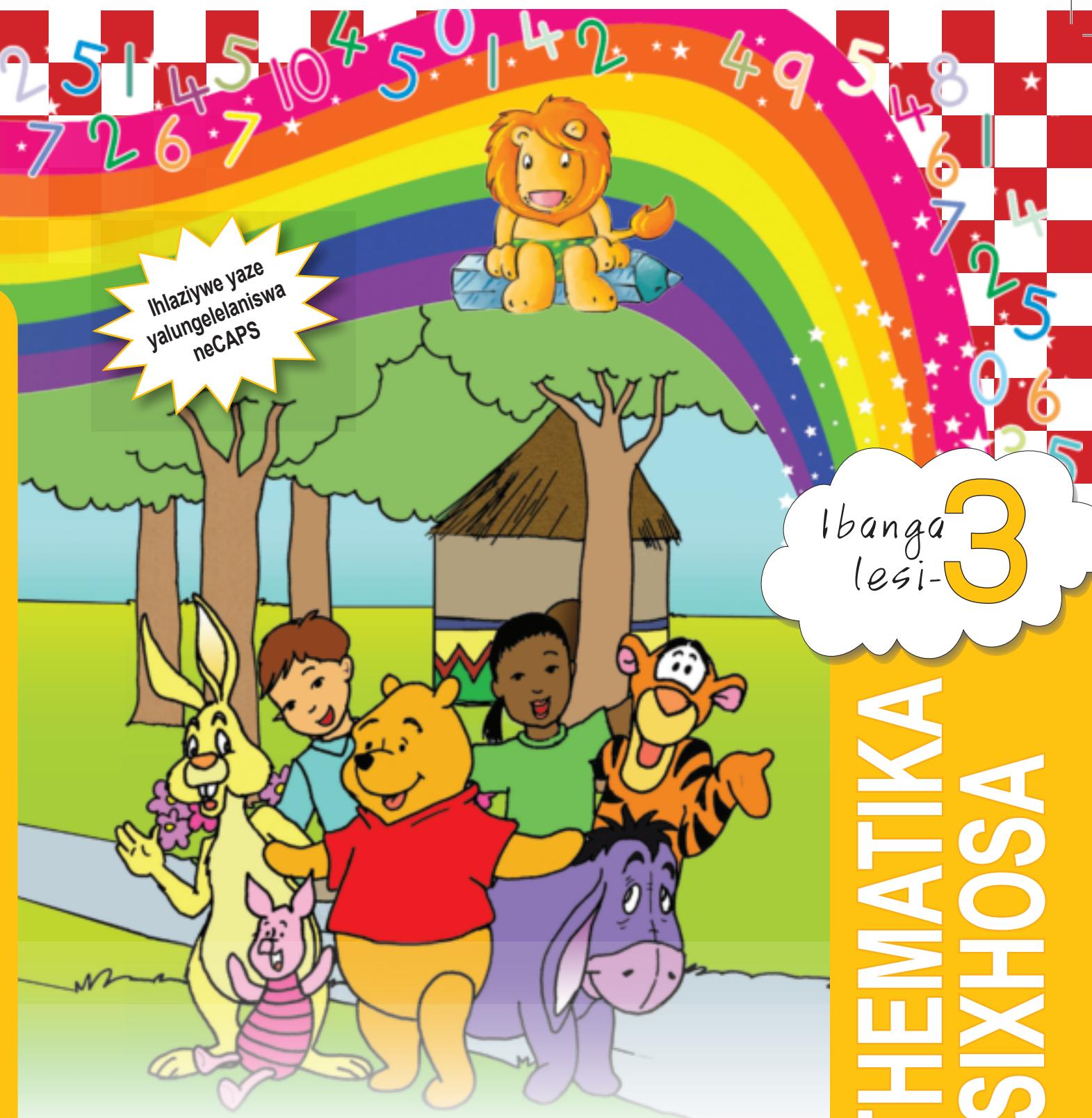


Ibanga
lesi-
3

MATHEMATICS IN ISIXHOSA

Inowadi yesi-2
Ikota
3 & 4



IMATHEMATIKA - NGESIXHOSA - Ibanga lesi-3 Inowadi yesi-2

ISBN 978-1-4315-0149-6



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Basic Education
REPUBLIC OF SOUTH AFRICA

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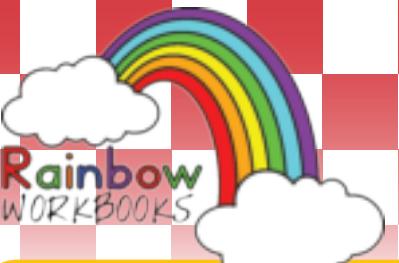
Ikasi:

1 2 3 4



6

ISBN 978-1-4315-0149-6
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MATHEMATICS IN ISIXHOSA
GRADE 3 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0149-6

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7th Edition

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	Umsiko 6	
	Umsiko 7	
	Umsiko 8	
	Umsiko 9	
	Umsiko 10	



UNksk. Angie Motshekga,
uMphathiswa wemfundo
esisiSeko



UMnu. Enver Surty
uSekela Mphathiswa
wemfundo esisiSeko

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

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

Sinethembu lokuba ootitshala baya kuzifumana ezi ncwadi zokusebenzela ziluncedo kakhulu kwimfundu yemihla ngemihla, nasekuqinisekiseni ukuba abafundi bayifikelela yonke ikharityhulam. Ukuqinisekisa ukuba utitshala uyakhokelwa kuyo yonke imisetyenzana, sisebenzise izalathisi ezibonisa oko kufanele ukwenziwa ngumfundu.

Sinethembu 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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Ibanga lesi-3



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

Le ncwadi yeka-:



ISTIXHOZA

Incwadi
yesi

2

65

Amanani ukusuka kuma-500 ukuya kuma-600

Umhla:

Ikota 3



Bala uze ubhale.

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

500



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

b. Bhala amanani angekhoyo kwigridi 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.

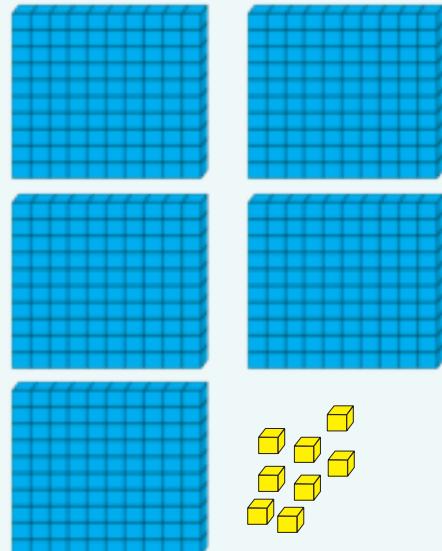
548; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 570

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

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



Zingaphi iibloko ozibalileyo?

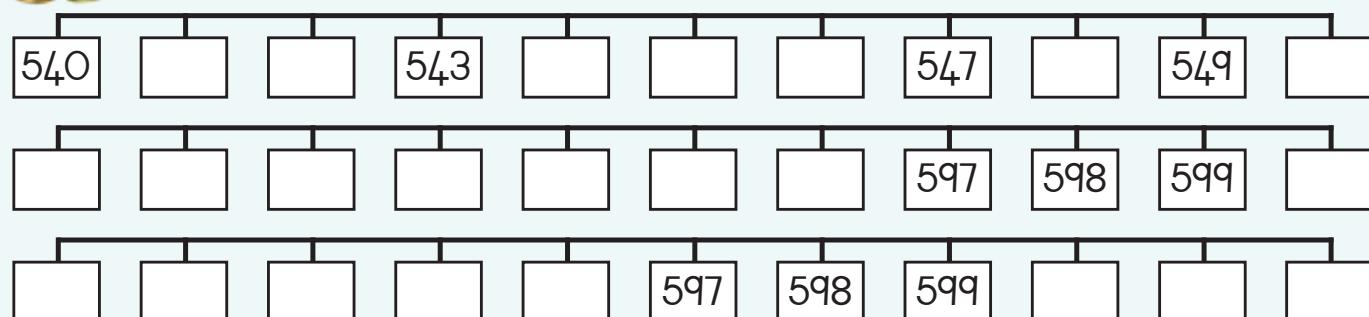


Uzibale njani ezi bloko?

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



Gqibezela le migca-manani.



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



Teacher:
Sign:
Date:



Bhala inani ngamagama.

520

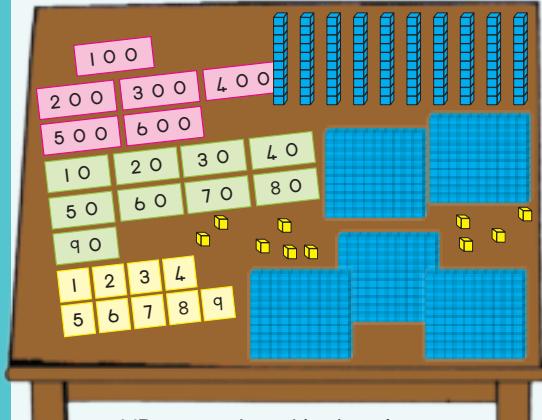
11 12 13 14 15 16 17 18 19 20

66

Amanye amanani ukusuka kuma-500 ukuya kuma-600

Umhla:

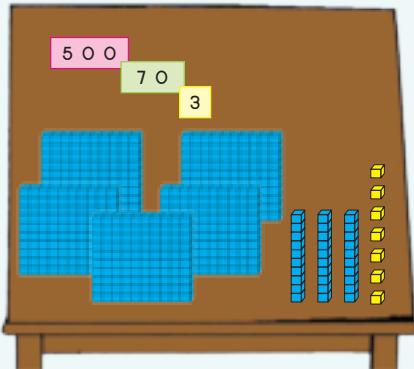
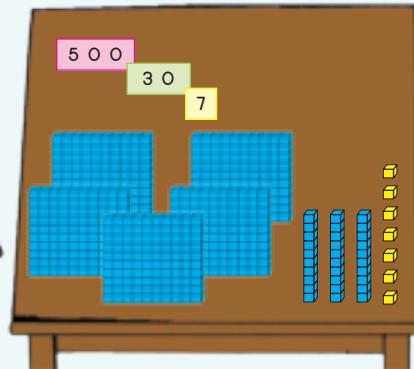
Ikota 3



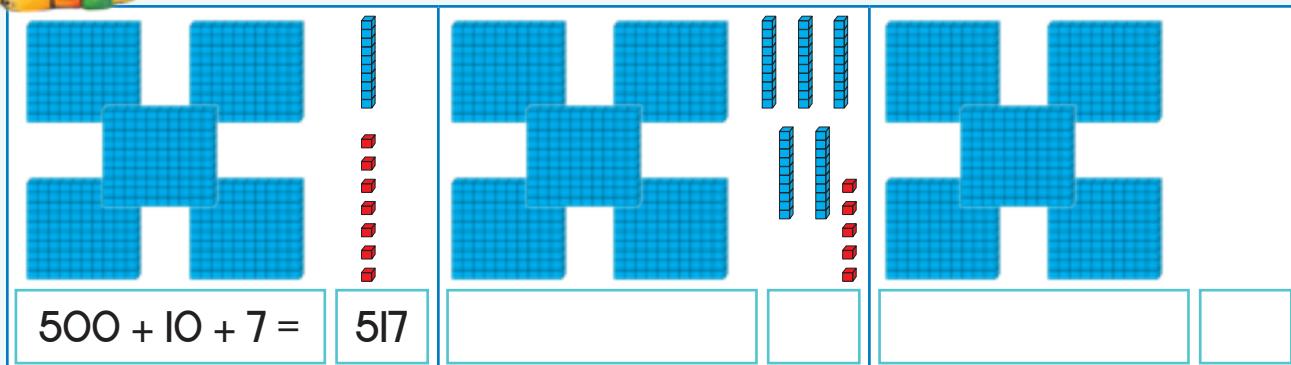
UPeter unala makhadi exabiso lendawo kunye neebloko zamashumi.

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

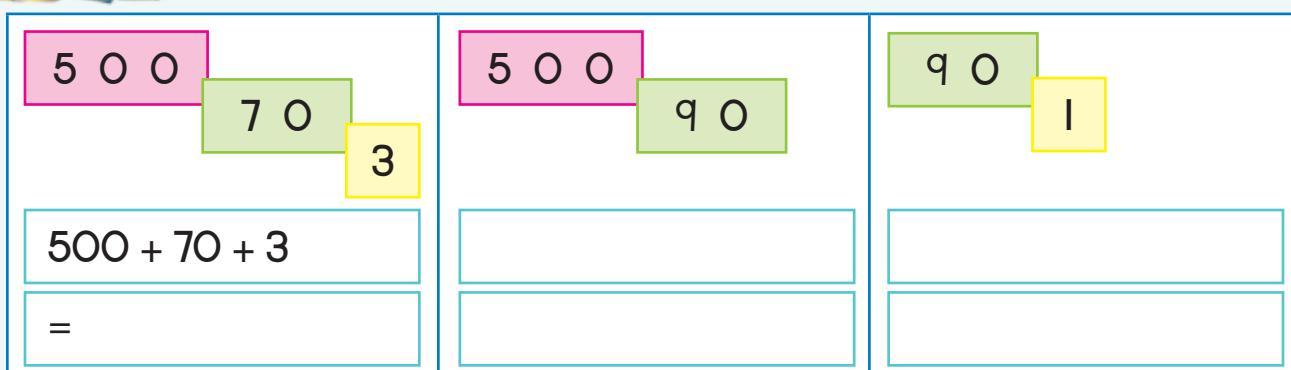
UAakar ubonis eku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani ulandele ngempendulo.



Bhala isivakalisi samanani ulandele ngempendulo.





Gqibezela lo mgca-manani

550 551 552 560

Bhala onke amanani angaphantsi kunama-556.

Bhala onke amanani angaphezulu kunama-556.



Cazulula inani lakho.

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

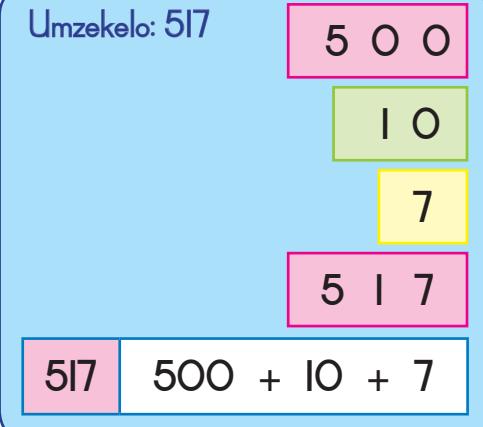
Kukho amanani ali-IO.

0 1 2 3 4 5 6 7 8 9

Siyawadibana ukwenza amanani.

495	
508	
594	
549	
602	

Umzekelo: 517



Bhala la manani ngamagama.

221	
486	
369	
419	
491	



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

67

Amanani ukusuka kuma-600 ukuya kuma-700

Umhla:

Ikota 3



Bala uze ubhale.

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

600



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

- b. Bhala amanani angekhoyo kwigridi engasentla.

