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uMphathiswa wemfundo
esisiseko



UMnu. Enver Surty,
uSekela Mphathiswa
wemfundo esisiseko

Ezi ncwadi zilungiselelwe abantwana baseMzantsi Afrika phantsi kwephiko loMphathiswa weMfundo esisiseko uNksk. Angie Motshekga kunye noSekela Mphathiswa weMfundo esisiseko uMnu. Enver Surty.

Ezi ncwadi zokusebenzela, iRainbow Workbooks, lelinye lamalinge ongenelelo eSebe leMfundo esisiseko ajolise ekuphuculeni umgangatho wabafundi beloMzantsi Afrika abakumabanga amathandathu okugala. 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 ikharithyulam. 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.

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**MATHEMATICS IN ISIXHOSA
GRADE 3 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0149-6
THIS BOOK MAY
NOT BE SOLD.**



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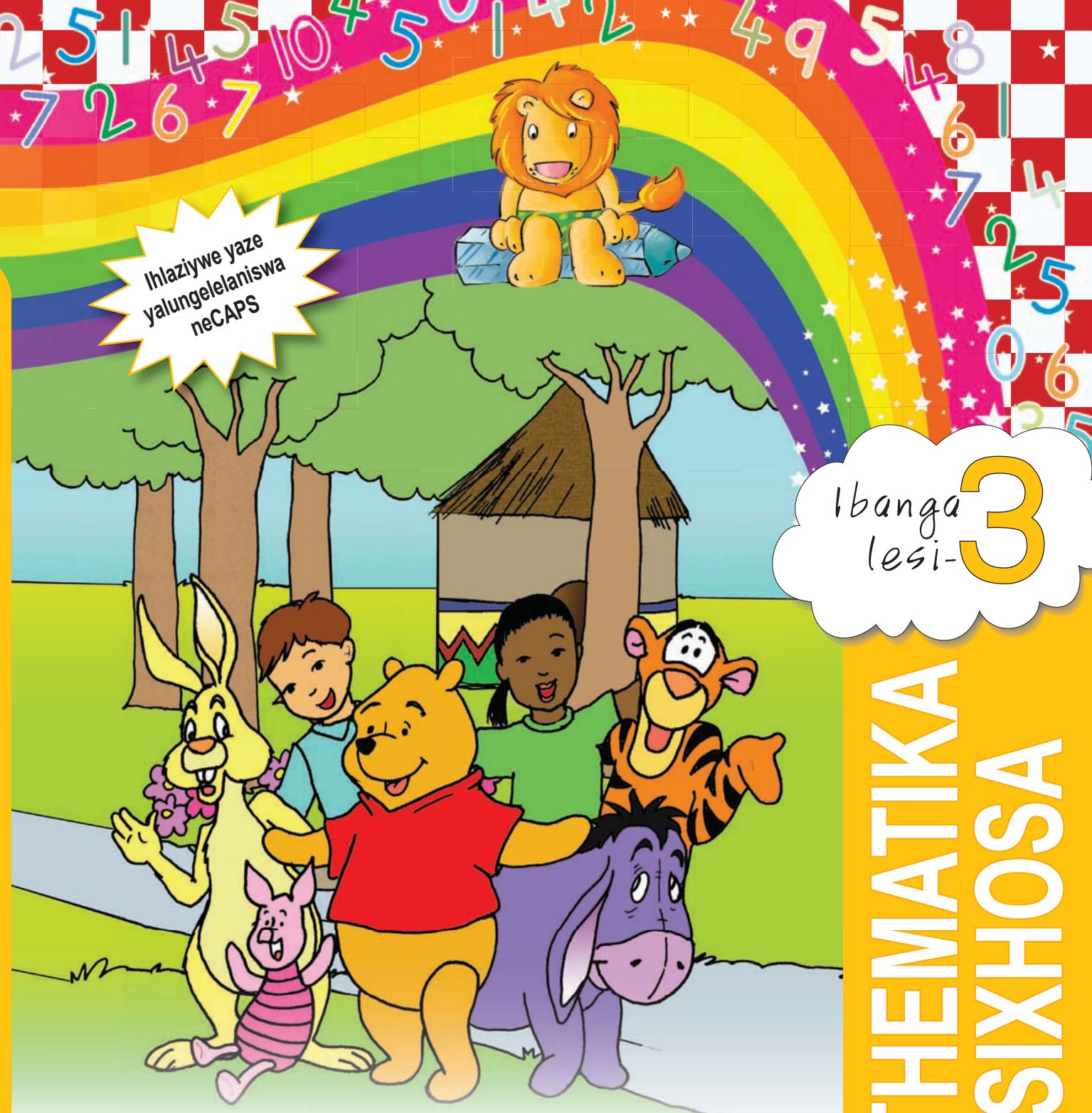
Author team: Smith, P., Blom, L., Aitchison, J.J.W.

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IMATHEMATIKA - NGESIXHOSA – Ibanga lesi-3 Incwadi yesi-2

ISBN 978-1-4315-0149-6



Ihlaziye yaze
yalungelelaniswa
neCAPS

Ibanga
lesi-3

**IMATHEMATIKA
NGESIXHOSA**

Incwadi yesi-2
Ikota
3 & 4

Igama:

Iklasi:



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

Iziququlatho



X

Itheyibhile yophinda-phindo

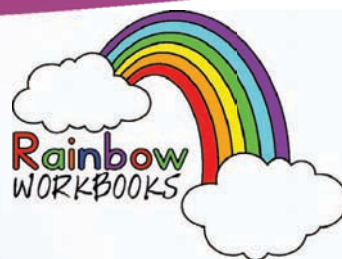
$$2 \times 2 = 4$$

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

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Ibanga lesi-3



Le ncwadi yeka:-



ISIXHOSA

Incwadi
yesi

2

Amanani ukusuka kuma-500 ukuya kuma-600

Umhla:



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.

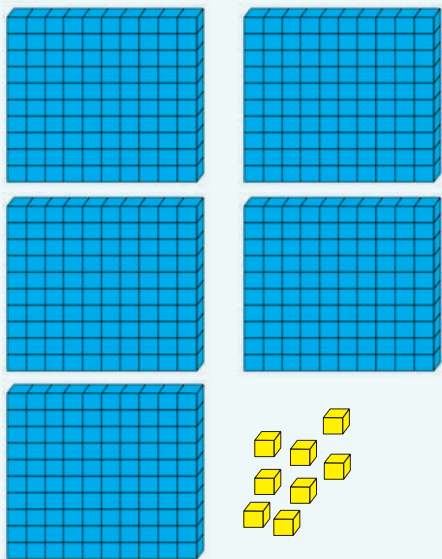
548; _____; _____; _____; _____; _____; _____; _____; _____; _____; 570

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	
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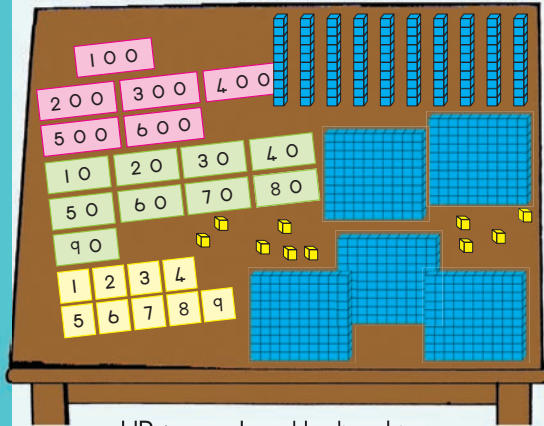


Teacher: _____

Sign: _____

Date: _____

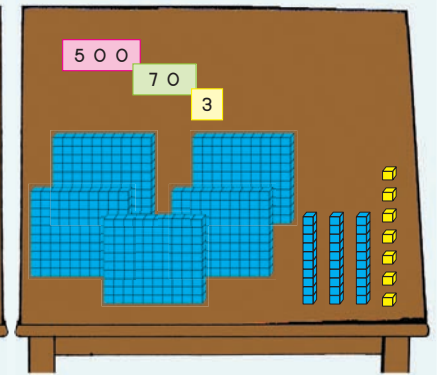
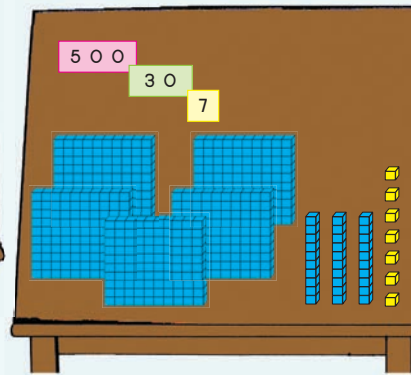
Amanye amanani ukusuka kuma-500 ukuya kuma-600



UPeter unala makhadi exabiso lendawo kunye neebloko zamashumi.

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

UAakar ubonise oku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani ulandele ngempendulo.

$500 + 10 + 7 =$	517	



Bhala isivakalisi samanani ulandele ngempendulo.

$500 + 70 + 3$		
$=$		



Gqibezela lo mgca-manani

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

Bhala onke amanani angaphantsi kunama-556. _____

Bhala onke amanani angaphezulu kunama-556. _____



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: _____

Amanani ukusuka kuma-600 ukuya kuma-700

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.

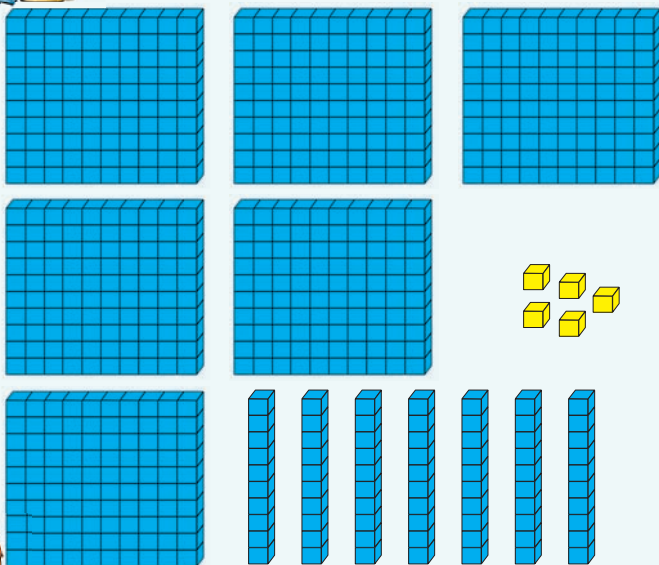
611; _____; _____; _____; _____; _____; _____; _____; _____; _____; 633

- 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		



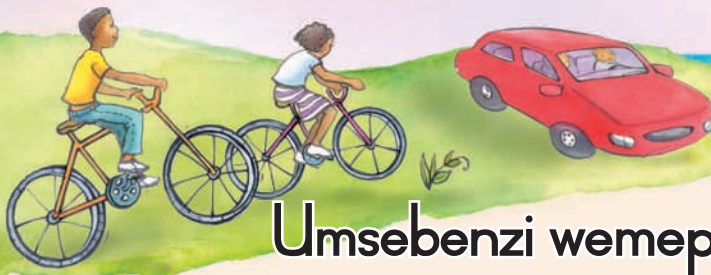
Bhala inani ngamagama.

631

Teacher:

Sign:

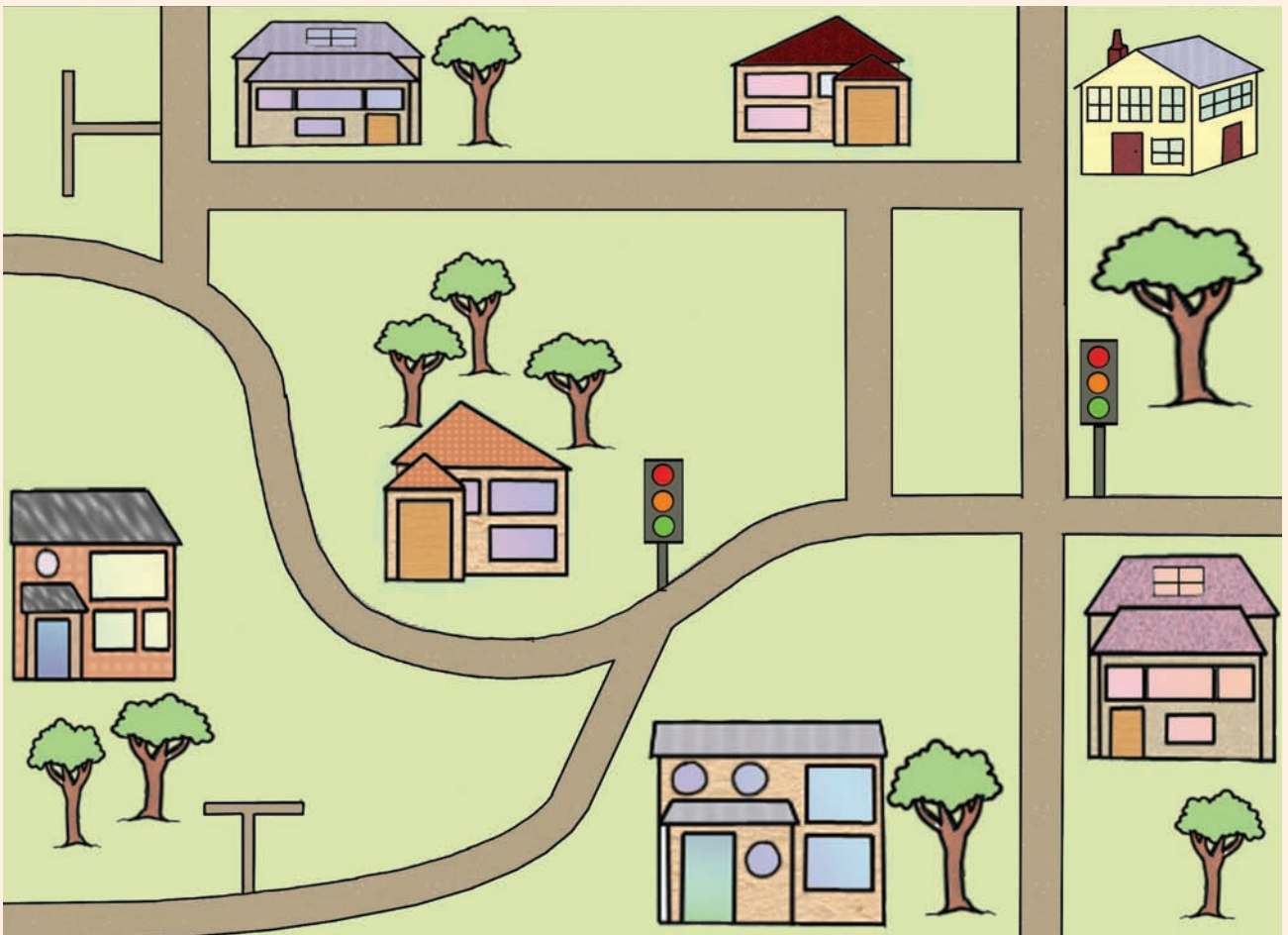
Date:



Umsebenzi wemephu

Jonga umfanekiso.

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



Zoba oku emephini:

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



Sebenzisa imephu ekwiphepha
elingaphambili balathise ngayo abahlobo bakho ukusuka:

a. eklinikhi uye kwisikhululo samapolisa.

b. esikolweni uye eklinikhi.

c. esikolweni uye ezivenkileni.

d. ezivenkileni uye kwithala leencwadi.

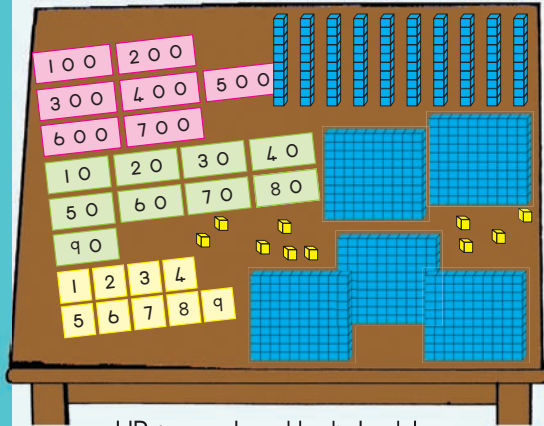
e. kwithala leencwadi uye esikolweni.

f. esibhedlele uye esikolweni.



Teacher:
Sign:
Date:

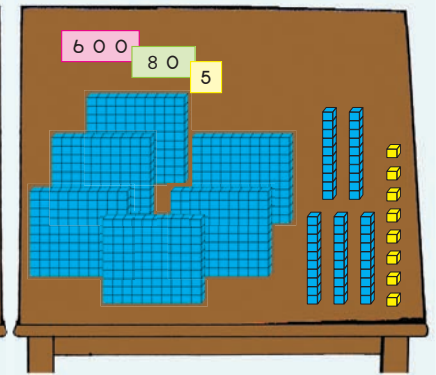
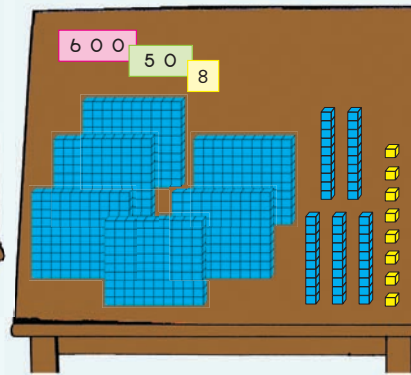
Amanye amanani aqala kuma-600 ukuya kuma-700



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.

$$600 + 30 + 7 = 637$$

$$\quad$$

$$\quad$$


Bhala isivakalisi samanani ulandele ngempendulo.

$$600 + 90 + 8$$

$$=$$

$$\quad$$

$$\quad$$

$$\quad$$

$$\quad$$



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.

a. Yakha inani ngalinye ngamakhadi akho.

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

686	
690	
699	
673	
665	

Umzekelo: 632

600

30

2

632

632 $600 + 30 + 2$



Bhala amanani ngamagama.

672	
693	
607	
697	
660	



Teacher: _____
Sign: _____
Date: _____

Amanani ukusuka kuma-650 ukuya kuma-750



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.

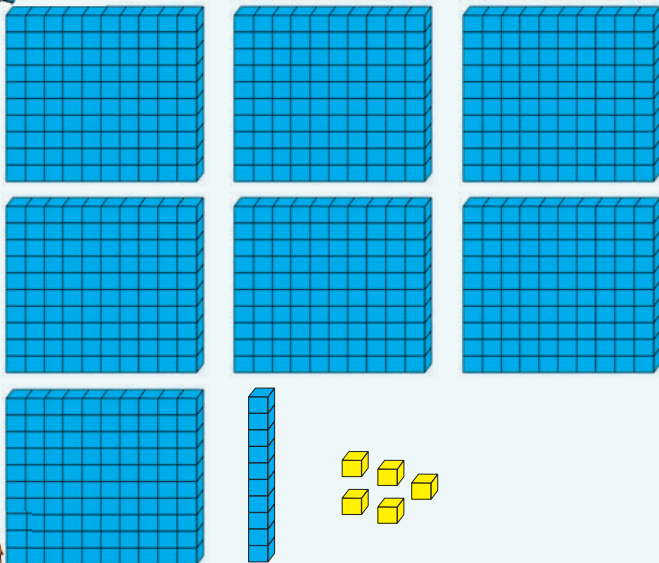
719; _____; _____; _____; _____; _____; _____; _____; _____; 749

- 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

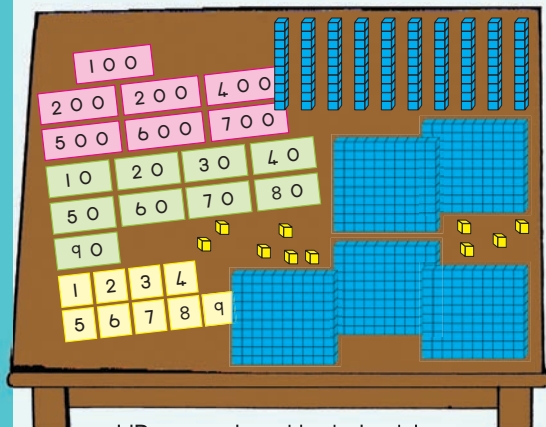
Teacher:

Sign:

Date:

Amanani aqala kuma-700 ukuya kuma-750

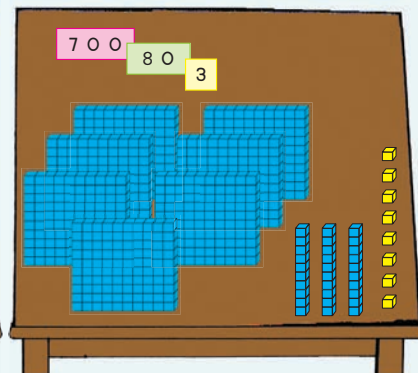
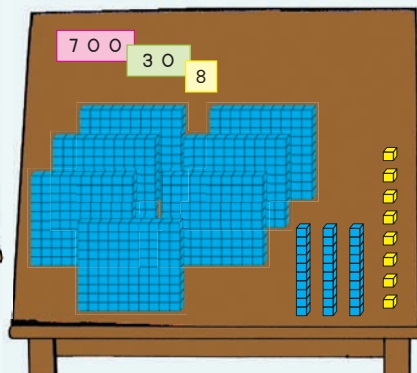
Ikota 3



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.

