

700



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

- b. Bhala amanani angekhoyo kwigradi engasentla.  
c. Bhala amanani ali-10 alandela ama-750.

750; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- d. Bhala amanani asi-8 alandelayo kwipatheni yezi-2.

762; 764; 766; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- e. Bhala onke amanani ngezi-2 ukususela kuma-751 ukuya kuma-773.

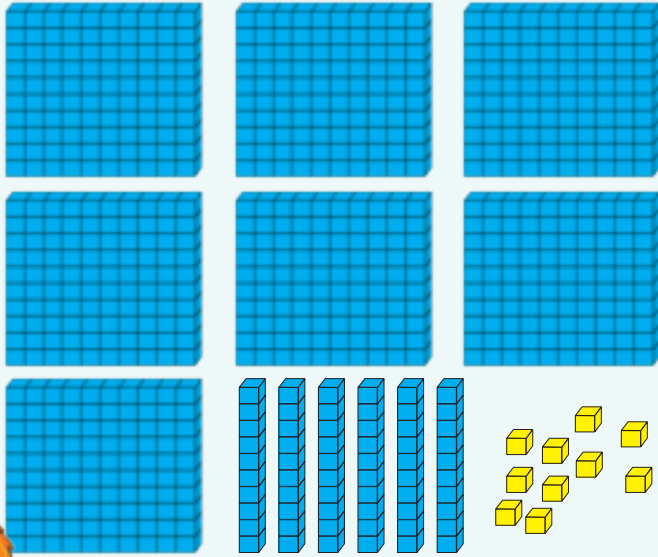
751; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 773

- f. Bhala amanani asi-8 alandelayo ngokwepatheni yezi-5.

751; 756; 761; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ubale iibloko ezingaphi?



Uzibale njani iibloko?



Gqibezela imigca-manani.

750			753				757		759	
							789	788	787	
					753	756	759			



Gqibezela itheyibhile.

Bhala elona lincinane ukuya kwelona likhulu.

Bhala ukusuka kwelona likhulu ukuya kwelona lincinane.

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



Bhala okulandelayo ngamagama.

788	
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Teacher:

Sign:

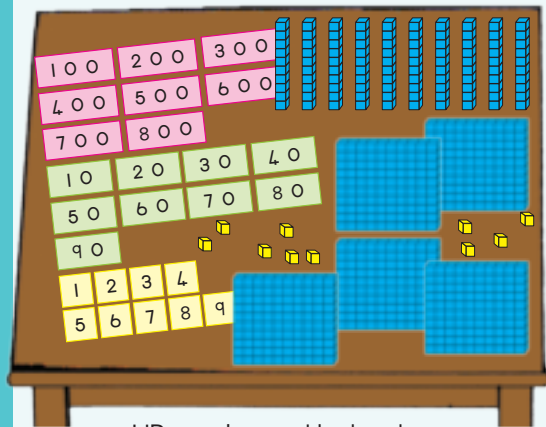
Date:

99

Umhla:

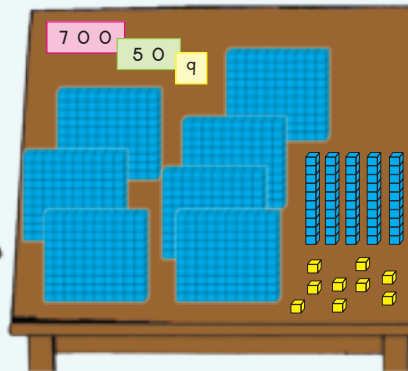
# Amanye amanani aqala kuma-700 ukuya kuma-800

Ikota 4

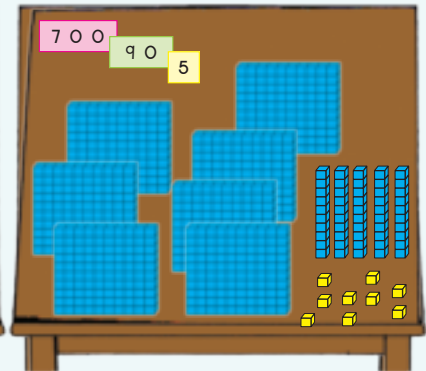


UPeter ebenamakhadi endawo yexabiso kunye neebloko zamashumi.

Utitshala ucele uPeter ukuba abonise ama-759 ngamakhadi akhe neebloko zakhe.



UBen ubonise oku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani wandule ukubhala impendulo.

$700 + 60 + 7 = 767$		



Bhala isivakalisi samanani wandule ukubhala impendulo.

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



## Gqibezela umgca-manani.

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

Ndinike onke amanani angaphantsi kunama-795. \_\_\_\_\_

Ndinike onke amanani amakhulu kunama-795. \_\_\_\_\_



Faka  $<$ ,  $>$  okanye  $=$ .

a.  $799$  \_\_\_\_\_  $766$       b.  $745$  \_\_\_\_\_  $750$

c.  $700 + 90 + 7$  \_\_\_\_\_  $767$



Calula inani lakho.

- Yakha inani ngalinye ngamakhadi akho.
- Bhala ixabiso lenani ngalinye. Ngoku yenza ezi zibalo: Calula inani lakho.

790	
689	
699	
755	
690	

Umzekelo: 799

7	0	0
	9	0
		9
7	9	9

799     $700 + 90 + 9$



Bhala la manani ngamagama.

668	
757	
799	
742	
691	



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

100

Umhla:

# Amanani ukusuka kuma-800 ukuya kuma-900

Ikota 4



Bala uze ubhale!

- a. Sebenzisa le tshathi ilandelayo ikuncede ubale ukusuka kuma-800 ukuya kuma-900. Wabize amanani njengokuba ubala.

800



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

- b. Bhala amanani angekhoyo kwigradi engasentla.  
 c. Bhala amanani ali-10 alandela ama-800.

800; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- d. Bhala amanani alandelayo asi-8 ngokwepatheni yezi-2

852; 854; 856; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- e. Bhala onke amanani ngokwepatheni yezi-2 ukususela kuma-807 ukuya kuma-829.

807; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 829

- f. Bhala amanani alandelayo asi-8 ngokwepatheni yezi-5.

834; 839; 844; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Ubale iibloko ezingaphi?

Uzibale njani iibloko?



Gqibezela imigca-manani.

830			833				837	838		
							876	881	886	
					843	846	849			



Gqibezela itheyibhile.

Bhala ukusuka kwelona lincinane ukuya kwelona likhulu.

Bhala ukusuka kwelona likhulu ukuya kwelona lincinane.

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



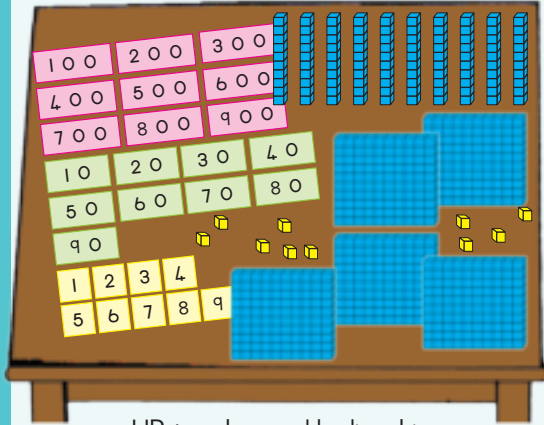
Bhala inani ngamagama.

845	
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Teacher:  
 Sign:  
 Date:

# Amanye amanani aqala kuma-800 ukuya kuma-900

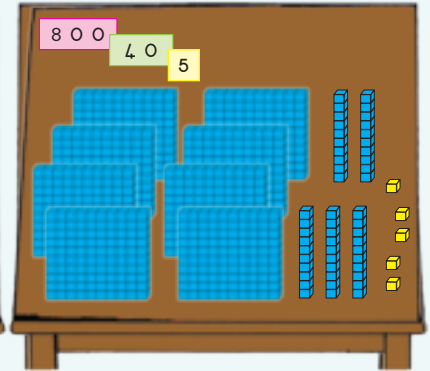
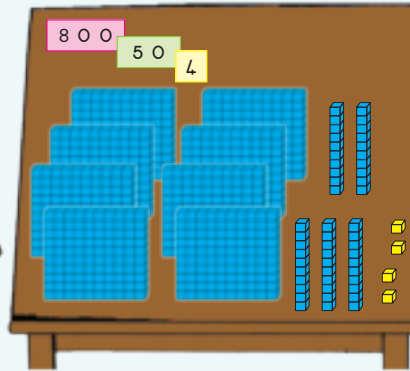
Ikota 4



UPeter ebenamakhadi exabiso lendawo kunye neebloko zamashumi.

Utitshala ucele uPeter ukuba abonise ama-854 ngamakhadi neebloko zakhe.

Naku okuboniswe nguBen. Yintoni angayenzanga kakuhle.



Bhala isivakalisi samanani uze uphendule imibuzo.

$800 + 80 + 5 = 885$	<input type="text"/>	<input type="text"/>



Bhala isivakalisi samanani wandule ukubhala impendulo.

$800 + 50 + 2$ $=$	$800 + 90 + 7$ <input type="text"/> <input type="text"/>	$800 + 3$ <input type="text"/> <input type="text"/>
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Gqibezela umgca-manani.

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

Ndinike onke amanani angaphantsi kunama-894. \_\_\_\_\_

Ndinike onke amanani amakhulu kunama-894. \_\_\_\_\_



Fakela  $<$ ,  $>$  okanye  $=$

a. 899 \_\_\_\_\_ 898                      b. 802 \_\_\_\_\_ 820

c.  $900 + 70 + 5$  \_\_\_\_\_ 785



Calula inani lakho.

- Yakha inani ngalinye ngamakhadi akho.
- Bhala ixabiso lenani ngalinye. Ngoku yenza ezi zibalo: Calula inani lakho.

890	
889	
802	
855	
840	

Umzekelo: 876

800
70
6
876

876     $800 + 70 + 6$



Bhala la manani ngamagama.

889	
825	
803	
830	
899	



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

## Ukulinganisa ubunzima bezinto

Ikota 4



Jonga imifanekiso elandelayo uze uphendule imibuzo.



- Ingaba umgubo wokuhlamba impahla oyi-1 kg, ukhaphukhaphu okanye unzima kunomgubo wokuhlamba impahla oyi-2 kg?

---

- Yeyiphi ekhaphu-khaphu: Isiriyeli yakusasa eyi-500 g okanye iibhisikithi eziyi-200 g?

---

- Yeyiphi enzima kunenye: Amafutha okuthambisa ubuso e-100 g okanye ipakethi yomngqusho ye-1 kg?

---

Ingaba bungakanani ubunzima bemizimba yethu sisonke?



Ubunzima bomzimba wam ngama-25 kg, obomhlobo wam ngama-29 kg kodwa obomntakwethu ngama-45 kg.

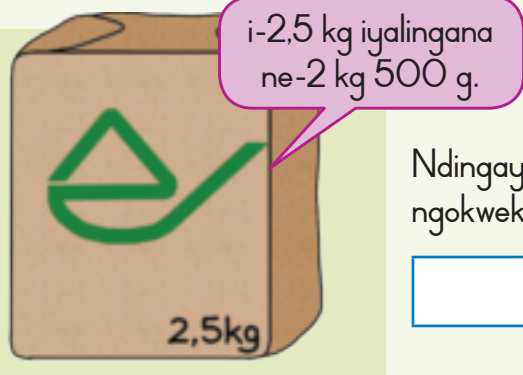
Imveliso zisonke zinobunzima obungakanani?



Imveliso yokuqala inobunzima be-1 kg 500 g, eyesibini imveliso inobunzima-be-3 kg 500 g ize eyokugqibela ibe yi-2 kg 500 g.



Jonga le mifanekiso uze uphendule le mibuzo.



Ndingayibhala njani i-3,5 kg ngokwekhilogrem nee-grem?



Grqibezela itheyibhile

Utitshala wakho uza kukunika izinto ezintlanu omawuziqwalasele. Qikelela ubunzima bazo uze uzilinganise.

Into	Uqikelelo	Umlinganiselo	Umahluko phakathi koqikelelo nomlinganiselo



Iimveliso zinobunzima obungakanani zidibene?

Iimveliso zokuqala zinobunzima be-2 kg 500 g, eyesibini imveliso yi-1kg 500 g kanti eyokugqibela zii-3 kg 500 gm



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

# Masiqhube ngokulinganisa ubunzima

Ikota 4

Imasi okanye ubunzima ngumlinganiselo wobungakanani besiqulatho sento. Xa kukuninzi okukhoyo loo nto kuba nzima ngakumbi ukuyishukumisa.

Ubunzima ngumlinganiselo wamandla atsalela izinto ezantsi. La mandla anganeno enyangeni kuba izinto zikhaphu-khaphu noko phaya. Kwiinjongo zemihla ngemihla apha emhlabeni sisebenzisa imilinganiselo efanayo yemasi nobunzima.

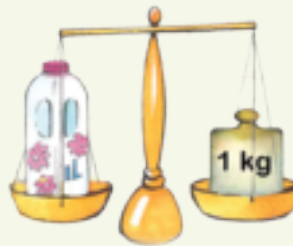
Ubunzima sibulinganisa ngeekhiilogrem nangeegrem.

Izikali ezahlukeneyo

Sisebenzisa iintlobo ezahlukeneyo zezikali xa silinganisa ubunzima.

Silinganisa imasi ngebhalansi kanti ubunzima sibulinganisa ngesikali sesipringi.

Ilitha yamanzi inemasi engange-1 kg.

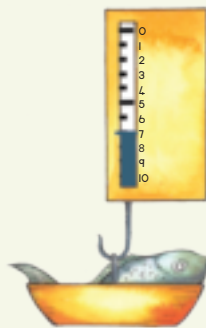


Le ntlanzi inobunzima be-3 kg.



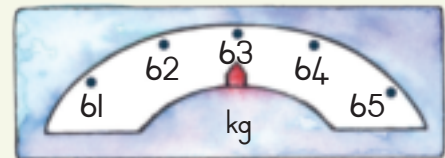
## Funa ubunzima

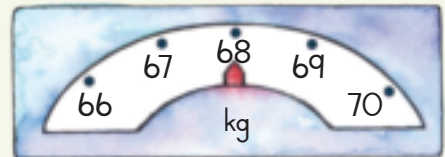
Bhala ubunzima ngokwe-kg njengoko kubonisiwe kwisikali ngasinye.