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

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

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

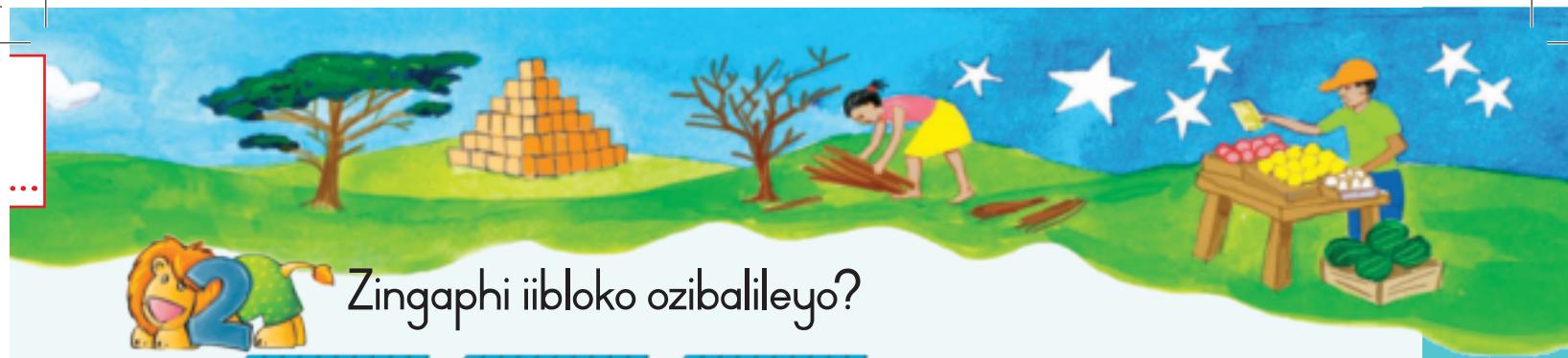
622; 624; 626; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

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

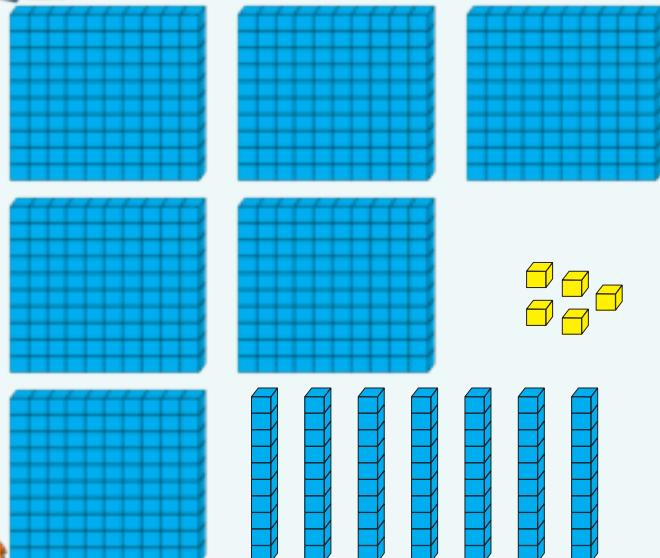
611; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 633

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

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



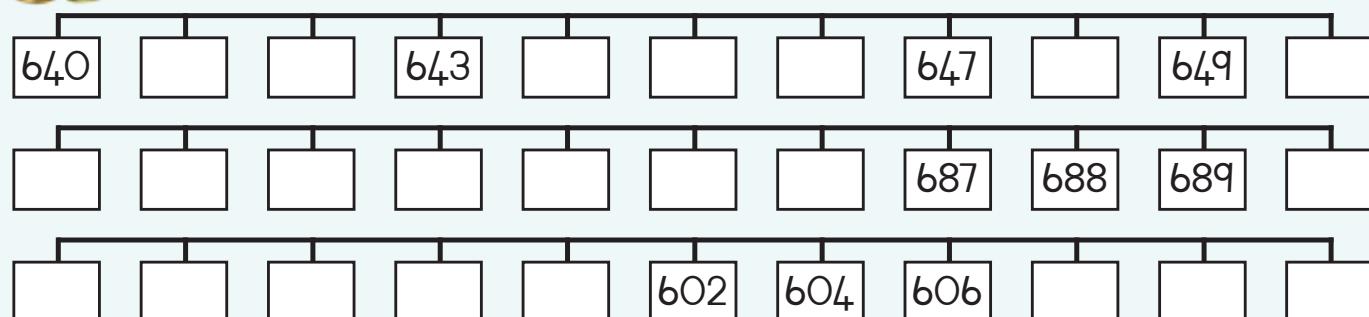
Zingaphi iibloko ozibalileyo?



Uzibale njani ezi bloko?



Gqibezela le migca-manani.



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



Teacher:
Sign:
Date:



Bhala inani ngamagama.

631

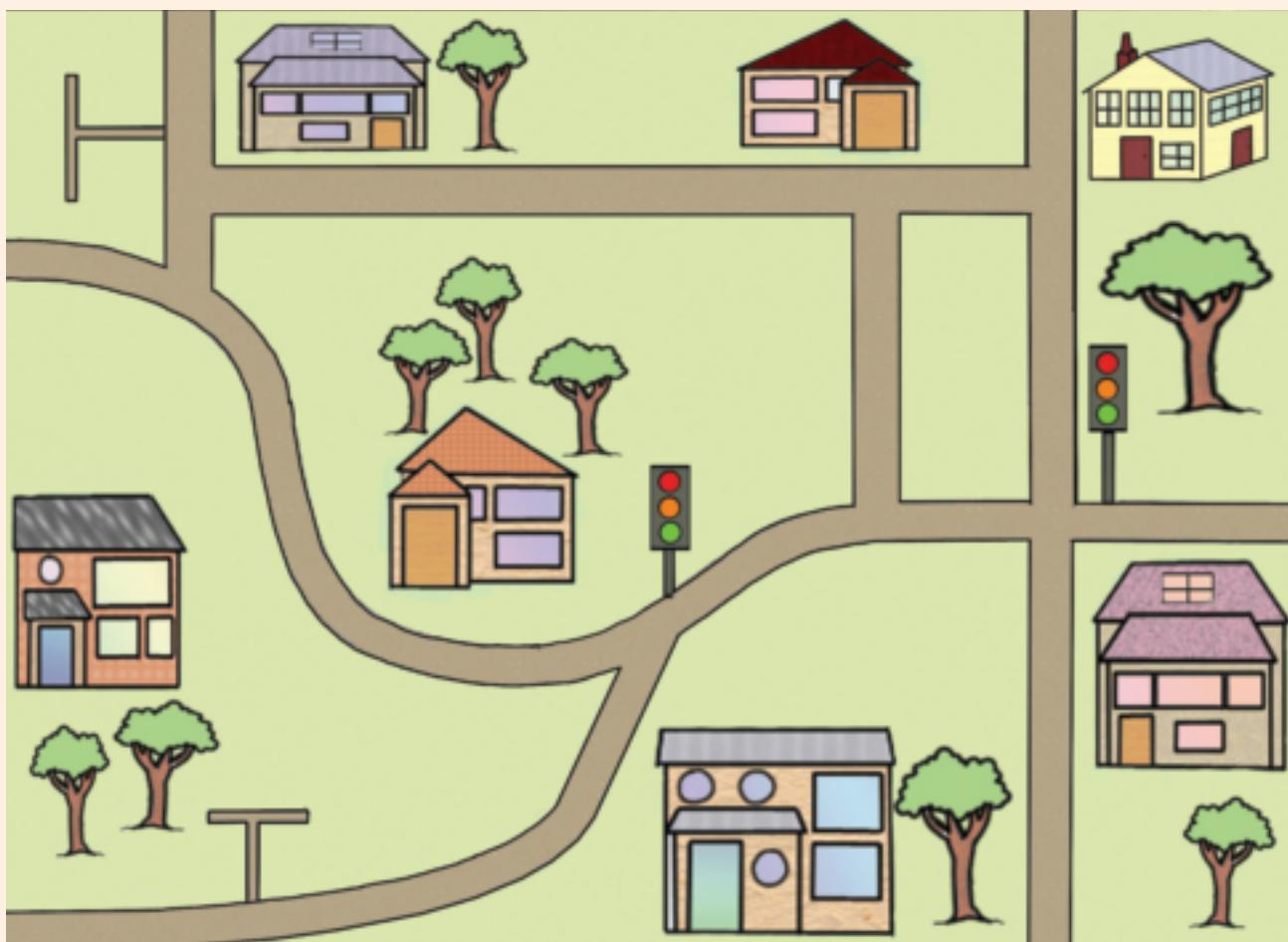
11 12 13 14 15 16 17 18 19 20



Umsebenzi wemephu

Jonga umfanekiso.

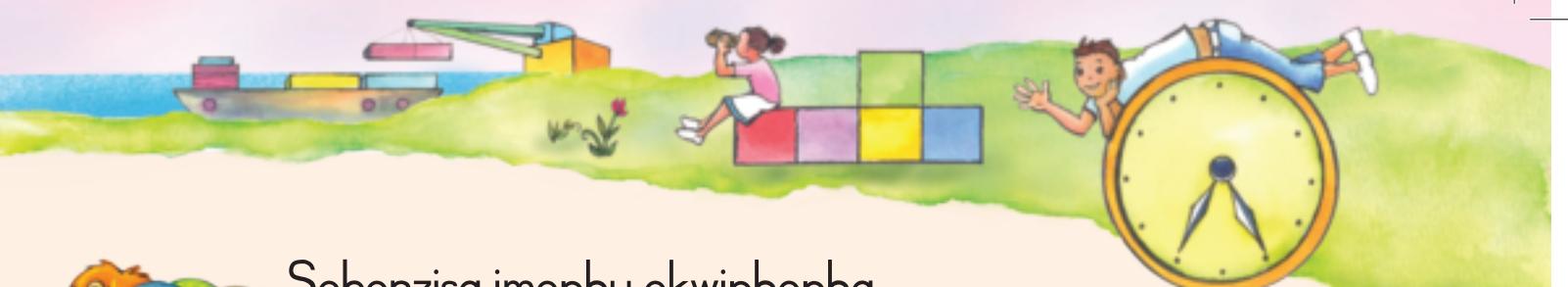
- Yintoni le?
- Siyisebenzisa entweni?
- Singafumana ntoni emephini?



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. esibhedelele uye esikolweni.



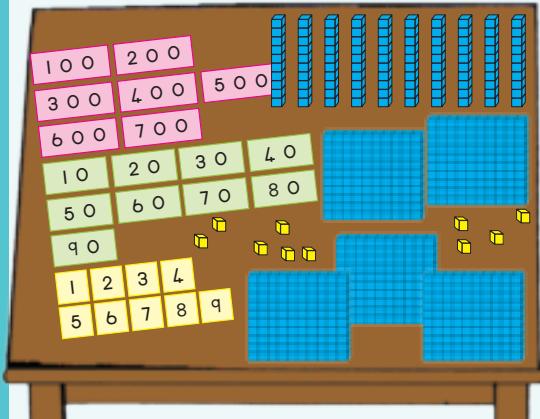
11 12 13 14 15 16 17 18 19 20

69

Amanye amanani aqala kuma-600 ukuya kuma-700

Umhla:

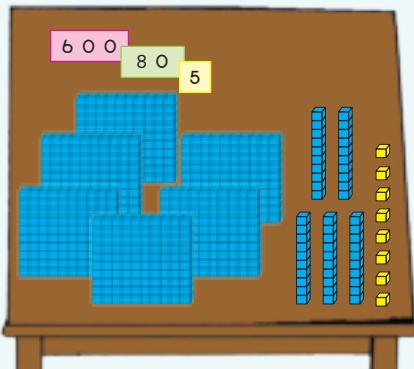
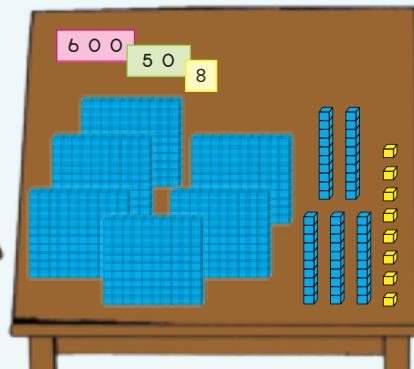
Ikota 3



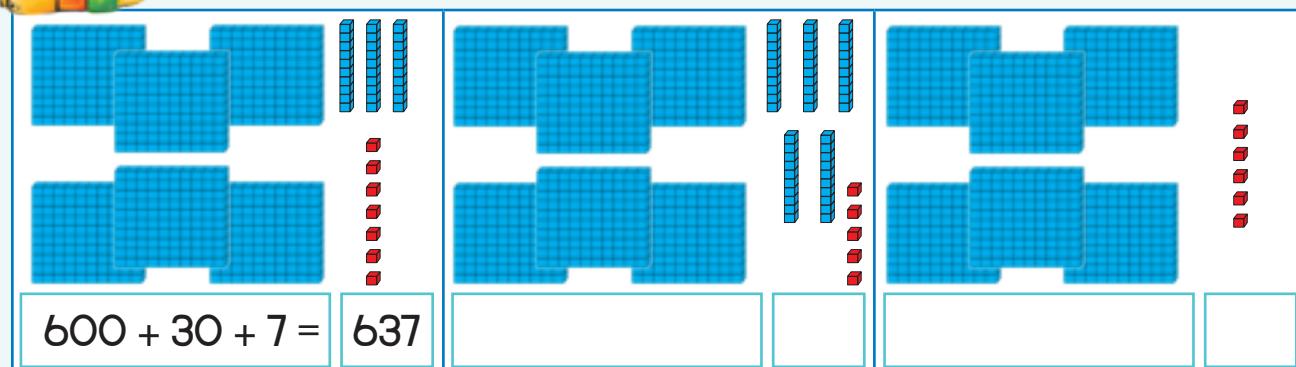
UPeter unala makhadi alandelayo
amaxabiso endawo kunye
neebloko zamashumi.

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

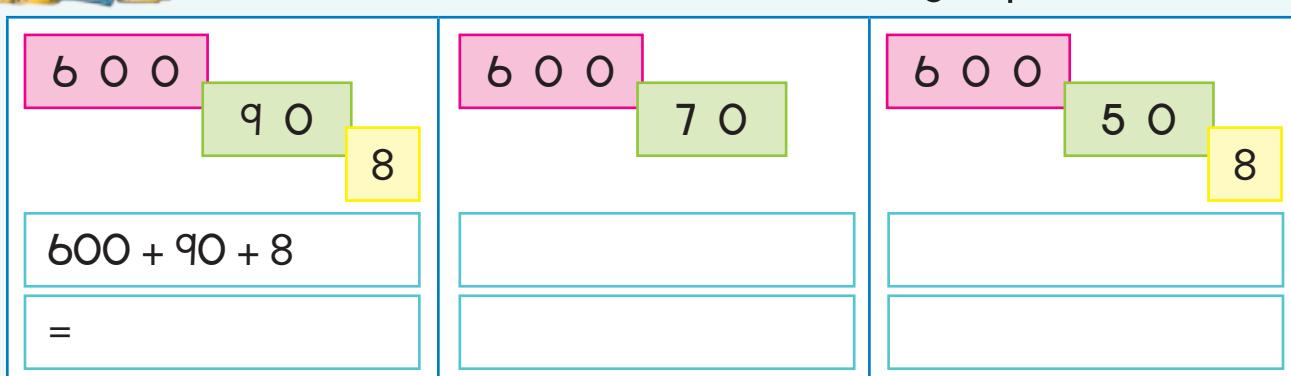
UAarkar ubonise oku. Yintoni
angayenzanga kakuhle?



Bhala isivakalisi samanani ulandele ngempendulo.



Bhala isivakalisi samanani ulandele ngempendulo.



10

1 2 3 4 5 6 7 8 9 10



Gqibezela lo mgca-manani

670 671 672 680

Bhala onke amanani angaphantsi kunama-675.

Bhala onke amanani angaphezulu kunama-675.



Bhala <, > okanye =

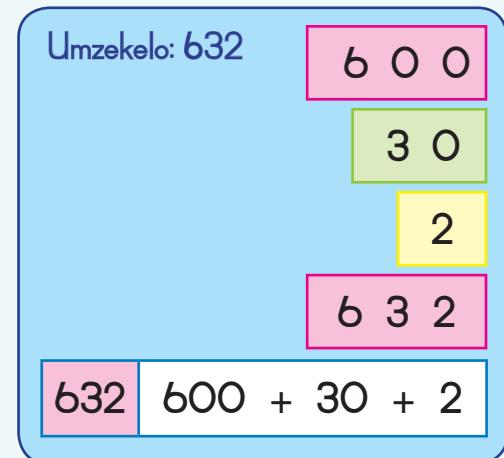
- a. 670 607 b. 688 699
c. $600 + 50 + 5$ 655



Cazulula inani lakho.

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

686	
690	
699	
673	
665	



Bhala amanani ngamagama.

672	
693	
607	
697	
660	



11 12 13 14 15 16 17 18 19 20

70

Amanani ukusuka kuma-650 ukuya kuma-750

Umhla:

Ikota 3



Bala uze ubhale.

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

650



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

b. Bhala amanani angekhoyo kwigridi 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.