$700 + 40 + 3 = 743$		

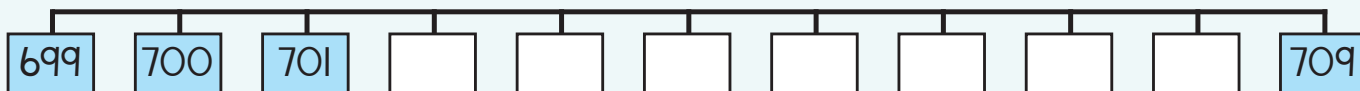


Bhala isivakalisi samanani ulandele ngempendulo.

$700 + 40 + 5$		



Gqibezela lo mgca-manani.



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.

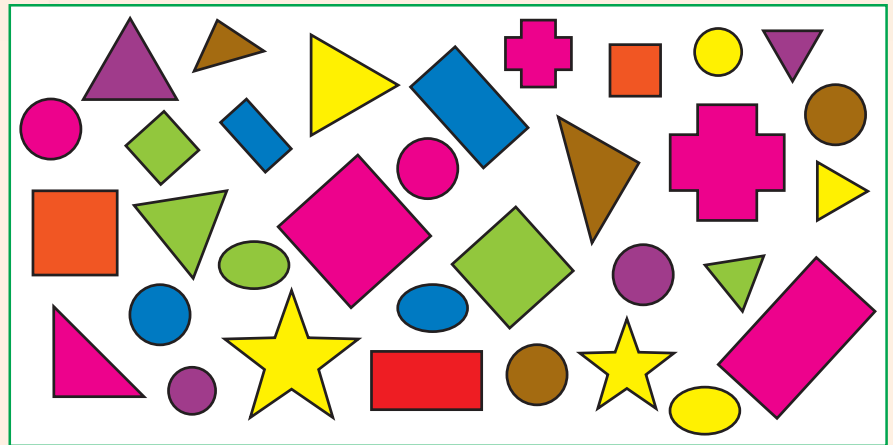
714	
750	
742	
738	
704	



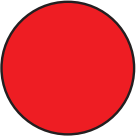
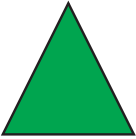


Imilo ezinemilinganiselo engu-2-D

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

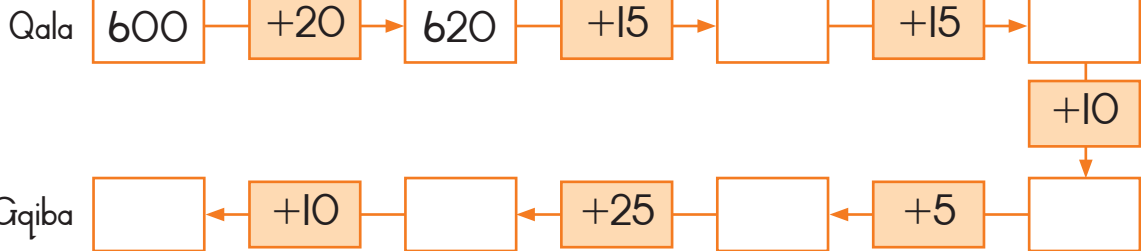


Yeyiphi kwezi zinto endinokuyithenga ngama-R500?



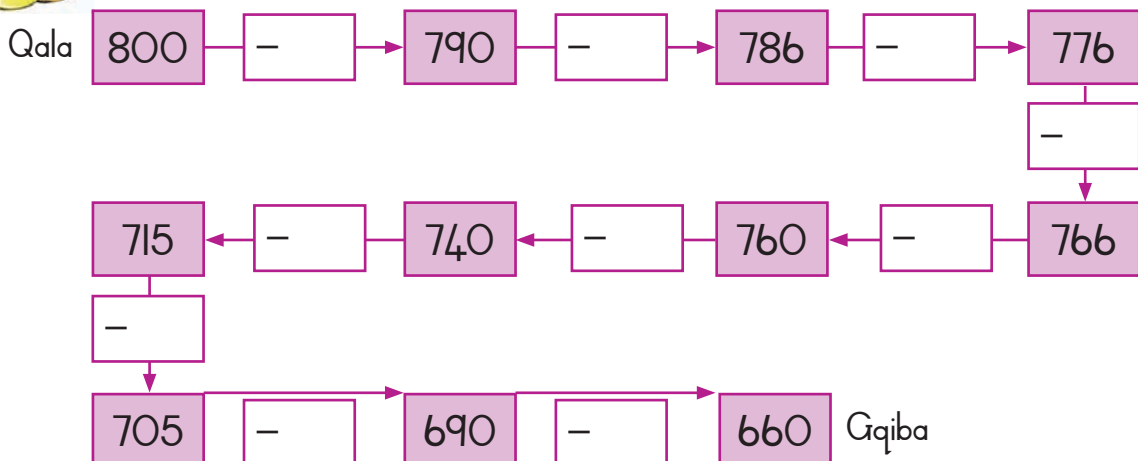
Dibanisa usuke kuma-600.

Bhala amanani angekhoyo.



Bala ubuye umva usuke kuma-800.

Bhala "utshintsho" kwixesha ngalinye.





Bala:

$$725 + 53 =$$

$$664 + 87 =$$

$$564 + 132 =$$

$$75 + 717 =$$



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 ngakanani?

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:
$352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	Isiqingatha sama-352 li-176. Kodwa kufuneka ndithathe i-166 kuphela, ngoko ke ndongeza emva koko i-10. $176 + 10 = 186 \text{ km}$
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



Zenzele ezakho iintsapho zamanani.

Umsetyenzana wokuzilungiselela.

5 12 17



$$5 + 12 = 17$$

$$12 + 5 = 17$$

$$17 - 12 = 5$$

$$17 - 5 = 12$$

Umzekelo: Yenza i-17

$$8 + 9 = 17$$

$$9 + 8 = 17$$

$$17 - 9 = 8$$

$$17 - 8 = 9$$

8 9 17



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

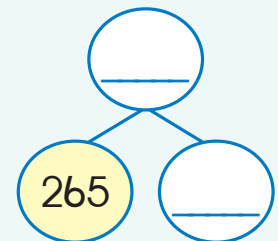
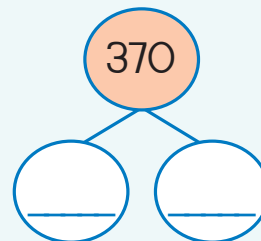
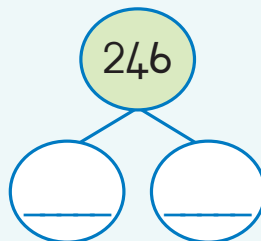
Bhala izivakalisi zamanani zibe-4 (ezibini + nezibini -) kusapho lwamanani ngalunye.

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 ezishiyelelo.





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 iimafini ezinetshokoletshi. Bangaphi abantwana abafumana iimafini ezinetshokoletshi?



Iipatheni 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.

I. Dibanisa ishumi kwinani olinikiweyo. Sikwenzele eyokuqala.

a. $767 + 10 = 777$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



2. Thabatha ishumi kwinani olinikiweyo. Sikwenzele eyokuqala.

a. $767 - 10 = 757$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____

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



Jonga izangqa ezibomvu kwibhodi yamanani.

a. Uqaphela ntoni ngezi zangqa? _____

b. Yandisa ezi zivakalisi zamanani zilandelayo:

704; 714; 724; _____; _____; _____

782; 772; 762; _____; _____; _____

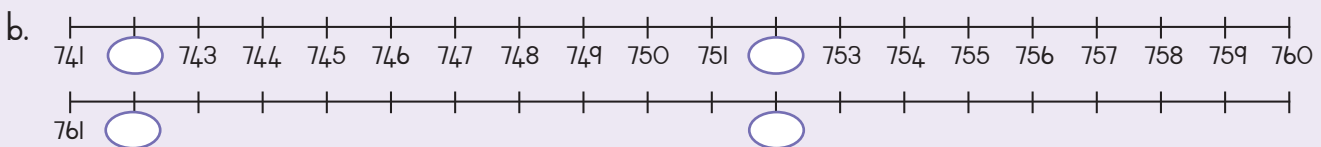
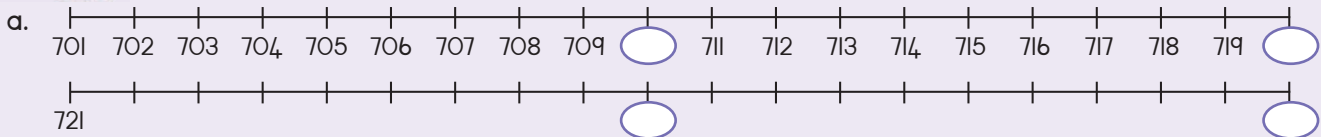
715; 725; 735; _____; _____; _____

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 elokuqgibela libenganeno ngononye kunesixhenxe.

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

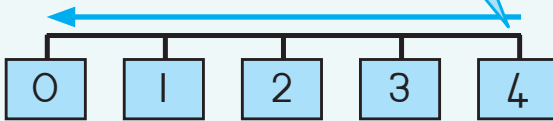


Teacher: _____
Sign: _____
Date: _____

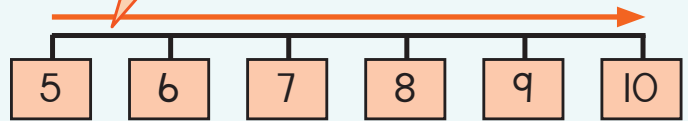
Ukuwezela kumashumi

Ikota 3

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

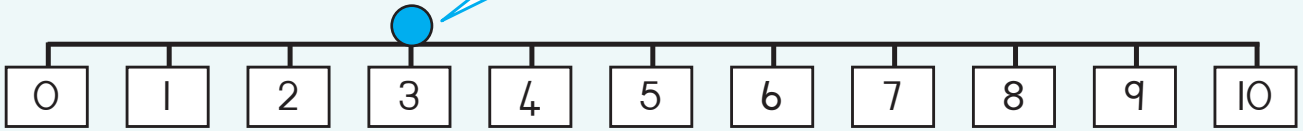


Onke amanani ukusuka kwisi-5 ukubheka phambili aya kuwezelwa kwi-10

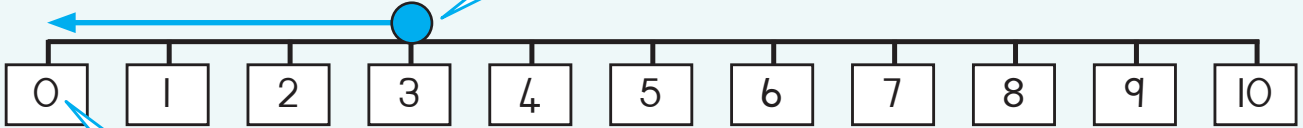


Masithethe.

Jonga inani-3 kumgca-manani.



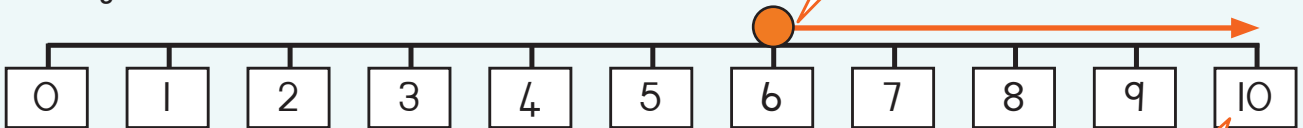
Liya kuba leliphi inani xa liweziwe?



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

Yenza njalo nakwezi:

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



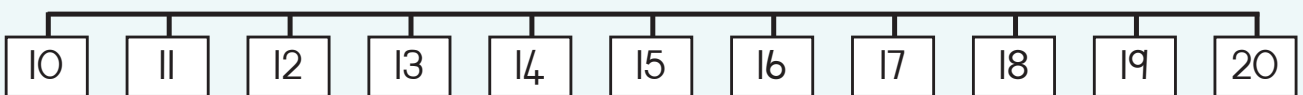
Impendulo li-10..



Wezela kwi-10 elikufuphi.

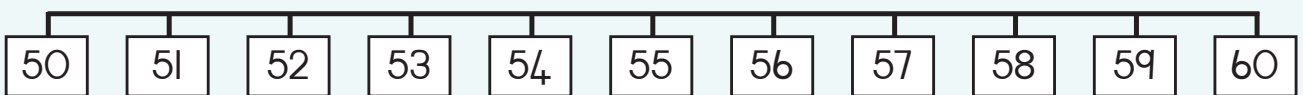
i-12 eliweziweyo likunika _____

i-19 eliweziweyo likunika _____



Ama-53 aweziweyo akunika _____

Ama-58 aweziweyo akunika _____



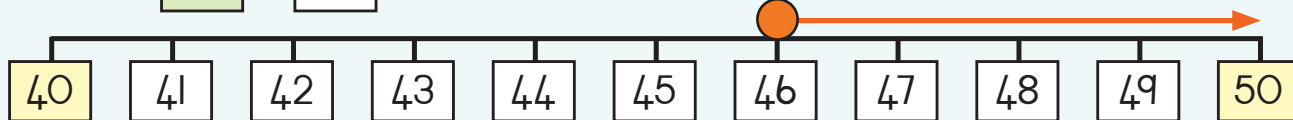


Sebenzisa imigca-manani ikuncede usondeze kwelona IO lisondeleyo.

a. 46

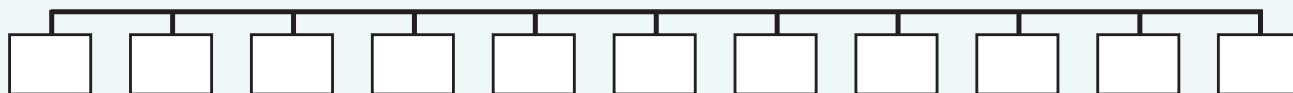
46

50



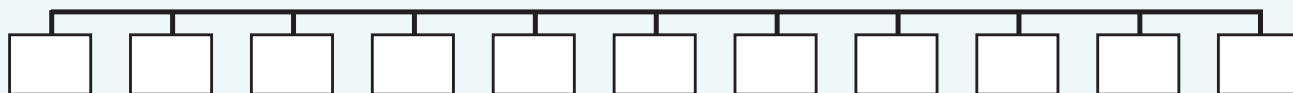
Liphakathi kwawaphi amashumi amabini eli nani: 46?

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-R48,00.

Unepakethe yamakhasi exabisa ii-R5,00.

Zingaphi iipakethe zamakhasi anokuzithenga ngama-R48,00? _____



Teacher:

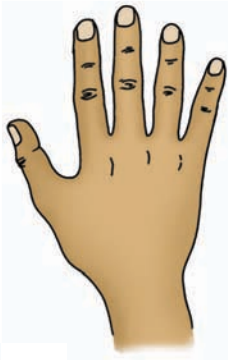
Sign:

Date:

Uphinda-phindo: izihlanu ukuya kuma-75

Yintoni efumaneka ngezihlanu?

Iminwe ekwisandla 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	

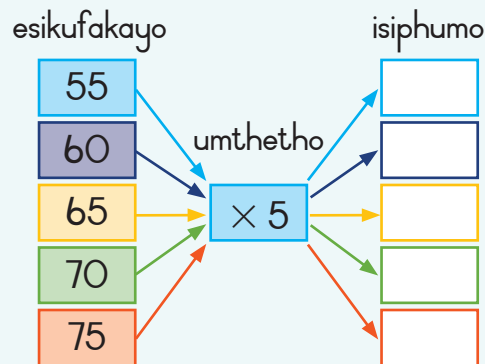
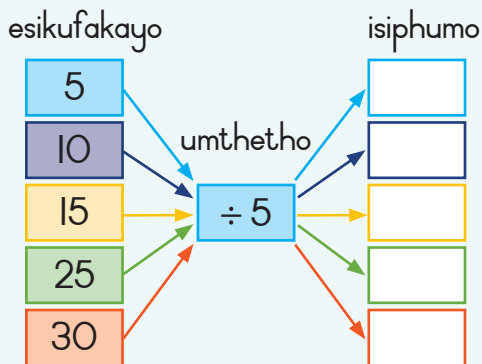
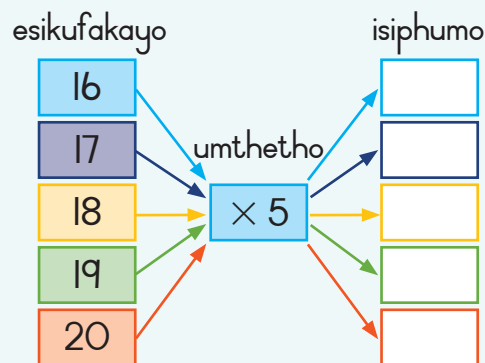
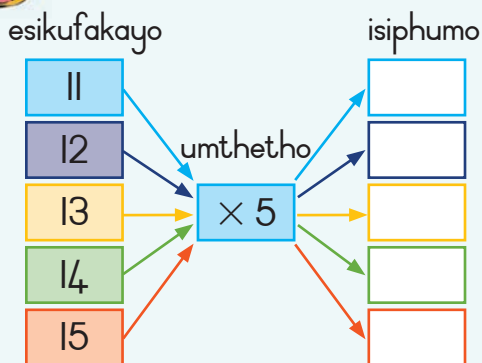


Gqibezela le theyibhile.

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:

Lipatheni 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.

I. Dibanisa isihlanu kwinani olinikiweyo. Sikwenzele eyokuqala.

a. $760 + 5 = 765$

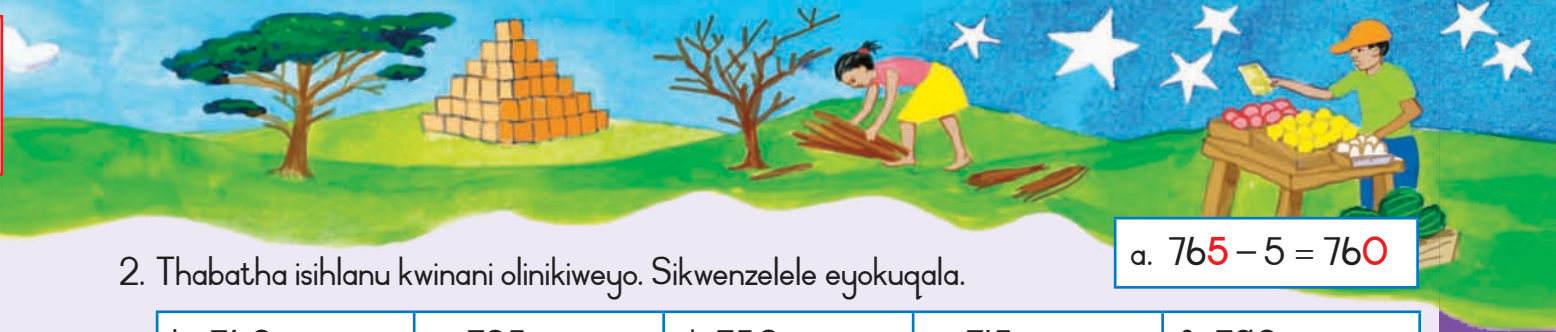
b. 725 _____

c. 780 _____

d. 755 _____

e. 715 _____

f. 790 _____



2. Thabatha isihlanu kwinani olinikiweyo. Sikwenzelele eyokuqala.

a. $765 - 5 = 760$

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; _____; _____; _____

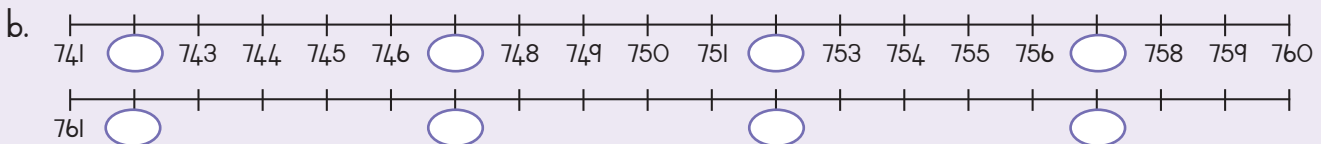
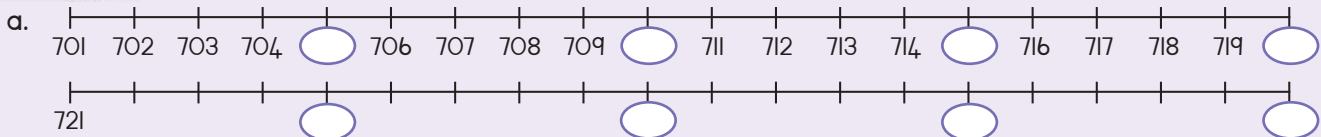
753; 758; 763; _____; _____; _____

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?