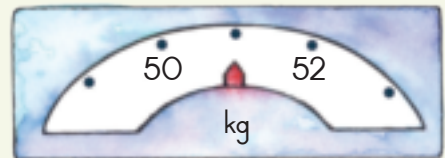










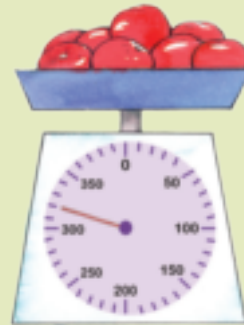




Sisebenzisa iigrem ukulinganisa ubunzima bezinto ezincinane okanye ezikhaphu-khaphu nokulinganisa amaqhezu ekhilogrem.

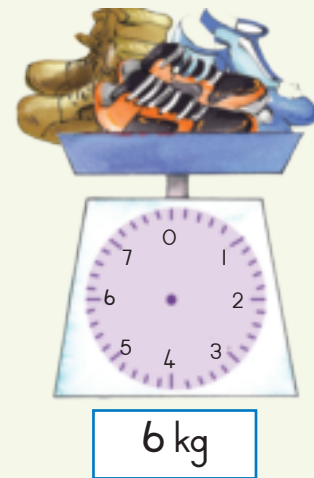
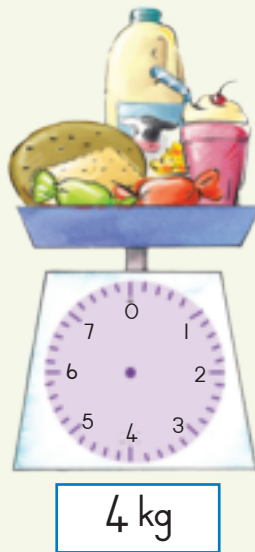
$$1\ 000\ g = 1\ kg$$

Kwesi sikali sesipringi, umgca ngamnye omncinane li-10 leegrem ubunzima. Itumato zinobunzima bama-320 beegrem.



## Zinzima kangakanani?

Zoba ukuba usiba lufanele ukuya ngaphi kwisikali ngasinye.



## Yenza ikhilogrem

Dibanisa ukuze wenze i-1 kg (1 000 g).

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



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Amanani ukusuka

## kuma-900 ukuya kwi-1 000

Ikota 4



Bala uze ubhale!

a. Sebenzisa le tshathi ilandelayo ikuncede ubale ukusuka kuma-900 ukuya kwi-1 000. Wabize amanani njengokuba ubala.

900



901		903							910
								919	
		943				948			
981									
991								999	

b. Bhala amanani angekhoyo kwigradi engasentla.

c. Bhala amanani ali-10 alandela ama-900.

900; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

d. Bhala amanani alandelayo asi-8 ngeepatheni zezi-2.

946; 948; 950; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

e. Bhala onke amanani ngeepatheni zezi-2 ukususela kuma-945 ukuya kuma-967.

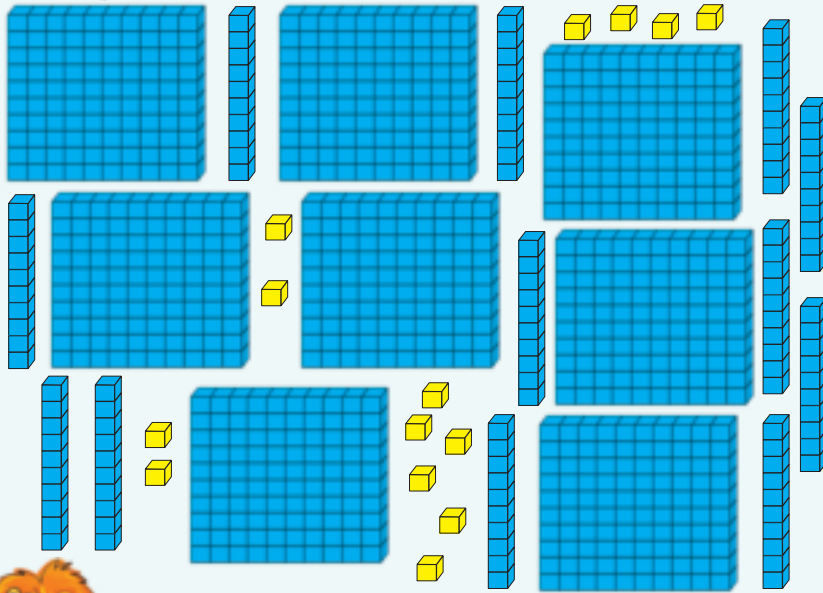
945; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; 967

f. Bhala amanani asi-8 ngepatheni yezi-5.

936; 941; 946; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Ubale iibloko ezingaphi?



Uzibale njani iibloko?



Gqibezela imigca-manani.

950			953				957	958		
							956	961	966	
					903	906	909			



Gqibezela itheyibhile.

Bhala ukususela kwelona lincinane ukuya kwelona likhulu.

Bhala ukususela kwelona likhulu ukuya kwelona lincinane

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



Bhala inani ngamagama.

695	
-----	--



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

## Amanye amanani aqala kuma-900 ukuya kwi-1 000

Ikota 4

U-Andile ebenamakhadi exabiso lendawo neebloko zamashumi.

Utitshala ucele u-Andile ukuba abonise ama-932 ngamakhadi neebloko zakhe.

UGugu ubonise oku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani uze uphendule.

$900 + 80 + 4 = 984$	<input type="text"/>	<input type="text"/>



Bhala isivakalisi samanani uze uphendule.

$900 + 90 + 9$ <input type="text"/> <input type="text"/>	$900 + 20$ <input type="text"/> <input type="text"/>	$900 + 8$ <input type="text"/> <input type="text"/>
--	--	---



## Gqibezela umgca-manani.

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

Ndinike onke amanani angaphantsi kunama-995. \_\_\_\_\_

Ndinike onke amanani amakhulu kunama-995. \_\_\_\_\_



## Fakela $<$ , $>$ okanye $=$ .

a. 999 \_\_\_\_\_ 998

b. 957 \_\_\_\_\_ 975

c.  $900 + 60 + 1$  \_\_\_\_\_ 961



## Calula inani lakho.

a. Yakha inani ngalinye ngekhadi ngalinye.

b. Bhala ixabiso lenani ngalinye. Ngoku yenza ezi: Calula inani lakho.

922	
959	
980	
907	
931	

Umzekelo: 984

900
80
4
984

984     $900 + 80 + 4$



## Bhala la manani ngamagama.

976	
905	
950	
821	
909	



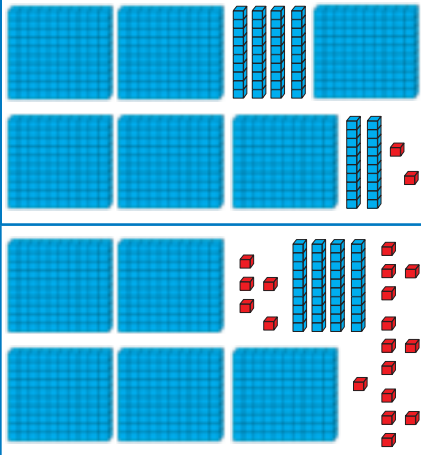
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

# Ukudibanisa nokuthabatha ukususela kuma-999

Ikota 4

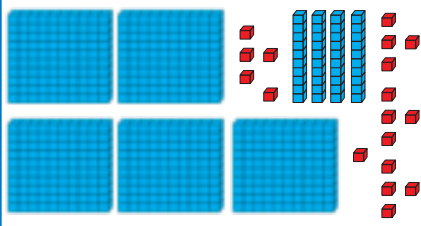


Bhala isivakalisi samanani ngesibalo ngasinye.



Chaza ukuba uzibale njani iibloko.

\_\_\_\_\_



Chaza ukuba uzibale njani iibloko.

\_\_\_\_\_



Sebenzisa umzekelo ukuze ukukhokele.

50	50	ama-50 aphinda-phindwe kabini li-100	300	300	
200	200		3	3	



Sebenzisa iziphinda-phindwa kabini ukuze usombulule okulandelayo. Umzekelo uza kukukhokela.

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



Sebenzisa iziphinda-iphinda kabini okanye iziphinda-iphinda ezisondeleyo usombulule oku kulandelayo. Sebenzisa umzekelo ukuze ukukhokele.

a. Phinda-iphinda kabini ama-340  
 $= 340 + 340$   
 $= \text{Phinda-iphinda kabini ama-340}$   
 $= 300 + 300 + 40 + 40$   
 $= 600 + 80$   
 $= 680$

b.  $340 + 341$   
 $= \text{Phinda-iphinda kabini ama-340} + 1$   
 $= 300 + 300 + 40 + 40 + 1$   
 $= 600 + 80 + 1$   
 $= 681$

c.  $470 + 470$

d.  $461 + 462$



Sombulula eli qhina:



Abafundi beBanga lesi-2 baqokelele amapetyu angama-360.

Abafundi beBanga lesi-3 banamapetyu ambalwa ngama-216 kunabeBanga lesi-2. Mangaphi amapetyu abafundi beBanga lesi-3?



## Malunga nendlu

Ikota 4



## Usuku lokubhaka.

UMakazi uPhindi ubhaka isonka e-ovenini yakhe.

Bonisa ixesha kwezi wotshi.

Ufaka isonka ngomkhono emva kwentsimbi yesi-4.

Ukhupha isonka ngemizuzu emihlanu emva kweyesihlanu.

Sibhakeke emva kwexesha elingakanani isonka? \_\_\_\_\_

Umama ka-Ann usebenzisa i-oveni yemakhroweyivu. Isebenza ngokukhawuleza kakhulu. Ngoku ixesha li-16:30. Jonga ixesha lokupheka elimiselwe kwiwotshi ye-oveni yemakhroweyivu.

Siza kulunga nini isonka? \_\_\_\_\_

I-oveni yemakhroweyivu ikhawuleza kangakanani kune-oveni yesitovu? \_\_\_\_\_ imizuzu.



## Imisebenzi yakusasa.



Kusasa ngoMgqibelo uMusa noPalesa bancedisa umama wabo endlwini.

Umsebenzi ngamnye uqhuba ixesha elingakanani?

	Ukuqalisa	Isiphelo	Ixesha elingakanani?
Ukwenza isidlo sakusasa	6:15	6:40	
Ukuhlamba izitya	7:20	8:05	
Ukucoca igumbi lokuphekela	8:20	9:15	
Ukucoca igumbi lokuhlambela	10:00	10:25	
Ukucoca amagumbi okulala	11:30	12:15	



## Nkcenkceshela isitiya.

Ithumbu lokunkcenkcesha linokusebenzisa iilitha ezinokufikelela kuma-30 zamanzi ngomzuzu omnye!

Ithumbu lamanzi linokusebenzisa iilitha ezingaphi zamanzi:

Ngemizuzu emi-2 \_\_\_\_\_ yeelitha.

Ngemizuzu emi-2  $\frac{1}{2}$  \_\_\_\_\_ yeelitha

Ngemizuzu emi-5 \_\_\_\_\_ yeelitha

Ngemizuzu eli-10 \_\_\_\_\_ yeelitha.



## Ikhari yokupheka.

UTata kaBabu wenza ikhari aze ayithengise. Kwiveki enye usebenzisa i-oyile engama-750 ml. Ubhala phantsi ukuba usebenzisa i-oyile engakanani ngosuku ngalunye.

ngoMvulo	ngoLwesibini	ngoLwesithathu	ngoLwesine	ngoLwesihlanu	ngoMgqibelo	ngeCawe
98 ml	122 ml	108 ml	117 ml	109 ml	135 ml	?

a. Zingaphi iimilitha (ml) ze-oyile azisebenzisayo ukusukela ngoMvulo ukuya kutsho ngeCawe?  
\_\_\_\_\_ ml

b. Zingaphi iimilitha (ml) ze-oyile azisebenzisayo ngeCawe? \_\_\_\_\_ ml

c. Ibhotile ye-oyile enye eziimilitha (ml) ezingama-750 ixabisa i-R18,50.

Ingaba iibhotile ezi-4 ziyimalini? \_\_\_\_\_.

Qwalasela!  
Thelekisa!  
Lungisa!



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

# Ukusebenza ngemali

Ikota 4



Bala imali eziinkozo nengamaphepha.

$10 \times \text{R1} = \text{R}10$	$20 \times \text{R1} = \text{R}20$	$50 \times \text{R1} = \text{R}50$	$100 \times \text{R1} = \text{R}100$
$10 \times \text{R2} = \text{R}20$	$20 \times \text{R2} = \text{R}40$	$50 \times \text{R2} = \text{R}100$	$100 \times \text{R2} = \text{R}200$
$10 \times \text{R5} = \text{R}50$	$20 \times \text{R5} = \text{R}100$	$50 \times \text{R5} = \text{R}250$	$100 \times \text{R5} = \text{R}500$
$10 \times \text{R10} = \text{R}100$	$20 \times \text{R10} = \text{R}200$	$50 \times \text{R10} = \text{R}500$	$100 \times \text{R10} = \text{R}1000$
$10 \times \text{R20} = \text{R}200$	$20 \times \text{R20} = \text{R}400$	$50 \times \text{R20} = \text{R}1000$	$100 \times \text{R20} = \text{R}2000$

$100 \times \text{R1} = \text{R}100$	$100 \times \text{R5} = \text{R}500$	$100 \times \text{R20} = \text{R}2000$
$100 \times \text{R2} = \text{R}200$	$100 \times \text{R10} = \text{R}1000$	



## Uhambo ngololiwe

UKgethi kunye nabantwana bakhe aba-3 bakhwela uloliwe.  
 Abantu abadala nabantwana babhatala imali efanayo.  
 UKgethi ubhatala ngale mali ingamaphepha.



Ufumana itshintshi engama-R30.