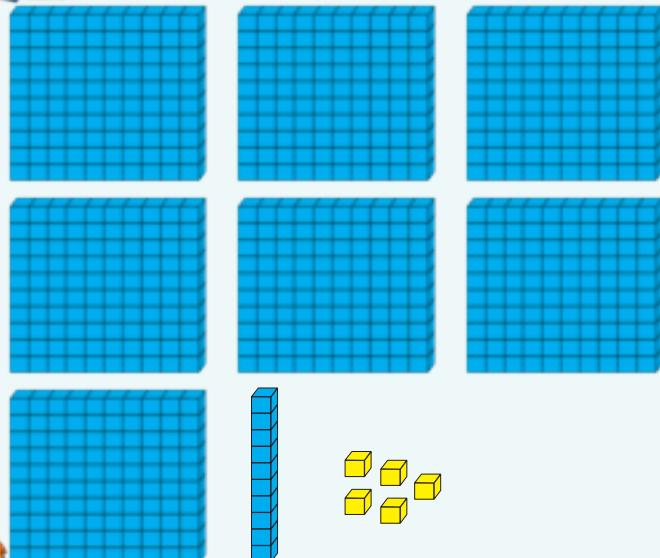
719; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 749

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

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



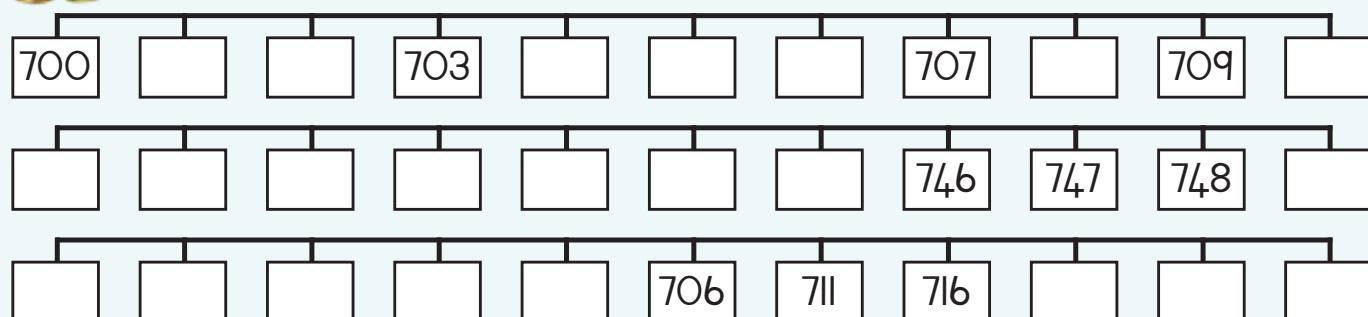
Zingaphi iibloko ozibalileyo?



Uzibale njani ezi bloko?



Gqibeza le migca-manani.



Gqibeza
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

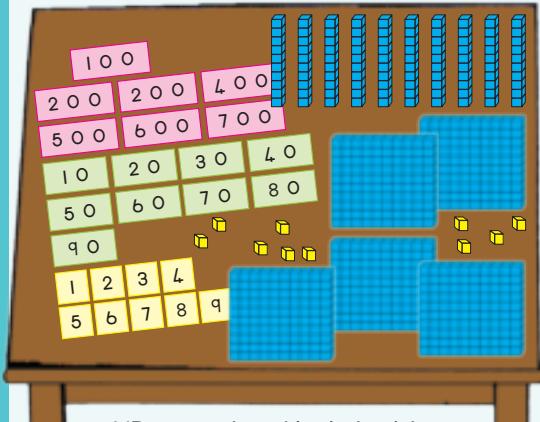
11 12 13 14 15 16 17 18 19 20

71

Amanani aqala kuma-700 ukuya kuma-750

Umhla:

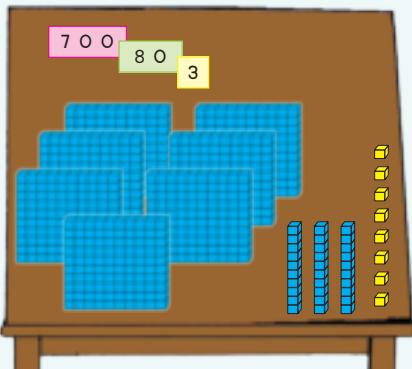
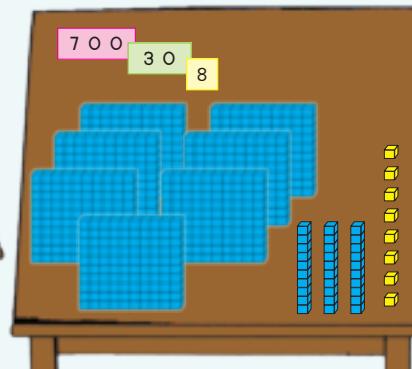
Ikota 3



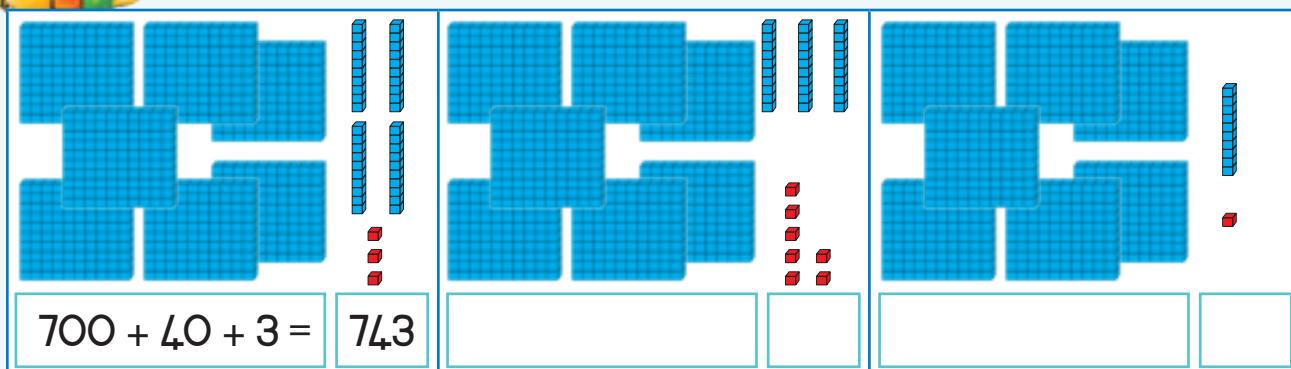
UPeter unala makhadi alandelayo
amaxabiso endawo kunye
neebloko zamashumi.

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

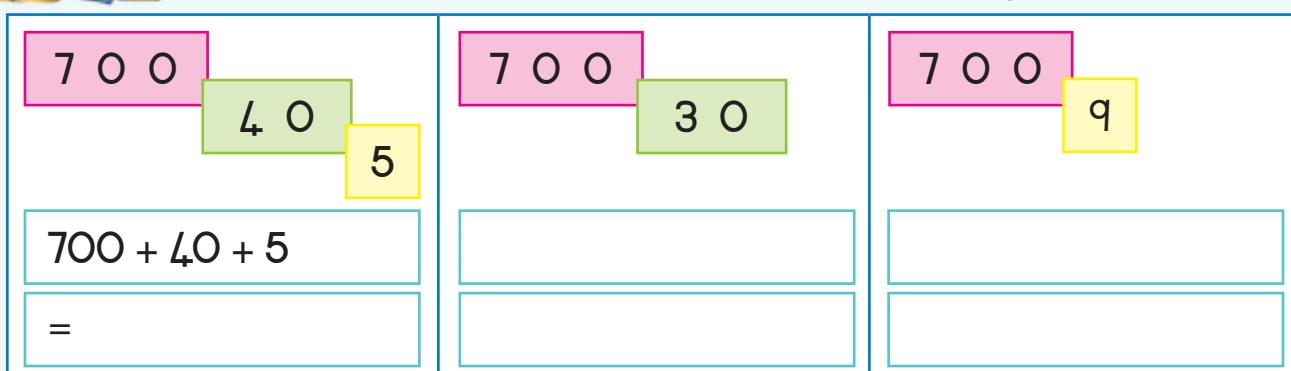
UJabu ubonise oku. Yintoni
angayenzanga kakuhle?



Bhala isivakalisi samanani ulandele ngempendulo.



Bhala isivakalisi samanani ulandele ngempendulo.





Gqibezela lo mgca-manani.

699 700 701 709

Bhala onke amanani angaphantsi kunama-704.

Bhala onke amanani angaphezulu kunama-704.



Bhala <, > okanye =

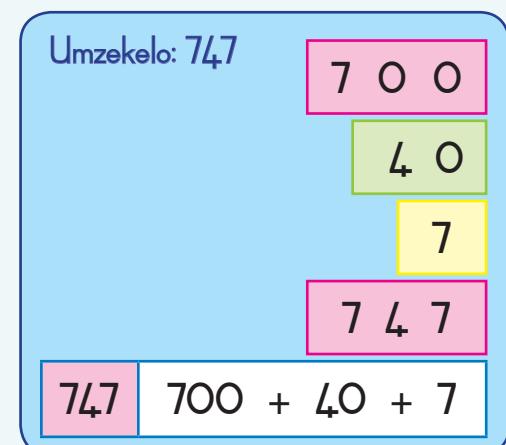
- a. 750 749 b. 732 723
c. $700 + 40 + 9$ 749



Cazulula inani lakho.

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

750	
728	
703	
730	
749	



Bhala amanani ngamagama.

714	
750	
742	
738	
704	



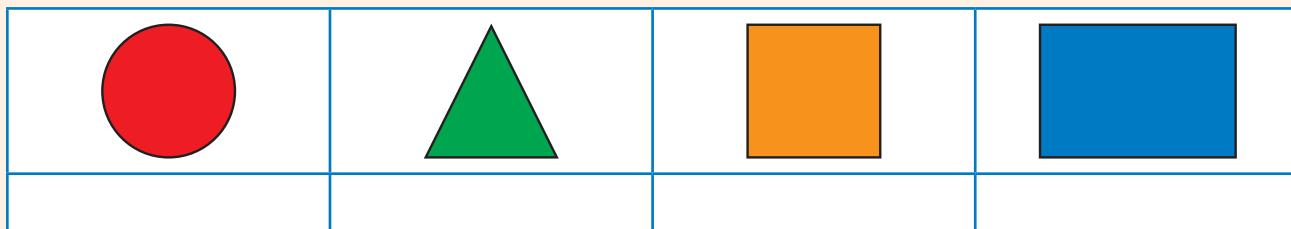
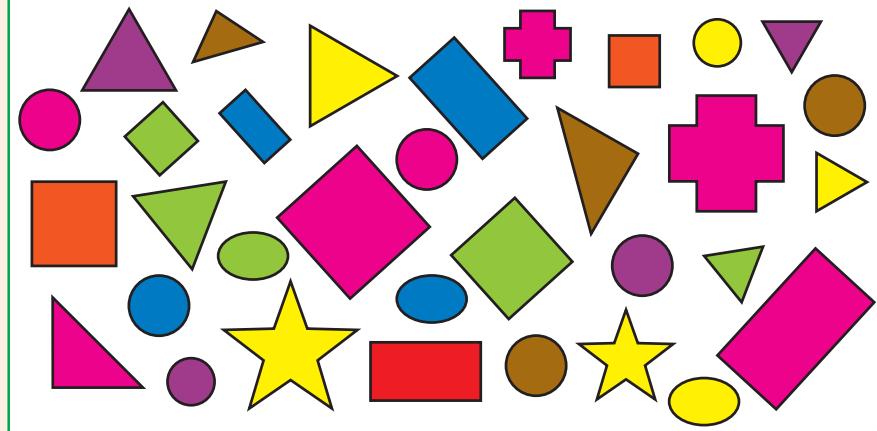


Iimilo ezinemilinganiselo engu-2-D

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 uzincamathele apha.

Funa iimilo ezineziphelo ezingqukuva
uze uzincamathele 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.

Zincamatelise apha.



Teacher:
Sign:

Date:

73

Ukudibanisa nokuthabatha ukuya kuma-800

Umhla:

Ikota 3



Ndingathenga ntoni ngama-R500?

Yeyiphi kwezi zinto
endinokuyithenga
ngama-R500?



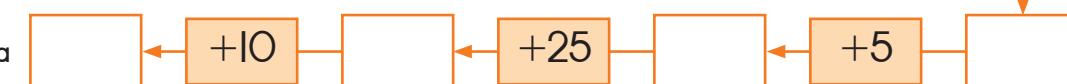
Dibanisa usuke kuma-600.

Bhala amanani angekhoyo.

Qala



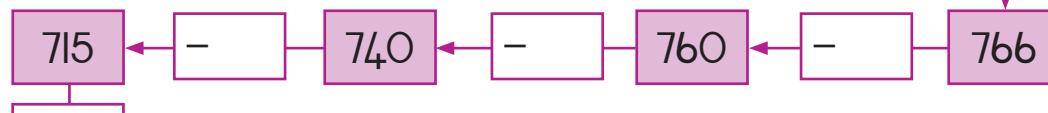
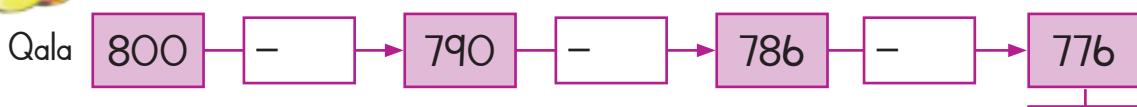
Gqiba



Bala ubuye umva usuke kuma-800.

Bhala "utshintsho" kwixesha ngalinye.

Qala





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 bebocabini?
- uSipho ebenamapetyu amangaphi?

a.

b.



11 12 13 14 15 16 17 18 19 20

74

Okunye ukudibanisa nokuthabatha ukuya kuma-800

Umhla:

Ikota 3

Iintsapho zamanani

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

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

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



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.

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



Uhambo olude.

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

UKumi wenza oku:	UPhumla ubhala ngolu hlobo:
$352 - 166$ $\begin{array}{r} +4 \quad +30 \quad +100 \quad +52 \\ \hline 166 \quad 170 \quad 200 \quad 300 \quad 352 \end{array}$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $\begin{array}{r} -100 \\ \hline 300 \end{array}$ $\begin{array}{r} +50 \\ \hline 40 \end{array}$ $\begin{array}{r} +2 \\ \hline 12 \end{array}$ $\begin{array}{r} -100 \\ \hline 200 \end{array}$ $\begin{array}{r} +60 \\ \hline 140 \end{array}$ $\begin{array}{r} +6 \\ \hline 146 \end{array}$ $\begin{array}{r} -100 \\ \hline 100 \end{array}$ $\begin{array}{r} +60 \\ \hline 80 \end{array}$ $\begin{array}{r} +6 \\ \hline 86 \end{array}$ $= 186 \text{ km}$
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.

$746 - 328$

$800 - 499$



11 12 13 14 15 16 17 18 19 20

75

Ukudibanisa nokuthabatha ukuya kuma-800 kwakhona

Umhla:

Ikota 3



Zenzele ezakho iintsapho zamanani.

Umsetyenzana wokuzilungiselela.

5 12 17



Umzekelo: Yenza i-17

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

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

8 9 17



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

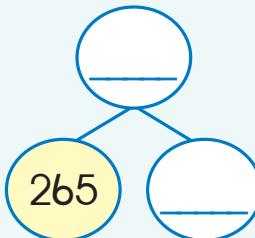
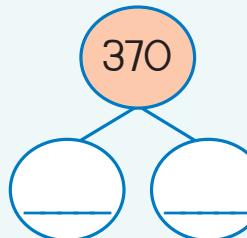
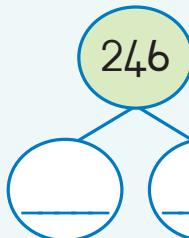
Bhala izivakalisi zamanani zibe-4 (ezibini + nezibini –) kusapho lwamanani ngalunye.

Khangel!
Thelekisa! Lungisa!

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



Khangelia ziphindwa kabini neziqingatha ezishiyiweyo.





Ukwahlula kubini ukuze uthabathe.

Ukuba uyzazi iziqingatha zakho neziphindwa kabini, ungakwazi ukuzisebenzisa ekudibani seni nasekuthabatheni.