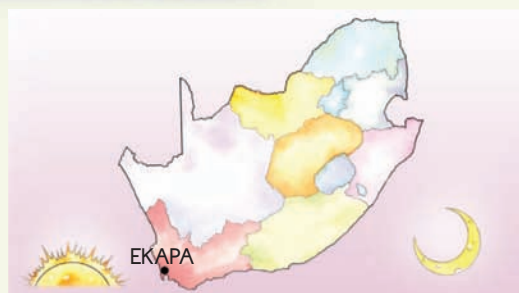
Teacher: _____
Sign: _____
Date: _____

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		

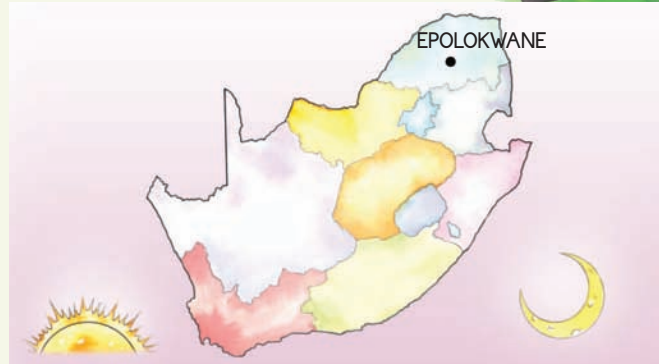
- Kukweziphi iinyanga apho ubude bemini nobobusuku bulinganayo? _____
- Yeyiphi inyanga enezona mini zinde? _____
- Yeyiphi inyanga enezona mini zimfutshane? _____
- Fumana umahluko ngokweeyure nemizuzu phakathi kweyona mini inde neyona imfutshane.

- Funa ubude bosuku nobobusuku kumhla ngamnye kule theyibhile ingentla. _____



EPolokwane

Le theyibhile ibonisa ixesha lokuphuma nelokutshona kwelanga kumaxesha ahlukeneyo onyaka ePolokwane. Funda amaxesha akwitheyibhile 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** nobob**usuku** 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: _____
Sign: _____
Date: _____

Ukuphinda-phinda: ngezibini ukuya kuma-75

Yintoni efumaneka
ngezibini?
Isibini sezihlangu.



Zingaphi izihlangu

kwisibini 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.

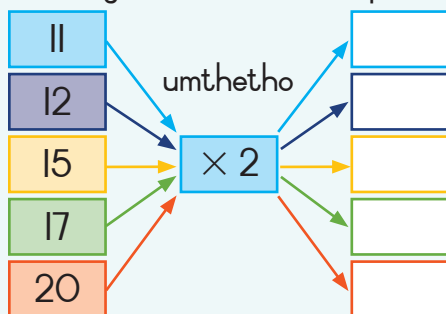
Ukwaba	Yahlula
Yaba ama-21 phakathi kwesi-2	$21 \div 2 = 10$ kusala u-1
Yaba ama-33 phakathi kwesi-2	
Yaba ama-67 phakathi kwesi-2	
Yaba ama-75 phakathi kwesi-2	



Gqibezela izazobe zesigcawu.

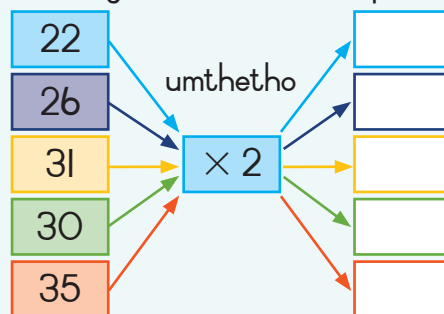
esikufakayo

isiphumo



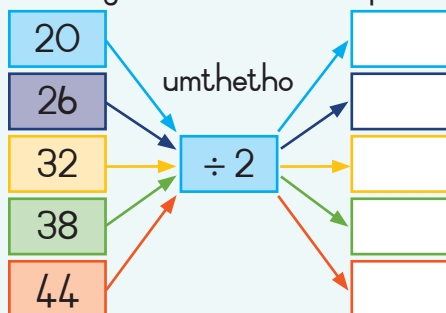
esikufakayo

isiphumo



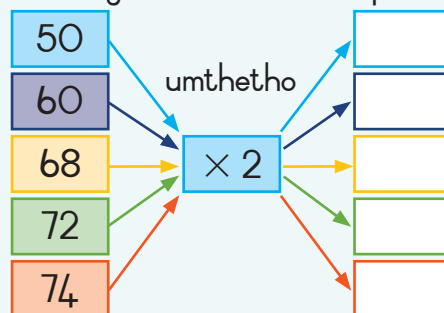
esikufakayo

isiphumo



esikufakayo

isiphumo



Gqibezela iithezibhile ezingezantsi:

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

×	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: _____
Sign: _____
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.

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

a. $764 + 2 = 766$

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



2. Thabatha ezimbini kwinani olinikiweyo. Sikwenzele isibalo sokuqala.

a. $764 - 2 = 762$

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; _____; _____; _____

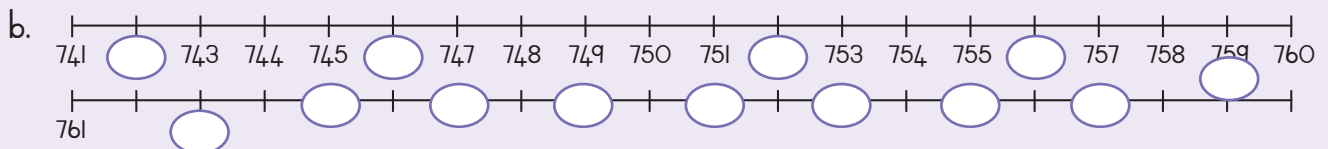
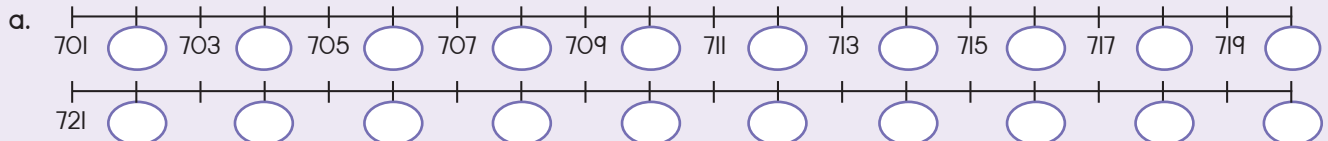
799; 797; 795; _____; _____; _____

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?



Teacher: _____
Sign: _____
Date: _____

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



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.

Xoxa ngako.

$$4 \times 2 = 8$$

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

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

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

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Imiboniso	Iinyaniso



Phinda-phinda oku kulandelayo:

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



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?



Teacher: _____
 Sign: _____
 Date: _____

Ukuphinda-phinda: izithathu ukuya kuma-75

Yintoni efumaneka
ngezithathu?
Amavili eetrayisikili.



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

Tshatisa isibalo nombuzo
ongasekhohlo:

$$9 \times 3 = 27$$

$$7 \times 3 = 21$$

$$2 \times 3 = 6$$

$$4 \times 3 = 12$$

$$3 \times 3 = 9$$

$$5 \times 3 = 15$$

$$1 \times 3 = 3$$

$$10 \times 3 = 30$$

$$6 \times 3 = 18$$

$$8 \times 3 = 24$$



Gqibezela itheyibhile

Ukubekwa ngamagela	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	

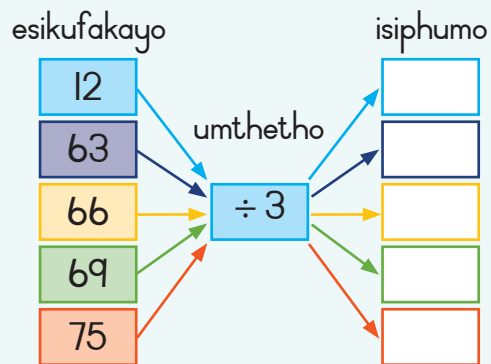
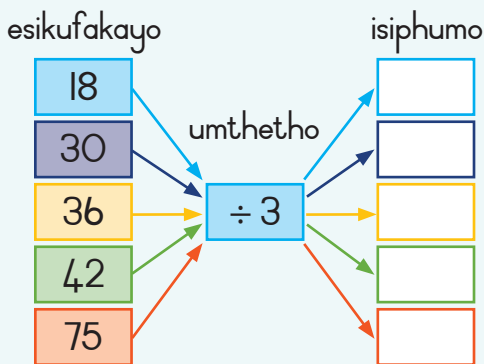
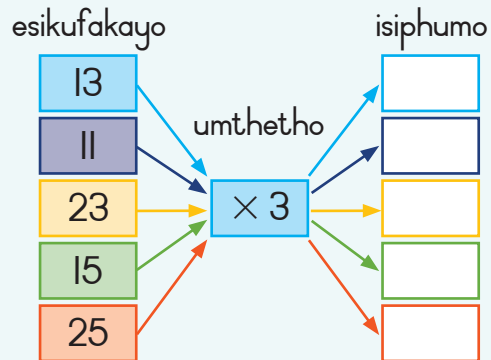
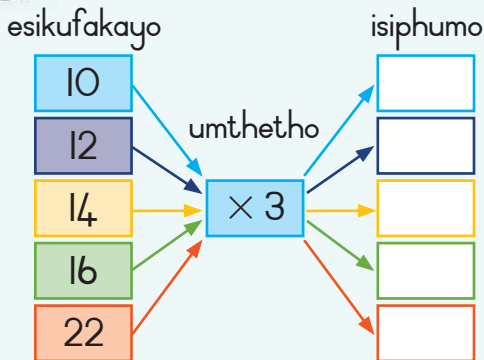


Gqibezela itheyibhile

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	



Gqibezele izazobe zesigcawu.



Gqibezela iithezibhile ezingezantsi:

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

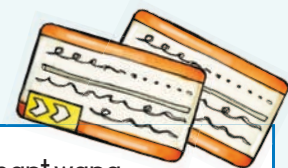
$\times$	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

Uzifumanise njani iimpendulo ezikwiibloko ezinombala ozuba?



Bala okulandelayo:

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



Teacher: _____
Sign: _____
Date: _____

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

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- 5×2 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.

$$63 \div 3$$

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

$$21 \times 3$$

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

a. $48 \div 5$

b. $64 \div 5$



Bala okulandelayo:

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



Teacher: _____
Sign: _____
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.

$$a. 766 + 3 = 769$$

I. 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?



Jonga izangqa ezizuba kwibhodi yamanani.

a. Uqaphela ntoni ngezi zangqa? _____

b. Yandisa izibalo zolandelelwano lwamanani

ezilandelayo:

704; 707; 710; _____; _____; _____

773; 776; 779; _____; _____; _____

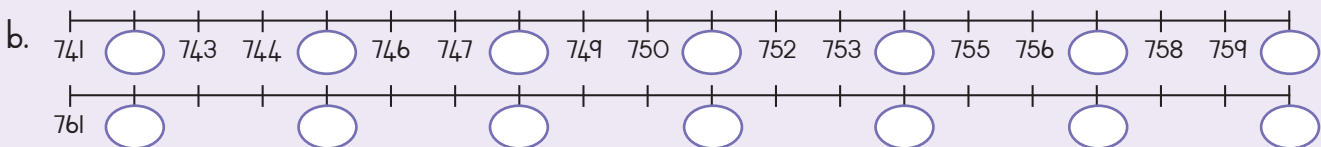
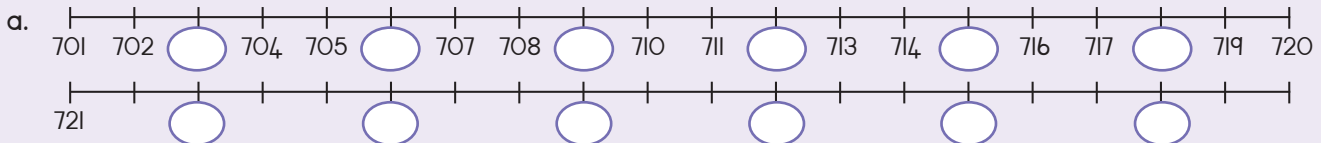
779; 776; 773; _____; _____; _____

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

Yintoni efumaneka
ngezine?

A mavili emoto?



Gqibezela itheyibhile.

Mangaphi amavili alapha

Imoto e-1?

Iimoto 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:

$$9 \times 4 = 36$$

$$7 \times 4 = 28$$

$$2 \times 4 = 8$$

$$4 \times 4 = 16$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$

$$1 \times 4 = 4$$

$$10 \times 4 = 40$$

$$6 \times 4 = 24$$

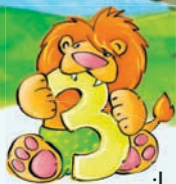
$$8 \times 4 = 32$$

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:

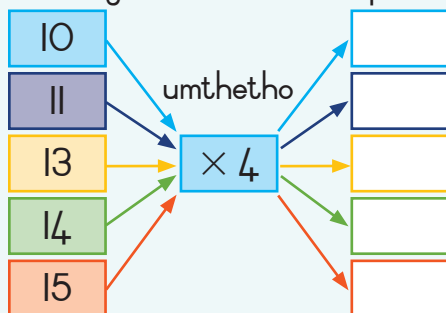
Ukwaba	Yahlula
Yaba ama-35 phakathi kwesi-4	$35 \div 4 = 8$ kusala isi- 3
Yaba ama-55 phakathi kwesi-4	
Yaba ama-70 phakathi kwesi-4	
Yaba ama-75 phakathi kwesi-4	



Gqibezela izazobe zesigcawu.

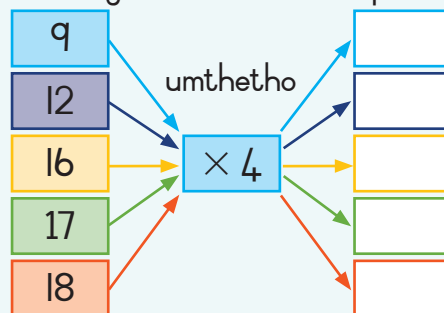
esikufakayo

isiphumo



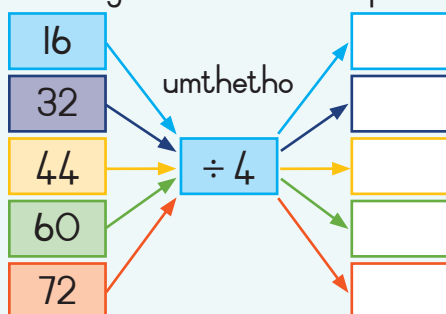
esikufakayo

isiphumo



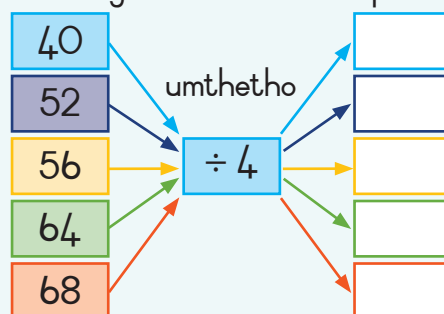
esikufakayo

isiphumo



esikufakayo

isiphumo



Gqibezela iithezibhile ezingezantsi:

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

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

Uzifumene njani iimpendulo ezikwiibloko ezinombala ozuba?



Bala okulandelayo:

Ndinama-R75.

Zingaphi izipho zepati endinokuzithenga nge-R4?



Teacher: _____
Sign: _____
Date: _____

Ipatheni 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. $764 + 4 = 768$

I. Dibanisa zibe ne kwinani olinikiweyo. Sikwenzele isibalo sokuqala.

b. 764 ____

c. 788 ____

d. 754 ____

e. 718 ____

f. 794 ____



2. Thabatha ezine kwinani olinikiweyo. Sikwenzele isibalo sokuqala.

a. $76\cancel{4} - 4 = 76\textcircled{0}$

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; _____; _____; _____

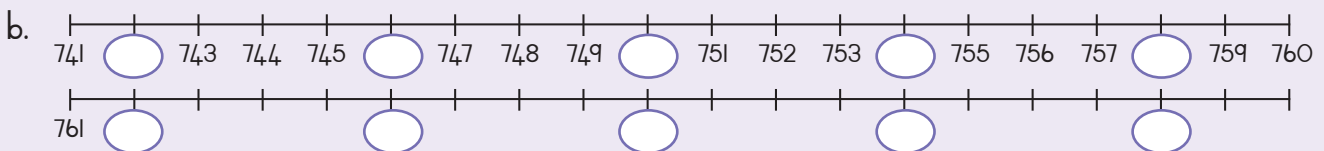
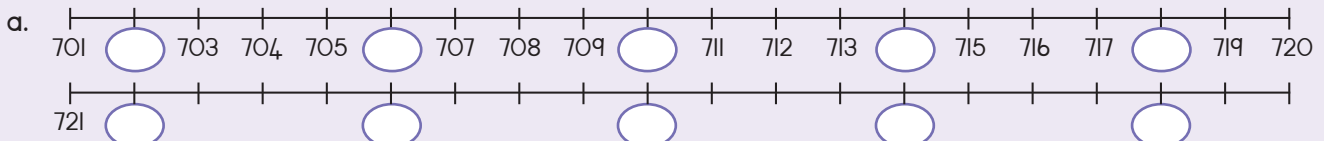
711; 715; 719; _____; _____; _____

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.

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



Wazi njani 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.

$$65 \div 3$$

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

$$21 \times 3 + 2$$

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

a. $49 \div 5$

b. $65 \div 5$



Bala okulandelayo:

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



Teacher: _____
Sign: _____
Date: _____



Iimpawu zezinto ezinemilinganiselo engu-3-D



Jonga imifanekiso.

Thetha ngemiphezulu yezinto usebenzise amagama afana nathi emcaba okanye egobileyo.

Iibhola	Iibhokisi	Iisilinda	Iiphiramidi	Iikhowuni



Jonga imifanekiso uze ugqibezele izivakalisi nemibuzo.



a. Iibhola



b. Kutheni
ingatshebelezi
ibhola?



c. Iisilinda

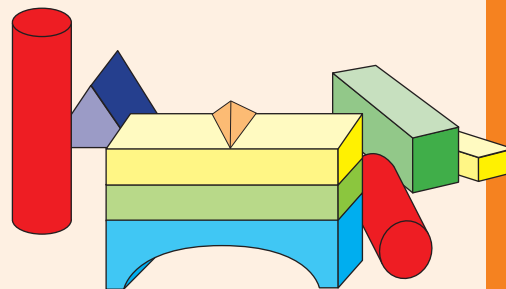
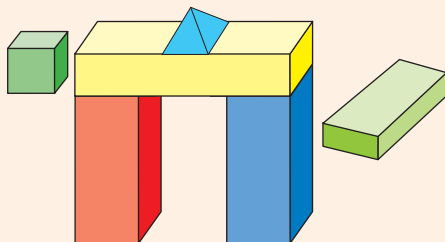
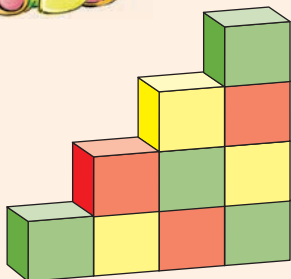


d. Ingaba nesilinda
iyakwazi
ukutshebeleza?



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

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



Yenza isicuku sezixhobo

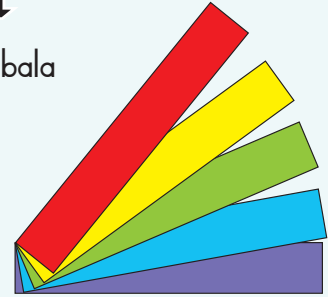
Sika ukhuphe iphepha lesi-5

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.

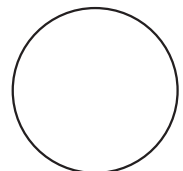
Into Enye Epheleleyo

Yahlula umcu ngokweenxenye ezintathu.

Faka umbala kwinxenye enye yesithathu.

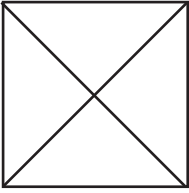
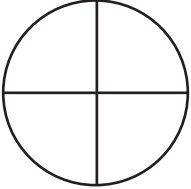
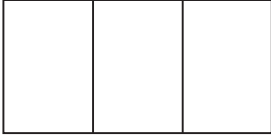
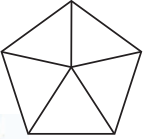
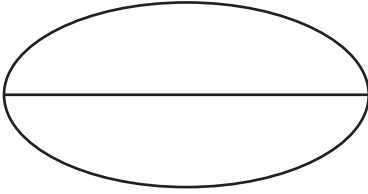
Yahlula isangqa sibe zizithathu.

Faka umbala kwinxenye enye yesithathu.