Liyimalini itikiti elinye? Phawula (✓) impendulo echanekileyo:

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

Qwalasela!  
Thelekisa!  
Lungisa!



## Isirhoxo sikaSandile

USandile ubhala phantsi yonke ingeniso yakhe kwithejibhile.

Uqala aqikelele, aze abale ingeniso yakhe yemihla ngemihla. Ingeniso yimali esiyifumanayo. Nceda uSandile agqibezele izibalo zakhe. Bhala iimpendulo kule thejibhile:

		Uqikelelo	Itotali
NgoMvulo	$R50 + R75 + R200 + R350 + R25$		
NgoLwesibini	$R25 + R175 + R50 + R320 + R90$		
NgoLwesithathu	$R50 + R75 + R200 + R350 + R25$		
NgoLwesine	$R120 + R55 + R180 + R245 + R25$		
NgoLwesihlanu	$R60 + R150 + R140 + R200 + R125$		
NgoMgqibelo	$R50 + R75 + R200 + R350 + R25$		
NgeCawe			



## Bala itshintshi.

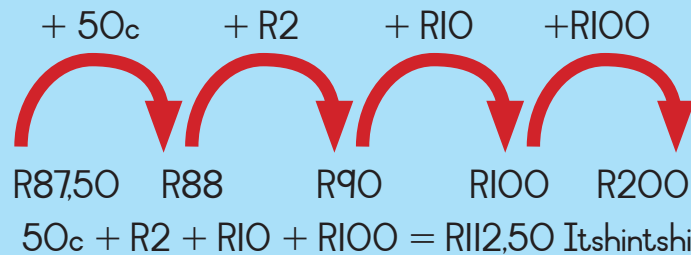
Ukuze ufumane itshintshi kufuneka udibanise kwixabiso lezinto ozithengileyo nakwimali engamaphepha oyibhateleyo.

Umzekelo:

UPalesa uthenga ukutya nge-R87,50.

Ubhatala nge-R200 eliphepha.

Yimalini itshintshi yakhe?



Sebenzisa imigca-manani ikuncede ukubala itshintshi.

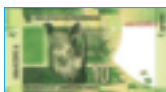
Ixabiso: R229,40

Ubhatala nge:



Ixabiso: R305,60

Ubhatala nge:



# Okunye ukudibanisa nokuthabatha ukuya kutsho kuma-999

Ikota 4



Masisombulule iqhina lesibalo.

UGugu uqokelele izitikha ezingama-234.  
UMandla umnike ezinye izitikha ngaphezulu ezingama-501.  
Zingaphi izitikha anazo zizonke?

Uthini umbuzo?  
Zingaphi izitikha anazo ngoku?

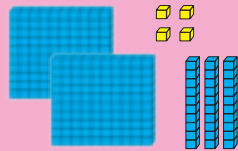
Leliphi igama elibalulekileyo? Ezinye ngaphezulu

Athini amanani? Ama-234 nama-501

Masibonise ngeebloko zamashumi.



ULisa uyisombulule ngale ndlela le ngxaki kaGugu.



U-Aakar wenze ngolu hlobo.  
Wenze umzobo.



Ibloko zamashumi ezimiswe nguLisa zifana njani nomzobo ka-Aakar?

Sebenzisa inani elikwingxaki engasezantsi ukuze uyisombulule ngokusebenzisa iindlela ezimbini uzifundileyo.

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



## Imisebenzi yakusasa.

UThemi uqokelela izinto ezinokuhlaziywa kwakhona zeprojekthi yesikolo.

Uqokelele iibhotile zeplastiki ezingama-624 neetoti ezingama-268.

Zingaphi izinto aziqokeleleyo?

Uthini umbuzo? \_\_\_\_\_

Athini amanani?	Leliphi igama elibalulekileyo? Phawula impendulo echanekileyo. Igama elibalulekileyo lisiyalela ukuba: <b>Sidibanise</b> <input type="text"/> <b>Sithabathe</b> <input type="text"/>
Bonisa ngomzobo.	Sombulula le ngxaki usebenzise eyakho indlela yokubala.

Ivenkile ibineepakethe zeswekile ezingama-900. Emva kokuba kuthengiswe ezinye iipakethe kuye kwashiyeka ezingama-659. Zingaphi iipakethe zeswekile ezithengisiweyo?

Uthini umbuzo? \_\_\_\_\_

Athini amanani?	Leliphi igama elibalulekileyo? Phawula impendulo echanekileyo. Igama elibalulekileyo lisiyalela ukuba: <b>Sidibanise</b> <input type="text"/> <b>Sithabathe</b> <input type="text"/>
Bonisa ngomzobo.	Sombulula le ngxaki usebenzise eyakho indlela yokubala.



# Okunye ukudibanisa nokuthabatha ukuya kuma-999

Jonga idayagramu uze uyichaze.

Ikota 4



Gqibezela oku kulandelayo:

- |                         |                          |
|-------------------------|--------------------------|
| a. $223 + 223 =$ _____. | e. $117 + 117 =$ _____.  |
| b. $160 + 160 =$ _____. | f. $450 + 450 =$ _____.  |
| c. $115 + 115 =$ _____. | h. $112 +$ _____ $= 224$ |
| d. $315 + 315 =$ _____. | g. $116 +$ _____ $= 232$ |

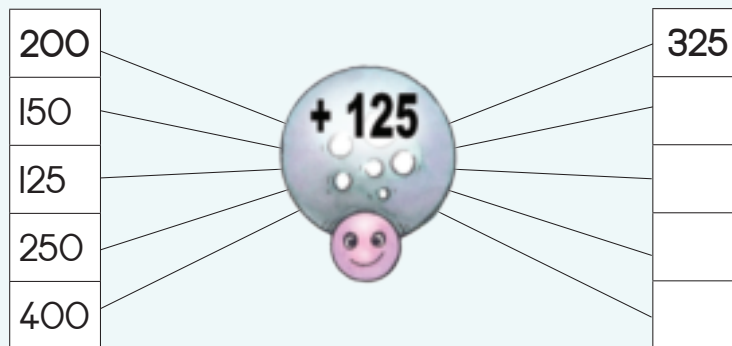


## Bhala amanani

- |  |                                       |
|--|---------------------------------------|
| a. i-12 ngaphezu kwama-523 lenza _____.    | e. 537 thabatha 29 _____.             |
| b. i-15 ngaphantsi kwama-540 lenza _____.  | f. isiqingatha sama-300 li- _____.    |
| c. ama-20 ngaphezu kwama-576 enza _____.   | g. ama-420 aphindwe kabini _____.     |
| d. ama-60 ngaphantsi kwama-590 enza _____. | h. isiqingatha sama-600 ngama- _____. |



## Dibanisa 125





## Lenziwa yintoni i-1000?

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

## Khangela iintsapho zamanani zoku+ noku-

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

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



Qwalasela!  
Thelekisa!  
Lungisa!

## Dibanisa uze uthabathe 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 apheleleyo (Iziphindwa ze-10)

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

Bala oku kulandelayo:

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


11   12   13   14   15   16   17   18   19   20

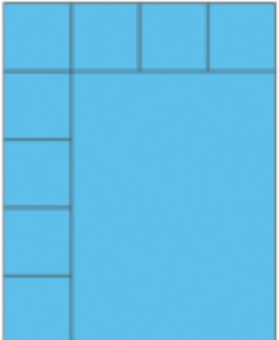


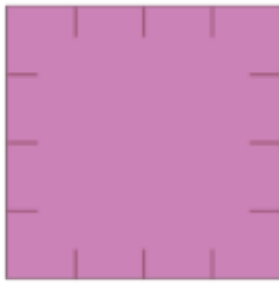
## Iiphazile zokulinganisa

Ikota 4



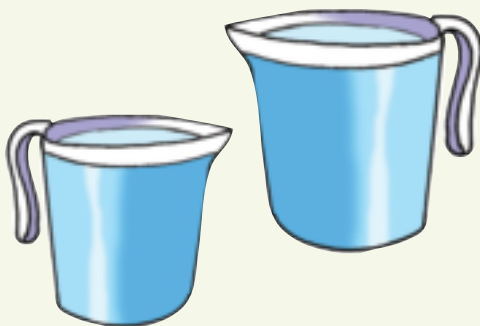
## Fumana ieriya

Zingaphi izikwere ezinobu bukhulu ezifunekayo ukuze zigqume umfanekiso ngamnye ngokupheleleyo?  Zicingele ngokwakho indlela onokubala ngayo. Ungazoba izikwere phezu kwemifanekiso ukuze ukwazi ukubala.

<p>a.</p>  <p>_____</p>	<p>b.</p>  <p>_____</p>
<p>c.</p>  <p>_____</p>	<p>d.</p>  <p>_____</p>



## Sombulula eli qhina



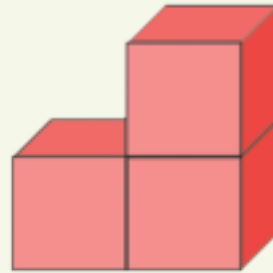
Ufuna ukulinganisa iilitha ezi-4 nqo zamanzi. Unezikhongozeli ezibini: esinye sithatha iilitha ezi-3 esinye sithatha ezi-5. Ungenza njani?

Umkhondo: zimbini iindlela onokwenza ngazo.



## Ubona ntoni?

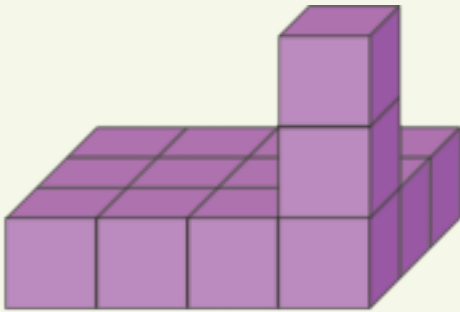
Kuncanyathiselwe iibloko ezintathu zadityaniswa kulo mfanekiso.



Ukuba uthatha iibhoko ezidityanisiweyo, zingaphi izikwere ozibalayo ngaphandle? \_\_\_\_\_



## Bala iityhubhu



Zingaphi iityhubhu ezenza le milo?  
\_\_\_\_\_



## Umngeni: iqhina lexesha

Imikhondo

Uneesanti ezimbini zokulinganisa ixesha. Enye ithatha imizuzu esi-7 nqo, ze enye ithathe imizuzu eli-11. Ungazisebenzisa njani ezi santi zokulinganisa ixesha xa ufuna ukuqonda ukuba iphele nini imizuzu eli-15?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Qwalasela!  
Thelekisa!  
Lungisa!



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

# Iipatheni zamanani: amashumi ukuya kuma-900

Masibale ngamashumi ukusuka kuma-810 ukuya kuma-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



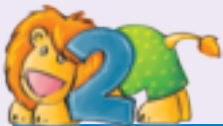
Amanani anezangqa asibonisa eziphi iipatheni?

Anezangqa ezibomvu: Sibala nge \_\_\_\_\_.

Bhala ipatheni: \_\_\_\_\_

Anezangqa eziluhlaza: Sibala nge \_\_\_\_\_.

Bhala ipatheni: \_\_\_\_\_



Bala.

a.  $874 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

b.  $858 - 10 - 10 - 10 - 10 = \underline{\hspace{2cm}}$

c.  $845 + 10 + 10 = \underline{\hspace{2cm}}$

d.  $858 - 10 - 10 - 10 = \underline{\hspace{2cm}}$

e.  $836 + 10 = \underline{\hspace{2cm}}$

f.  $866 - 10 - 10 = \underline{\hspace{2cm}}$

g.  $892 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

h.  $87 - 10 - 10 - 10 = \underline{\hspace{2cm}}$

i.  $880 + 10 + 10 = \underline{\hspace{2cm}}$

j.  $855 - 10 = \underline{\hspace{2cm}}$



## Zingaphi iinkuni?











Kukho iinkuni ezilishumi



enyandeni



- 1  = \_\_\_\_\_ iinkuni
- 2  = \_\_\_\_\_ iinkuni
- 3  = \_\_\_\_\_ iinkuni
- 4  = \_\_\_\_\_ iinkuni
- 5  = \_\_\_\_\_ iinkuni
- 6  = \_\_\_\_\_ iinkuni
- 7  = \_\_\_\_\_ iinkuni
- 8  = \_\_\_\_\_ iinkuni
- 9  = \_\_\_\_\_ iinkuni
- 10  = \_\_\_\_\_ iinkuni

- 10  = \_\_\_\_\_ iinkuni
- 20  = \_\_\_\_\_ iinkuni
- 30  = \_\_\_\_\_ iinkuni
- 40  = \_\_\_\_\_ iinkuni
- 50  = \_\_\_\_\_ iinkuni
- 60  = \_\_\_\_\_ iinkuni
- 70  = \_\_\_\_\_ iinkuni
- 80  = \_\_\_\_\_ iinkuni
- 90  = \_\_\_\_\_ iinkuni
- 100  = \_\_\_\_\_ iinkuni



## Imigca yeenkuni.

Kukho iinyanda zeenkuni ezilishumi emgcani = iinkuni ezili-100



Umgca o-1 weenyanda ezili-10 = ziinkuni ezili-100

$10 \times 10 = 100$

Imigca emi-2 weenyanda ezili-10 = ziinkuni ezi- \_\_\_\_\_

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

Imigca emi-4 weenyanda ezili-10 = ziinkuni ezi- \_\_\_\_\_

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

Imigca eli-10 weenyanda ezili-10 = ziinkuni ezi- \_\_\_\_\_

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



## Zingaphi iinyanda?

Iinkuni ezi-700 zenza iinyanda ezi- \_\_\_\_\_.

Iinkuni ezi-900 zenza iinyanda ezi- \_\_\_\_\_.

Iinkuni ezi-1 000 zenza iinyanda ezi- \_\_\_\_\_.



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

# Sondeza kwelona IO lisondeleyo

Ikota 4

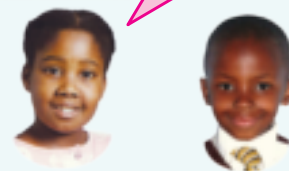
Kwiphepha elingaphambili lemisebenzi sifunde ngokusondeza okanye ukuweza. Jonga lo mgca-manani uze uchazele umhlobo wakho ukuba ungasondeza njani kwishumi elikufuphi.