Imizekelo:

$$\begin{aligned} 34 - 18 &= 16 \\ 34 - 17 &= 17 \\ 17 - 1 &= 16 \end{aligned}$$

$$\begin{aligned} 190 - 97 &= 93 \\ 190 - 95 &= 95 \\ 95 - 2 &= 93 \end{aligned}$$

$$\begin{aligned} 65 + 69 &= 134 \\ 65 + 65 &= 130 \\ 130 + 4 &= 134 \end{aligned}$$

$$\begin{aligned} 242 + 249 &= 491 \\ 242 + 242 + 7 &= 484 + 7 \\ 484 + 7 &= 491 \end{aligned}$$

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
$\begin{aligned} 256 &= 200 + 50 + 6 \\ \rightarrow \text{Isiqingatha sama-200 li-100} & \\ \rightarrow \text{Isiqingatha sama-50 ngama-25} & \\ \rightarrow \text{Isiqingatha sesi-6 sisi-3} & \\ 100 + 25 + 3 &= 128 \\ \rightarrow \text{Isiqingatha sama-256- li-128} & \\ \text{Ngoko ke i-128 lifumana iimoto.} & \end{aligned}$	$\begin{aligned} \rightarrow \text{Isiqingatha sama-250 = 125} & \\ \rightarrow \text{Isiqingatha sesi-6 sisi-3} & \\ 125 + 3 &= 128 \\ \rightarrow \text{Isiqingatha sama-256 li-128, ngoko li-128 elifumana iimoto.} & \end{aligned}$



Sombulula la maqhina kwiphepha elilodwa:

Sebenzisa nokuba yeyiphi kwezi ndlela zingasentla.

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

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



76

Ipatheni zamanani: amashumi ukuya kuma-800

Umhla:

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



Gqibezenza izivakalisi zamanani.

720; 730; 740; _____ ; _____ ; _____	800; 790; 780; _____ ; _____ ; _____
--------------------------------------	--------------------------------------



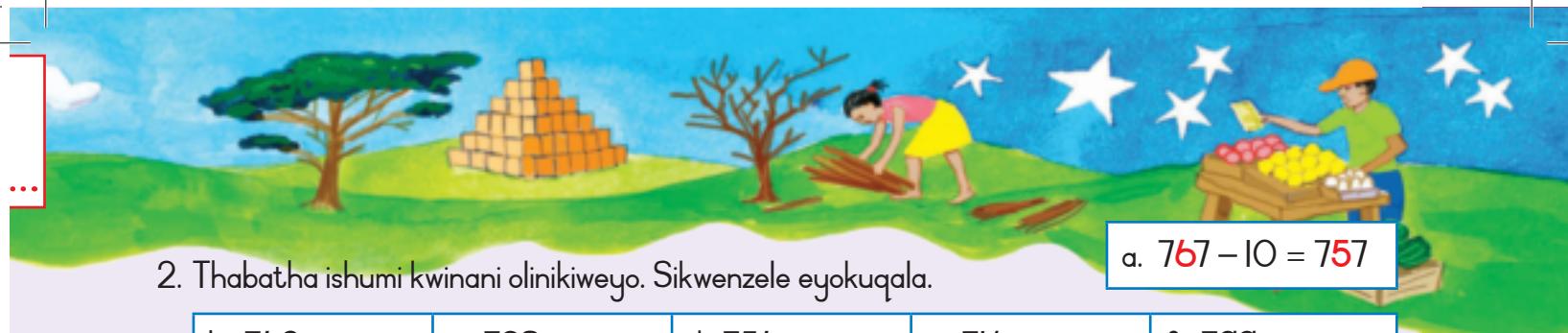
Dibanisa okanye uthabathe ishumi.

I. Dibanisa ishumi kwinani olinikiwego. Sikwenzele eyokuqala.

a. $767 + 10 = 777$

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

1 2 3 4 5 6 7 8 9 10



2. Thabatha ishumi kwinani olinikiwego. Sikwenzele eyokuqala.

$$a. 767 - 10 = 757$$

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

3. Kwenzeka ntoni xa uthabatha okanye udibana 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; _____ ; _____ ; _____

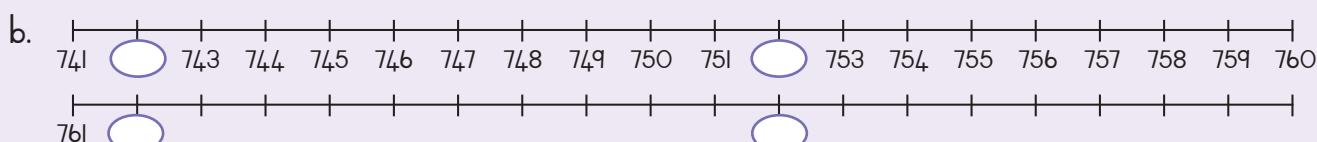
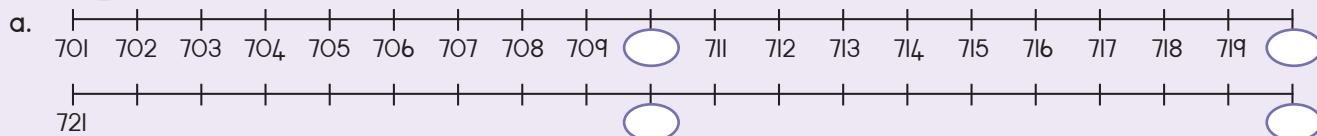
715; 725; 735; _____ ; _____ ; _____

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 elokuqqibela libenganeno ngononye kunesixhenxe.



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



11 12 13 14 15 16 17 18 19 20

77

Ukuwezela kumashumi

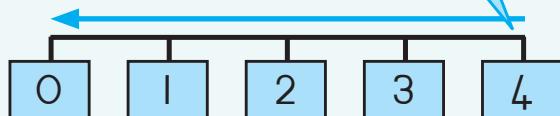
Umhla:

.....

Ikota 3

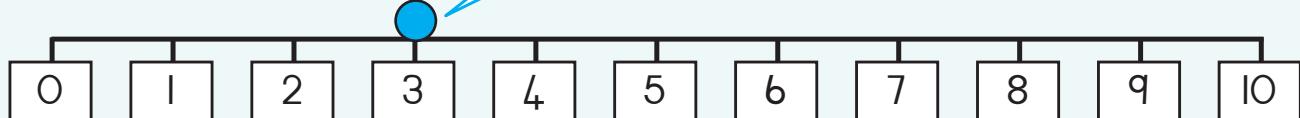
Onke amanani ukusuka kwisi-4
ukubuya umva aya kuwezelwa ku-O.

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

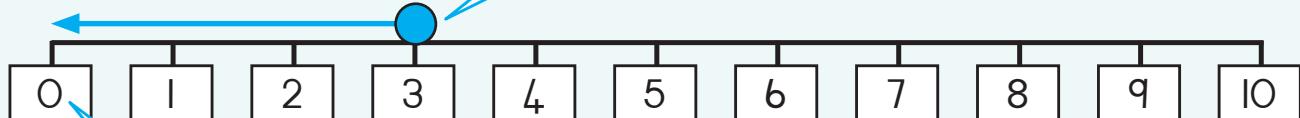


Masithethe.

Jonga inani-3 kumgca-manani.



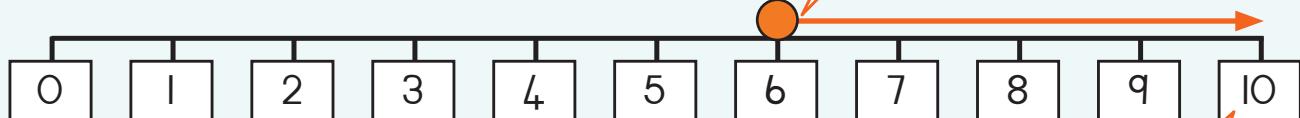
Liya kuba leliphi inani xa liweziwe?



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

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

Yenza njalo nakwezi:

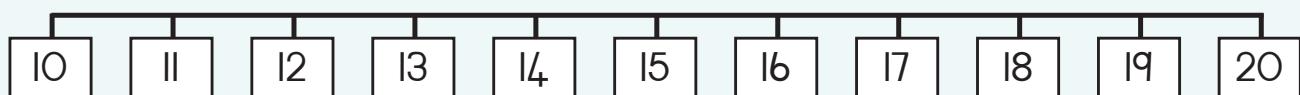


Impendulo li-10..



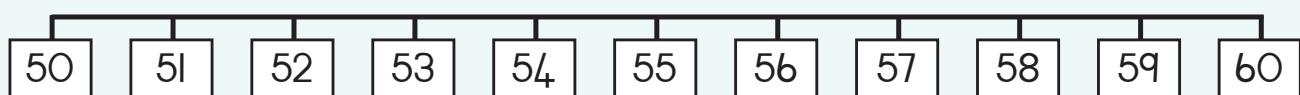
Wezela kwi-10 elikufuphi.

i-12 eliweziweyo likunika



i-19 eliweziweyo likunika

Ama-53 aweziweyo akunika





Sebenzisa imigca-manani ikuncede usondeze kwelona 10 lisondeleyo.

a. 46

46

50

40

41

42

43

44

45

46

47

48

49

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? _____



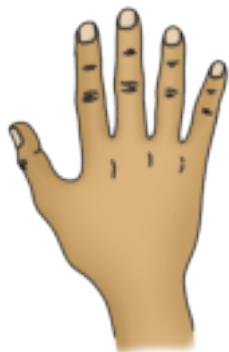
Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Uphinda-phindo: izihlanu ukuya kuma-75

Ikota 3

Yintoni efumaneka
ngezihlanu?
Iminwe ekwisanndla 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:

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

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	



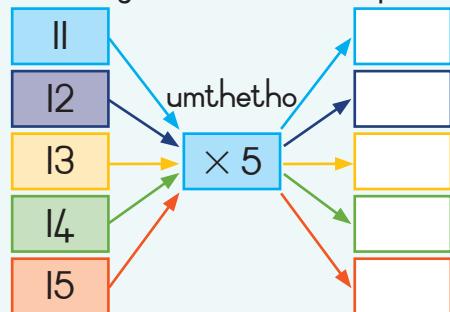
Gqibezela le theyibhile.

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	



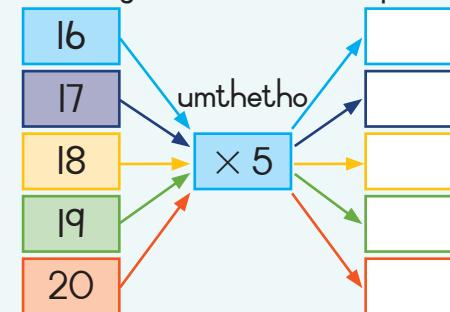
Gqibezela izazobe zesigcawu.

esikufakayo

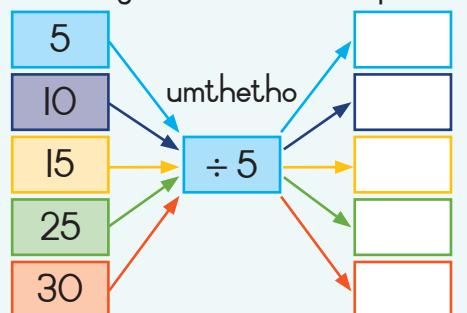


isiphumo

esikufakayo

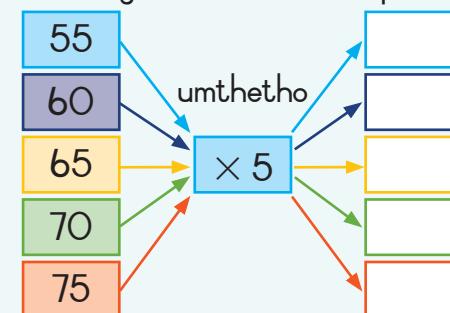


esikufakayo



isiphumo

esikufakayo



isiphumo



Gqibezela ezi theyibhile zingezantsi:

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

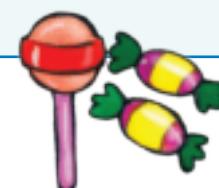
\times	II	I2	I3	I4	I5	I6	I7	I8	I9	20
5										

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?



II I2 I3 I4 I5 I6 I7 I8 I9 20

79

Ipatheni zamanani: izihlanu ukuya kuma-800

Umhla:

Ikota 3



Ungathini ngamanani akwibloko eorenji?

Bala izihlanu ukusuka kuma-705 ukuya kuma-800.

Leliphi inani eliza emva kwama-720 xa ubala ngezihlanu?

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

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

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



Gqibezela ezi zivakalisi zamanani.

725; 730; 735; _____ ; _____ ; _____

800; 795; 790; _____ ; _____ ; _____



Dibanisa okanye thabatha isihlanu.

a. $760 + 5 = 765$

I. Dibanisa isihlanu kwinani olinikiweyo. Sikwenzele eyokuqala.

b. 725 _____

c. 780 _____

d. 755 _____

e. 715 _____

f. 790 _____



2. Thabatha isihlanu kwinani olinikiwego. Sikwenzelele eyokuqala.

$$a. 765 - 5 = 760$$

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

3. Kwenzeka ntoni xa udibanaisa 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; _____ ; _____ ; _____

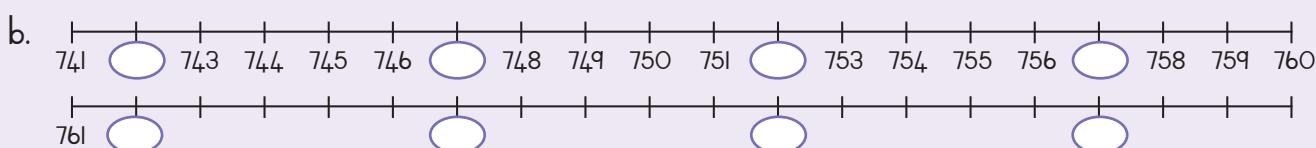
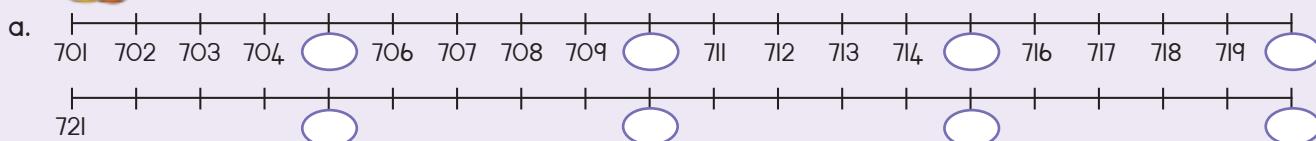
753; 758; 763; _____ ; _____ ; _____

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 lokuggibela libe ngaphantsi ngesihlanu kunesixhenxe.

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



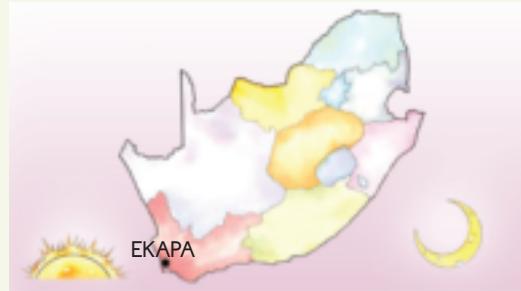
11 12 13 14 15 16 17 18 19 20

Imini nobusuku



EKapa

Le theyibhile ingezantsi ibonisa ixesha eliphuma nelitshona ngalo ilanga ngamaxeshsha ahlukeneyo enyakeni eKapa. Funda amaxesha akwitheyibhile 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		

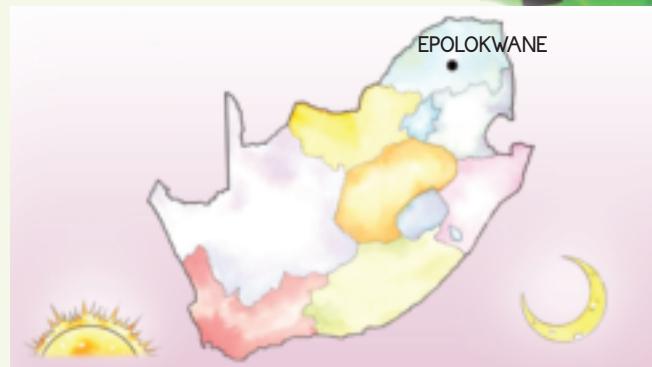
- Kukweziphi iinyanga apho ubude bemini nobobusuku bulinganayo? _____
- Yeyiphi inyanga enezona mini zinde? _____
- Yeyiphi inyanga enezona mini zimfutshane? _____
- Fumana umahluko ngokweeyure nemizuzu phakathi kweyona mini inde neyona imfutshane.