Ngoku faka umbala kokulandelayo:

Kwisiqingatha esinye 	Kwiikota ezintathu 	Kwiinxenye ezimbini kwezintathu ezilinganayo 
Kwiinxenye ezine kwezintlanu ezilinganayo 	Kwisiqingatha esinye 	Kwiikota ezintathu kwezine 



Zoba okulandelayo:

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



Lungisa isicuku sezixhobo sakho

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



Teacher: _____
Sign: _____
Date: _____

Amanye amaqhezu



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

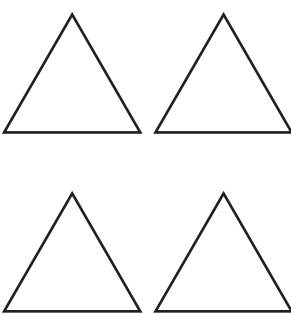
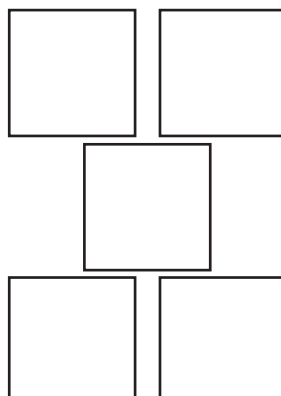
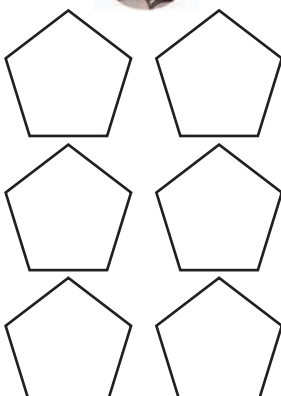


Zoba zonke izabelo zabo zephayi.





Yabela abantwana iimilo ngokukrwela umgca uze ufake umbala.

 	 	 	 
--	--	--	--



Abahlobo abane babelana ngeelelese ezi-5 ngokulinganayo.

Emnye kubo uza kufumana kangakanani?

Uthini umbuzo?

Athini amanani?

Zoba umfanekiso.

Abahlobo abathandathu babelana ngeelelese ezili-9 ngokulinganayo.

Emnye kubo uza kufumana ezingakanani?

Uthini umbuzo?

Athini amanani?

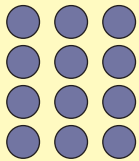
Zoba umfanekiso.



Teacher:
Sign:
Date:

Ukwaba okukhokelela kumaqhezu

Nazi izibalisi
ezili-12



Singabahlobo ababini. Sinesikhongozelo
esinye kuphela esahlulwe kanye ehafini.

Sithi esi sisiqingatha
esinye.

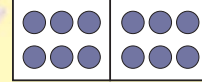


Sithi esi sisiqingatha
esinye.



Thina sobabiniABELANA 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 ngeelelese. 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 $\frac{1}{2}$? _____



Iziketi zomxhentso.

Oomama noomakhulu bathunga iziketi zomxhentso.

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

Ilaphu lixabisa i-R6 ngemitha nganye.



a. Bangathunga iziketi ezingaphi?

kwi-5 m _____ kwi-10 m _____

kwi-20 m _____ kwi-25 m _____

b. Lingakanani ilaphu abalifunayo ukuze bathunge

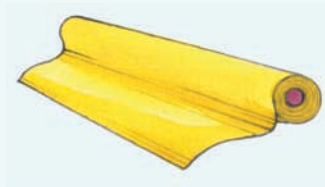
iziketi ezi-2 _____ iziketi ezi-3 _____ iziketi ezi-4 _____

c. Yimalini ilaphu lokuthunga

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

d. Zingaphi iziketi abanokuzithunga

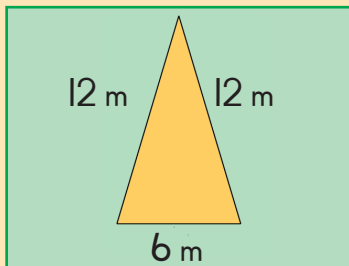
R450 _____ R825 _____ R180 _____



Teacher: _____
Sign: _____
Date: _____

Iperimitha/Umjikelezo

Igama elithi pherimitha lithetha ubude okanye umjikelezo.



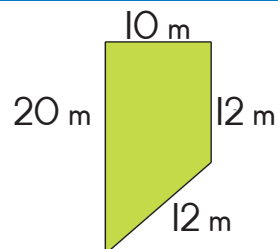
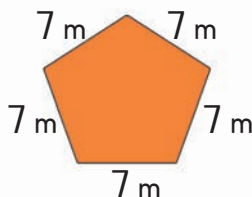
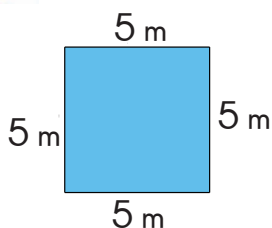
Umfama unomhlaba wokulima ongunxantathu.

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.

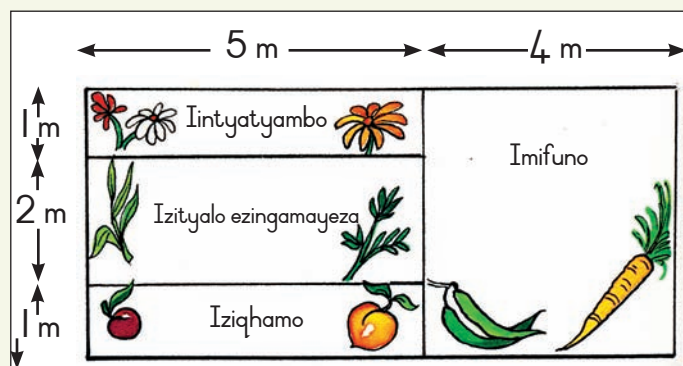
a. Yintoni ipherimitha yendawo alima kuyo izityalo zakhe ezingamayeza? _____

b. Ngawaphi amacandelo amabini anepherimitha efanayo?
Yintoni ipherimitha yazo?

_____ ne _____ zinepherimitha yeemitha _____ m.

c. 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.

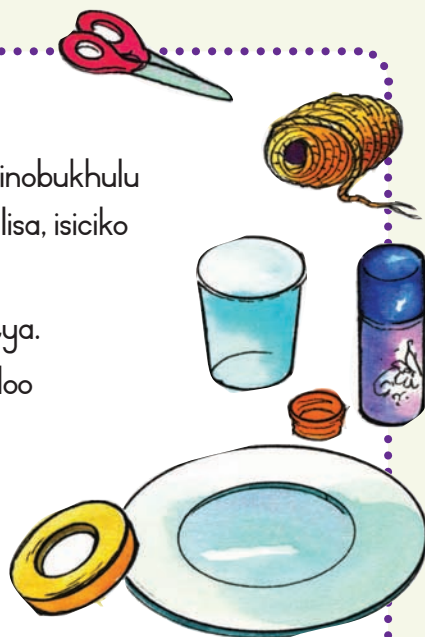


Ukulinganisa izangqa

Sebenza nomhlobo.

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

1. Khetha enye kwizinto ezingqukuva eza kulinganiswa ngomtya.
2. Sika intwana yomtya enobude obulingana ncam nejikeleza loo nto ncam.
3. Thatha 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.

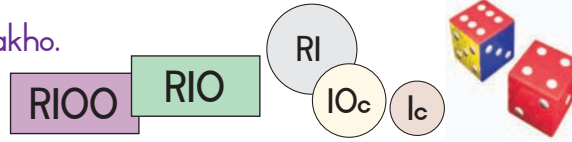


Teacher: _____
Sign: _____
Date: _____

Imali yokurhweba

Dlala le midlalo nomhlobo wakho.

Izinto ezisetyenziswayo:



RIOOs	RIOs	RI	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.

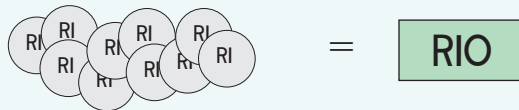
Beka iBhodi yeMali etafileni.

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.

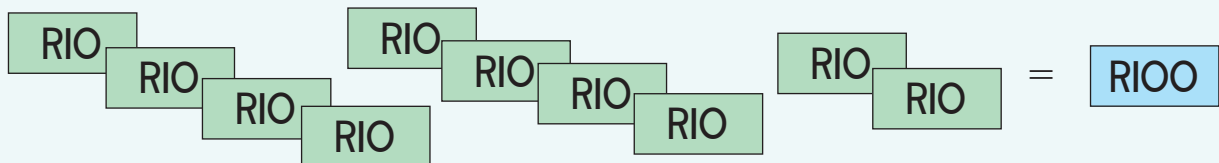


Dibanisa ufikelele kwiiRandi ezili-100.

1. Umalali ngamnye ufumana ithuba lokuqengqa idayisi. Dibanisa amanani amabini.
2. Thatha elo nani leenkozo ze-RI uzibeke kwindawo yee-RI ebhodini.
3. Msinyane emva kokuba neenkozo 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 ngeenkozo ze-RI ezilishumi ukuze afumane iphepha elinye le-RIO, aze omnye umdlali ayibhaqe 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 OOO.

Dibanisa isiphumo sedayisi ngethuba ngalinye, uze uthathe elo nani le-RIO engamaphepha. Owokuqala ukufikelela kwi-RI OOO nguye ophumeleleyo. Okanye, qala nge-RI OOO, 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-O nguye ophumeleleyo.



Teacher: _____
Sign: _____
Date: _____

Masiye ezivenkileni!



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	

a. Funa ixabiso leminqwazi kumqolo ngamnye.

b. UMaZondo uthenga omnye kuhlobo ngalunye lomnqwazi.

Ubhatala malini iyonke? _____

c. UButi uchitha ama-R450 iyonke. Uthenga umnqwazi 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!

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

Teacher: _____
Sign: _____
Date: _____

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: Osesidesikeni? _____

Ojikelezayo? _____

Osenkundleni? _____



Usuku lwemithi

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

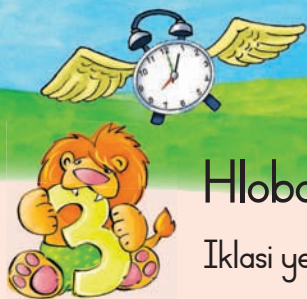


Klipspruit	       
Mthonjeni	     
Sonskyn	        
Thuthong	   
Mosiba	       

Isikolo ngasinye sityala imithi emingaphi?

eKlipspruit	eMthonjeni	eSonskyn	eThuthong	eMosiba

Mingaphi imithi etyalwe zizikolo iyonke? _____



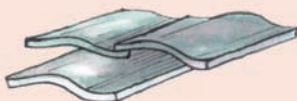
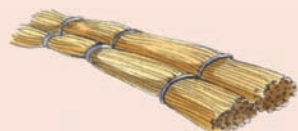
Hlobo luni lophahla?

Ikasi 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!

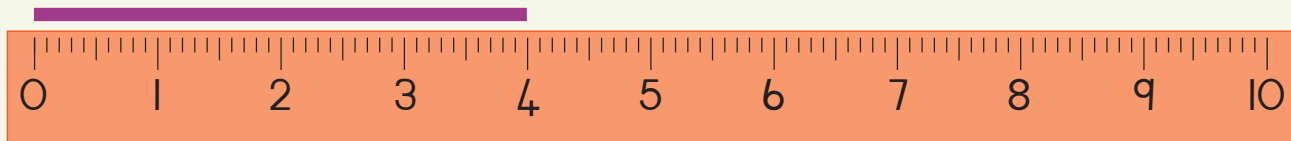
Teacher: _____
Sign: _____
Date: _____

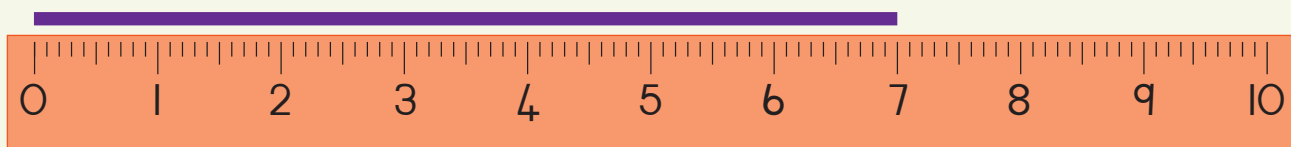
Ukusebenza ngeesentimitha

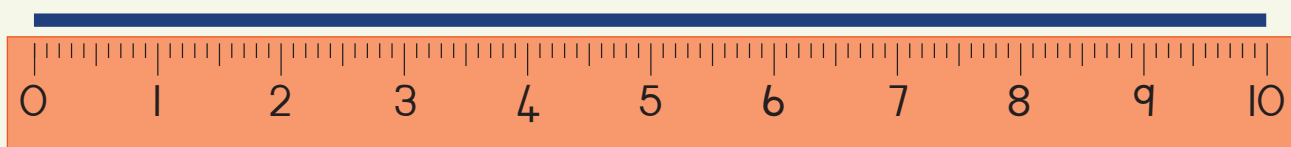
Ikota 4



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 obungange-7 cm, ezuba ibilingana nee-5 cm, eluhlaza yona ibingange-6 cm, emthubi ingange-11 cm, emsobo ingange-12 cm, e-orenji ilingana nee-9 cm, enebala elimdaka ingange-14 cm, emnyama ingange-8 cm, epinki ingange-13 cm yaze emhlophe yangange-15 cm.



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



Ama-700 ukuya kuma-800



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.

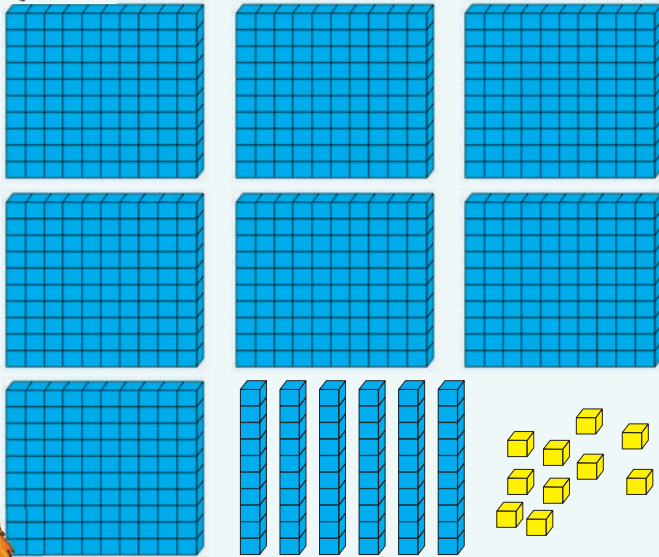
751; _____; _____; _____; _____; _____; _____; _____; _____; 773

- 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



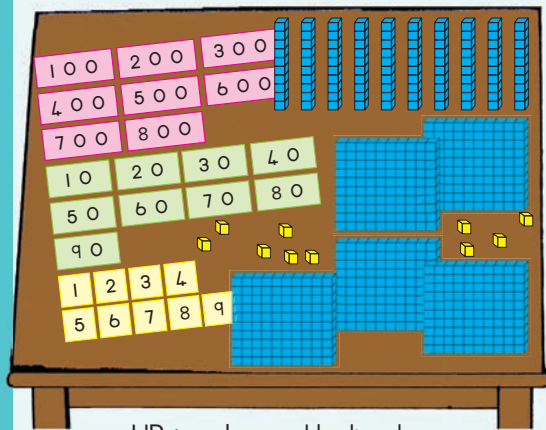
Teacher:

Sign:

Date:

Amanye amanani aqala kuma-700 ukuya kuma-800

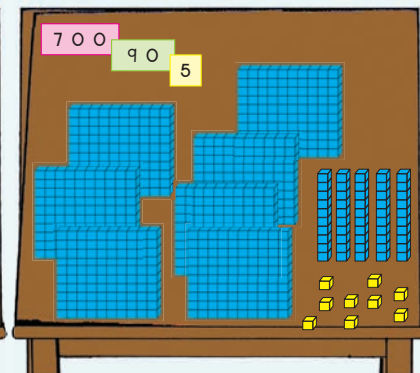
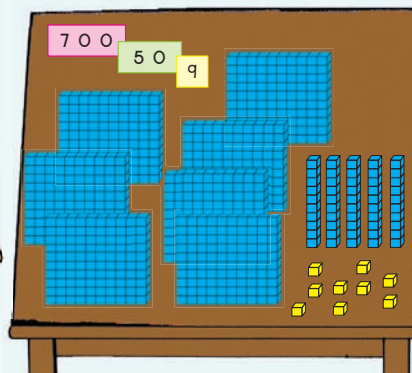
Ikota 4



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

$700 + 50 + 9 =$

$700 + 90 + 5 =$



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.

a. Yakha inani ngalinye ngamakhadi akho.

b. 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: _____

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.

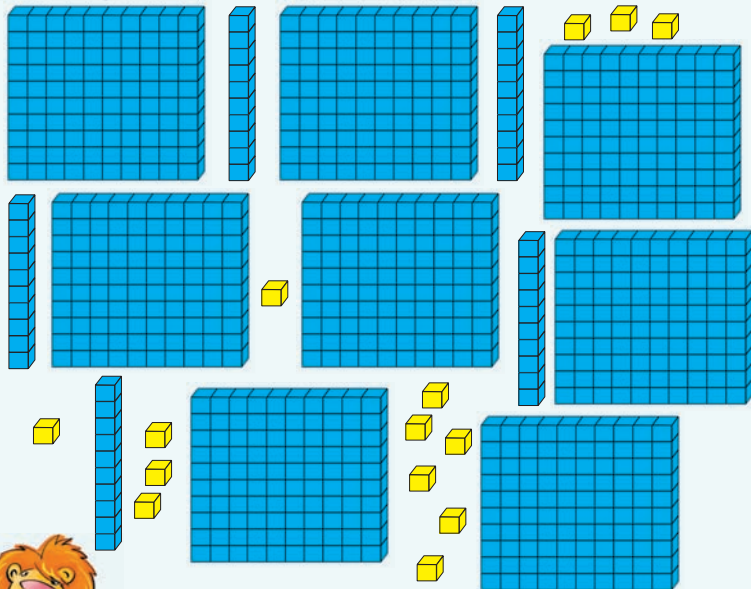
807; _____; _____; _____; _____; _____; _____; _____; _____; 829

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

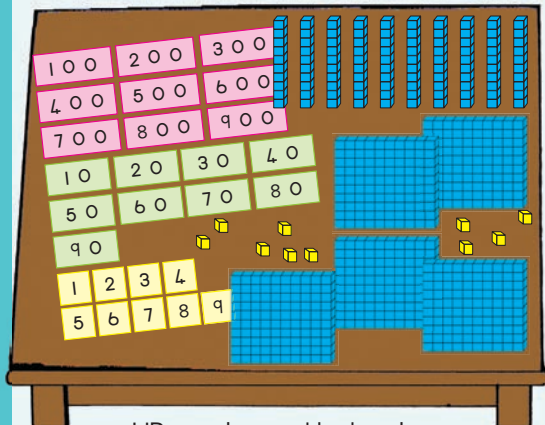
Teacher: _____

Sign: _____

Date: _____

Amanye amanani aqala kuma-800 ukuya kuma-900

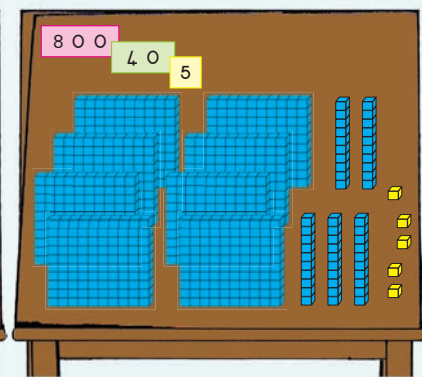
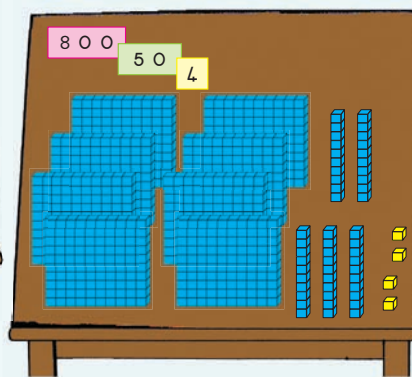
Ikota 4



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.

Base ten blocks showing 800 (8 hundreds), 80 (8 tens), and 5 (5 ones) blocks.

$800 + 80 + 5 = 885$

Base ten blocks showing 800 (8 hundreds), 50 (5 tens), and 4 (4 ones) blocks.

$800 + 50 + 4 = 854$

Base ten blocks showing 800 (8 hundreds), 40 (4 tens), and 5 (5 ones) blocks.

$800 + 40 + 5 = 845$



Bhala isivakalisi samanani wandule ukubhala impendulo.

Base ten blocks showing 800 (8 hundreds), 50 (5 tens), and 2 (2 ones) blocks.

$800 + 50 + 2 =$

Base ten blocks showing 800 (8 hundreds), 90 (9 tens), and 7 (7 ones) blocks.

$800 + 90 + 7 =$

Base ten blocks showing 800 (8 hundreds), 3 (3 ones) blocks.