Khumbula ukuba kufuneka ujonge imivo xa usondeza kwelona shumi likufuphi.

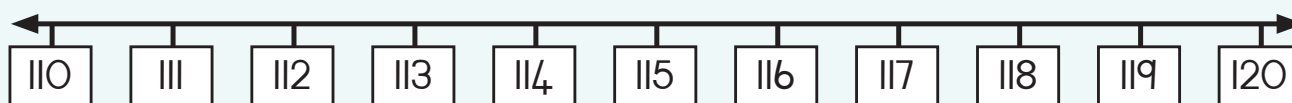


Sondeza kwelona shumi likufuphi.



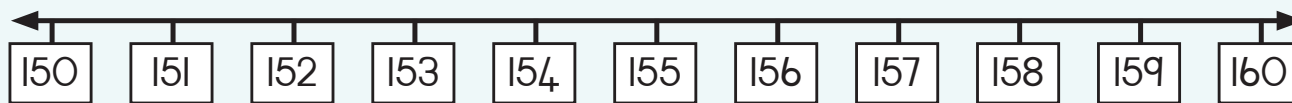
i-114 elisondeziweyo li- \_\_\_\_\_

i-117 elisondeziweyo li- \_\_\_\_\_



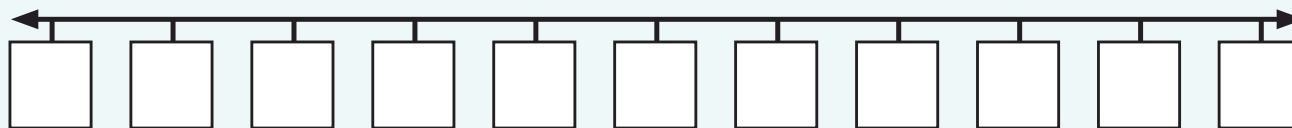
i-159 elisondeziweyo li- \_\_\_\_\_

i-151 elisondeziweyo li- \_\_\_\_\_

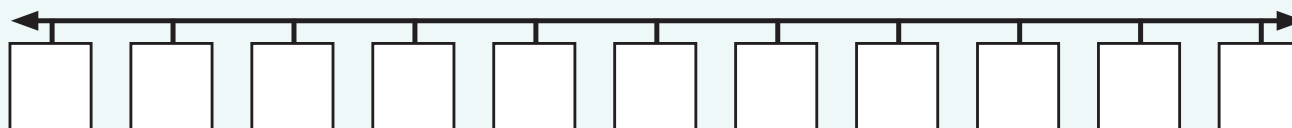


Sondeza kwelona shumi (10) likufuphi.  
Zenzele umgca-manani wakho.

195



945





## Sondeza kwi-10 elikufutshane.

Phambi kokuba usondeze inani:

- bhala phantsi ukuba liphakathi kwawaphi amashumi eli nani liza kusondezwa.
- bonisa ngotolo ukuba eli nani liza kusondezwa lindawoni na kumgca-manani.

a. Xa i-128 lisondezwa kwishumi elikufutshane liba li-130.



b. 877



c. 901



d. 566



e. 999



## Sondeza la manani alandelayo kwi-10 elikufutshane.

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

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



## Kufuneka ndibe nee-R10 ezingamaphepha ezingaphi?

UMbali nabahlobo bakhe abasi-8 baya kumbhiyozo wosuku lolonwabo esikolweni. Olu suku lolonwabo luhlawulelwa ii-R4 ngumntu ngamnye. UMbali ebezicinele imali waze waxelela abahlobo bakhe ukuba uza kubabhatalela. Waya kwi-ATM ukuya kukhupha imali.

I-ATM ikhupha imali engamaphepha kuphela?

Kufuneka abe nee-R10 ezingamaphepha ezingaphi?



Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

Umhla:

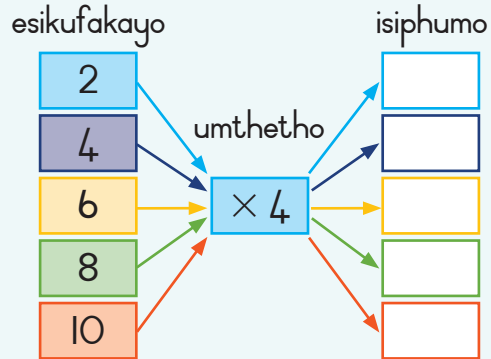
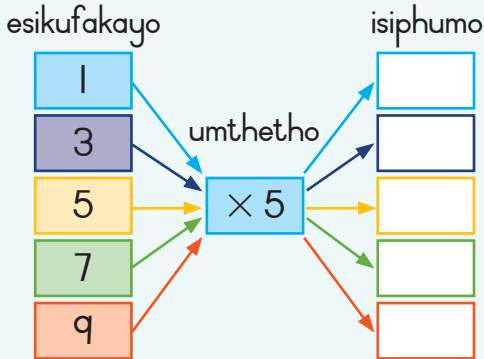
113

# Ukuphinda-phinda nokwahlula: izihlanu ukuya kwi-100

Ikota 4



Gqibezela izazobe zesigcawu.



Gqibezela itheyibhile engasezantsi:

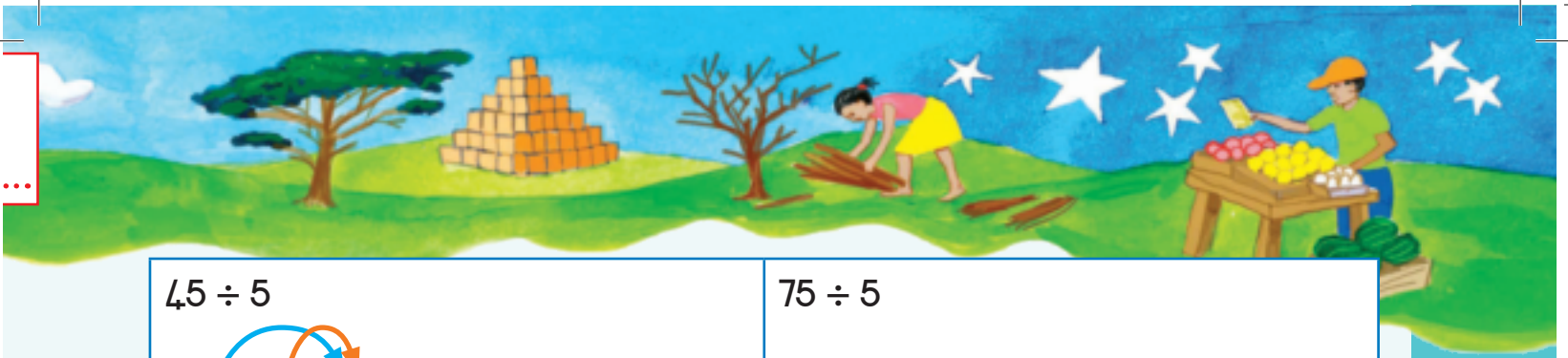
×	1	2	3	4	5	6	7	8	9	10
5										



Bala:

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





$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

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

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

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

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

$$13 \div 5$$

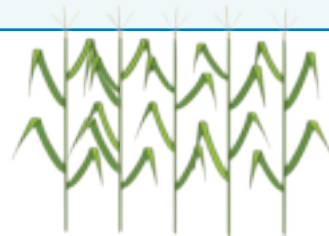


Bala ezi zibalo:

Igadi yemifuno inemiqolo eli-14 yezityalo.

Umqolo ngamnye unenani elilinganayo lezityalo.

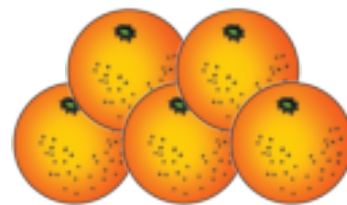
Ukuba kukho izityalo ezi-70, zingaphi izityalo ezikumqolo ngamnye?



UDavid uthengisa iingxowa ezineeorenji ezintlanu inye.

Uneeorenji ezingama-85.

Zingaphi iingxowa anokuzizalisa?



## Iipatheni zamanani: izihlanu ukuya kwi-1 000

Masibale ngezihlanu ukusuka kuma-805 ukuya kuma-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



Asibonisa eyiphi ipatheni amanani abiyelweyo?

Anezangqa ezizuba:	Ukubala nge _____.
Bhala ipatheni:	
Anezangqa ezimsobo:	Ukubala nge _____.
Bhala ipatheni:	



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 yamanani ukusuka kuma-901 ukuya kwi-1 000.

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



Fakela amanani angekhoyo.

Yintoni umahluko phakathi kwamanani aluhlaza namsobo akumgca omnye?



Gqibezela iipatheni.

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

Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



Umhla: \_\_\_\_\_

### Okunye ngoingano macala



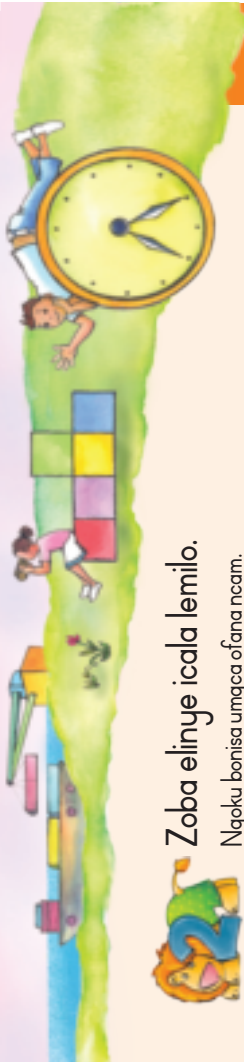
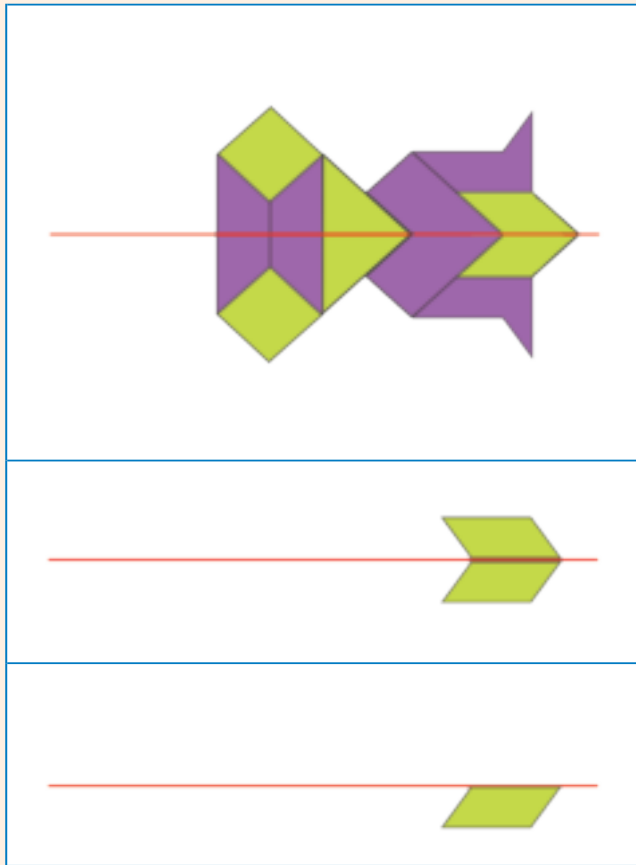
Ispili, isipili.



Dlala nomhlobo ngokusebenzisa enye yeeseti zeephazili zeethayili (enamaqhekeza ali-14) ethathwe kumsiko 10.

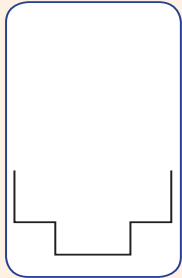
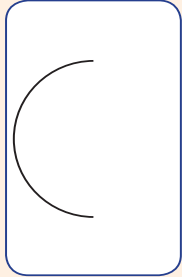
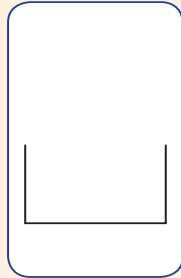
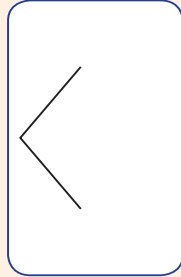
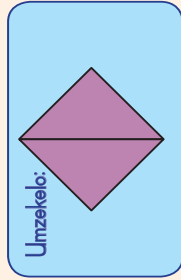
Umdlali ngamnye unesiqingatha samaqhekeza (amaqhekeza asi-7) eemilo zephazili ezithayili. Makungabikho maqhekeza angoomatwatotse.

Krwela umgca ehafini yephepha. Oku kungaba "ngumgca wesi-hunzi". Umdlali wokuqala ubeka elinye lamaqhekeza akhe ecaleni kumgca. Umdlali wesibini ngoku ubeka isithunzi salo kwelinye icala lomgca. Kufuneka lichukumise umgca okanye enye imilo esejubekiwe. Qhuba ade onke amaqhekeza asetjenziswe.

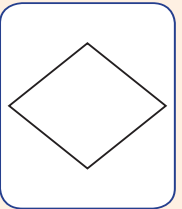
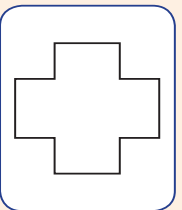
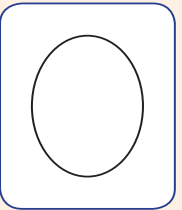
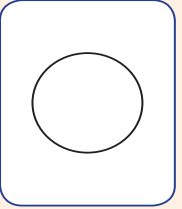
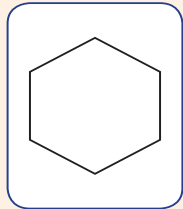
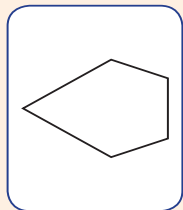
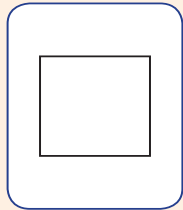
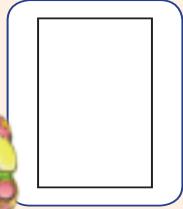


### Zoba elinye icala lemilo.

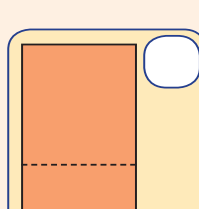
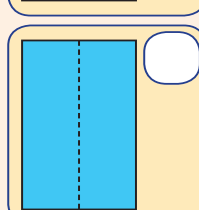
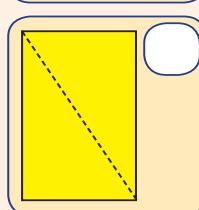
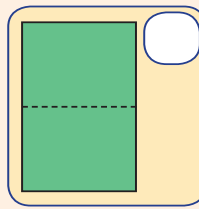
Ngoku bonisa umgca ofana ncam.