- 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 qpho ubude bemini nobobusuku bulinganayo? _____
- Kukweziphi inyanga kwezi qpho ubude bemini bulinganayo eKapa nasePolokwane? _____
- Kukweziphi iinyanga qpho zahlkileyo? _____
- Bala umahluko ngokweeyure nemizuzu phakathi kweyona mini inde neyona imfutshane. _____
- Funa **ubude bosuku** nobobusuku kumhla ngamnye kule theyibhile ingentla. _____



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



Ukuphinda-phinda: ngezibini ukuya kuma-75

Umhla:

Ikota 3

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:

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



Gqibeza 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	



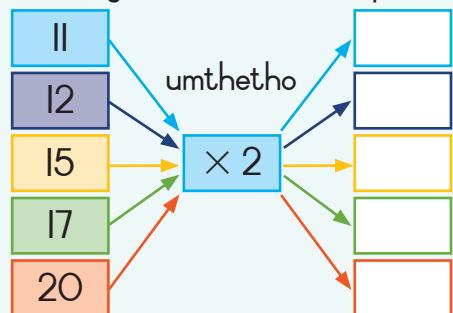
Gqibeza itheyibhile.

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	



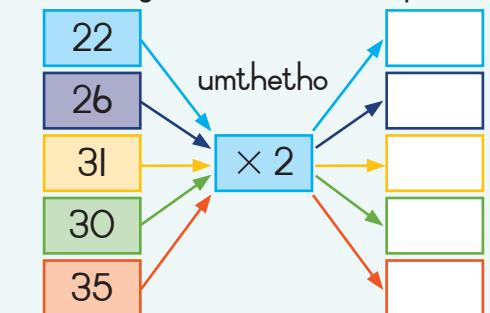
Gqibezela izazobe zesigcawu.

esikufakayo



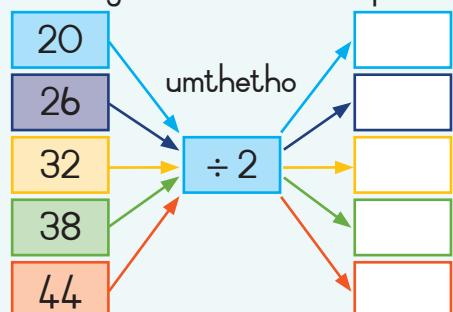
isiphumo

esikufakayo



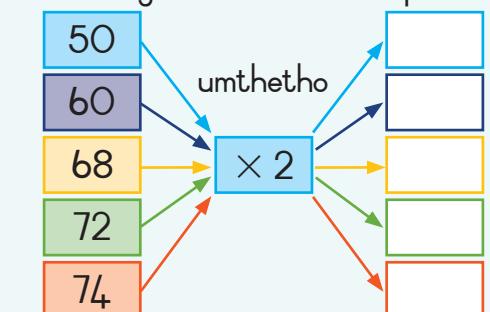
isiphumo

esikufakayo



isiphumo

esikufakayo



isiphumo



Gqibezela iitheyibhile ezingezantsi:

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

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



Bala okulandelayo:

Ndithenge amabhadi angama-36 nge-R2.

Ndibhatele ngama-R50, ngama-R20 nange-R5 elukhozo.

Ibiyimalini itshintshi yam?



11 12 13 14 15 16 17 18 19 20

Iipatheni zamanani: izibini ukuya kutsho kuma-800



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 ngezihlalu 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 olinikiwego.
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 zolandeleyo lwamanani
ezilandelayo:

701; 703; 705; _____;
725; 727; 729; _____;

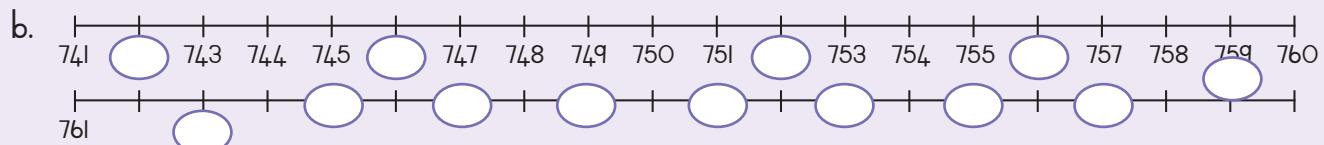
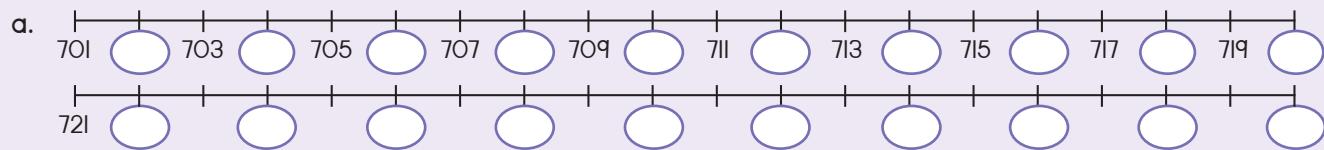
799; 797; 795; _____;

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. Ulkuba ubala
usiya phambili ngezibini ukususela kweli nani, liya kuba ngubani eli nani?



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

Ikota 3



Ungakuphendula msinyane kangakanani
oku kulandelayo?

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



Jonga ukuba wenze ntoni
umhlobo wam.

Xoxa ngako.

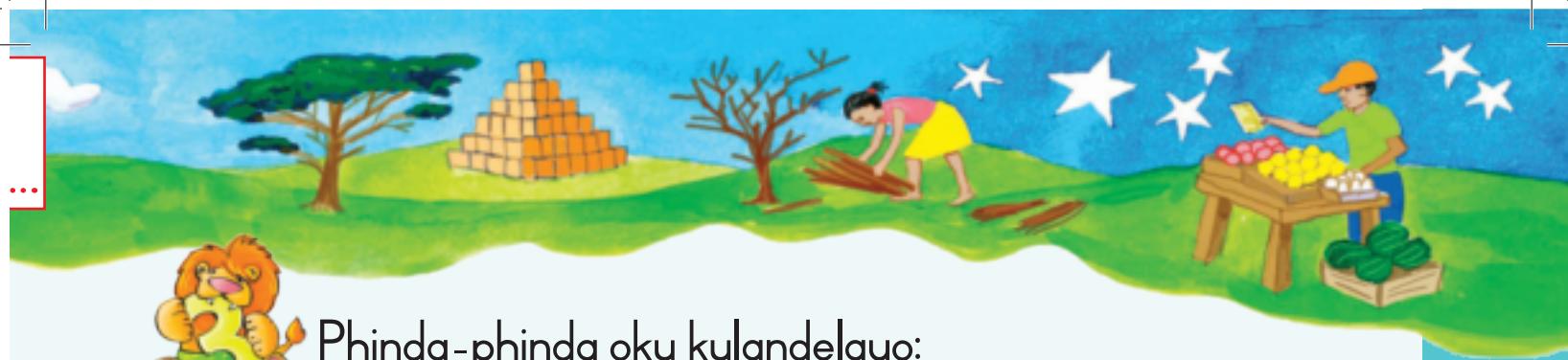
$$4 \times 2 = 8$$

Umhlobo wam ubonise u- 4×2 ngale ndlela ilandelayo:

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Imiboniso	Iinyaniso
2, 4, 6, 8	● ● ● ● ● ● ● ●	$2 + 2 + 2 + 2$	xx xx xx xx	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

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

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Imiboniso	Iinyaniso



Phinda-phinda oku kulandelayo:

$$24 \times 3$$

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

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

$$= 60 + 12$$

$$= 72$$

a. 13×3

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?



11 12 13 14 15 16 17 18 19 20

Ukuphinda-phinda: izithathu ukuya kuma-75

Umhla:

Ikota 3

Yintoni efumaneka
ngezithathu?
Amavili eetrayisikili.



Gqibezela itheyibhile

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

Tshatisa isibalo nombuzo
ongasekhohlo:

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

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



Gqibezela itheyibhile

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



Gqibezele izazobe zesigcawu.

esikufakayo

10
12
14
16
22

isiphumo

umthetho

$\times 3$

esikufakayo

18
30
36
42
75

isiphumo

umthetho

$\div 3$

esikufakayo

13
11
23
15
25

isiphumo

esikufakayo

12
63
66
69
75

isiphumo



Gqibezele iitheyibhile 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:

11 12 13 14 15 16 17 18 19 20

85

Ukuphinda-phinda ngezi-2,

ngezi-3 nangezi-4 ukuya kuma-75

Umhla:

Ikota 3



Ungakuphendula msinyane kangakanani oku kulandelayo?

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



Jonga okwenziwe ngumhlobo wam.

$5 \times 2 = 10$

Xoxani ngako.

Ndiqale ukubonisa u- 5×2 ngale ndlela:

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

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

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Izintlu	Iinyaniso

 $6 \times 4 = 24$

Ukubala utsiba	Amaqela alinganayo	Ukudibanisa okuphindwa kaninzi	Izintlu	Iinyaniso



Yahlula uze uvavanye impendulo yakho.

$$63 \div 3$$

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

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

$$= 20 + 1$$

$$= 21$$

$$21 \times 3$$

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

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

$$= 60 + 3$$

$$= 63$$

a. $48 \div 5$

b. $64 \div 5$



Bala okulandelayo:

Mna nabahlobo bam sinama-R63 iyonke.

Sifuna ukwabelana ngayo ngokulinganayo phakathi kwethu sobathathu.

Uza kufumana malini emnye?



Teacher:
Sign:
Date:

Ipatheni 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 ngezihlalu 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 olinikwego. Sikwenzele eyokuqala.

b. 766 _____

c. 783 _____

d. 756 _____

e. 713 _____

f. 790 _____



2. Thabatha ezintathu kwinani olinikiwego. 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 zolandelayo lwamanani

ezilandelayo:

$704; 707; 710; \underline{\quad}; \underline{\quad}; \underline{\quad}$

$773; 776; 779; \underline{\quad}; \underline{\quad}; \underline{\quad}$

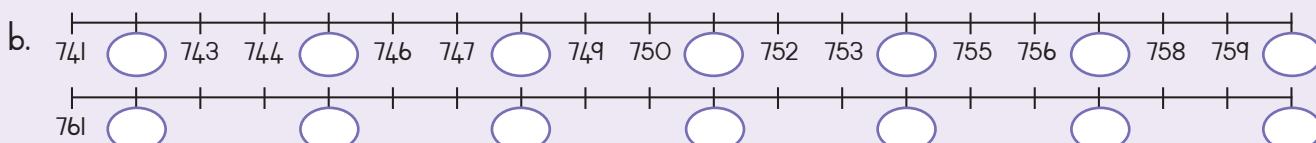
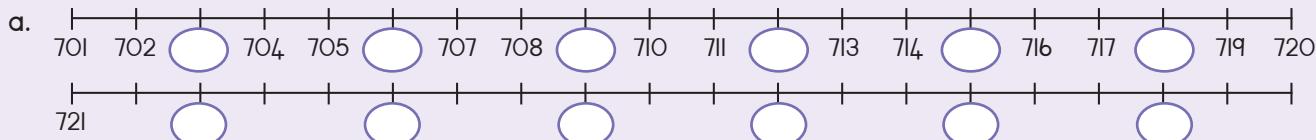
$779; 776; 773; \underline{\quad}; \underline{\quad}; \underline{\quad}$

$782; 785; 788; \underline{\quad}; \underline{\quad}; \underline{\quad}$

$779; 782; 785; \underline{\quad}; \underline{\quad}; \underline{\quad}$



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?



Ukuphinda-phinda: ngezine ukuya kuma-75

Umhla:

Ikota 3

Yintoni efumaneka
ngezine?

Amavili emoto?



Gqibezela itheyibhile.

Mangaphi amavili alapha
Imoto e-I?

Imoto ezi-2?

Imoto ezi-3?

Imoto ezi-4?

Imoto ezi-5?

Imoto ezi-6?

Imoto ezi-7?

Imoto ezi-8?

Imoto ezili-9?

Imoto ezili-10?

Tshatisa isibalo nombuzo
ongasekhohlo:

$$9 \times 4 = 36$$

$$7 \times 4 = 28$$

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

$$4 \times 4 = 16$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$

$$1 \times 4 = 4$$

$$10 \times 4 = 40$$

$$\textcolor{blue}{6 \times 4 = 24}$$

$$8 \times 4 = 32$$

Ukubeka ngokwamaqela	Phinda- phinda	Ukwaba	Yahlula
Amaqeli ali-12 ezi-4	$12 \times 4 = \textcolor{red}{48}$	Yaba ama- 48 phakathi kwesi-4	$\textcolor{red}{48} \div 4 = 12$
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	



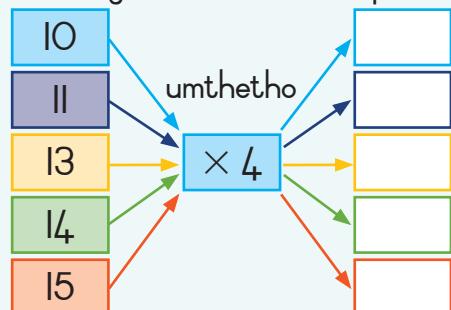
Gqibezela itheyibhile:

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	



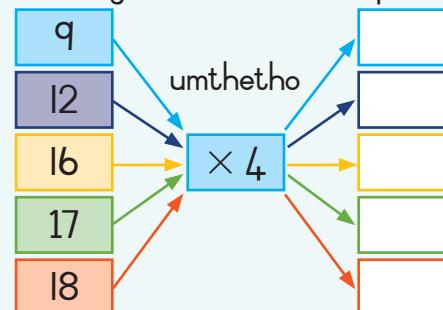
Gqibezela izazobe zesigcawu.

esikufakayo

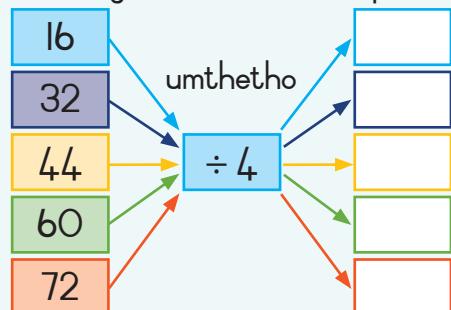


isiphumo

esikufakayo

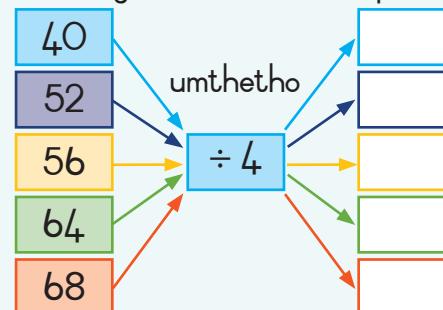


esikufakayo



isiphumo

esikufakayo



Gqibezela iitheyibhile ezingezantsi:

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

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

Uzifumene njani iimpendulo ezikwiibloko ezinombala ozuba?



Bala okulandelayo:

Ndinama-R75.

Zingaphi izipho zepati endinokuzithenga nge-R4?



11 12 13 14 15 16 17 18 19 20

Ipatheni zamanani:
Izine ukuya kuma-800

Umhla:



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



Gqibezele izibalo zolandelelwano lwamanani

704; 708; 712; _____ ; _____ ; _____

724; 728; 732; _____ ; _____ ; _____



Dibanisa okanye thabatha zibe ne

a. $764 + 4 = 768$

- I. Dibanisa zibe ne kwinani olinikiwego. Sikwenzele isibalo sokuqala.