$800 + 3 =$



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.

a. Yakha inani ngalinye ngamakhadi akho.

b. 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	



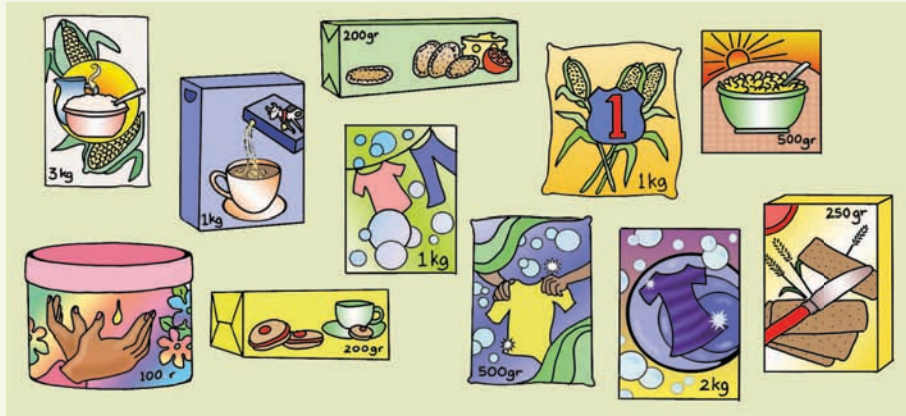
Teacher: _____
Sign: _____
Date: _____

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-4.5 kg.

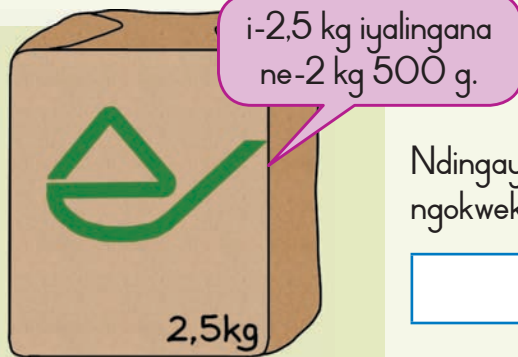
Imveliso zizonke zinobunzima obungakanani?



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?



Gqibezela itheyibhile

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

Into	Uqikelelo	Umlinganiselo	Umahluko phakathi koqikelelo nomlinganiselo



Imveliso zinobunzima obungakanani zidibene?

Imveliso 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

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.

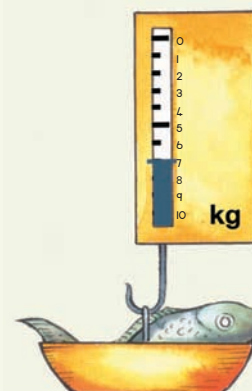
Ubunzima sibulinganisa ngeekhiilogrem nangeegrem.

Izikali ezahlukeneyo

Sisebenzisa iintlobo ezahlukeneyo zezikali xa silinganisa ubunzima.

Silinganisa imasi ngebhalansi kanti ubunzima sibulinganisa ngesikali sesipringi.

Ilitha yamanzi inemasi engange-1 kg.

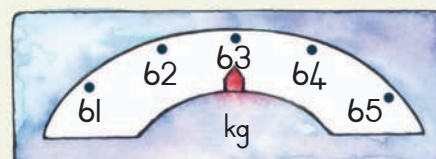


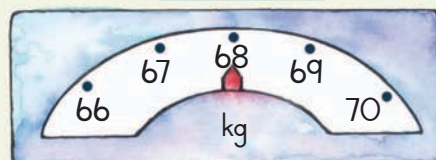
Le ntlanzi inobunzima be-3 kg.

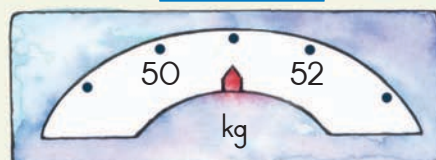


Funa ubunzima

Bhala ubunzima ngokwe-kg njengoko kubonisiwe kwisikali ngasinye.

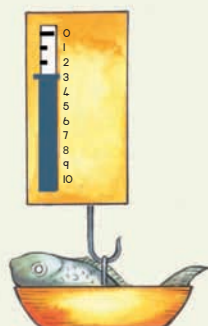










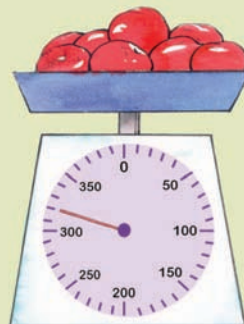




Sisebenzisa iigrem ukulinganisa ubunzima bezinto ezincinane okanye ezikhaphu-khaphu nokulinganisa amaqhezu ekhilogrem.

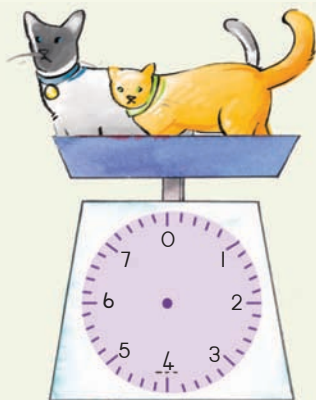
$$1\ 000\text{ g} = 1\text{ kg}$$

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

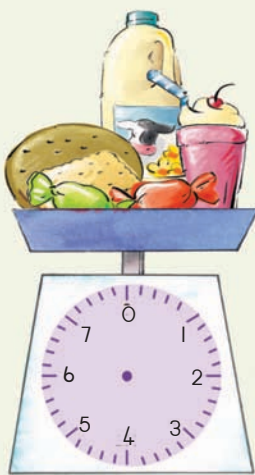


Zinzima kangakanani?

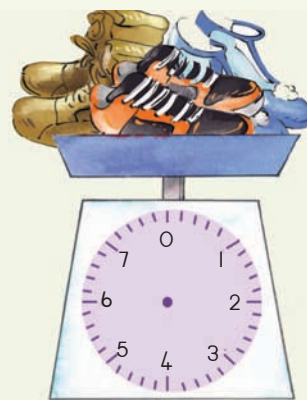
Zoba ukuba usiba lufanele ukuya ngaphi kwisikali ngasinye.



7 kg



4 kg



6 kg



Yenza ikhilogrem

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

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



Teacher: _____
Sign: _____
Date: _____

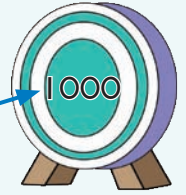
Amanani ukusuka kuma-900 ukuya kwi-1 000



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.

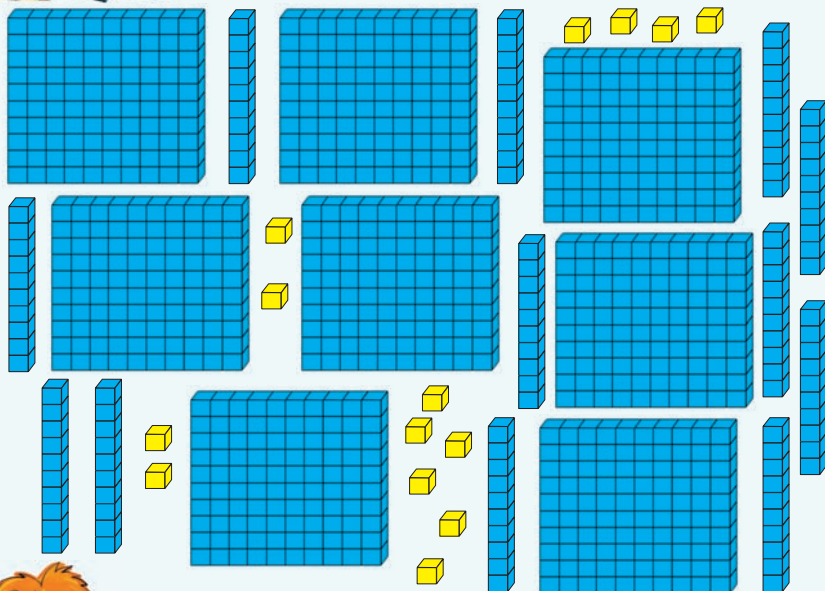
945; _____; _____; _____; _____; _____; _____; _____; _____; _____; 967

- 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:

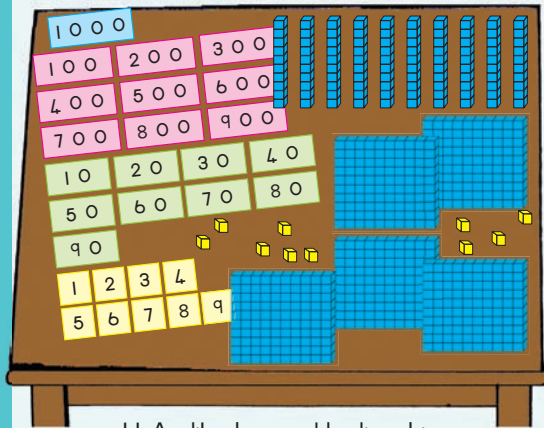
Sign:

Date:

Amanye amanani

aqala kuma-900 ukuya kwi-1 000

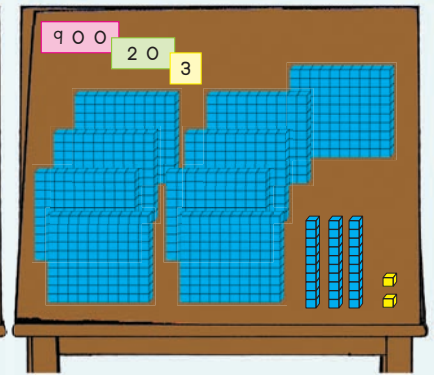
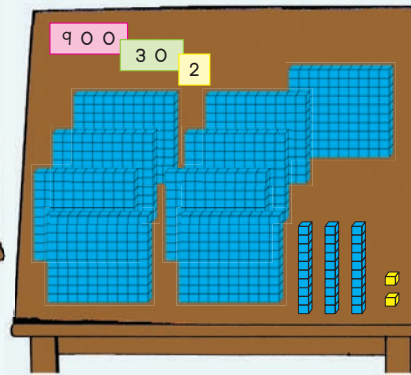
Umhla:



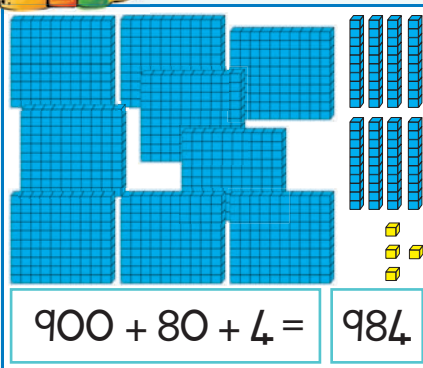
U-Andile ebenamakhadi exabiso
lendawo neebloko zamashumi.

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

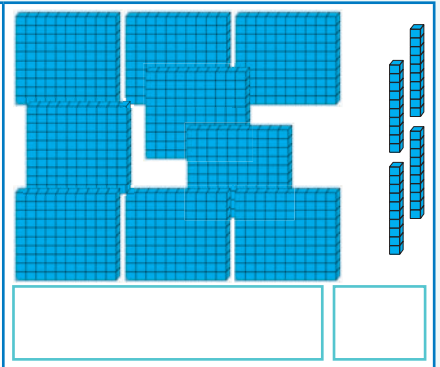
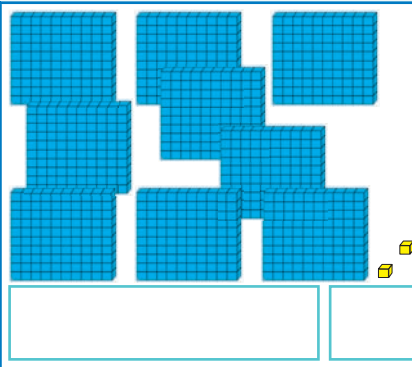
UGugu ubonise oku. Yintoni
angayenzanga kakuhle?



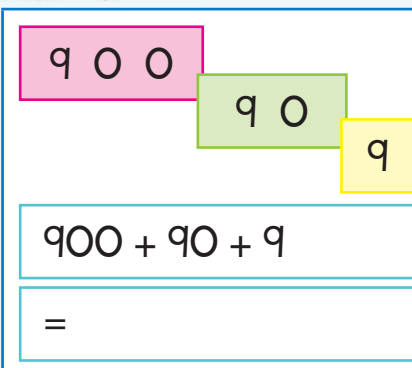
Bhala isivakalisi samanani uze uphendule.



$$900 + 80 + 4 = 984$$

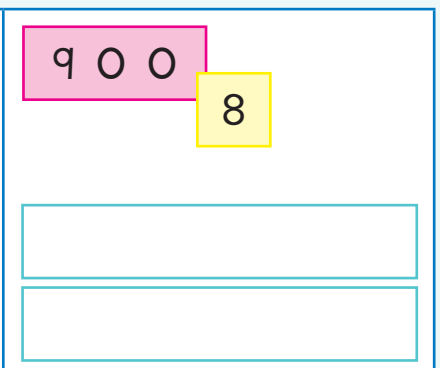
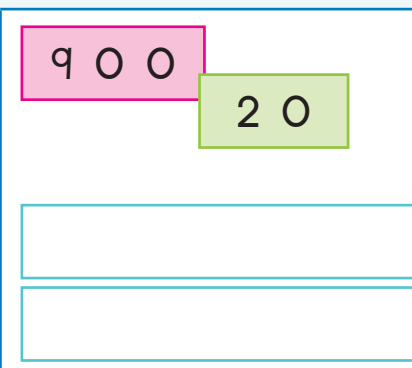


Bhala isivakalisi samanani uze uphendule.



$$900 + 90 + 9$$

=





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

9 0 0

8 0

4

9 8 4

984

$900 + 80 + 4$



Bhala la manani ngamagama.

976	
905	
950	
821	
909	



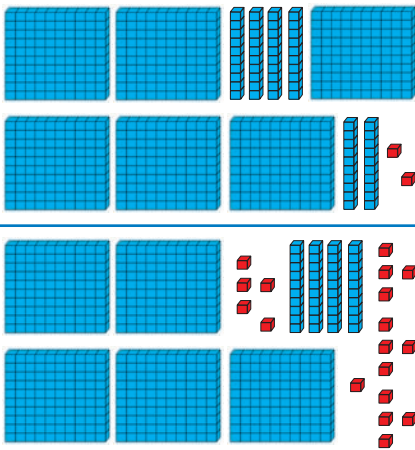
Teacher: _____
Sign: _____
Date: _____

Ukudibanisa nokuthabatha ukususela kuma-999

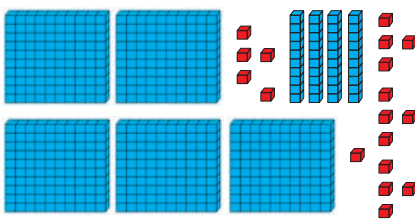
Ikota 4



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

a. Phinda-phinda kabini ama-340

$$= 340 + 340$$

= Phinda-phinda kabini ama-340

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

$$= 600 + 80$$

$$= 680$$

b. $340 + 341$

= Phinda-phinda 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



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 iimililitha (ml) ze-oyile azisebenzisayo ukusukela ngoMvulo ukuya kutsho ngeCawe?
_____ ml

b. Zingaphi iimililitha (ml) ze-oyile azisebenzisayo ngeCawe? _____ ml

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

Ingaba iibhotile ezi-4 ziyimalini? _____.



Qwalasela!
Thelekisa!
Lungisa!



Teacher: _____
Sign: _____
Date: _____

Ukusebenza ngemali



Bala imali eziinkozo nengamaphepha.

$10 \times \text{R10} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{R10} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{R10} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R10} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{R20} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{R20} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{R20} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R20} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{R50} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{R50} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{R50} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R50} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$
$10 \times \text{R100} = \text{R} \underline{\hspace{1cm}}$	$20 \times \text{R100} = \text{R} \underline{\hspace{1cm}}$	$50 \times \text{R100} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R100} = \text{R} \underline{\hspace{1cm}}$

$100 \times \text{R10} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R50} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R100} = \text{R} \underline{\hspace{1cm}}$
$100 \times \text{R20} = \text{R} \underline{\hspace{1cm}}$	$100 \times \text{R1} = \text{R} \underline{\hspace{1cm}}$	



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.

Lijimalini itikiti elinye? Phawula (✓) impendulo echanekileyo:

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

Qwalasela!
Thelekisa!
Lungisa!



Isirhoxo sikaSandile

USandile ubhala phantsi yonke ingeniso yakhe kwitheybhire.

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

		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.

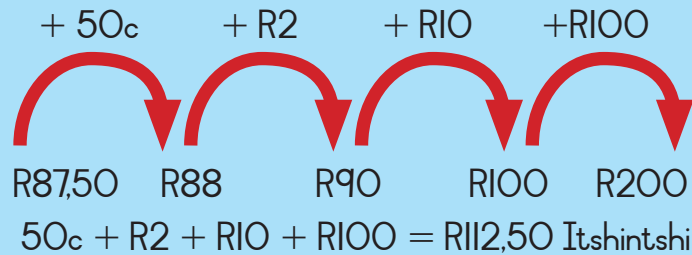
Ukuze ufumane itshintshi kufuneka udibanise kwixabiso lezinto ozithengileyo nakwimali engamaphepha oyibhateleyo.

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



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?

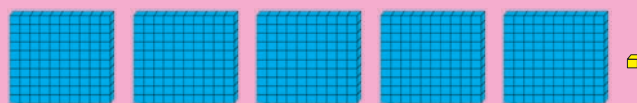
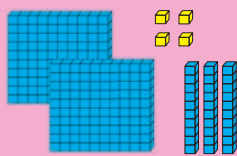
Leliphi igama elibalulekileyo? Ezinye ngaphezulu

Athini amanani? Ama-234 nama-501

Masibonise ngeebloko zamashumi.



ULisa uyisombulule ngale
 ndlela le ngxaki kaGugu.



U-Aakar wenze ngolu hlobo.
 Wenze umzobo.



Iibloko 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.

UThembi uqokelela izinto ezinokuhlaziywa kwakhona zeprojekthi yesikolo.

Uqokelele iibhotile zepulasitiki ezingama-624 neetoti ezingama-268.

Zingaphi izinto aziqokeleleyo?

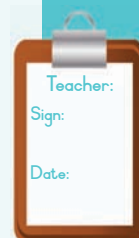
Uthini umbuzo? _____

Athini amanani?	Leliphi igama elibalulekileyo? Phawula impendulo echanekileyo. Igama elibalulekileyo lisiyalela ukuba: Sidibanise Sithabathe
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: Sidibanise Sithabathe
Bonisa ngomzobo.	Sombulula le ngxaki usebenzise eyakho indlela yokubala.



Okunye ukudibanisa nokuthabatha ukuya kuma-999

Jonga idayagramu uze uyichaze.



Gqibezela oku kulandelayo:

a. $223 + 223 =$ _____.

b. $160 + 160 =$ _____.

c. $115 + 115 =$ _____.

d. $315 + 315 =$ _____.

e. $117 + 117 =$ _____.

f. $450 + 450 =$ _____.

h. $112 +$ _____ $= 224$

g. $116 +$ _____ $= 232$



Bhala amanani

a. i-12 ngaphezu kwama-523 lenza _____.

b. i-15 ngaphantsi kwama-540 lenza _____.

c. ama-20 ngaphezu kwama-576 enza _____.

d. ama-60 ngaphantsi kwama-590 enza _____.

e. 537 thabatha 29 _____.

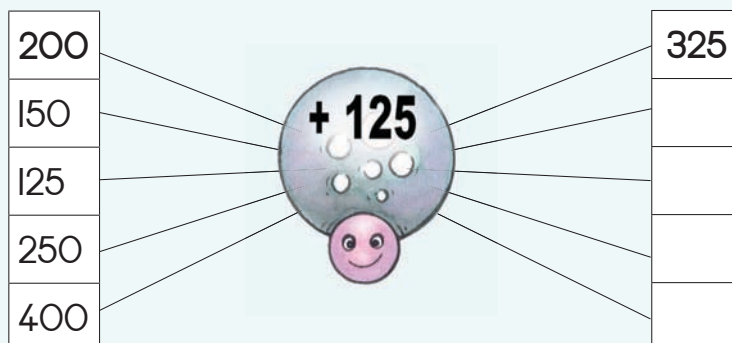
f. isiqingatha sama-300 li- _____.

g. ama-420 aphindwe kabini _____.

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:

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



Teacher: _____
Sign: _____
Date: _____



Iiphazile zokulinganisa



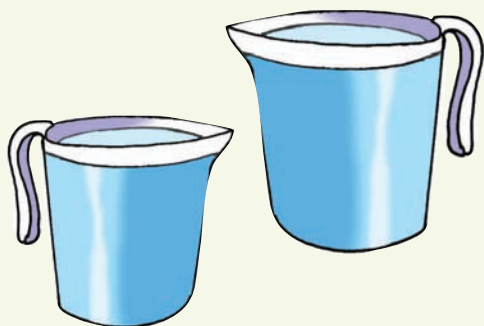
Fumana ieriya

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

a. _____	b. _____
c. _____	d. _____



Sombulula eli qhina



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

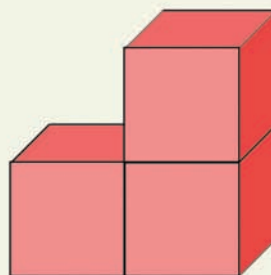
Umkhondo: zimbini iindlela onokwenza ngazo.