### Krwela imigca kamatwatotse kwezi milo zilandelayo:



### Phawula (✓) iimilo ezinemigca echanekileyo kamatwatotse.



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

Iipatheni zamanani:

izibini ukuya kuma-900

Masibale ngezihlanu ukusuka kuma-802 ukuya kuma-900.

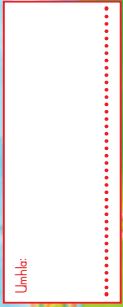
801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876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

Asibonisa eyjhi ipatheni amanani abiyelweyo?

Anezangqa ezizuba:	Ukubala nge _____.
Bhala ipatheni:	_____
Akwikhohlamu eziluhlaza:	Ukubala nge _____.
Bhala ipatheni:	_____

Bala.

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



Iminqakathi noonombini.

a. Bhala u-(X) ecaleni kwenani elingumqakathi ne-(✓) ecaleni kwenani elingunombini.

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

b. Phendula uthi ngunombini okanye ngumqakathi.

- Dibanisa amanani amabini ayiminqakathi. Ufumana inani eli \_\_\_\_\_.
- Dibanisa amanani amabini angoonombini. Ufumana inani eli \_\_\_\_\_.
- Dibanisa amanani amathathu ayiminqakathi. Ufumana inani eli \_\_\_\_\_.

Ukutyala imithi.

Le yenye indlela yokutyala imithi engama-48 kwimiqolo elinganayo.



Singabhala oku:  $2 \times 24 = 48$  (imiqolo emi-2 yemithi engama-24 = 48) okanye  $48 \div 2 = 24$  (imithi engama-48 etyalwe kwimiqolo emi-2 elinganayo inika imithi engama-24 kumqolo omnye). Bala imiqolo kunye nemithi kumfanekiso ngamnye ongezantsi. Bhala isivakalisi samanani soku-X no  $\div$  ukuze utshatise.

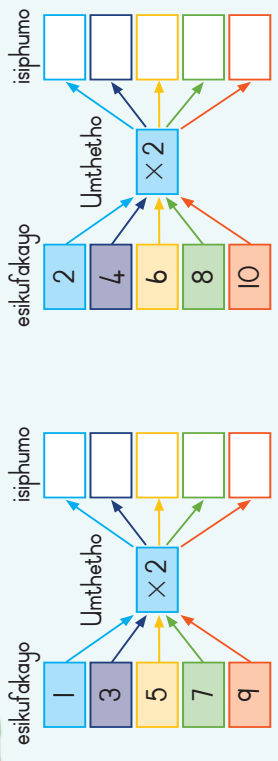
a.	$\times$ _____ = _____	$\div$ _____ = _____	
b.	$\times$ _____ = _____	$\div$ _____ = _____	
c.	$\times$ _____ = _____	$\div$ _____ = _____	
d.	Fumana enye indlela yokutyala imithi engama-48 kwimiqolo.	$\times$ _____ = _____	$\div$ _____ = _____
e.	Fumana enye indlela yokutyala imithi engama-48 kwimiqolo.	$\times$ _____ = _____	$\div$ _____ = _____

Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

**Ukuphinda-phinda nokwahlula:**  
izibini ukuya kwi-100



Gqibezela izazobe zesigcawu.



Gqibezela itheyibhile engasezantsi:

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



Bala:

$12 \times 2$	$11 \times 2$
$= (10 + 2) \times 2$ $= 20 + 4$ $= 24$	
$18 \times 2$	$22 \times 2$
$= (10 + 8) \times 2$ $= 20 + 16$ $= 20 + 10 + 6$ $= 36$	

Umhle: .....

$46 \div 2$ $= (40 + 6) \div 2$ $= (40 \div 2) + (6 \div 2)$ $= 20 + 3$ $= 23$	74 ÷ 2
$47 \div 2$ $= (40 + 7) \div 2$ $= (40 \div 2) + (7 \div 2)$ $= 20 + 3 \text{ ints } 1$ $= 23 \text{ ints } 1$	75 ÷ 2



Bala ezi zibalo:

Istitiya semifuno sinemqolo ngama-32 yezityalo.

Umqolo ngamnye unezityalo ezi-2.

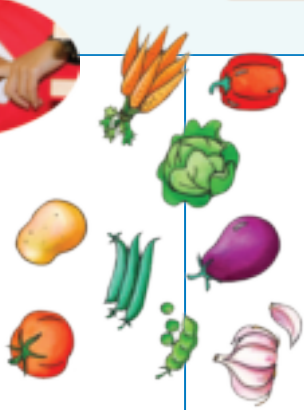
Zingaphi izityalo ezisessitiyeni?

Istitiya semifuno sinemqolo ngama-40 yezityalo.

Umqolo ngamnye unenani elilinganayo lezityalo.

Ukuba kukho izityalo ezingama-80, zingaphi izityalo ezikumqolo ngamnye?

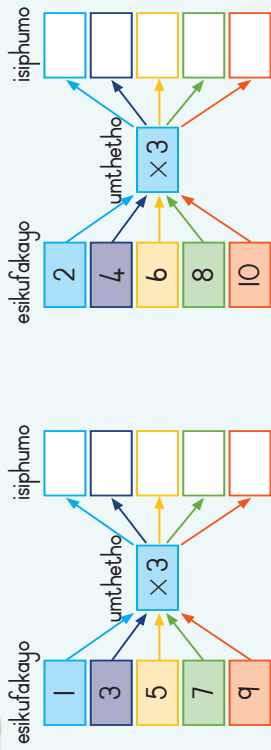
Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



Umhla: \_\_\_\_\_

### Ukuphinda-phinda nokwahlula: izithathu ukuya kwi-100

Gqibezela izazobe zesigcawu.



Gqibezela itheyibhile engasezantsi:

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

Bala:

$$12 \times 3 = (10 + 2) \times 3 = 30 + 6 = 36$$

$$17 \times 3 = (10 + 7) \times 3 = 30 + 21 = 30 + 20 + 1 = 51$$



Bala ezi zibalo:

UMandisa uneeleke ezingama-30.

Eli nani liziphinda kalishumi anazo uJabu.

Zingaphi iilekese anazo uJabu?

Igadi yemifuno inemiqolo engama-29 yezityalo.

Umaqolo ngamnye unezityalo ezi-3.

Zingaphi izityalo ezisegadlini?



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

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



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

## Iipatheni zamanani:

izithathu ukuya kwi-1000

Ikota 4

Masibale ngezithathu ukusuka kuma-803 ukuya kuma-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

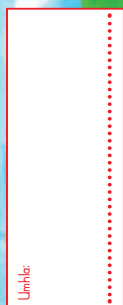
Amanani anezangqa asibonisa eyiphi ipatheni?

Anezangqa ezionenji:	Ukubala nge _____.
Bhala ipatheni:	_____.
Anezangqa eziluhlaza:	Ukubala nge _____.
Bhala ipatheni:	_____.



Bala.

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



Ubhe

Ibhodi yamanani

ukusuka kuma-901 ukuya kwi-1000

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



Fakela amanani angekhoyo.

Fakela umbala oluhlaza kwiibloko zamanani ashiyiweyo. Fakela umbala abomvu kwiibloko ezimhlophe ezinamanani. Yejiphi ipatheni oyibonayo?



Gqibezela ipatheni.

- a. Dibanisa izithathu ezi-4 kuma-981. 984, 987, 990, 993  
 b. Dibanisa izithathu ezi-5 kuma-973. \_\_\_\_\_  
 c. Thabatha izithathu ezi-4 kuma-975. \_\_\_\_\_  
 d. Thabatha izithathu ezi-3 kuma-947. \_\_\_\_\_  
 e. Dibanisa izithathu ezi-2 kuma-932. \_\_\_\_\_

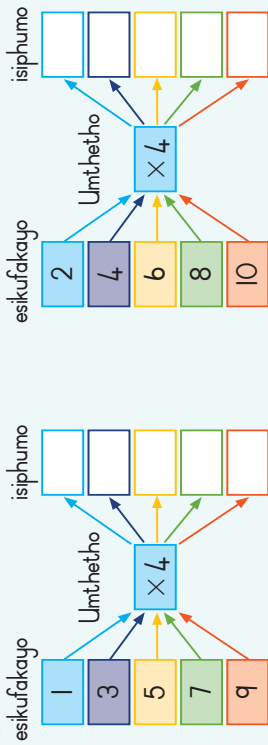


Teacher:	_____
Sign:	_____
Date:	_____

Umhla: .....

# Ukuphinda-phinda nokwahlula: izine ukuya kwi-100

Gqibezela izazobe zesigcawu.



Gqibezela itheyibhile engasezantsi:

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

Bala:

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

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



$$64 \div 4$$

$$48 \div 6 = (40 + 8) \div 4 = (40 \div 4) + (8 \div 4) = 10 + 2 = 12$$

$$49 \div 4$$

$$45 \div 4 = (40 + 5) \div 4 = (40 \div 4) + (5 \div 4) = 10 + 1 \text{ ints } 1 = 11 \text{ ints } 1$$



Bala ezi zibalo:

UTony unelekele ezingama-36.

Utya ilekese ezi-4 ngemini.

Uza kutya ilekese iintsuku ezingaphi?

UDavid uthengisa iipakethe ezineorenji ezine inye.

Uneorenji ezingama-88.

Angazalisa iipakethe ezingaphi?



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

## Iipatheni zamanani: izine ukuya kwi-1 000

Masibale ngezine ukusuka kuma-804 ukuya kuma-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

## Amanani anezangqa asibonisa eziphi iipatheni?

Anezangqa eziluhlaza:	Ukubala nge _____.
Bhala ipatheni:	_____.
Anezangqa ezimsobo:	Ukubala nge _____.
Bhala ipatheni:	_____.



- 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.  $803 + 4 + 4 + 4 =$  \_\_\_\_\_      j.  $83 - 4 =$  \_\_\_\_\_      i.  $847 - 3 - 3 - 3 =$  \_\_\_\_\_

## Ibhodi yamanani ukususela kuma-901 ukuya kwi-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

## Fakela amanani angekhoyo.

Fakela umbala oluhlaza kwiibloko zamanani angekhoyo. Fakela umbala obomvu kwiibloko ezimhlophe ezinamanani. Ubona eziphi iipatheni?



## Gqibezela iipatheni.

- a. Dibanisa izine ezi-4 kuma-980.      984, 988, 992, 996  
 b. Dibanisa izine ezi-5 kuma-971.      \_\_\_\_\_  
 c. Thabatha izine ezi-4 kuma-963.      \_\_\_\_\_  
 d. Thabatha izine ezi-3 kuma-927      \_\_\_\_\_  
 e. Dibanisa izine ezi-2 kuma-938.      \_\_\_\_\_



Iinxalenye

ezilinganayo zento epheleleyo



Isiqingatha esinye, nokuba sisikwe njani.



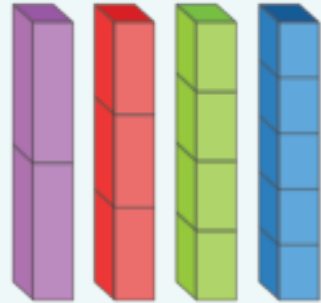
Sika iingxande kwiphepha elinemibala (kuMisiko II).

Funa iindlela ezahlukileyo zokwenza isiqingatha esinye.

1. Songa uxande oliphepha ehafini ngokobude balo. Lisike ehafini kule ndawo lisongwe kulo. Inxalenye nganye yephepha ilingana nenywe. Inxalenye nganye isiqingatha (yihafu  $\frac{1}{2}$ ) soxande lwakuqala.
2. Songa elinye iphepha ehafini ngokuxwesileyo. Lisike ehafini kule ndawo lisongwe kulo. Inxalenye nganye ilingana nenywe. Inxalenye nganye isiqingatha sephesha lokuqala.
3. Yeyiphi enye indlela yokwahlula iphepha libe ziinxalenye ezimbini ezilinganayo? Sebenzisa isikere nephepha uzame oku, uze uzobe emgceni osongwe kuwo waza wasika.



Ezinye iinxalenye ezilinganayo zento epheleleyo



- Xa sisahlula into ibe ziinxalenye ezi-2 ezilinganayo, ezo nixalenye sizibiza ngokuba ziziqingatha okanye iihafu.  
 Xa sisahlula into ibe ziinxalenye ezintathu ezilinganayo, ezo nixalenye sizibiza ngokuba zizithathu.  
 Xa sisahlula into ibe ziinxalenye ezine ezilinganayo, ezo nixalenye sizibiza ngokuba zizine okanye iikota.  
 Xa sisahlula into ibe ziinxalenye ezilinganayo ezintlanu, ezo nixalenye sizibiza ngokuba zizihlanu.

Unita: \_\_\_\_\_

Amaqebengwane esonka esidlo sasemini.

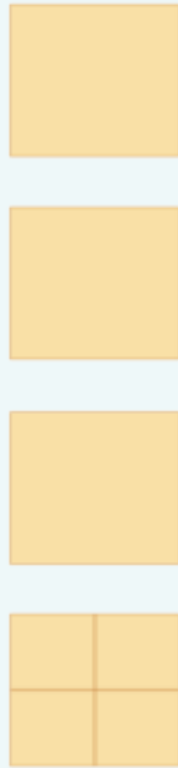


UThabo nabahlobo bakhe benza izonka ezininzi zesidlo sasemini.