- | | | | | |
|--------------|--------------|--------------|--------------|--------------|
| b. 764 _____ | c. 788 _____ | d. 754 _____ | e. 718 _____ | f. 794 _____ |
|--------------|--------------|--------------|--------------|--------------|



2. Thabatha ezine kwinani olinikiwego. Sikwenzele isibalo sokuqala.

a. $764 - 4 = 760$

b. $768 \quad$ c. $784 \quad$ d. $752 \quad$ e. $714 \quad$ f. $798 \quad$

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

Jonga izangqa ezizuba kwibhodi yamanani.



a. Uqaphela ntoni ngezi zangqa? _____

b. Yandisa izibalo zolandelewano lwamanani

ezilandelayo:

703; 707; 711; _____ ; _____ ; _____

773; 777; 781; _____ ; _____ ; _____

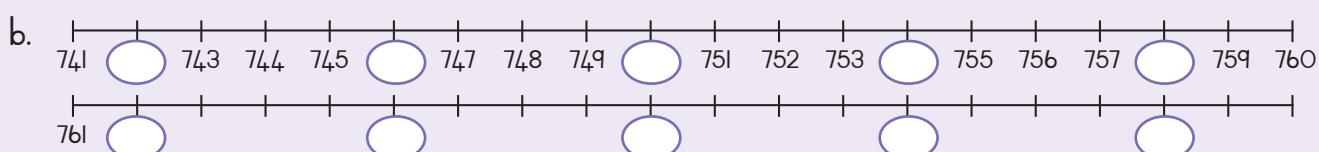
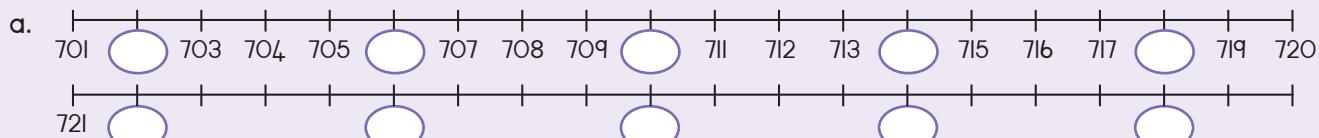
711; 715; 719; _____ ; _____ ; _____

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 lokuggibela libe lincinane ngesithathu kunesixhenxe.



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



11 12 13 14 15 16 17 18 19 20

89

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

Umhla:

Ikota 3



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 kwibloko apho isibalo sikunika intsalela.

$12 \div 2 = 6$	$13 \div 3 = 4$ 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 linokwahluwa ngesi:

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



Yahlula uze uhlole impendulo yakho.

$$65 \div 3$$

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

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

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

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

$$21 \times 3 + 2$$

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

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

$$= 60 + 3 + 2$$

$$= 65$$

a. $49 \div 5$

b. $65 \div 5$



Bala okulandelayo:

Kufuneka uhambe uyokwenza uphando.

Wazi njani ukuba inani linokwahlu leka ngesi-4?



11 12 13 14 15 16 17 18 19 20

90

Iimpawu zezinto ezinemilinganiselo engu-3-D

Umhla:

Ikota 3



Jonga imifanekiso.

Thetha ngemiphezulu yezinto usebenzise amagama afana nathi emcaba okanye egobileyo.

Iibhola



Iibhokisi



Iisilinda



Iiphiramidi



Iikhowuni



Jonga imifanekiso uze ugqibezele izivakalisi
nemibuzo.



a. Iibhola



b. Kutheni
ingatshebelezi
ibhola?



c. Iisilinda

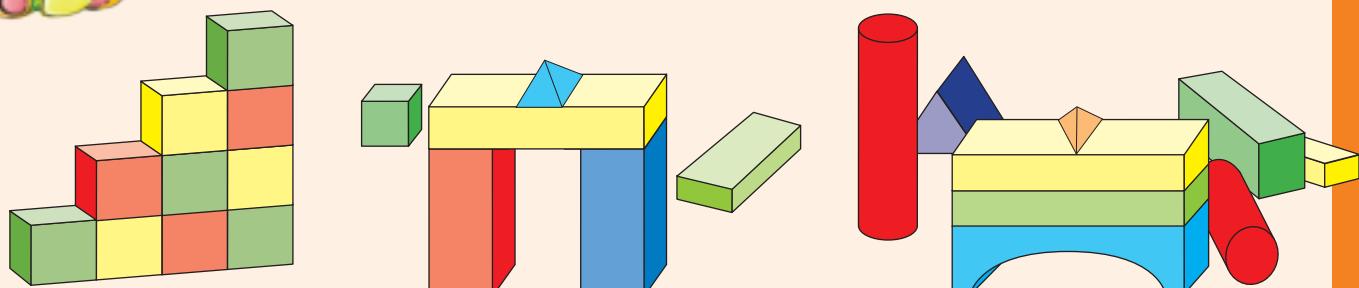


d. Ingaba nesilinda
iyakwazi
ukutshebeleza?

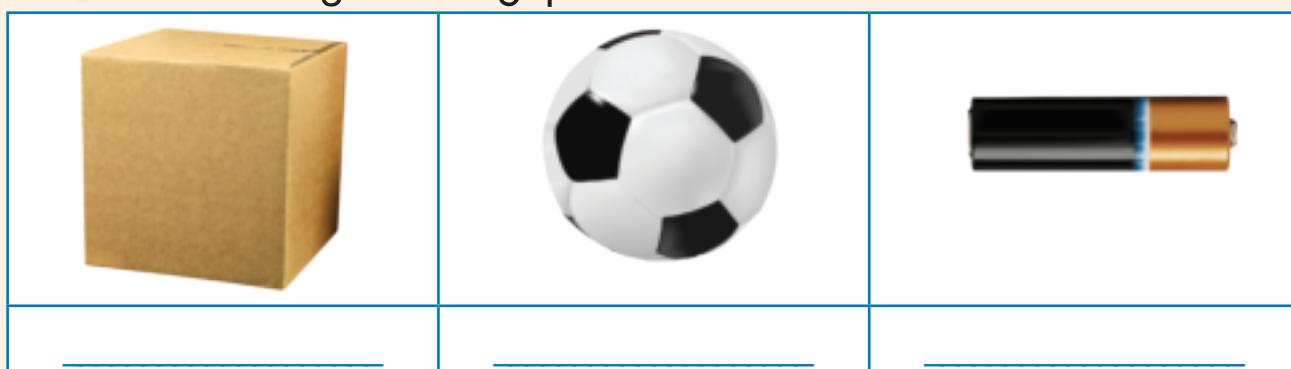


Nika amagama ezinto
ezisetyenziswe emfanekisweni ngamnye.

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



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



Zoba okulandelayo:

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



q |

Izicuku zezixhobo zemicu yamaqhezu

Umhla:

Ikota 3



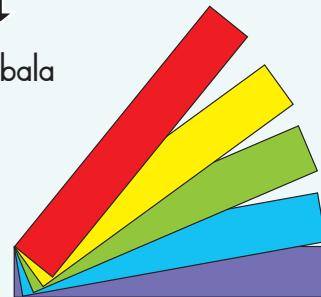
Izinto ezisetyenziswayo: imicu yephepha emi-5 enemibala eyahluka-hlukileyo, Izikere, Iipenisile/Iikhrayoni

Yenza isicuku sezixhobo
Sika ukhuphe iphepha lesi-5

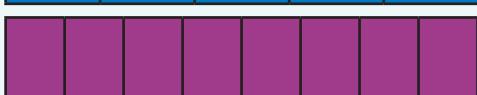
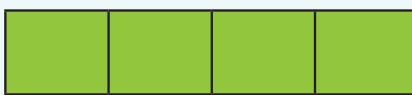
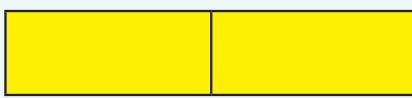
Kumcu omnye bhala la magama: "Into Enye Epheleleyo"

Thatha omnye umcu uze uwusonge ngononophelo ehafini.
Wuvule. Unamacala alinganayo amangaphi?
Bhala i- $\frac{1}{2}$ kwisiqingatha ngasinye uze usike emigobeni.

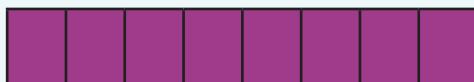
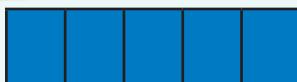
Thatha umcu wesithathu uwugobe ehafini, uze
uphinde uwugobe ehafini kwakhona. Wuvule. Zingaphi iinxenyen
ezilinganayo onazo? Bhala i- $\frac{1}{4}$ kwinxenyen nganye yesine okanye
kwikota nganye, uze usike emigobeni. Khawuzame ukwenza eminye
imicu emibini, omnye ubonise izihlanu uze omnye ubonise izibhozo.



Into Enye Epheleleyo

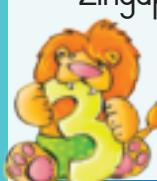


Sebenzisa amaqhekeza esicuku sezixhobo
ukuze akuncede uphendule le mibuzo.



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.

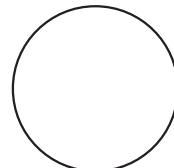
Into Enye
Epheleleyo

Yahlula umcu ngokweenxenyen ezintathu.

Yahlula isangqa sibe zizithathu.

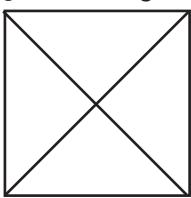
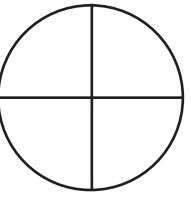
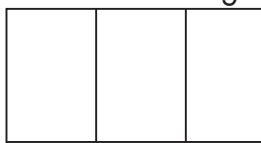
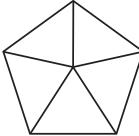
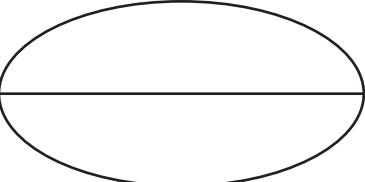
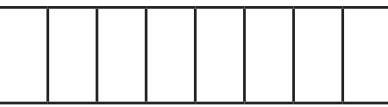
Faka umbala kwinxenyen enye yesithathu.

Faka umbala kwinxenyen
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.	Inxenye ezimbini kwezintathu ezilinganayo ngokusebenzisa unxantathu.
Inxenye ezine kwezintlanu ezilinganayo ngokusebenzisa isangqa.	Izibhozo ezine usebenzisa isikwere.	Inxenye ezimbini kwezintathu ezilinganayo usebenzisa uxande.



Lungisa isicuku sezixhobo sakho

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



q2

Amanye amaqhezu

Umhla:

Ikota 3



Bhala u-Ewe okanye u-Hayi

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

.....
.....
.....
.....
.....



Yaba iphayi

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

a. Ndilambile!
Ndifuna isiqingatha!



Zoba isabelo sikaSipho.

b. Kulungile! Ndiza kuthatha ikota.



Zoba isabelo sikaSipho nesikaGugu.



c. Ndiza kuthatha isiqingatha sento eseleyo.



Zoba isabelo sikaSipho, esikaGugu nesika-Andile.

d. Ingakanani iphayi endiza kuyifumana?

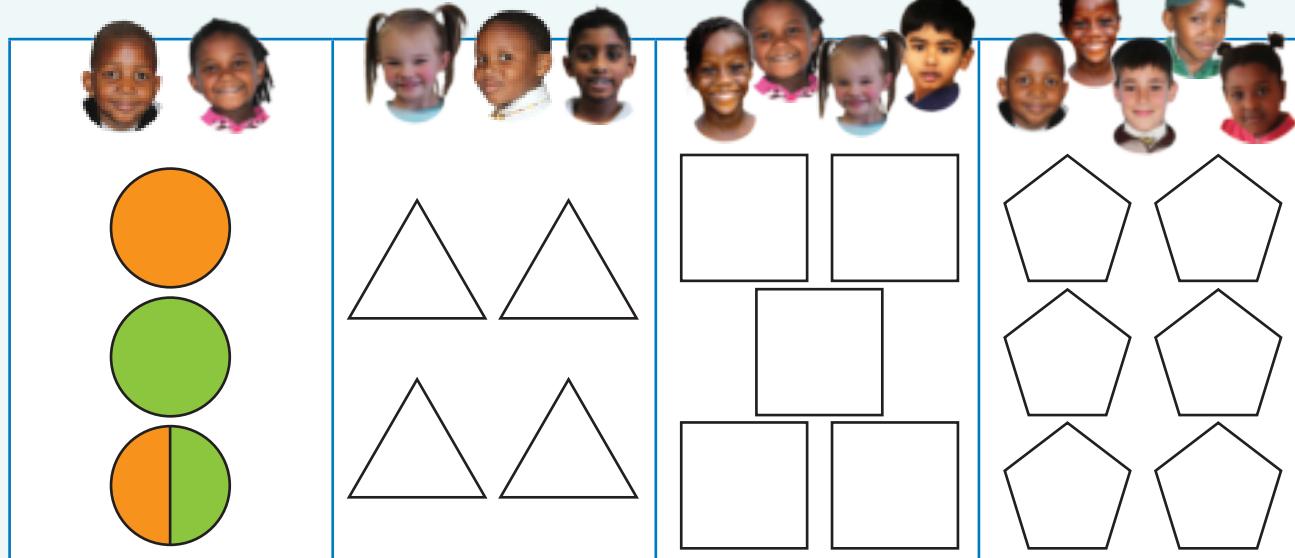


Zoba zonke izabelo zabo zephayi.





Yabela abantwana iimilo ngokukrwela umgca uze ufake umbala.



Abahlolo abane babelana ngeelekese ezi-5 ngokulinganayo.

Emnye kubo uza kufumana kangakanani?

Uthini umbuzo?

Athini amanani?

Zoba umfanekiso.

Abahlolo abathandathu babelana ngeelekese ezili-9 ngokulinganayo.

Emnye kubo uza kufumana ezingakanani?

Uthini umbuzo?

Athini amanani?

Zoba umfanekiso.



Teacher: _____
Sign: _____
Date: _____

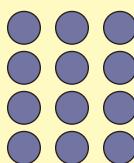
q3

Umhla:

Ikota 3

Ukwaba okukhokelela kumaqhezu

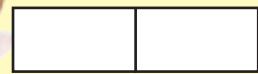
Nazi izibalisi
ezili-12



Singabahlobo ababini. Sinesikhongozelo esinye kuphela esahlulwe kanye ehafini.

Sithi esi sisicqingatha
esinye.

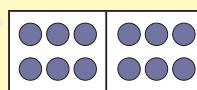
Sithi esi sisicqingatha
esinye.



Thina sobabini sabelana ngezibalisi
ezilishumi elinesibini..

Ndifumene izibalisi
ezintandathu.

Ndifumene izibalisi
ezintandathu.



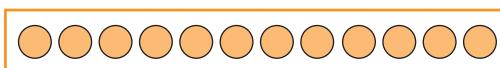
Yenza isazobe sezinto ezilandelayo uze
uphendule umbuzo.

Iibhola ezilithoba zahluelwa
abahlobo abathathu.



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



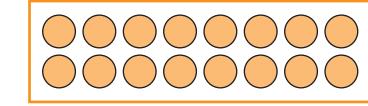
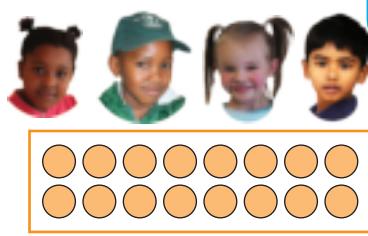
Lithini iqhezu eliya kufunyanwa nguMandla?
ULisa uya kufumana eliphi iqhezu?

Igama lam
ndingiMandla

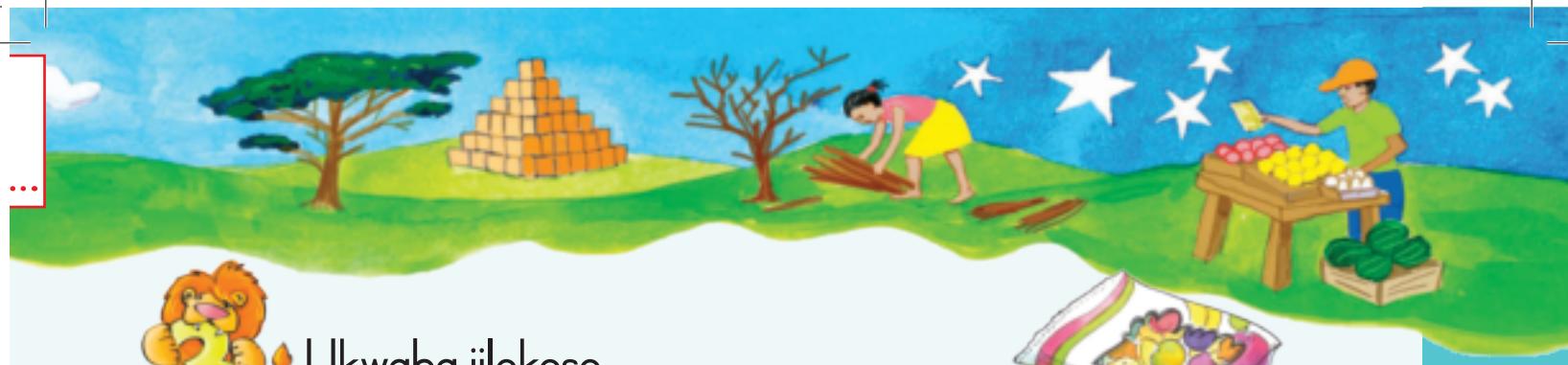


- Zingaphi iibhola eziza kufunyanwa nguMandla noLisa?