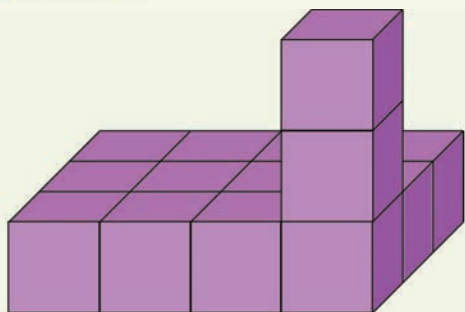
Ubona ntoni?

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!





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 iipatheni: ____
Anezangqa eziluhlaza: Sibala nge ____.	Bhala iipatheni: ____



Bala.

a. $874 + 10 + 10 + 10 =$ ____	b. $858 - 10 - 10 - 10 - 10 =$ ____
c. $845 + 10 + 10 =$ ____	d. $858 - 10 - 10 - 10 =$ ____
e. $836 + 10 =$ ____	f. $866 - 10 - 10 =$ ____
g. $892 + 10 + 10 + 10 =$ ____	h. $87 - 10 - 10 - 10 =$ ____
i. $880 + 10 + 10 =$ ____	j. $855 - 10 =$ ____



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 emgce = iinkuni ezili-100

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

Imigca emi-2 yeenyanda ezili-10 = ziinkuni ezi- _____

Imigca emi-4 yeenyanda ezili-10 = ziinkuni ezi- _____

Imigca eli-10 yeenyanda ezili-10 = ziinkuni ezi- _____



$$10 \times 10 = 100$$

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

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

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



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

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.

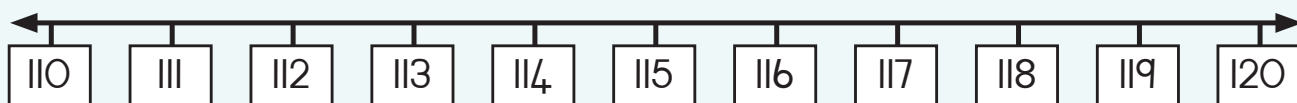


Sondeza kwelona shumi likufuphi.



i-114 elisondeziweyo li- _____

i-117 elisondeziweyo li- _____



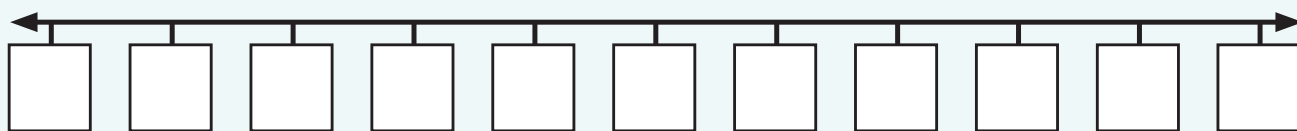
i-159 elisondeziweyo li- _____

i-151 elisondeziweyo li- _____

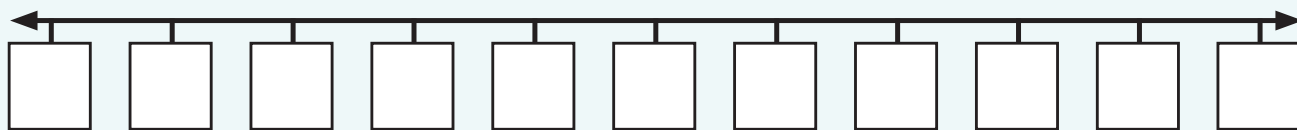


Sondeza kwelona shumi (10) likufuphi.
Zenzele umgca-manani wakho.

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 ebezigcinele 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: _____

Ukuphinda-phinda nokwahlula: izihlanu ukuya kwi-100

Ikota 4



Gqibezela izazobe zesigcawu.

esikufakayo

1
3
5
7
9

umthetho

× 5

isiphumo

esikufakayo

2
4
6
8
10

umthetho

× 4

isiphumo



Gqibezela itheyibhile engasezantsi:

×	1	2	3	4	5	6	7	8	9	10
5										



Bala:

$$12 \times 5$$

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

$$= 50 + 10$$

$$= 60$$

$$11 \times 5$$

$$13 \times 5$$

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

$$= 50 + 15$$

$$= 50 + 10 + 5$$

$$= 65$$

$$13 \times 5$$



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

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

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

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

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

$$13 \div 5$$

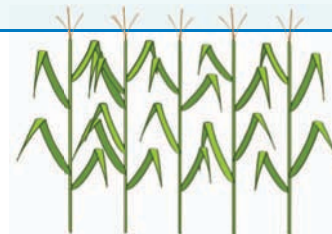


Bala ezi zibalo:

Igadi yemifuno inemiqolo eli-14 yezityalo.

Umqolo ngamnye unenani elilinganayo lezityalo.

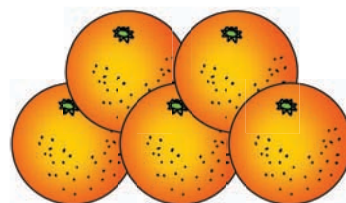
Ukuba kukho izityalo ezi-70, zingaphi izityalo ezikumqolo ngamnye?



UDavid uthengisa iingxowa ezineeorenji ezintlanu inye.

Uneeorenji ezingama-85.

Zingaphi iingxowa anokuzizalisa?



Ipatheni 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	970
971		973	974	975	976		978	979	980
981		983	984	985	986		988	989	990
991		993	994	995	996		998	999	1 000



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, _____	

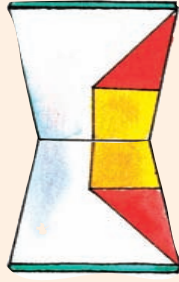


Teacher: _____
Sign: _____
Date: _____

Okunye ngolingano macala



Ispili, ispili.



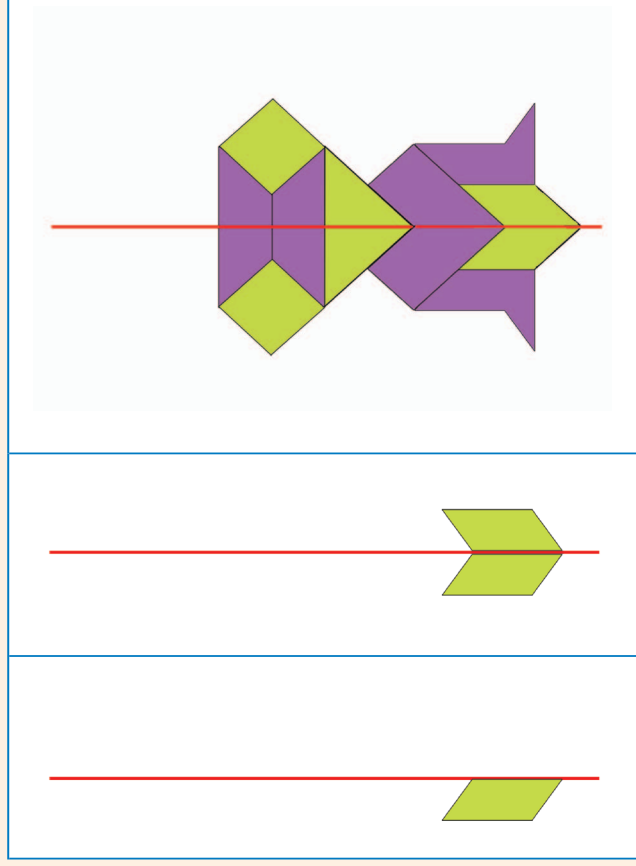
Dlala nomhlobo ngokusebenzisa enye yeeseti

zeephazili zeechajili (enamaqhekeza ali-14) ethathwe kumsiko IO.

Umdlali ngamnye unesiqingatha samaqhekeza (amaqhekeza asi-7) eemilo zephazili eziit-hajili.

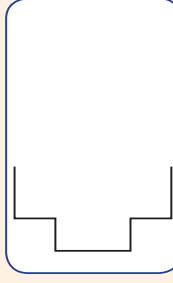
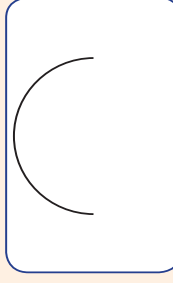
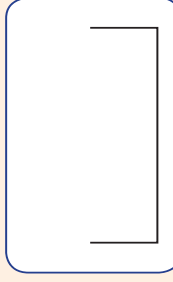
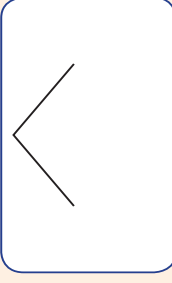
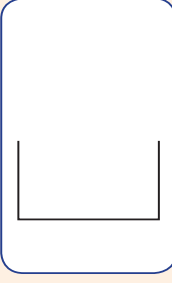
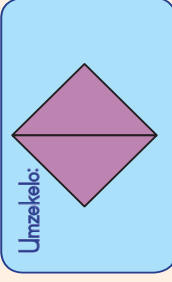
Makungabikho maqhekeza angoomatwatotse.

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

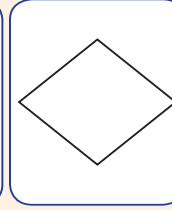
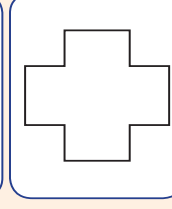
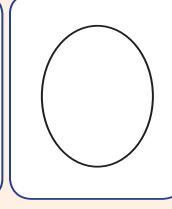
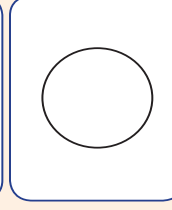
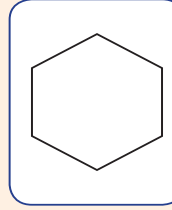
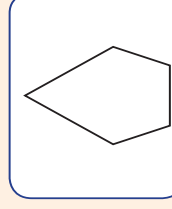
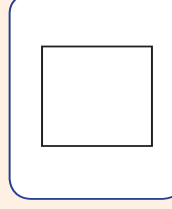


Zoba elinye icala lemilo.

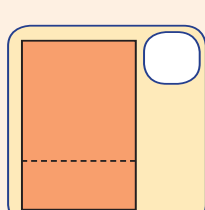
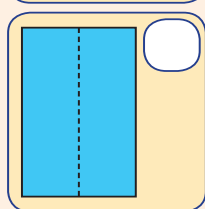
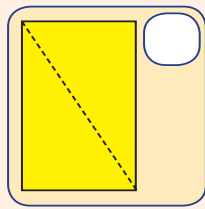
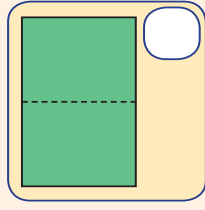
Ngoku bonisa umgca ofana ncam.



Krwela imigca kamatwatotse kwezi milo zilandelayo:



Phawula (✓) iimilo ezinemigca echanekileyo kamatwatotse.



Tipatheni 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 eyiphi 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) ecdleni kwenani elingumqakathi ne-(✓) ecdleni 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 _____.

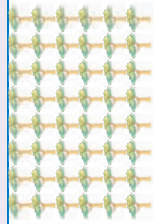
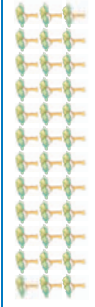
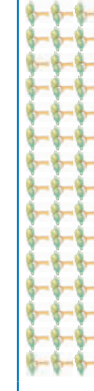
Ukutyala imithi.

Le yenye indlela yokutyala imithi engama-48 kwimiqolo elinganayo.



Singabhala oku: $2 \times 24 = 48$ (imiqolo emi-2 yemithi engama-24 = 48) okanye

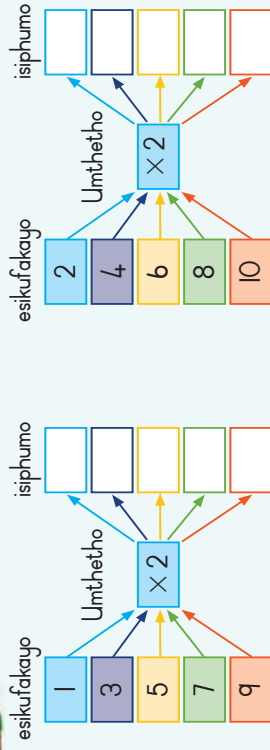
$48 \div 2 = 24$ (imithi engama-48 etyalwe kwimiqolo emi-2 elinganayo inika imithi engama-24 kumqolo omnye). Bala imiqolo kunye nemithi kumfanekiso ngamnye ongezantsi. Bhala isivakalisi samanani soku- $\times$ no $\div$ ukuze utshatise.

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

Ukuphinda-phinda nokwahlula: izibini ukuya kwi-100



Gqibezela izazobe zesigawu.



Gqibezela itheyibhile engasezantsi:

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



Bala:

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

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

$$74 \div 2$$

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

$$75 \div 2$$



Bala ezi zibalo:

Istitiya semifuno sinemiqalo ngama-32 yezityalo.

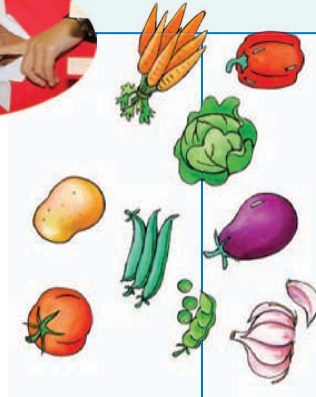
Umqolo ngamnye unezityalo ezi-2.

Zingaphi izityalo ezisesitijeni?

Istitiya semifuno sinemiqalo ngama-40 yezityalo.

Umqolo ngamnye unenani elilinganayo lezityalo.

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

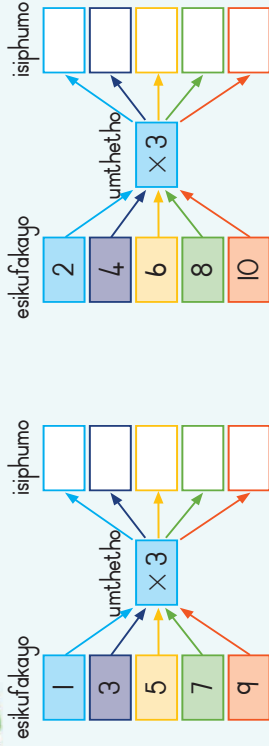


Teacher: _____
Sign: _____
Date: _____

Ukuphinda-phinda nokwahlula: izithathu ukuya kwi-100



Gqibezela izazobe zesigcawu.



Gqibezela itheyibhile engasezantsi:



×	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 uneekese ezingama-30.

Eli nani liziphinda kalishumi anazo uJabu.

Zingaphi iilekese anazo uJabu?

Igadi yemifuno ineniqolo engama-29 yezityalo.

Umqolo ngamnye unezityalo ezi-3.

Zingaphi izityalo ezisegadini?



Iipatheni zamanani:

izithathu ukuya kwi-1000

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



Bala.

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

Ibhodi yamanani
ukusuka kuma-901 ukuya kwi-1000

901		912	913	904		906	907		909	910
921	912	922		924	915	916		918	919	
931			933	934		936	937		939	940
	942		943		945	946		948	949	
951	952			954	955		957	958		960
961			963	964		966	967		969	990
	972	973		975	976			978	979	
981	982			984	985		987	988		990
991			993	994		996	997		999	1000



Fakela amanani angekhoyo.

Fakela umbala oluhlaza kwibloko zamanani ashiyiweyo. Fakela umbala obomvu kwibloko ezimhlophe ezinamanani. Yejiphi ipatheni oyibonayo?



Gqibezela ipatheni.

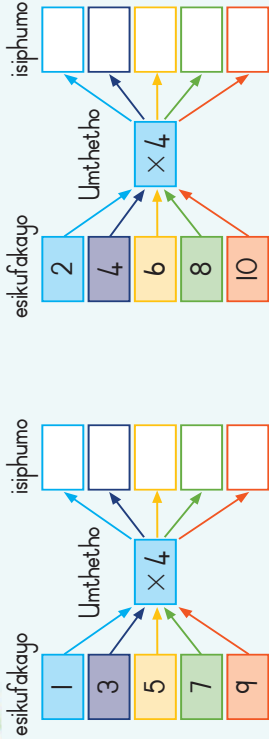
a. Dibanisa izithathu ezi-4 kuma-981.	984, 987, 990, 993
b. Dibanisa izithathu ezi-5 kuma-973.	_____
c. Thobatha izithathu ezi-4 kuma-975.	_____
d. Thobatha izithathu ezi-3 kuma-947.	_____
e. Dibanisa izithathu ezi-2 kuma-932.	_____

Umhlo:

Ukuphinda-phinda nokwahlula: izine ukuya kwi-100



Gqibezela izazobe zisigawu.



Gqibezela itheyibhile engazantsi:

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



Bala:

12×4 $= (10 + 2) \times 4$ $= 40 + 8$ $= 48$	11×4
13×4 $= (10 + 3) \times 4$ $= 30 + 12$ $= 30 + 10 + 2$ $= 52$	15×4

$$48 \div 6$$

$$= (40 + 8) \div 4$$

$$= (40 \div 4) + (8 \div 4)$$

$$= 10 + 2$$

$$= 12$$

$$64 \div 4$$

$$45 \div 4$$

$$= (40 + 5) \div 4$$

$$= (40 \div 4) + (5 \div 4)$$

$$= 10 + 1 \text{ int's } 1$$

$$= 11 \text{ int's } 1$$

$$49 \div 4$$



Bala ezi zibalo:

UTony uneelekese ezingama-36.

Utuya ilekese ezi-4 ngemini.

Uza kutya ilekese iintsuku ezingaphi?

UDavid uthengisa ipakethe ezineorenji ezine inye.

Uneorenji ezingama-88.

Angazalisa ipakethe 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 anezangga asibonisa eziphi iipatheni?

Anezangga eziluhlaza:	Ukubala nge _____.
Bhala ipatheni:	
Anezangga 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. $813 - 4 =$ _____	i. $847 - 3 - 3 - 3 =$ _____

Ibhodi yamanani
ukususele kuma-901 ukuya kwi-1 000

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



Fakela amanani angekhoyo.

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



Gqibezela iipatheni.

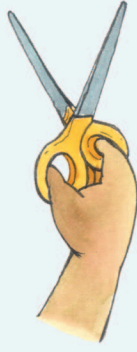
a. Dibanisa izine ezi-4 kuma-980.	984, 988, 992, 996
b. Dibanisa izine ezi-5 kuma-971.	_____
c. Thabatha izine ezi-4 kuma-963.	_____
d. Thabatha izine ezi-3 kuma-927	_____
e. Dibanisa izine ezi-2 kuma-938.	_____

Iinxalenye

ezilinganayo zento epheleleyo



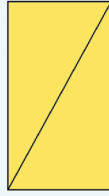
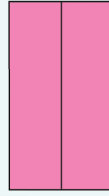
Isiqingatha esinye, nokuba sisikwe njani.



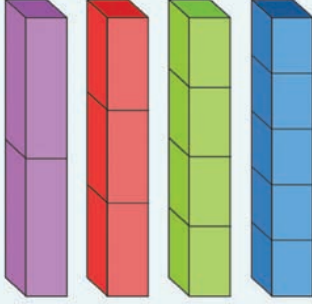
Sika iingxande kwiphepha elinemibala (kuMisiko II).

Funa iindlela ezahlukileyo zokwenza isiqingatha esinye.

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



Ezinye iinxalenye ezilinganayo zento epheleleyo



Xa sisahlula into ibe ziinxalenye **ezi-2** ezilinganayo, ezo nxalenye sizibiza ngokuba zisiqingatha okanye **i-hafu**.
Xa sisahlula into ibe ziinxalenye ezintathu ezilinganayo, ezo nxalenye sizibiza ngokuba zizithathu.
Xa sisahlula into ibe ziinxalenye ezine ezilinganayo, ezo nxalenye sizibiza ngokuba zizine okanye iikota.
Xa sisahlula into ibe ziinxalenye ezilinganayo ezintlanu, ezo nxalenye sizibiza ngokuba zizihlanu.



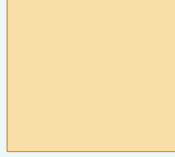
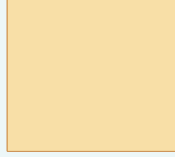
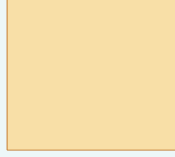
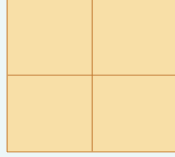
Amaqebengwane esonka esidlo sasemini.

UThabo ndabhalo 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.