Bazisika zibe zizine okanye iikota.

Oku kuthetha ukuba bazisika zibe ngamaqhekeza amane alinganayo.

Nantsi enye indlela. Bonisa ezinye iindlela ezi-3 ongakwenza ngazo oku.



Ukwahlula ibe zizine.

Qwalasela! Thelekisa! Lungisa!

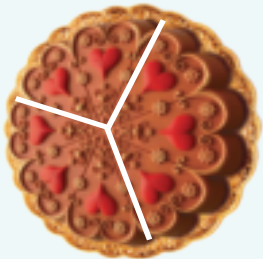
Xa sisika into ibe ziiikota ( $\frac{1}{4}$ ), siyahlula ibe ziinxalenye ezine ezilinganayo.

Phawula (✓) imifanekiso engezantlasi ebonisa iikota okanye izine.

Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

Izibalo zamaqhezu

Xoxa ngamaqhezu nabahlobo bakho,



Sombulula ngokunika iimpindulo zale mibuzo nangokuzoba imifanekiso.

a. Umaqeshi webhola yomnyazi unika umdlali isiqingatha seorenji. Kukho abadlali abali-14.

Zingaphi iorenji ezifunekayo? \_\_\_\_\_

Uthini umbuzo? \_\_\_\_\_

Ngawaphi amanani okanye amaqhezu akwesi sibalo? \_\_\_\_\_

Leliphi igama eliphambili? \_\_\_\_\_

Zoba umfanekiso. \_\_\_\_\_



Igama eliphambili ligama eliza kundiceka ekukhetheni izibalo esichanekileyo.

Ithini impindulo? \_\_\_\_\_

Umhla:

b. Umama wam unika mna nabahlobo bam dbali-11 ikota yeapile umntu emnye.

Kufuneka abe nama-apile amangaphi? \_\_\_\_\_

Ngawaphi amanani okanye amaqhezu kwesi sibalo? \_\_\_\_\_

Leliphi igama eliphambili? \_\_\_\_\_

Zoba umfanekiso. \_\_\_\_\_



Ithini impindulo? \_\_\_\_\_

c. Kwitheko lasesikalweni bebethengisa iikejiki ezisikwe zangamaqhekeza amathathu inye.

Kuthengiswe iqhezu kubantu abangama-24.

Zingaphi iikejiki ezithengisiweyo? \_\_\_\_\_

Ngawaphi amanani okanye amaqhezu akwesi sibalo? \_\_\_\_\_

Leliphi igama eliphambili? \_\_\_\_\_

Zoba umfanekiso. \_\_\_\_\_



Ithini impindulo? \_\_\_\_\_



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_



### Izinto ezinemilinganiselo engu-3-D

Jonga imifanekiso.

Leliphi iqela elibonisa iibhola, isilinda neebhokisi.

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

Khangelwa imifanekiso emibini yento nganye uze uyincamatshelise ngezantsi.

--	--

Krwela umgca kwimpendulo echanekileyo.

- Itumato imile okwebhola/bhokisi/silinda.
- Igilasi yokusela imile okwebhola/bhokisi/silinda.
- Incwadi imile okwebhola/bhokisi/silinda.



Ethe tse negobileyo.

Ezinye izinto ezinqinileyo zinemphezulu emcaba. Ezinye zinemphezulu egobileyo.

<p>Isilinda ineembo ezimbini ezimcaba nobuso obunye obugobileyo.</p>	<p>Ikhawuni inobuso obunye obumcaba nobunye obugobileyo.</p>	<p>Isangqa sigobe macala onke.</p>
--	--	------------------------------------

Iyagqengeleka

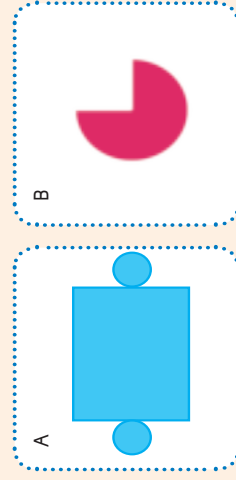
Cinga ngendlela enokuqengeleka ngayo isilinda, ikhawuni okanye isangqa.

Kwezi zinto zingu-3, yeyiphi:

a. Engenakuqengeleka kude?	
b. Enokuqengeleka emgweni othe tye?	
c. Enokuqengeleka nakweliphi icala?	

Yintoni inethi?

Imilo emcaba enokusongeka yenze imilo eqinileyo ibizwa ngokuba yinethi.



Bhala unobumba wenethi enokusongwa ibe yikhawuni \_\_\_\_\_

Bhala unobumba wenethi enokusongwa yenze isilinda \_\_\_\_\_

Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

Umhlo: \_\_\_\_\_

### Amanye amaqhezu

Xela amaqhezu.

Bhala iqhezu lomfanekiso ongasezantsi.

a. Umbala obomvu ulelphi iqhezu? _____	b. Umbala oluhlaza ulelphi iqhezu? _____
c. Umbala ozuba ulelphi iqhezu? _____	d. Umbala omthubi ulelphi iqhezu? _____



### Phendula imibuzo.

- USizwe unamaqhekeza amane etshokolethi. Unika umhlabo wakhe iqhekeza elinye. Liqhezu lini letshokolethi elishiyekileyo? \_\_\_\_\_
- UYasmin unesebenjini ezimbini. Wabelana noAnn ngeorenjini enye. Lelelphi iqhezu analo elishiyekileyo? \_\_\_\_\_
- UMaria uthenga iitshokolethi ezi-5. Uziginela e-1, anike uMohamed ezi-2 umnakwabo ezi-2. Liqhezu lini azigcinele lona uMaria? \_\_\_\_\_

### Udonga lwamaqhezu

Color bars: Red, Orange, Yellow, Blue, Green, Purple, Light Green.

Measurement bars: Each bar is divided into 12 equal segments, with a vertical line and the number '12' at the end of each bar.

Umgca ngamnye wahlulwe wazizintlu ezilinganayo. Umgca ongasezantsi wahlulwe waziinxenye zeshumi elimbini ( $\frac{1}{2}$ ).

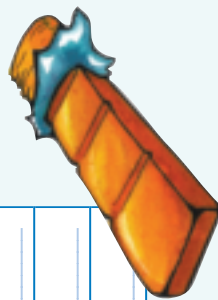
Phawula eminye imigca ngeqhezu elichanekileyo.

Sebenzisa irula yakho okanye isiphelo sephepha esithe tye ukuze ufumane ukuba ngawaphi na amaqhezu alinganayo; nokuze ikuncede ekuphenduleni imibuzo.

Kolu donga lwamaqhezu, khangela zonke iindlela ezahlukeneyo ongenza ngazo oku:

- isiqingatha  $\frac{1}{2}$
- into enye (1) epheleleyo
- ilikota ezintathu  $\frac{3}{4}$

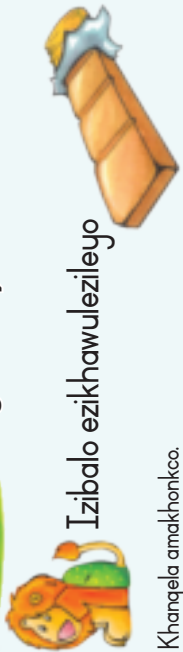
Qwalasela! Thelekisa! Lungisa!



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

Umhla: .....

### Okunye ukuqukanisa nokwabelana



#### Izibalo ezikhawulezileyo

Khangela amakhonkco.

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



#### Yaba okushiyelekileyo

UJabu nol'abo bafuna ukwabelana ngamaqhekeza etshokolet'hi ali-13. Uza kufumana amaqhekeza amangaphi emnye?



Bangahlulelana ngezikwere ezili-12 ezipheleleyo, emnye afumane amaqhekeza amathandathu. Iqhekeza elishiyelekileyo balahlula ehafini, ngoko ke emnye unamaqhekeza ama-6 1/2.



a. Epatini abantwana aba-10 bahlulelana ngemicu engama-25 yeelekese. Yahlula ngokulinganayo. Zoba imifanekiso ikuncede.



Emnye ufumana imicu e \_\_\_\_\_.

b. Yabela abantwana aba-4 ilekese ezingama-37.

Emnye ufumana imicu e \_\_\_\_\_.

c. Yahlulela abantwaba aba-5 imicu yeelekese ezingama-48

Emnye ufumana imicu e \_\_\_\_\_.

d. Yahlulela abantwana aba-10 imicu engama-73.

Emnye ufumana imicu e \_\_\_\_\_.



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_






Umhla: \_\_\_\_\_

## Amaqhezu ethengremu

Iithengremu yiphazile yamaTshajina yakudala eyenziwe ziimilo ezi-7 ezimcaba ezibizwa ngokuba zitheni, ezithi xa zidituganisiwe zenze iimilo ezahlukeneyo.



### Amaqhezu dkwithengremu

	Jonga iphazile yethengremu. Unxantathu ngamnye omkhulu kwaba babini ulelphi iqhezu lesikwere esipheleleyo? (Upinki kulo mfanekiso)	_____
	Ukuba usonga unxantathu omnye kwaba bakhulu abe ziinxalenye ezimbini ezilinganayo, isiqwenga ngasinye silingana nonxantathu ophakathi (umthubi emfanekisweni). Unxantathu ophakathi ulelphi iqhezu lesikwere?	_____
	Ukuba usonga unxantathu ophakathi abe ziinxalenye ezimbini ezilinganayo, inxalenye nganye ilingana nooxantathu ababini abancinci. (baluhlaza emfanekisweni). Unxantathu ngamnye omncinci ulelphi iqhezu lesikwere esipheleleyo?	_____
	Ungadibanisa ooxantathu ababini abancinci ukwenza isikwere esincinci. Isikwere esincinci silelphi iqhezu lesikwere esipheleleyo (sizuba emfanekisweni)?	_____
	Ungadibanisa ooxantathu ababini abancinci wenze ipharalelogram. Ipharalelogram ilelphi iqhezu lesikwere esipheleleyo?	_____



### Ukusebenzisa ithengremu.

Sika iithengremu ezimbini kumsiko 12 uze uphawule iqhekeza ngalinye ngeqhezu lalo lesikwere esipheleleyo. (Ezi ziimilo zeithengremu yakugqala.)

Bhala igama lakho ngemva kweqhekeza ngalinye ukuze ufumane iqhekeza lakho ukuphela komdlalo.

- 1 2 3 4 5 6 7 8 9 10

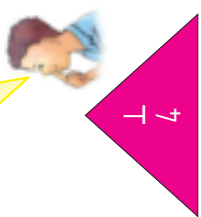


## Umdlalo wamaqhezu wezabelo ezilinganayo.

Dlala nabadlali aba-4, ukuqg kwaba-8 usebenzise amaqhekeza ethengremu.

- Abadlali bayatshintshiselana ukuba ngumthengisi.
- Umtengisi wenza isigqibo malunga neqhezu lethengremu eliza kufakwa ngumdlali ngamnye engxoweni.
- Umdlali uyagqashisela ukuba ukhokho lwemali luza kuvelisa intloko okanye umsila, aze umthengisi ajule imali phezulu.
- Umtengisi wabela abo baqashisele kakuhle okusengxoweni ngokulinganayo. (Kungafuneka athengise iqhekeza elinye okanye ngaphezulu ukuze afumane amaqhekeza exabiso elilinganayo)
- Intsalela ekhoyo engenakwabiwa ihlala engxoweni ilindele umjikelo olandelayo.
- Bonke abadlali baqagqalasele ukuze babone ukuba ngaba kwabiwa ngendlela efanelekileyo na.
- Ukuba umdlali ufumana impazamo, umthengisi ubhatala isohlwayo se-1/8 sesikwere esipheleleyo kumdlali othe wayiqaphela kuqala loo mpazamo.
- Umdlali ongenawo amaqhekeza angathatha kwaseleyo engxoweni.

Kufuneka wonke umntu afake ikota yeseti yethengremu esekiweyo engxoweni.



Ndiza kufaka unxantathu omkhulu abe mnye.



Izibhazo ezibini zilingana nesine esinye. Ndingafaka isikwere kunye nepharalelogram.



- Umdlalo uyacqhubeka bade bonke abadlali babe ngabathengisi.



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

- 11 12 13 14 15 16 17 18 19 20

Umhla: .....

### Ukulinganisa umthamo

Sebenzisa isikhongozelo sebhotele yepulasitiki nekomituyi.

Ucinga ukuba zingaphi iikomituyi ezinokuzalisisa esi sikhongozelo? Akunyanzelekanga ukuba uxelele iilit ha okanye iimililit ha. Sebenzisa kuphela amagama athi 'ikomituyi' ; 'ibhotile'.

Ikomituyi (250 ml)

Isikhongozelo esijilitha enye

### Yenza iilit ha.

Fumana indlela yokwenza iilit ha ngokusebenzisa imithamo eyahlukeneyo yolwelo. Bhala isivakalisi samanani kwindlela nganye.

Isivakalisi samanani:  $500\text{ ml} + 500\text{ ml} = 1000\text{ ml (1 l)}$



Isivakalisi samanani = 1000 ml (1 l)

Isivakalisi samanani = 1000 ml (1 l)

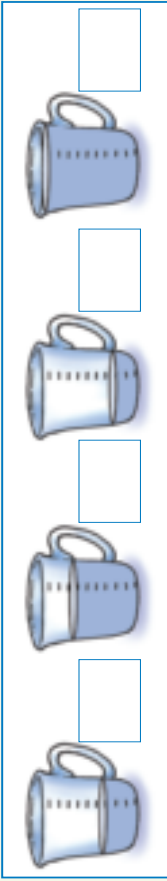
Isivakalisi samanani = 1000 ml (1 l)

Isivakalisi samanani = 1000 ml (1 l)

Xa sibhala iisimboli zemetriki, sishug isithuba esincinci phakathi kwenani lokugqibela kunye nesimboli. Umzekelo sibhala 3 l asibhali 3l; 299 g hayi 299g; 15 km hayi 15km.

### Yintoni ivolyumu yekomituyi nganye ezaliswayo?

Eli cephe lizalise iikomituyi yafika kumlinganiselo wokuqala.