Igama lam
nguLisa



- Zingaphi iibhola eziza kufunyanwa nguMandla noLisa?



Ukwaba iilekese.



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

- a. Zingaphi iipakethi ekufuneka benazo zokwabela:

abahlolo aba-4? _____ abahlolo aba-6? _____ abahlolo aba-9? _____



- b. Bangaphi abahlolo 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 _____



11 12 13 14 15 16 17 18 19 20

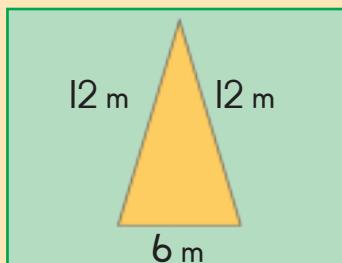
94

Umhla:

Iperimitha/Umjikelezo

Ikota 3

Igama elithi pherimitha lithetha ubude okanye umjikelezo.



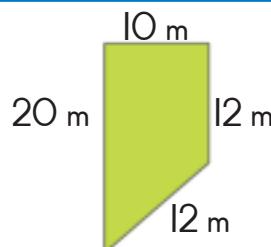
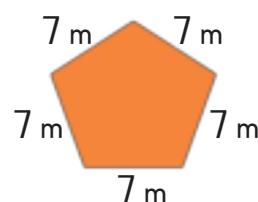
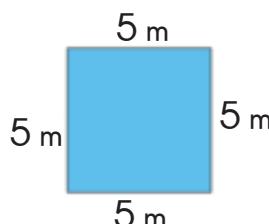
Umfama unomhlaba wokulima ongunxantathu.

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 sika Veronica.

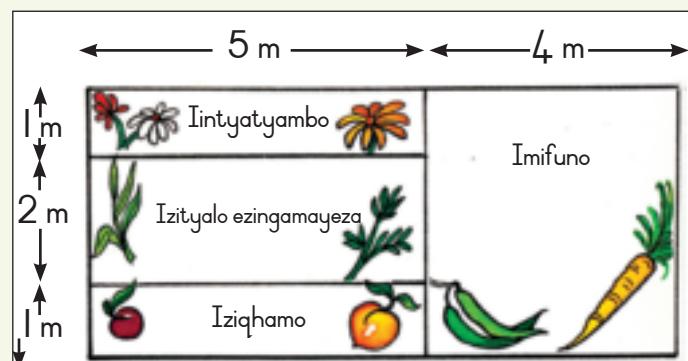
UVeronica uzoba isitiya afuna ukusilima.

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? _____

1 2 3 4 5 6 7 8 9 10



Yenza isicwangciso sesitiya sakho.

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

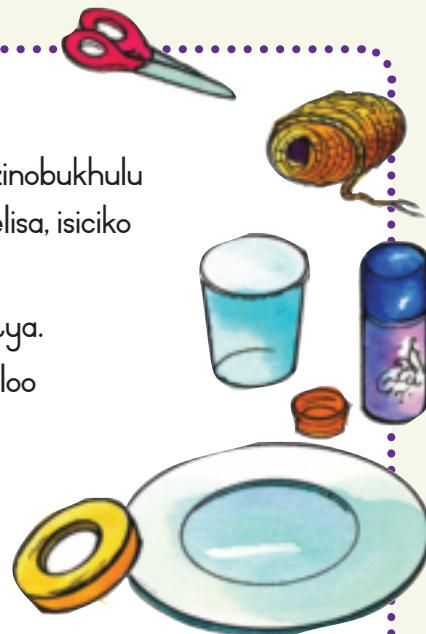


Ukulunganisa izangqa

Sebenza nomhlobo.

Izinto ezisetyenziswayo: Izinto ezili-10 ezimile okwesangqa ezinobukhulu obahlukeneyo ezifana nepleyiti, iglasi, iteyiphu yokuncamatheisa, isiciko sebhottile, 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 kwelinje icala lesangqa. Bala ukuba ifikelela kangaphi kwelinje icala lesangqa.
4. Yenza njalo nangezinye izinto ezizizangqa.
5. Bhala into oyiqaphelayo.



<p>Umgama ojikeleza isangqa ubizwa ngokuba sisazinge okanye isekhamfarensi.</p>	
<p>Umgama onqamleza isangqa waziwa ngokuba yidayamitha.</p>	



95a

Umhla:

Imali yokurhweba

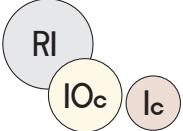
Ikota 3

Dlala le midlalo nomhlolo wakho.

Izinto ezisetyenziswayo:

RIOO

RIO



RIOOs	RIOs	RIs	IOc	Ic

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

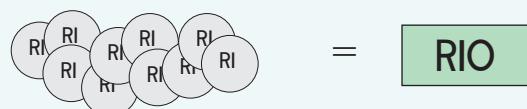
Beka iBhodi yeMali etafileni.

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

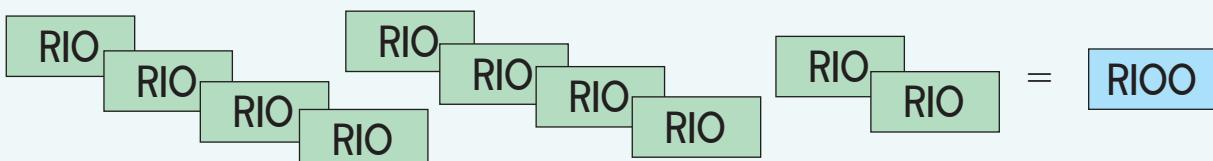


Dibanisa ufilelele kwiiRandi ezili-100.

- Umalali ngamnye ufumana ithuba lokaqengqa idayisi. Dibanisa amanani amabini.
- Thatha elo nani leenkozo ze-RI uzibeke kwindawo yee-RI ebbodini.
- Msinyane emva kokuba neenkozo ze-RI kufuneka urhwebe ngazo ukuze uzuze imali eliphepha ye-RIO.



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



- 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	RIs	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 sowuneenkozo 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:

95b

Masiye ezivenkileni!

Umhla:

Ikota 3



Iminqwazi ethengiswayo.

Ivenkile ithengisa iminqwazi ngamaxabiso
ama-5 ahlukeneyo.



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

- Funa ixabiso leminqwazi kumqolo ngamnye.
- UMaZondo uthenga omnye kuhlobo ngalunye lomnqwazi.

Ubhatala malini iyonke? _____

- UButi uchitha ama-R450 iyonke. Uthenga umnqwazi omnye nge-R100.

Yeyiphi eminye iminqwazi ayithengayo? Bonisa iimpendulo ezinokuchaneka ezi-2.

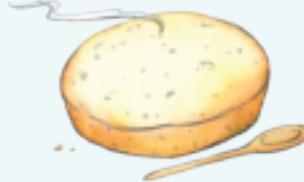
Qwalasela!
Thelekisa!
Lungisa!

Impendulo 1	Impendulo 2



Kwivenkile yesonka.

uMusa usebenzisa iresiphi yokwenza ikeyiki etofotofo.



Iresiphi yekyiki 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 iikeyiki 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 inokudibana malunga: neekeyiki ezili-10;
iikeyiki ezisi-7; iikeyiki ezisi-8



Izibalo ezikhawuleziswayo

Qwalasela!
Thelekisa!
Lungisa!

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

11 12 13 14 15 16 17 18 19 20



qb

Umhla:

Okunye ngeenkukacha

Ikota 3



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: Osedesikeni? _____

Ojikelezayo? _____

Osenkundleni? _____



Usuku lwemithi

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



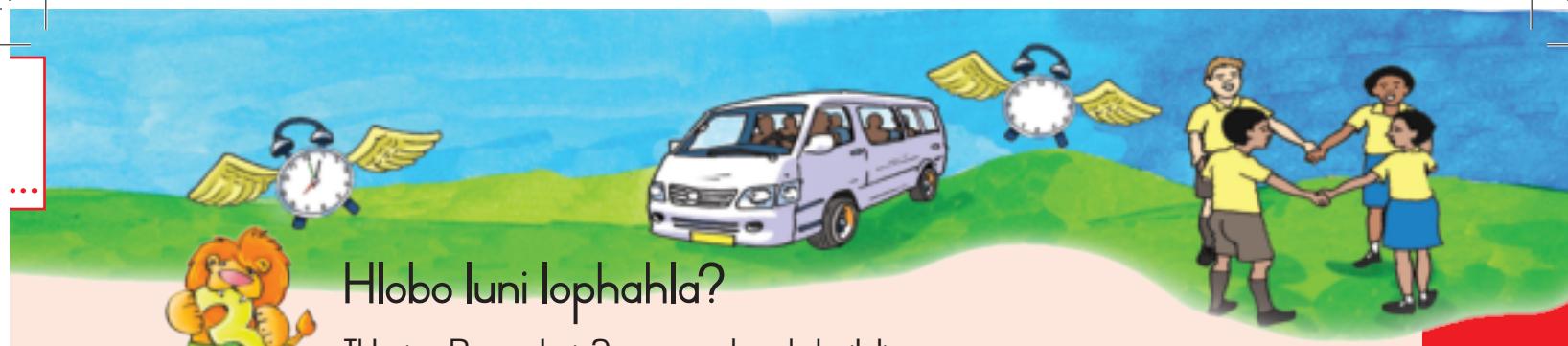
Klipspruit	
Mthonjeni	
Sonskyn	
Thuthong	
Mosiba	

Isikolo ngasinye sityala imithi emingaphi?

eKlipspruit	eMthonjeni	eSonskyn	eThuthong	eMosiba

Mingaphi imithi etyalwe zizikolo iyonke? _____

1 2 3 4 5 6 7 8 9 10



Hlolo luni lophahla?

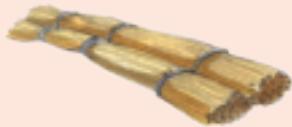


Iklasi yeBanga lesi-3 yenza uphando kwilali yayo.

Bafuna ukuqonda ngeentlolo zamaphahla ezindlwini ezahlukeneyo.

Babonisa iziphumo zabo kule grafu yeebloko.

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



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

Zingaphi kuhlolo 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!



11 12 13 14 15 16 17 18 19 20

97

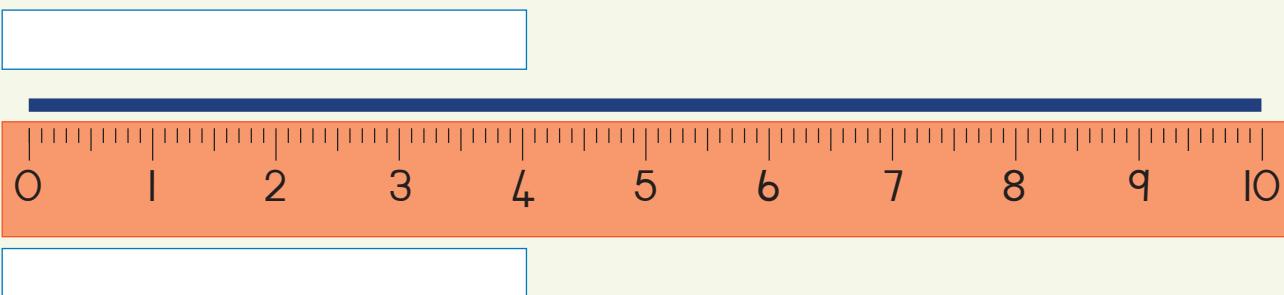
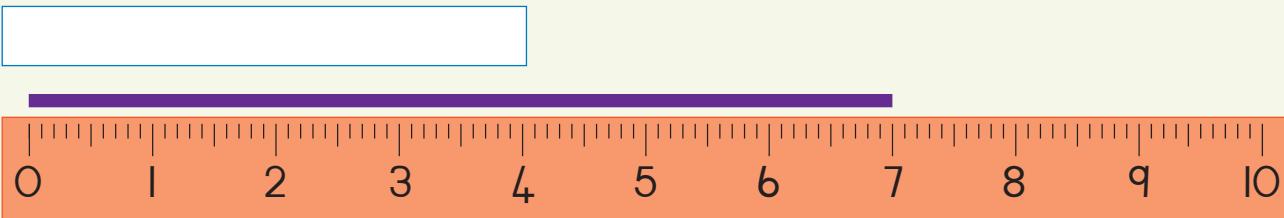
Ukusebenza ngeesentimitha

Umhla:

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. Tipenisile zakho bezinobude obungange-15 cm phambi kokuba uzisebenzise.

a. Ubude bencwadi _____

b. Ukuphakama kocango _____

c. Ubude bepenisile _____

d. Ubude bakho _____

e. Ubude bomnwe wakho _____

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



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

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



a. Yeyiphi ipenisile oyisebenzise kakhulu? _____

b. Yeyiphi eyona penisile oyisebenzise kancinci? _____

c. Bhala ubude beepenisile zakho uqale ngeyona imfutshane ugqibele ngeyona inde _____



11 12 13 14 15 16 17 18 19 20

q8

Ama-700 ukuya kuma-800

Umhla:

Ikota 4



Bala uze ubhale.

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

700



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

- b. Bhala amanani angekhoyo kwigridi 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.

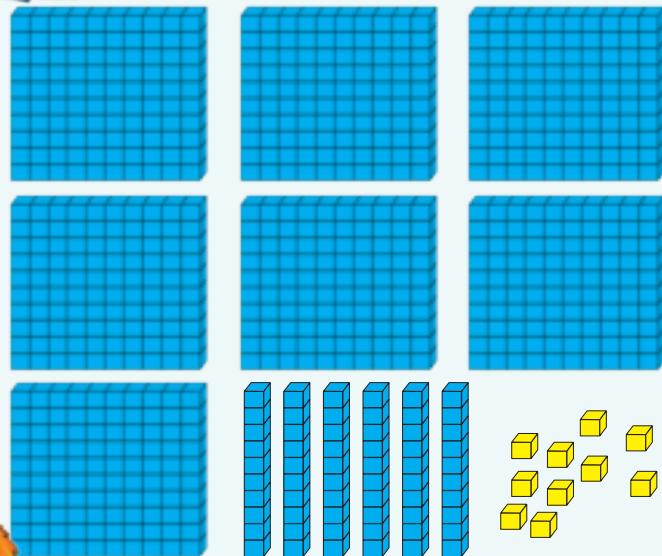
751; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 773

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

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



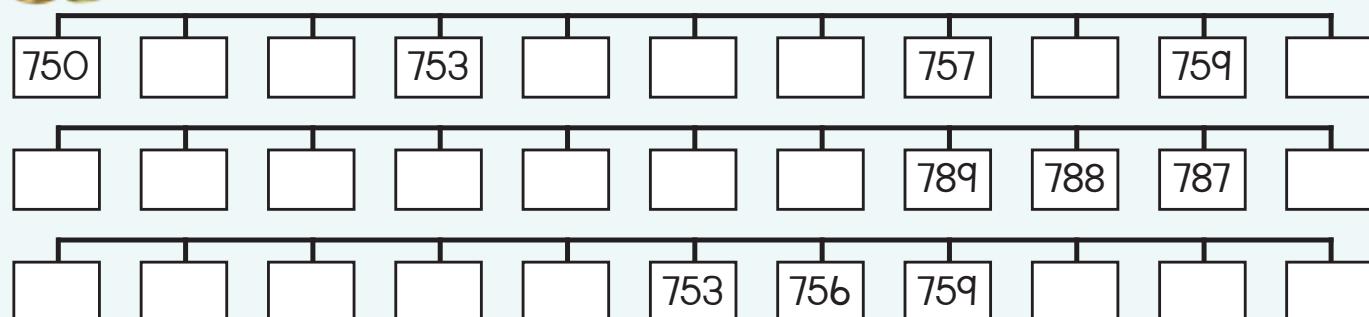
Ubale iibloko ezingaphi?



Uzibale njani iibloko?



Gqibeza imigca-manani.