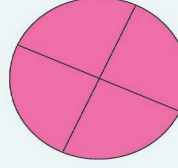
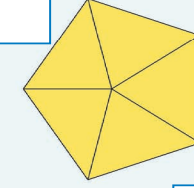
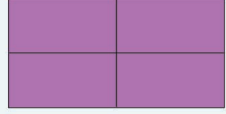
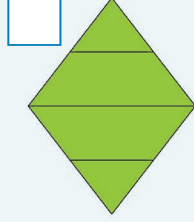
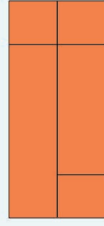
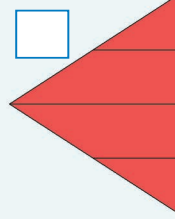
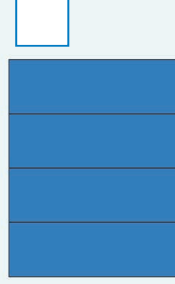


Ukwahlula ibe zizine.

Qwalaseli
Thelekisa
Lungisa!

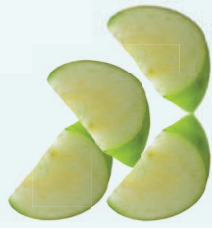
Xa sisika into ibe zikota ($\frac{1}{4}$), siyahlula ibe ziinxalenye ezine ezilinganayo.

Phawula (✓) imifanekiso engezantsi ebonisa iikota okanye izine.



Izibalo zamaqhezu

Xoxa ngamaqhezu nabahlobo bakho,



Sombulula ngokunika iimpendulo zale mibuzo nangokuzoba imifanekiso.

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

Zingaphi iorenji ezifunekayo? _____

Uthini umbuzo? _____

Ngawaphi amananani okanye amaqhezu akwesi sibalo? _____

Leliphi igama eliphambili? _____

Zoba umfanekiso.



Igama eliphambili ligama eliza kundinceda ekukhetheni isibalo esichanekileyo.

Itihini impendulo? _____

Umhla

b. Umama wam unika mna nabahlobo bam abali-11 ikota yecpile umntu emnye.

Kufuneka abe nama-apile amangaphi? _____

Ngawaphi amananani okanye amaqhezu kwesi sibalo? _____

Leliphi igama eliphambili? _____

Zoba umfanekiso.



Itihini impendulo? _____

c. Kwitheko lasesikolweni bebethengisa iikeyi eziqike zangamaqheza amathathu inye.

Kuthengiswe iqhezu kubantu abangama-24.

Zingaphi iikeyi eziqhengisiweyo? _____

Ngawaphi amananani okanye amaqhezu akwesi sibalo? _____

Leliphi igama eliphambili? _____

Zoba umfanekiso.



Itihini impendulo? _____

Izinto ezinemilinganiselo engu-3-D



Jonga imifanekiso.

Leliphi iqela elibonisa iibhola, iisilinda neebhokisi.



Khangelela imifanekiso emibini yento nganye uze uyincamathelelise 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.

Isilinda ineembuso ezimbini ezimcaba nobuso obunye obugobileyo.	Ikhowuni inobuso obunye obumcaba nobunye obugobileyo.	Isangqa sigobe macala onke.



Iyagqengeleka

Cinga ngendlela enokuqengeleka ngayo isilinda, ikhowuni okanye isangqa.

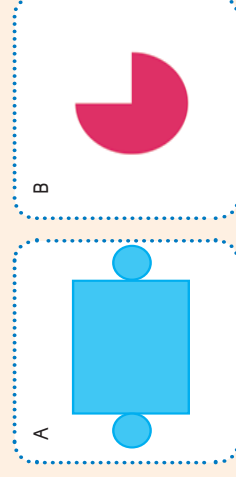
Kwezi zinto zingu-3, yeyiphi:

a. Engenokuqengelekela kude?	
b. Enokuqengeleka emqeni othe tye?	
c. Enokuqengelekela nakweliphi icala?	



Yintoni inethi?

Imilo emcaba enokusongeka yenze imilo eqinileyo ibizwa ngokuba yinethi.



Bhala unobumba wenethi enokusongwa ibe yikhowuni _____

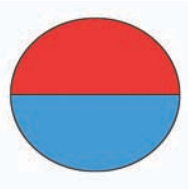
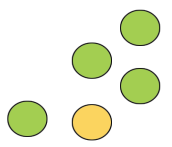
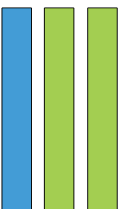
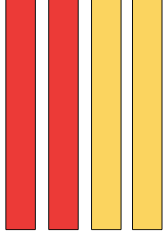
Bhala unobumba wenethi enokusongwa yenze isilinda _____

Amanye amaqhezu

Xela amaqhezu.

Bhala iqhezu lomfanekiso ongasezantsi.

Umhla:

	
a. Umbala obomvu uleliph i qhezu? _____	b. Umbala oluhlaza uleliph i qhezu? _____
	
c. Umbala ozuba uleliph i qhezu? _____	d. Umbala omthubi uleliph i qhezu? _____

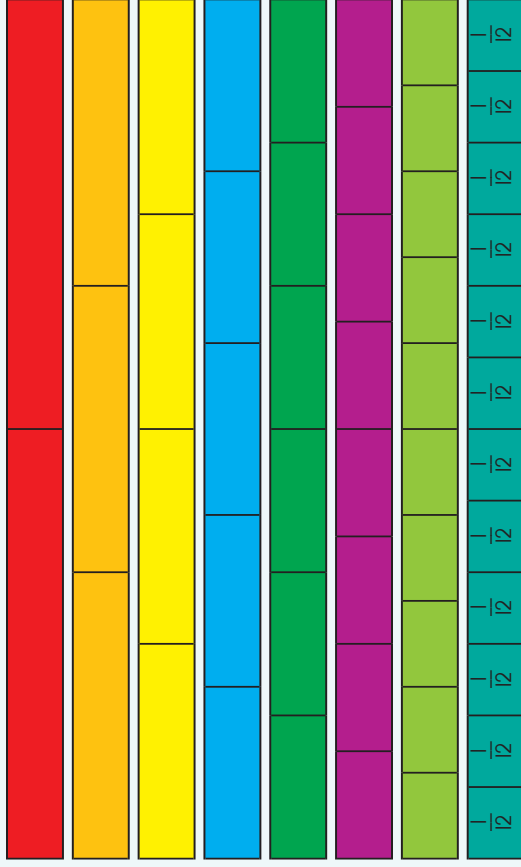


Phendula imibuzo.

- a. USizwe unamaqhekeza amane etshokolethi. Unika umhlobo wakhe iqhekeza elinye.
Liqhezu lini letshokolethi elishiyelekileyo? _____
- b. UYasmin uneorenji ezimbini. Wabelana noAnn ngeorenji enye.
Leleliph i qhezu anabo elishiyelekileyo? _____
- c. UMaria uthenga iitshokolethi ezi-5. Uziginela e-1, anike uMohamed ezi-2 umnqwabo ezi-2.
Liqhezu lini aziqinele lona uMaria? _____



Udonga lwamaqhezu



Umga ngamnye wahlulwe wazintlu ezilinganayo. Umga ongasezantsi wahlulwe waziinxenye zeshumi elinambini ($\frac{1}{2}$).

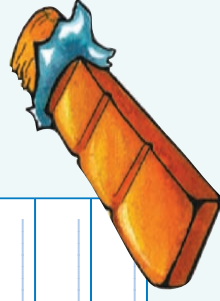
Phawula eminye imigca ngeqhezu elichanekileyo.

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:

a. isiqingatha $\frac{1}{2}$	_____
b. into enye (1) epheleleyo	_____
c. iikota ezintathu $\frac{3}{4}$	_____

Qwalaseli
Thelekisa!
Lungisa!



Okunye ukuqukanisa nokwabelana



Izibalo ezikhawulezileyo

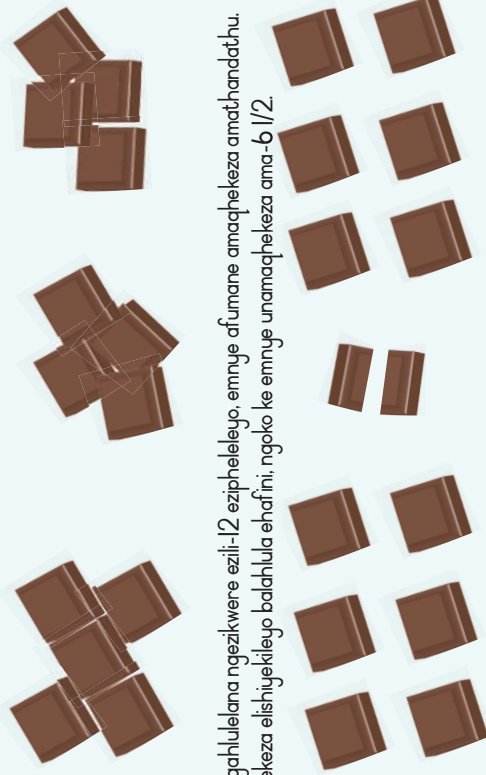
Khangela amakhonkco.

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



Yaba okushiyelekileyo

UJabu noLebo bafuna ukwabelana ngamaqhekeza etshakolethi ali-13. Uza kufumana amaqhekeza amangaphi emnye?



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

Umhle:

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



Emnye ufumana imicu e_____.

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

Emnye ufumana imicu e_____.

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

Emnye ufumana imicu e_____.

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

Emnye ufumana imicu e_____.



Amaqhezu ethengremu

IThengremu yiphazile yama Tshayina yakudala eyenziwe ziimilo ezi-7 ezincaba ezibizwa ngokuba ziitheni, ezithi xa zidituganisiwe zenze iimilo ezahlukeneyo.



Amaqhezu akwithengremu

	Jonga iphazile yethengremu. Unxantathu ngamnye onkhulu kwaba babini uliliphi 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 uliliphi iqhezu lesikwere?	_____
	Ukuba usonga unxantathu ophakathi abe ziinxalenye ezimbini ezilinganayo, inxalenye nganye ilingana nonxantathu ababini abancinci. (baluhlaza emfanekisweni.) Unxantathu ngamnye omncinci uliliphi iqhezu lesikwere esipheleleyo?	_____
	Ungadibanisa oonxantathu ababini abancinci ukwenza isikwere esincinci. Isikwere esincinci sililiphi iqhezu lesikwere esipheleleyo (sizuba emfanekisweni)?	_____
	Ungadibanisa oonxantathu ababini abancinci wenze ipharalelogram. Ipharalelogram ililiphi iqhezu lesikwere esipheleleyo?	_____



Ukusebenzisa ithengremu.

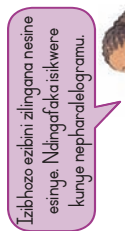
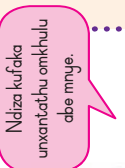
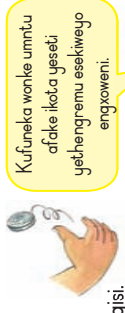
Sika iithengremu ezimbini kumsiko I2 uze uphawule iqhekeza ngalinye ngeqhezu lalo lesikwere esipheleleyo. (Ezi ziimilo zethengremu yakuqala.)
Bhala igama lakho ngemva kweqhekeza ngalinye ukuze ufumane iqhekeza lakho ukuphela komdlalo.



Umdlalo wamaqhezu wezabelo ezilinganayo.

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

1. Abadlali bayatshintshiselana ukuba ngumthengisi.
2. Umthengisi wenza isigqibo malunga neqhezu lethengremu eliza kufakwa ngumdali ngamnye engxoweni.
3. Umdlali uyaqashisela ukuba ukhozo lwemali luza kuvelisa intloko okanye umsila, aze umthengisi ajule imali phezulu.
4. Umthengisi wabela abo baqashisele kakuhle okusengxoweni ngokulinganayo. (Kungafuneka athengise iqhekeza elinye okanye ngaphezulu ukuze afumane amaqhekeza exabiso elilinganayo)
5. Intsalela ekhoyo engenakwabiwa ihlala engxoweni ilindele umjikelo olandelayo.
6. Bonke abadlali bayaqwalasela ukuze babone ukuba ngaba kwabiwa ngendlela efanelekileyo na.
7. Ukuba umdlali ufumana impazamo, umthengisi ubhatala isohlwayo se-1/8 sesikwere esipheleleyo kumdali othe wayiqaphela kuqala loo mpazamo.
8. Umdlali ongenawo amaqhekeza angathatha kwaseleyo engxoweni.
9. Umdlalo uyagqubeka bade bonke abadlali babe ngabathengisi.

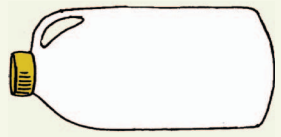




Ukulinganisa umthamo



Sebenzisa isikhongozelo sebhotele yepulasitiki nekomityi.



Ucinga ukuba zingaphi ikomityi ezinokuzalisa esi sikhongozelo?

Ikomityi (250 ml)



Akuyanzelelanga ukuba uxele ilitha okanye iimilitha Sebenzisa kuphela amagama athi 'ikomityi', 'ibhotile'.

Isikhongozelo esijilitha enye

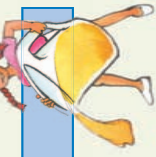
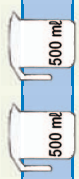


Yenza ilitha.

Fumana indlela yokwenza ilitha ngokusebenzisa imithamo eyahlukeneyo yolwelo.

Bhala isivakalisi samanani kwindlela nganye.

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



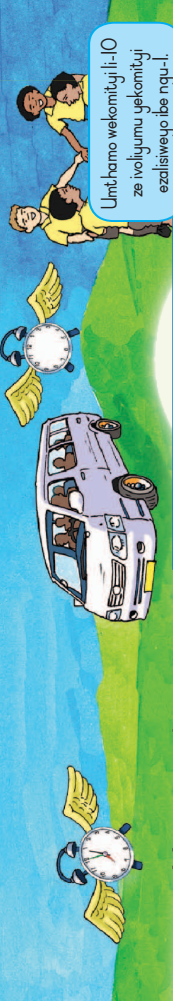
Isivakalisi samanani = 1000 ml (l)

Isivakalisi samanani = 1000 ml (l)

Isivakalisi samanani = 1000 ml (l)

Isivakalisi samanani = 1000 ml (l)

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

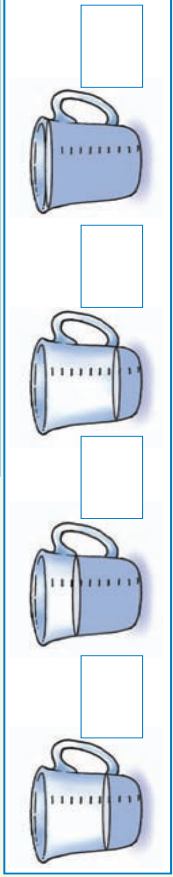
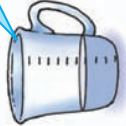


Yintoni ivoliyumu yekomityi nganye ezaliswayo?



Eli cephe lizalise ikomityi yafika kumlinganiselo wokuqala.

Umthamo wekomityi i-10 ze ivoliyumu yekomityi ezaliswayo ibe ngu-1.

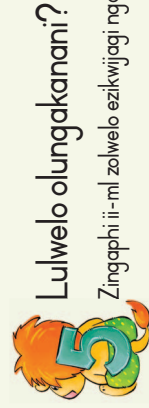
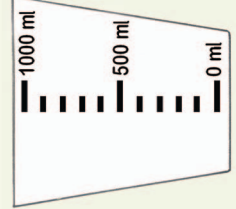


Silinganisa imithamo emincinci yolwelo ngeemilitha (ml).

Le komityi yokulinganisa iyeza iqulatha i-10 ml, elingana malunga neetisipuni ezimbini.

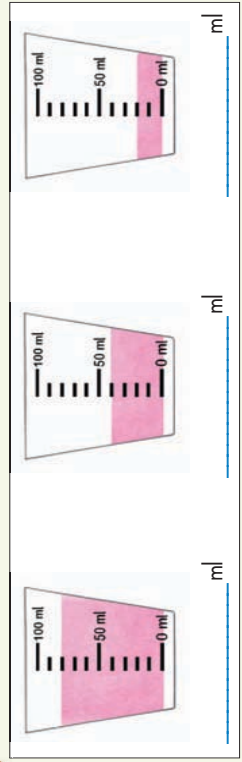
Imithamo emikhulu sijlinganisa ngeelitha (l).

Ziliwaka iimilitha ezenza ilitha.



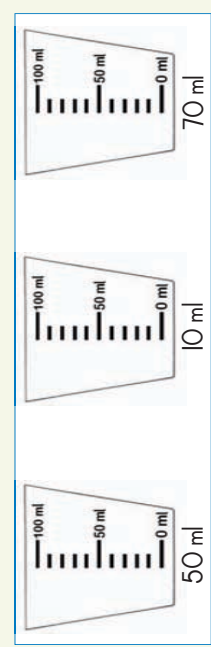
Lulwelo olungakanani?

Zingaphi ii-ml zolwelo ezikwijagi nganye?



Lulwelo olungakanani?

Faka umbala kwikomityi zamaayeza ubonise umthamo okwikomityi nganye.



Linganisa uze ugalele

Emdlalweni

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

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

Iilitha neemililitha (ml)

ilitha e-1 = 1 000 ml i- $\frac{1}{2}$ yelitha = _____ ml i- $\frac{1}{4}$ yelitha = _____ ml
125 ml = _____ yelitha 50 ml = _____ yelitha

Yenza isiqingatha selitha

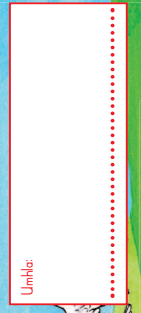
Phawula (✓) imithamo emi-3 eyenza isiqingatha selitha.

120 ml	140 ml	160 ml	28 ml	240 ml

Ubisi lukulungele!

Yaba ilitha ezi-4 zobisi phakathi:

- Kwabantwana abasi-8. Umntwana ngamnye ufumana ilitha ezi- _____
- Kwabantwana abali-16. Umntwana ngamnye ufumana ilitha ezi- _____
- Kwabantwana abali-12. Umntwana ngamnye ufumana ilitha ezi- _____



Ivenkile yejusi kaBongi

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

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

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

Yenza ilitha

50 ml	100 ml	200 ml	250 ml	500 ml

Zizikhongozelo ezingaphi kwisikhongozelo ngasinye ezenza ilitha enye?

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

Emva kwethoko.

Itheko likaThandi liphumile. Kukho iziselo ezishiyelekileyo.