Silinganisa imithamo emincinci yolwelo ngeemililit ha (ml).

Le komituyi yokulinganisa iyeza iqulathha i-10 ml elingana malunga neetisipuni ezimbini.

Imithamo emikhulu sijilinganisa ngeelitha (l).

Ziliwaka iimililit ha ezenza iilit ha.

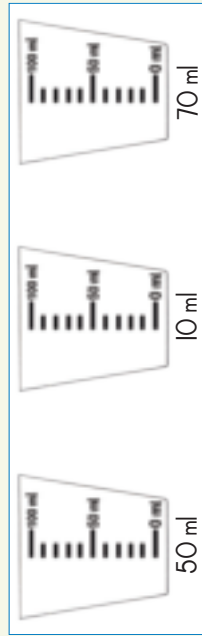
### Lulwelo olungakanani?

Zingaphi ii-ml zolwelo ezikvijagi nganye?



### Lulwelo olungakanani?

Faka umbala kwikomituyi zama yeza ubonise umthamo okwikomituyi nganye.



Umthamo wekomituyi i-10 ze ivolyumu yekomituyi ezaliswayo ibe ngu-1.



Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

### Linganisa uze ugalele

#### Emdlalweni

Ngexesha lekhefu umdlali ngamnye usela  $i-\frac{1}{4}$  yelitha yejusi.

- a. Bangaphi abadlali abanokwabelana? \_\_\_\_\_  
 ngeelitha e-1 \_\_\_\_\_ ngeelitha ezi-4 \_\_\_\_\_ ngeelitha ezi-2  $\frac{1}{2}$  \_\_\_\_\_
- b. Kufuneka babe nejusi engakanani? \_\_\_\_\_  
 kubadlali abasi-8 \_\_\_\_\_ kubadlali abasi-9 \_\_\_\_\_ kubadlali abali-12 \_\_\_\_\_

#### Iilitha neemililitsha (ml)

iilitha e-1 = 1000 ml     $i-\frac{1}{2}$  yelitha = \_\_\_\_\_ ml     $i-\frac{1}{4}$  yelitha = \_\_\_\_\_ ml  
 125 ml = \_\_\_\_\_ yelitha    50 ml = \_\_\_\_\_ yelitha

#### Yenza isiqingatha selitha

Phawula (✓) imithamo emi-3 eyenza isiqingatha selitha.

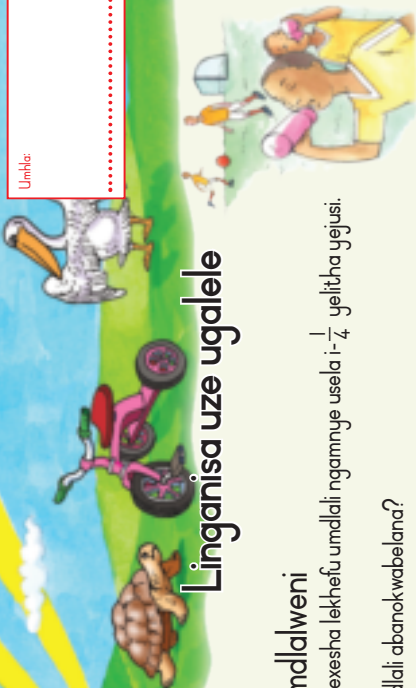
120 ml	140 ml	160 ml	28 ml	240 ml

#### Ubisi lukulungele!

Yaba iilitha ezi-4 zobisi phakathi:

- a. Kwabantwana abasi-8. Umntwana ngamnye ufumana iilitha ezi- \_\_\_\_\_  
 b. Kwabantwana abali-16. Umntwana ngamnye ufumana iilitha ezi- \_\_\_\_\_  
 c. Kwabantwana abali-12. Umntwana ngamnye ufumana iilitha ezi- \_\_\_\_\_

Umhle: \_\_\_\_\_



#### Ivenkile yejusi kaBongi

Kwijagi e-1 uBongi usebenzisa ikota enye ( $\frac{1}{4}$ ) yekomityi yejusi neekomityi ezi-2 zamanzi.

Bala ukuba uBongi usebenzisa ijusi namanzi angakanani kwijagi ezi-5 zejusi.

Ijagi	1	2	3	4	5
Iikomityi zejusi	Ikota ( $\frac{1}{4}$ )				
Iikomityi zamanzi	2				

#### Yenza ilitha

--	--	--	--	--

Zizikhongozelo ezingaphi kwisikhongozelo ngasinye ezenza ilitha enye?

- a. \_\_\_\_\_  $\times$  100 ml    b. \_\_\_\_\_  $\times$  200 ml    c. \_\_\_\_\_  $\times$  250 ml  
 d. \_\_\_\_\_  $\times$  500 ml    e. \_\_\_\_\_  $\times$  50 ml



#### Emva kwethoko.

Itheko lika Thandi liphumile. Kukho iziselo ezishiyekileyo.

Ingakanani ijusi emthubi eshiyekileyo? \_\_\_\_\_

Ingakanani ijusi emsobo eshiyekileyo? \_\_\_\_\_

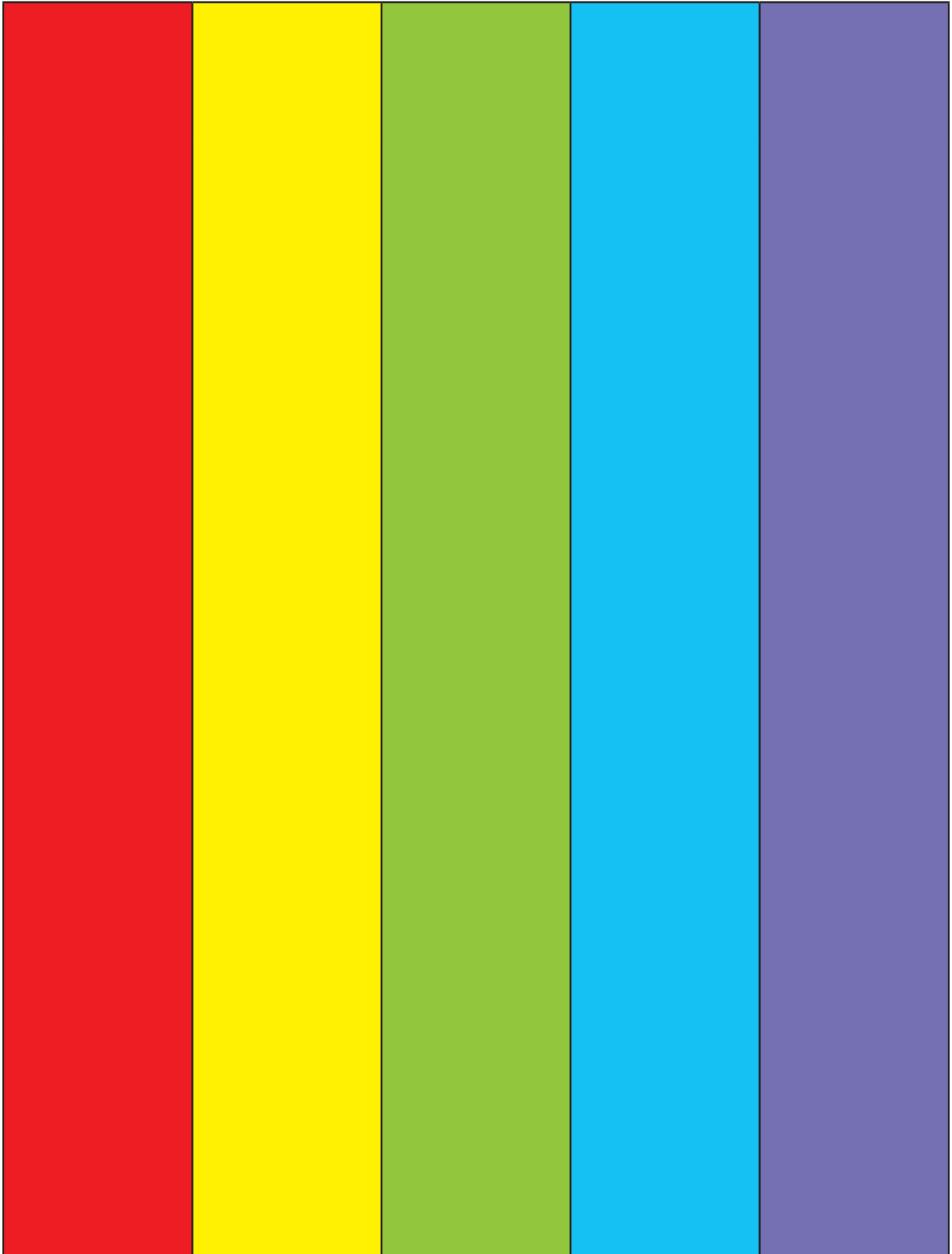
UThandi uzixuba zombini ezi jusi. \_\_\_\_\_

Zingaphi ijagi anokuzalisisa? \_\_\_\_\_



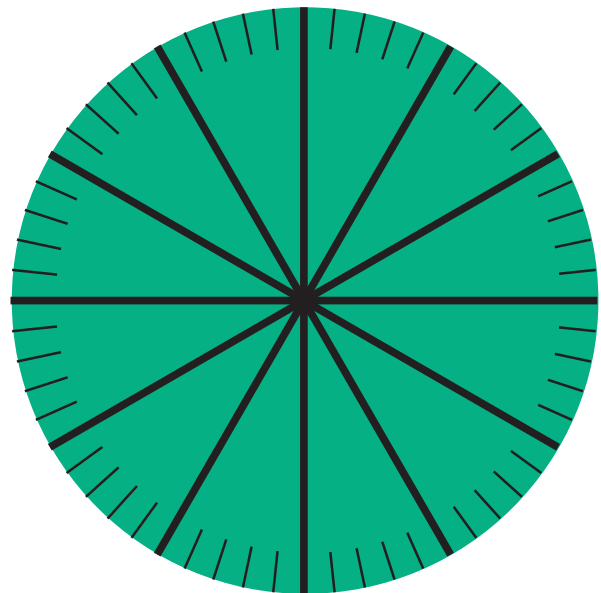
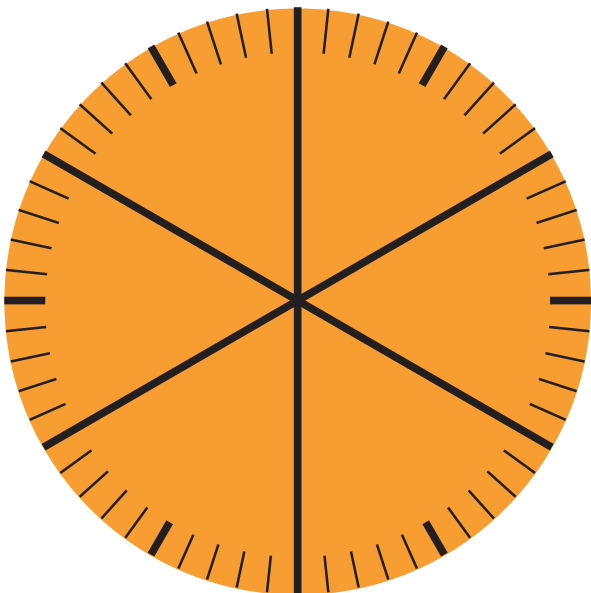
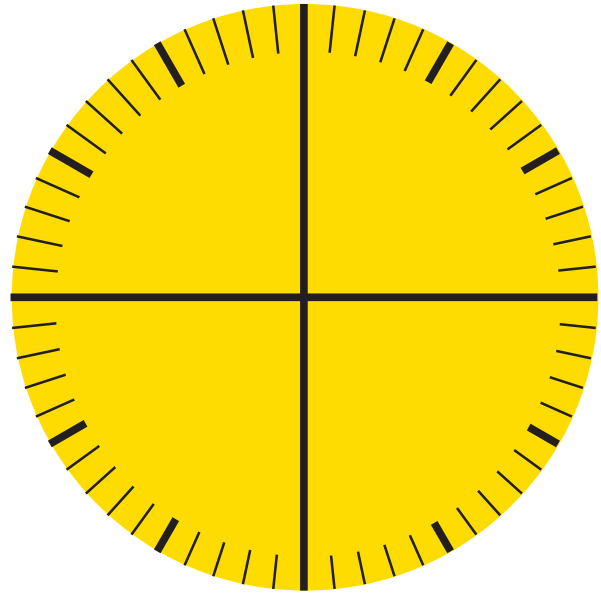
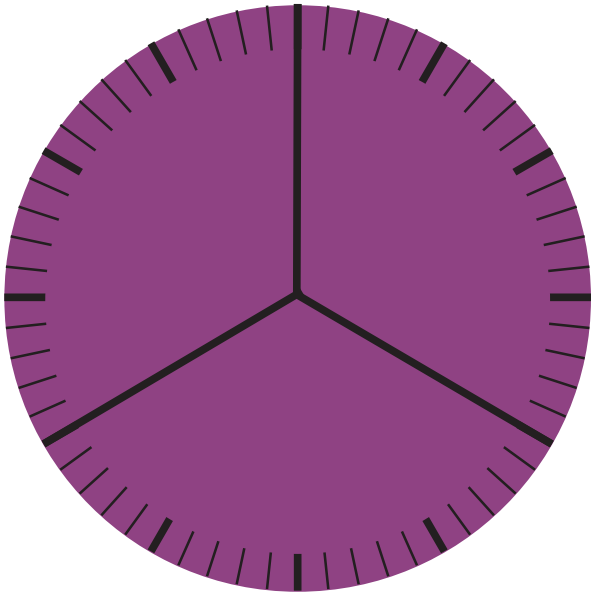
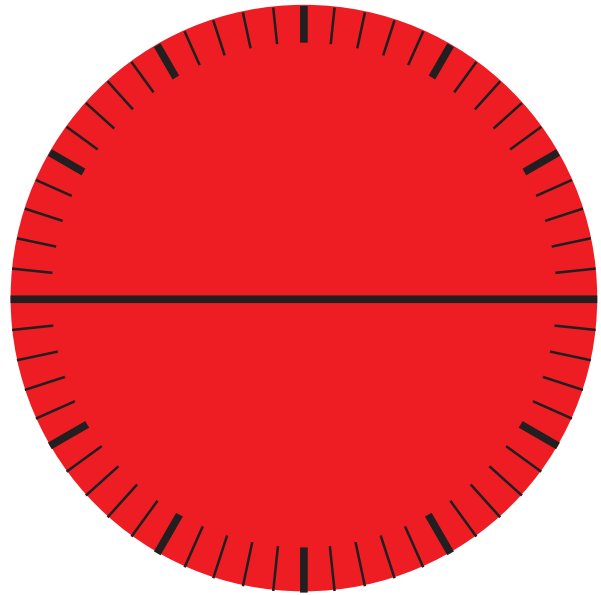
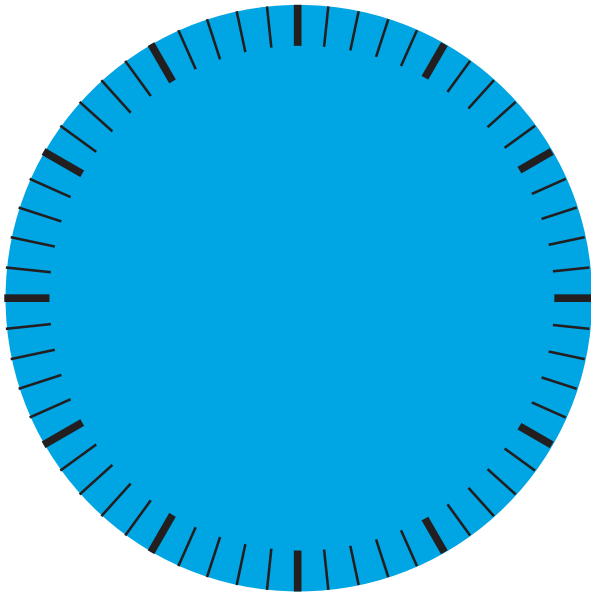
Khangelal!  
Thelekisal  
Lungisa!