Ingakanani ijusi emthubi eshiyekileyo? _____

Ingakanani ijusi emsobo eshiyekileyo? _____

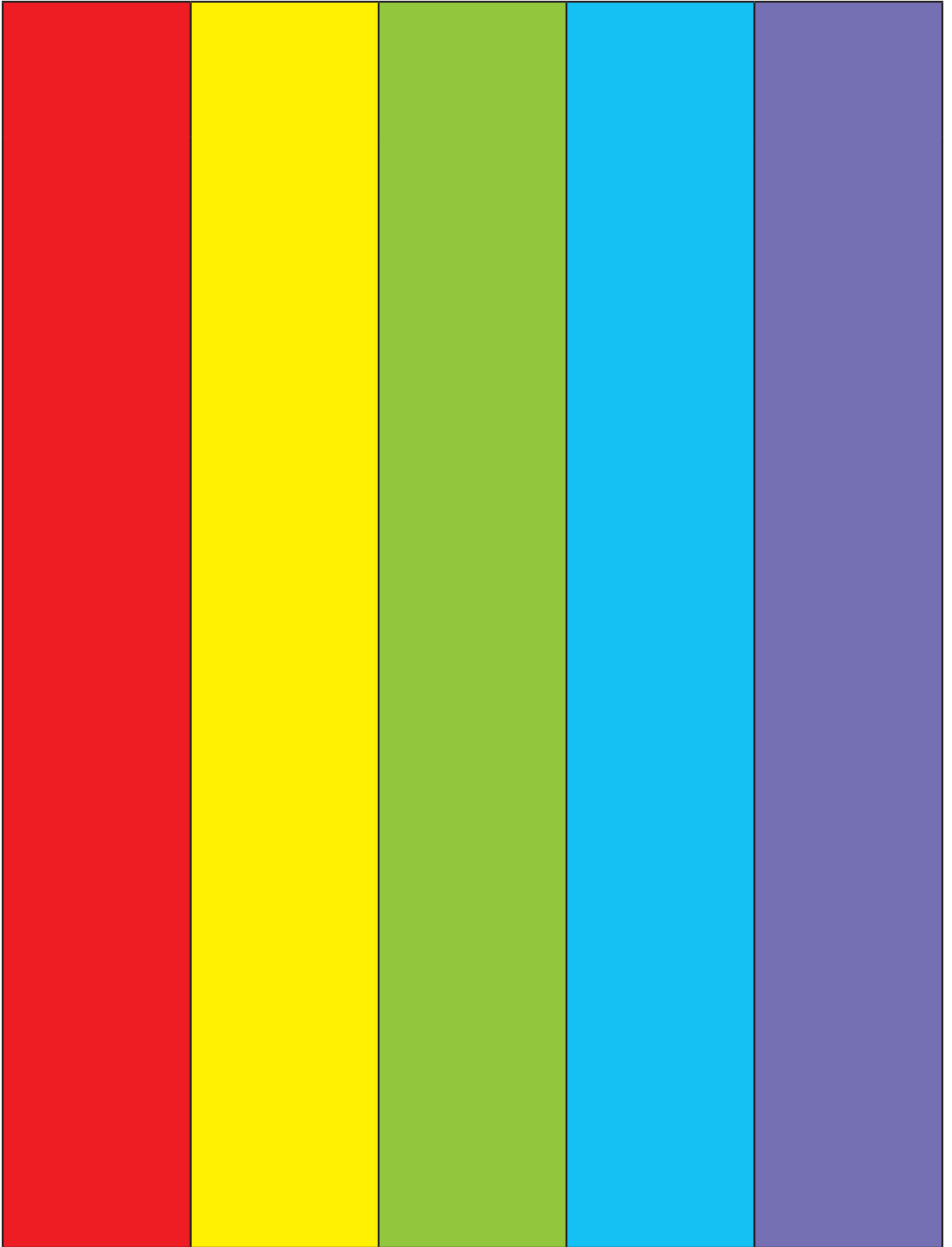
UThandi uzixuba zombini ezi jusi. _____

Zingaphi iigqi anokuzalisisa? _____

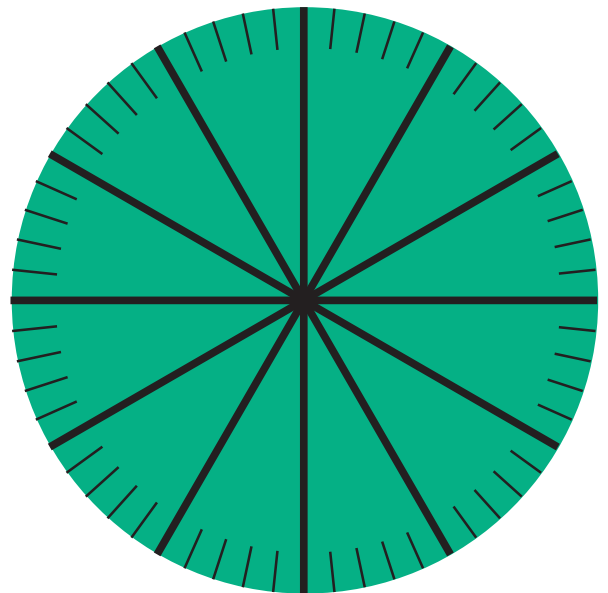
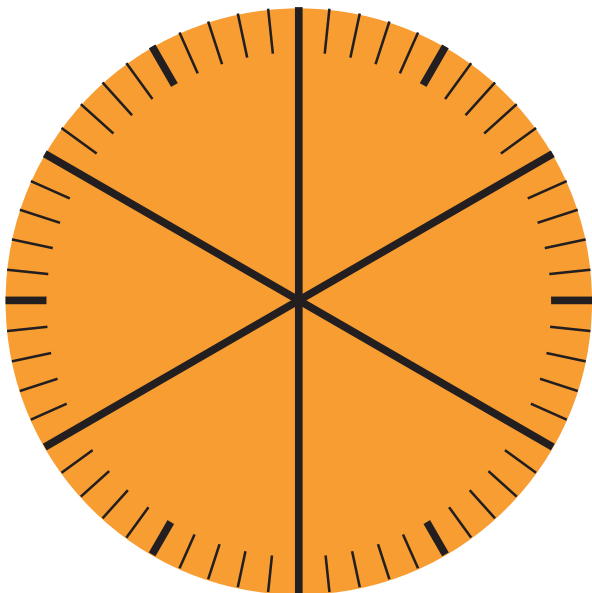
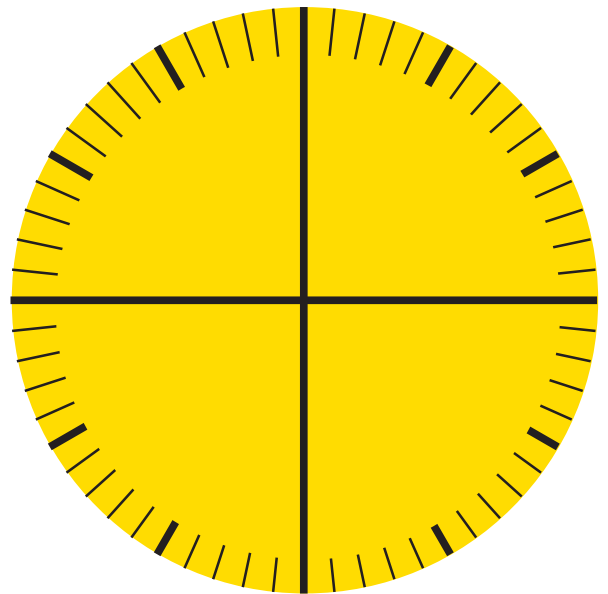
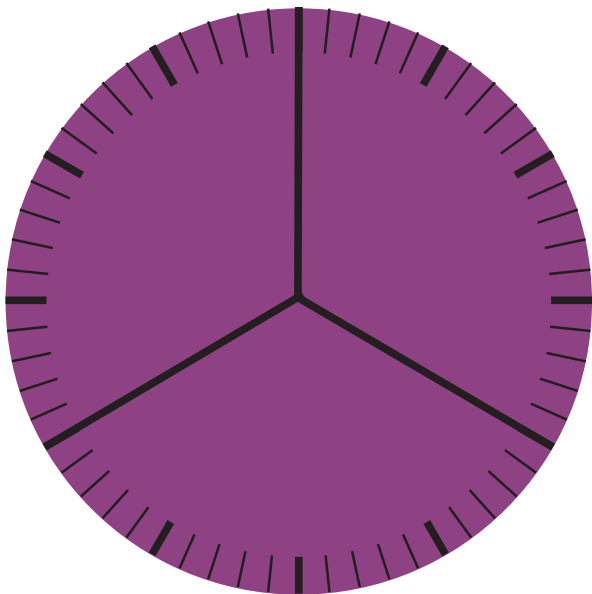
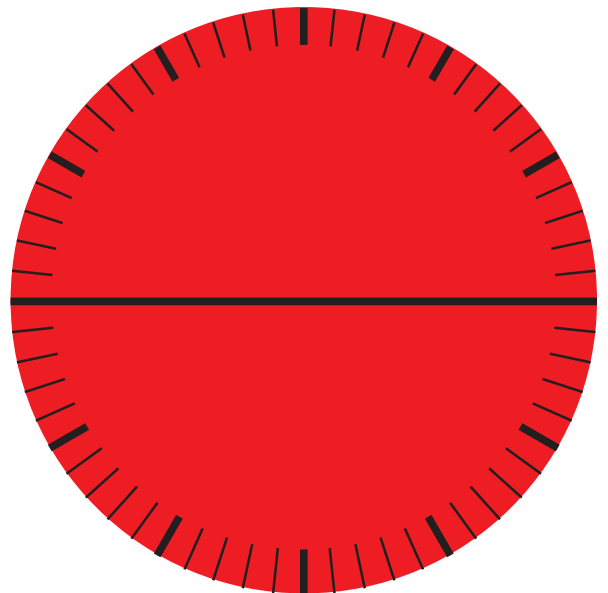
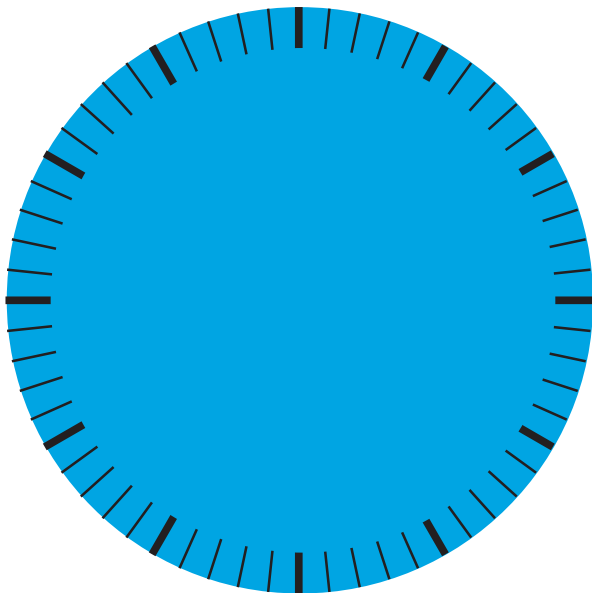


Khangela! Thelekisa! Lungisa!

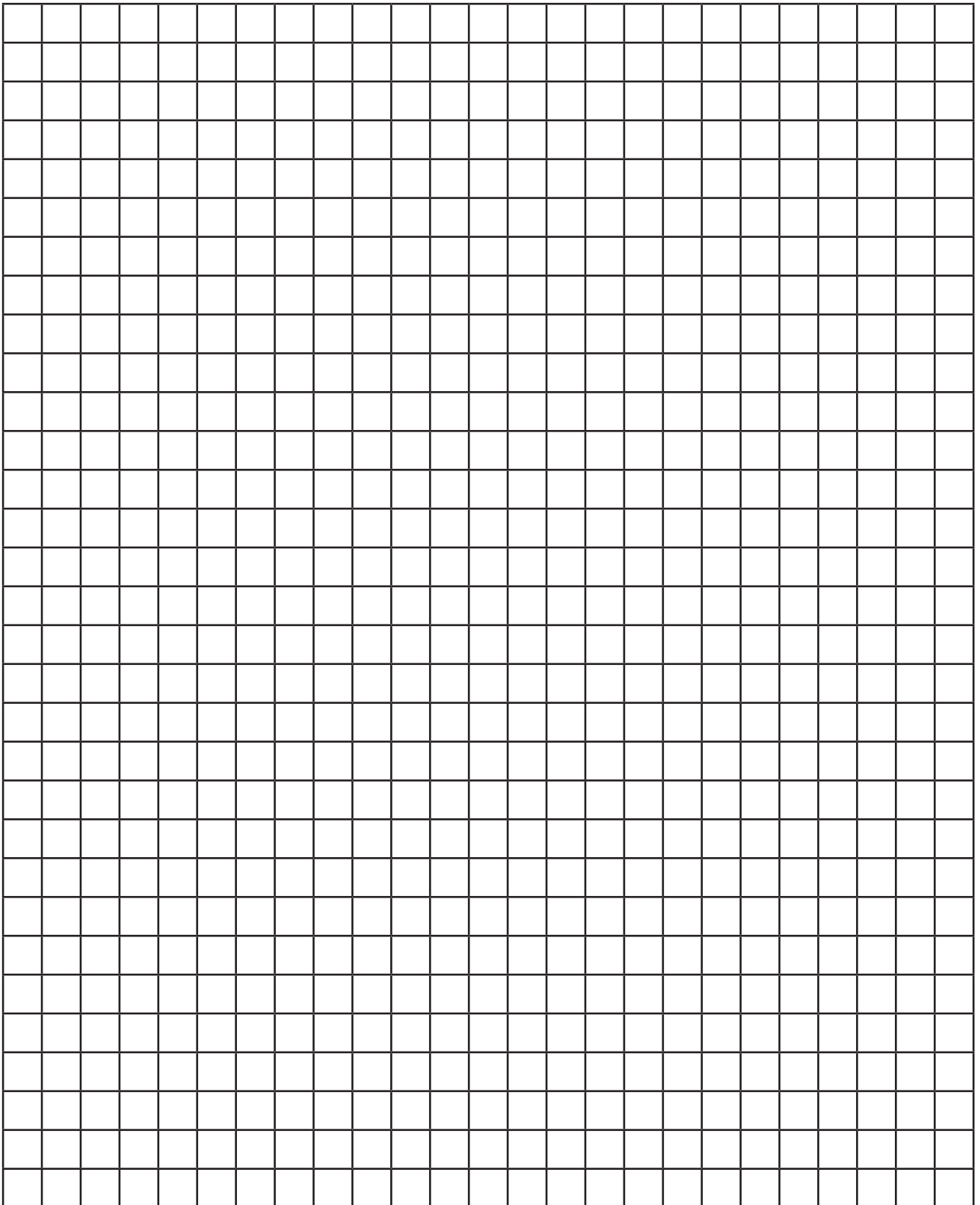
Umsiko 5



Umsiko 6



Umsiko 7



Umsiko 8

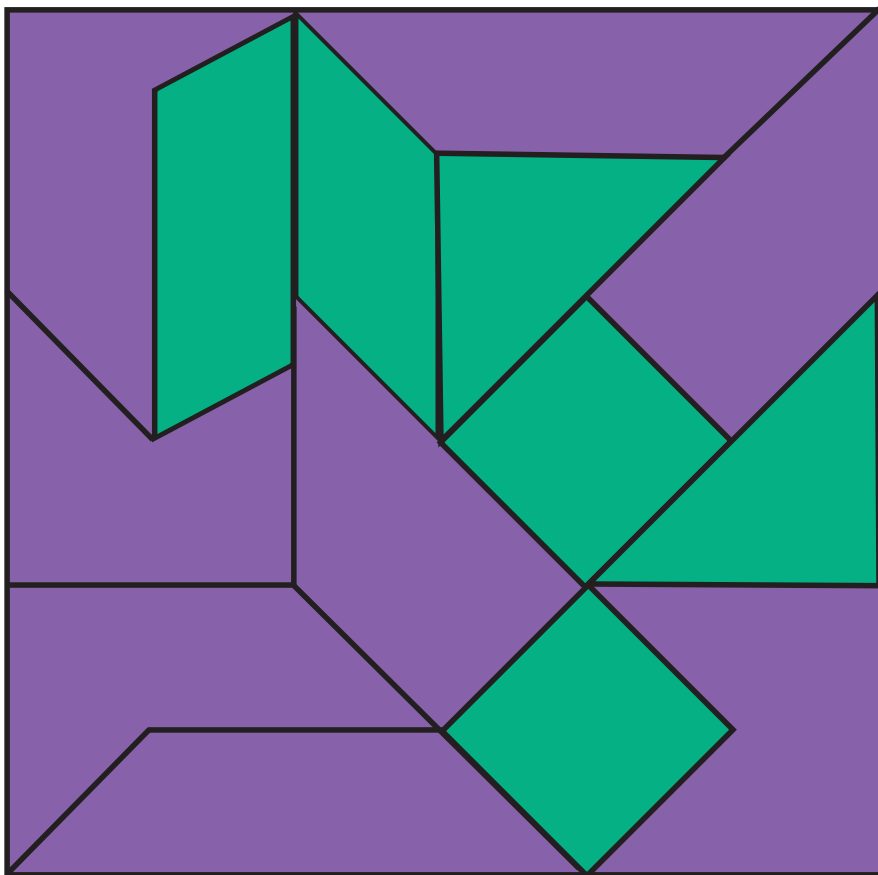
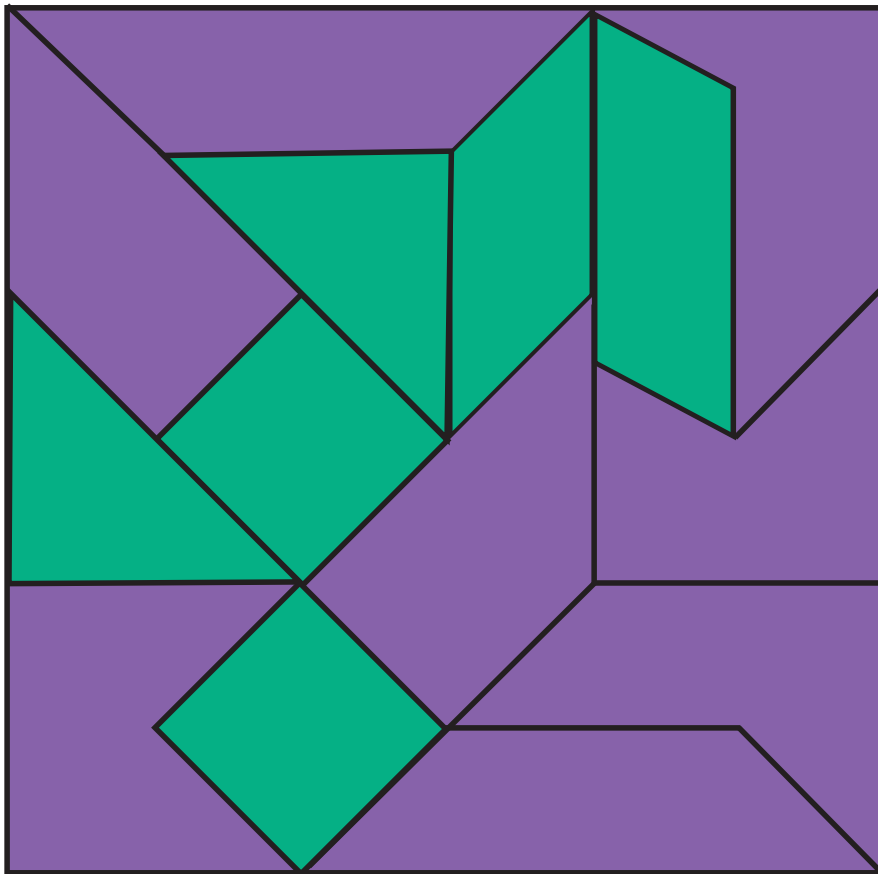
I_c	
IO_c	
RI_s	
RIO_s	
$RIOO_s$	

Umsiko 9

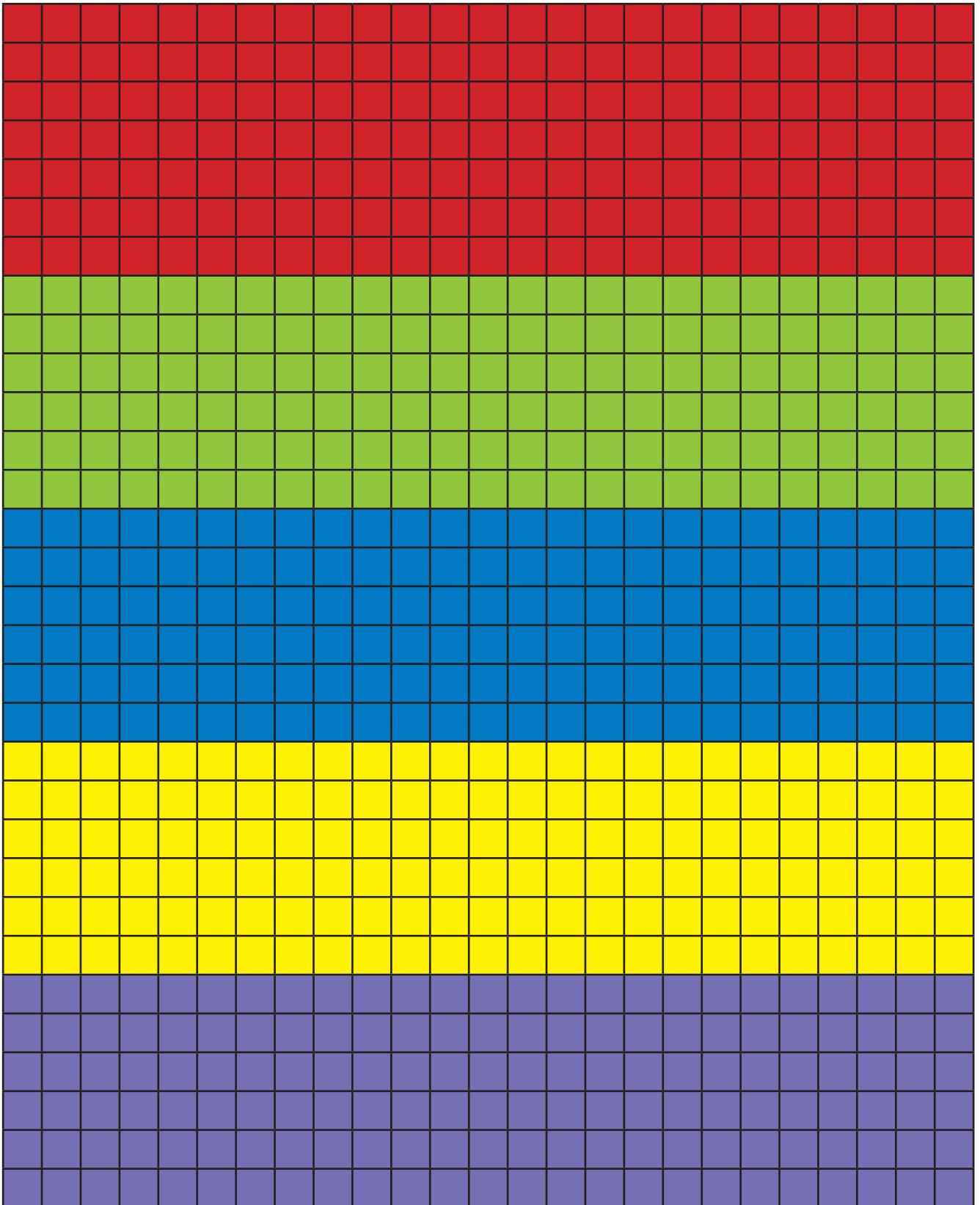
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO

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

Umsiko IO



Cut-out II



Cut-out 12