# Umsiko 5



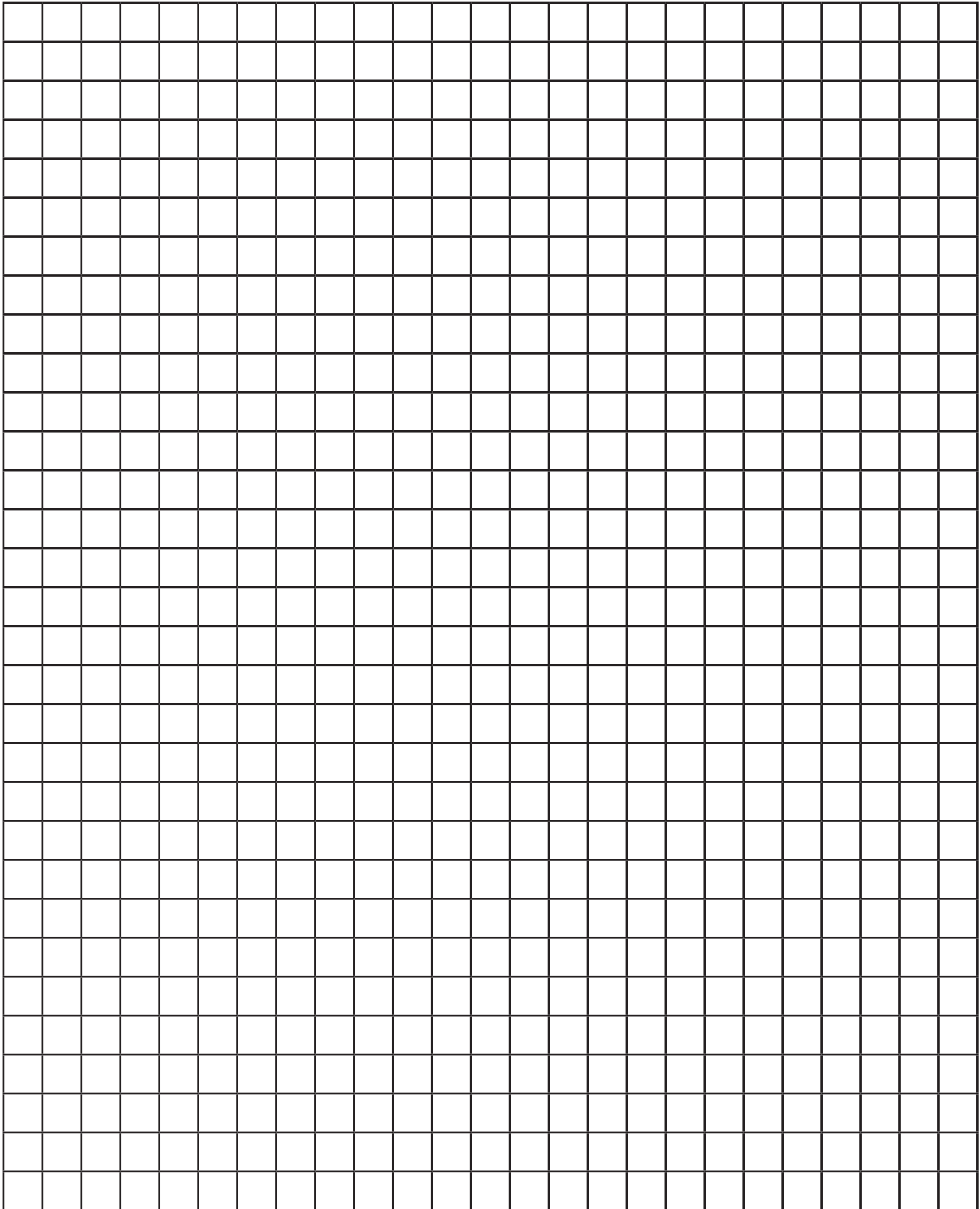


# Umsiko 6





# Umsiko 7





# Umsiko 8

<b>I<sub>c</sub></b>	
<b>IO<sub>c</sub></b>	
<b>RI<sub>s</sub></b>	
<b>RIO<sub>s</sub></b>	
<b>RIOO<sub>s</sub></b>	



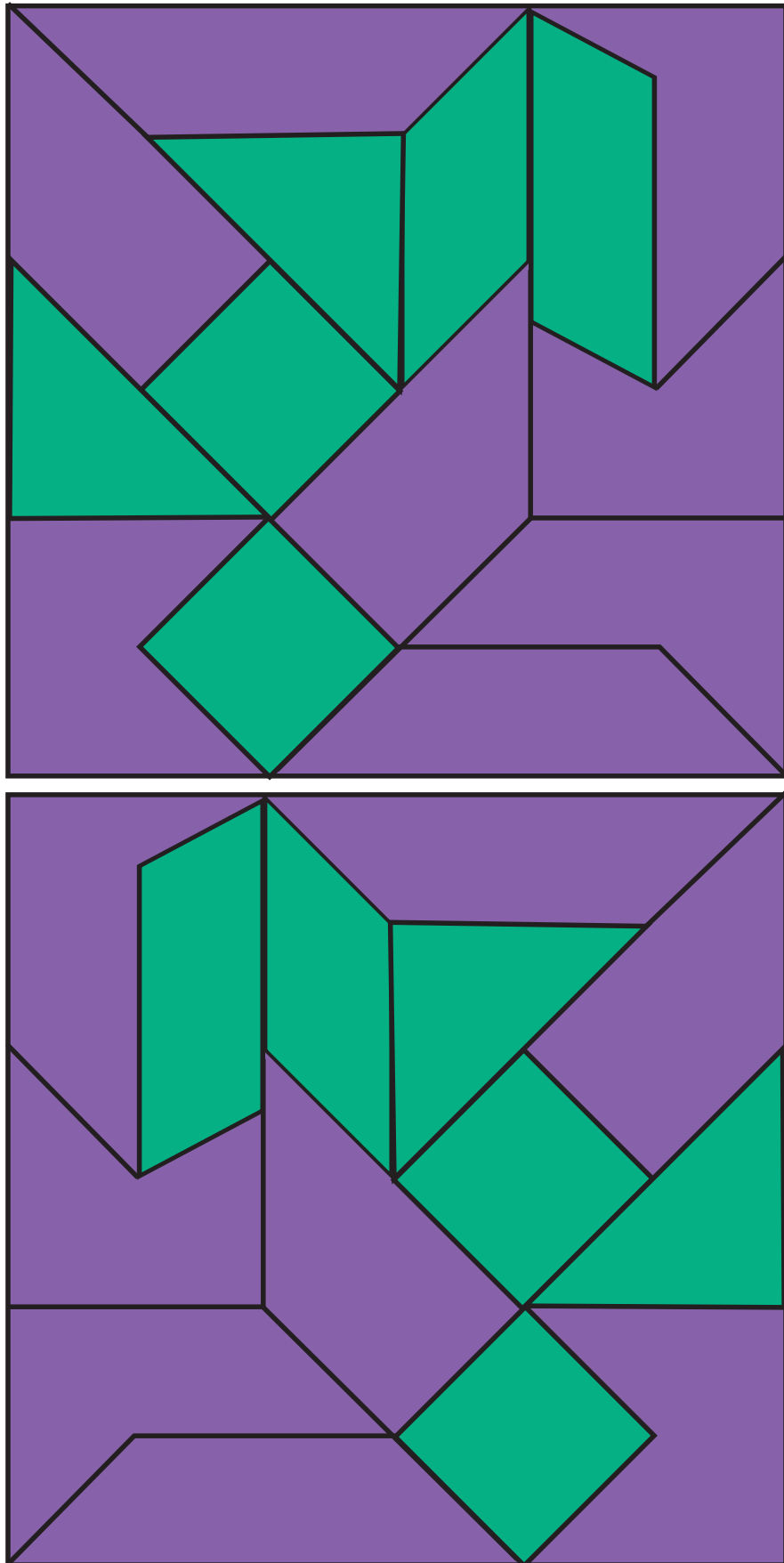
# Umsiko 9

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

RI	RI	RI	RI	RI	RI	RI	RI
RI	RI	RI	RI	RI	RI	RI	RI
IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>
IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>	IO <sub>c</sub>
lc	lc	lc	lc	lc	lc	lc	lc
lc	lc	lc	lc	lc	lc	lc	lc

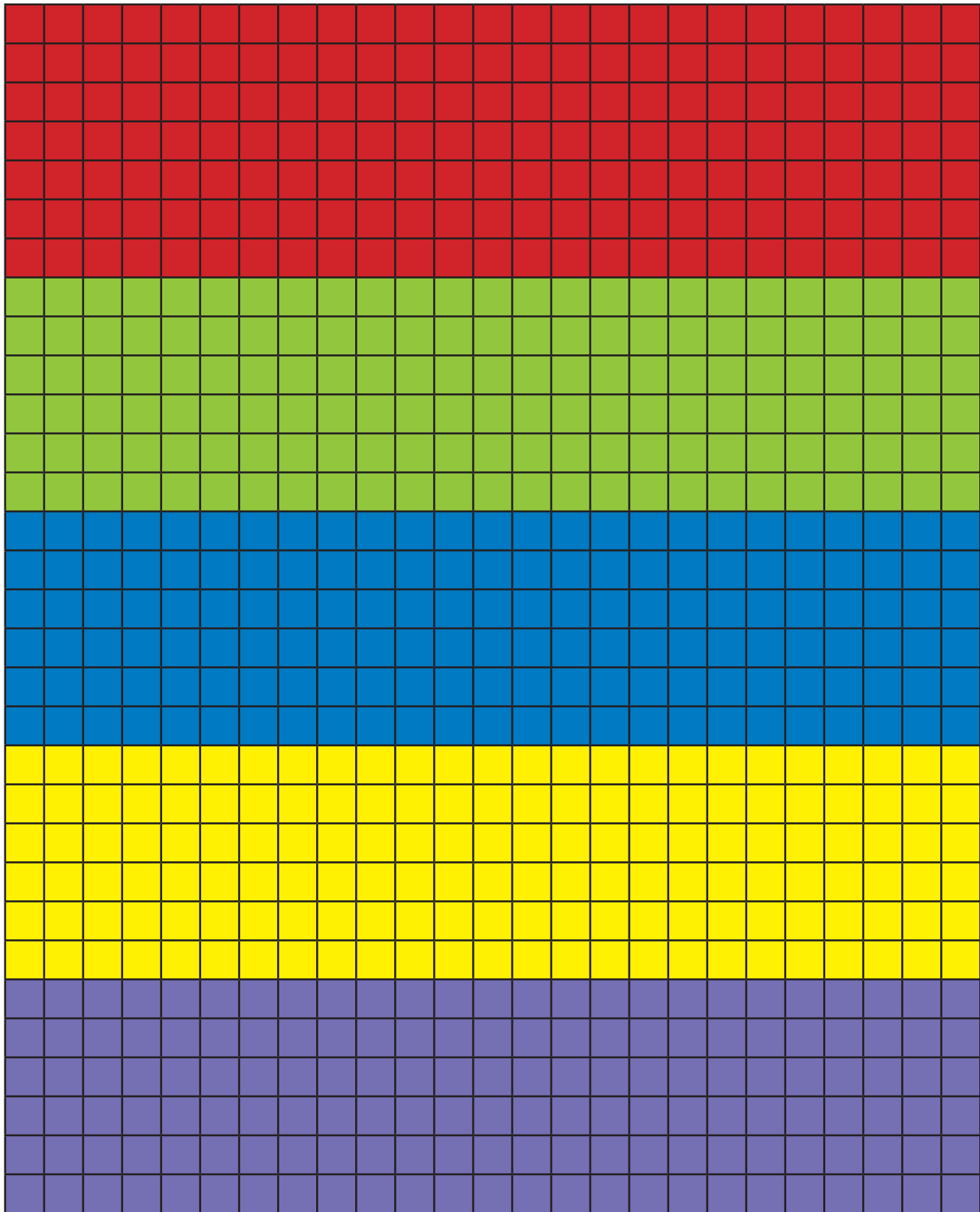


# Umsiko 10





# Cut-out II





# Cut-out 12