Gqibeza
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

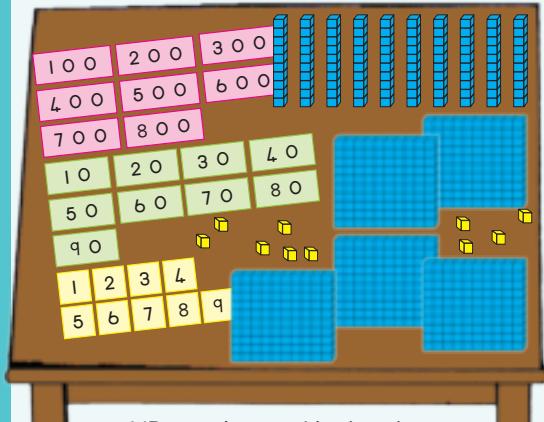
11 12 13 14 15 16 17 18 19 20

qq

Amanye amanani aqala kuma-700 ukuya kuma-800

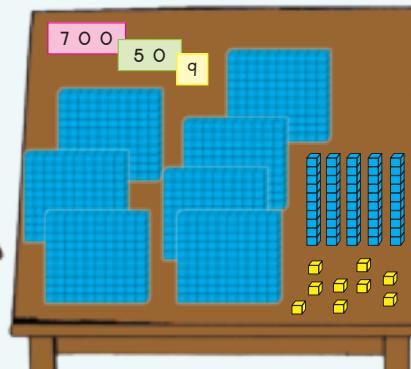
Umhla:

Ikota 4

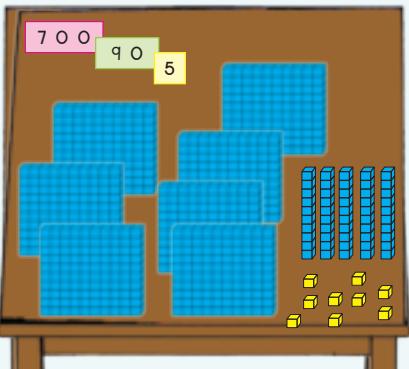


UPeter ebenamakhadi endawo yexabiso kune neebloko zamashumi.

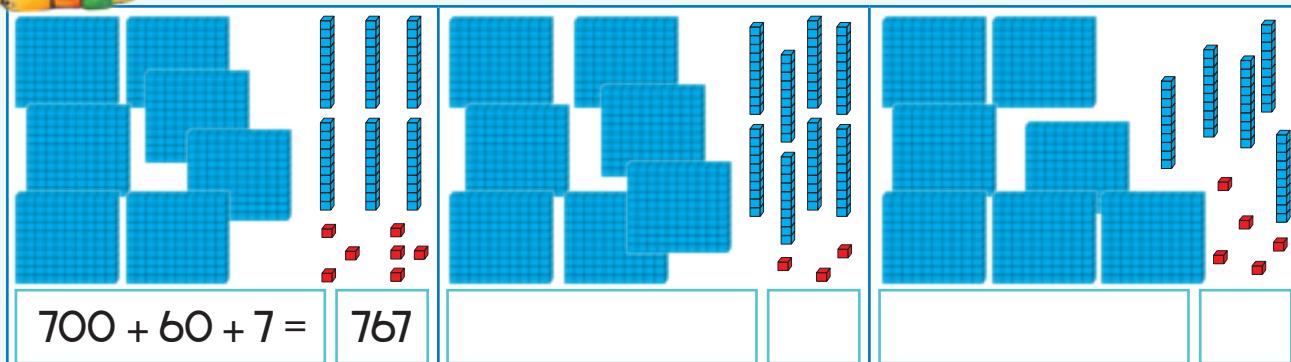
Utitshala ucele uPeter ukuba abonise ama-759 ngamakhadi akhe neebloko zakhe.



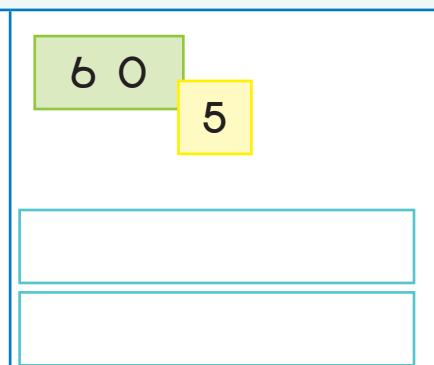
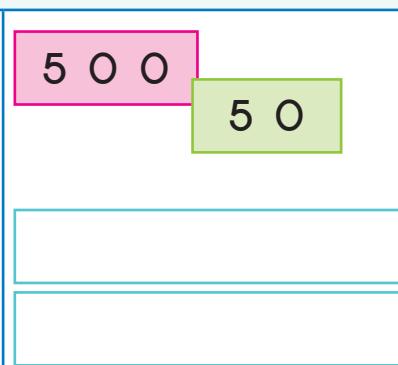
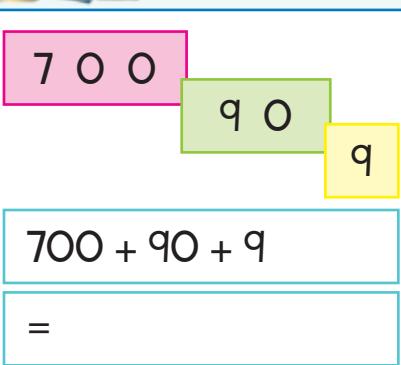
UBen ubonisise oku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani wandule ukubhala impendulo.



Bhala isivakalisi samanani wandule ukubhala impendulo.





Gqibezela umgca-manani.

789 790 791 799

Ndinike onke amanani angaphantsi kunama-795. _____

Ndinike onke amanani amakhulu kunama-795. _____



Faka <, > okanye =.

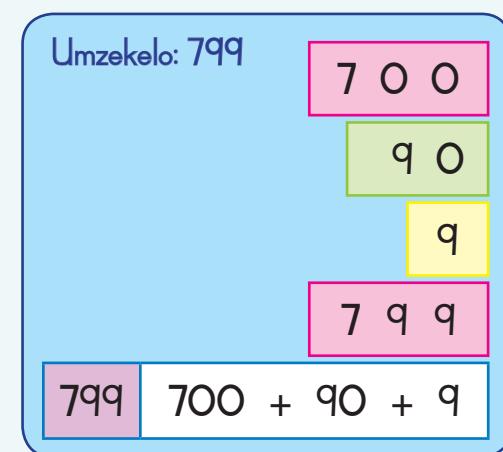
- a. 799 766 b. 745 750
c. $700 + 90 + 7$ 767



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	



Bhala la manani ngamagama.

668	
757	
799	
742	
691	



100

Amanani ukusuka

kuma-800 ukuya kuma-900

Umhla:

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 kwigridi 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.

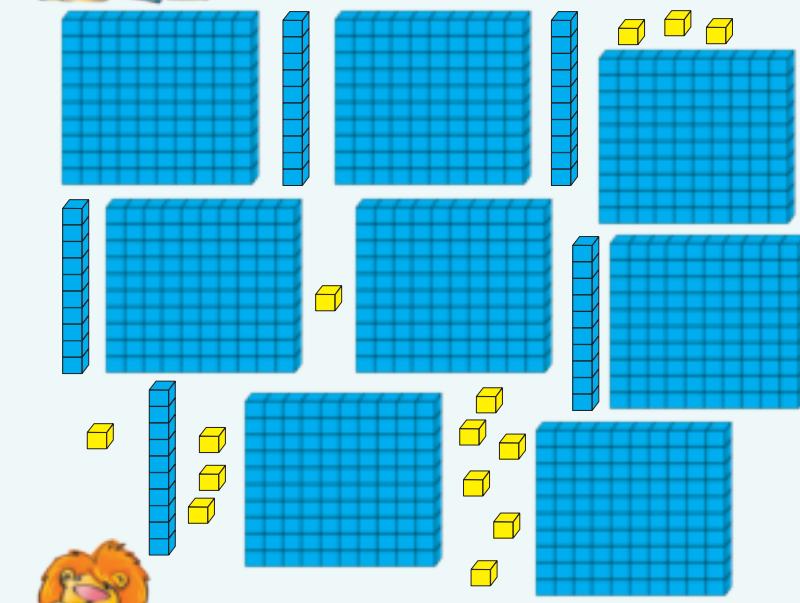
807; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 829

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

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



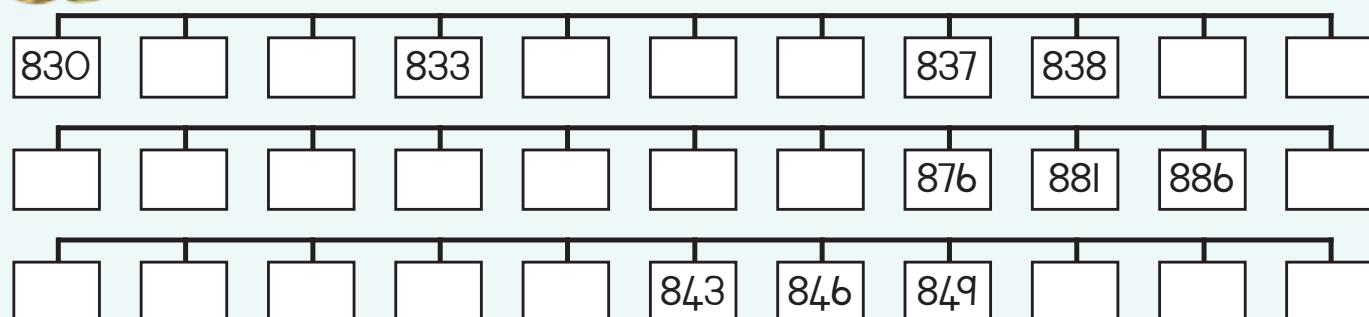
Ubale iibloko ezingaphi?



Uzibale njani iibloko?



Gqibezela imigca-manani.



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



Teacher:
Sign:
Date:



Bhala inani ngamagama.

845

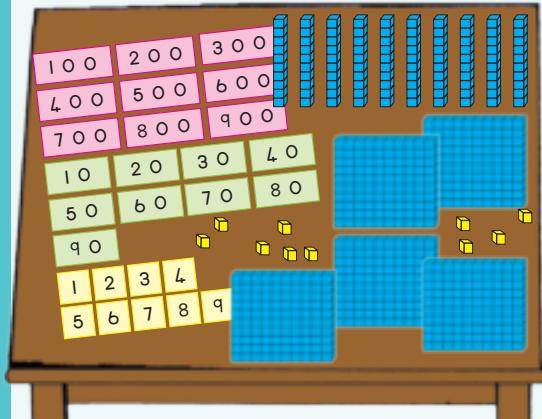
11 12 13 14 15 16 17 18 19 20

101

Amanye amanani aqala kuma-800 ukuya kuma-900

Umhla:

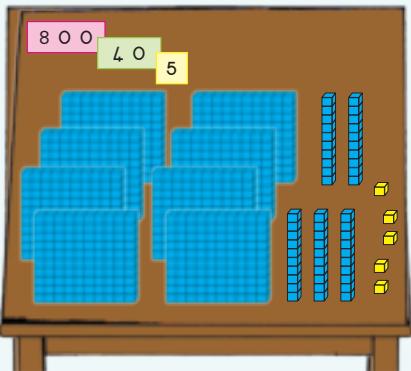
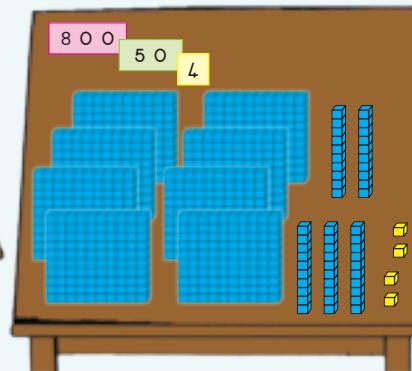
Ikota 4



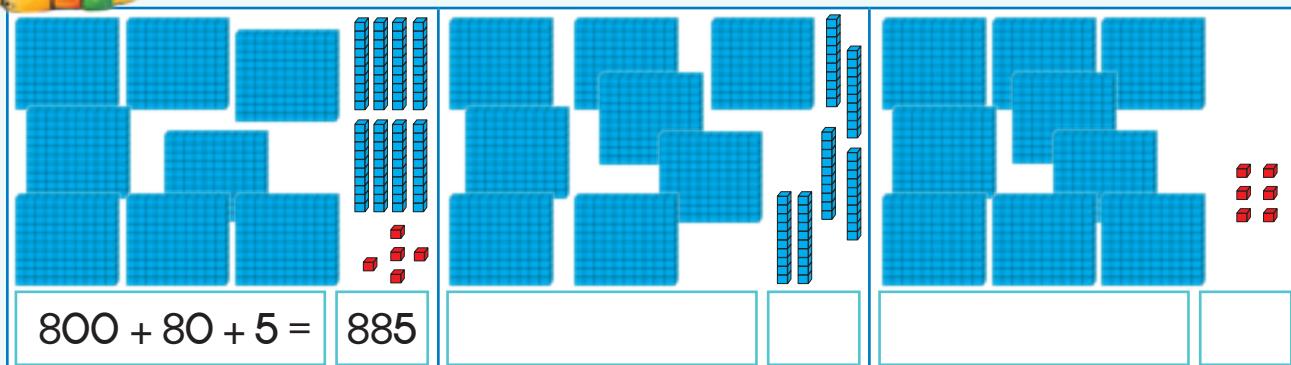
UPeter ebenamakhadi exabiso
lendawo kune neebloko
zamashumi.

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

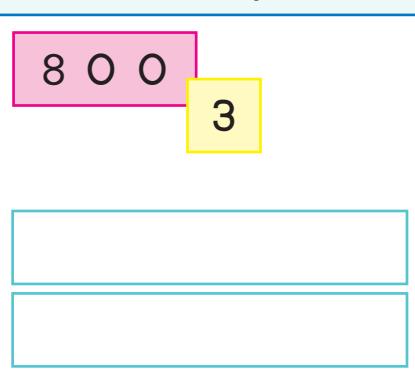
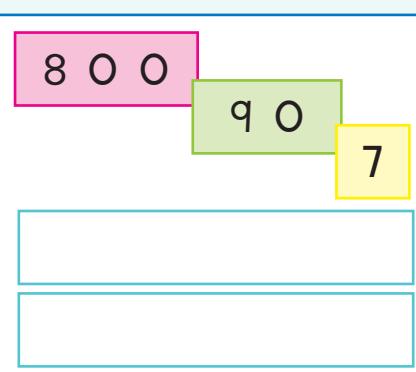
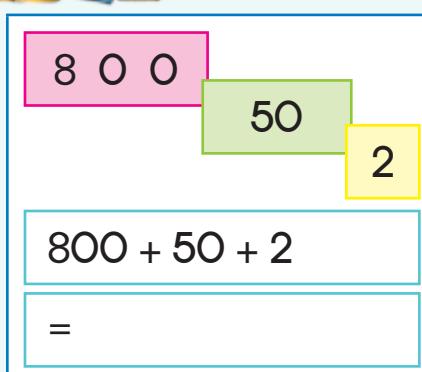
Naku okuboniswe nguBen.
Yintoni angayenzanga kakuhle.



Bhala isivakalisi samanani uze uphendule imibuzo.



Bhala isivakalisi samanani wandule ukubhala impendulo.





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

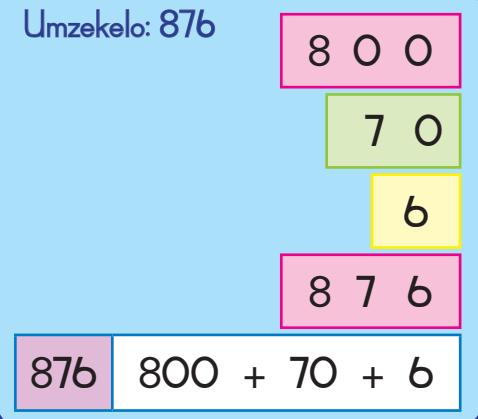


Calula inani lakho.

- 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



Bhala la manani ngamagama.

889	
825	
803	
830	
899	



11 12 13 14 15 16 17 18 19 20

102a

Umhla:

Ukulinganisa ubunzima bezinto

Ikota 4



Jonga imifanekiso elandelayo uze uphendule imibuzo.



- Ingaba umgubo wokuhlamba impahla oyi-1 kg, ukhaphukhaphu okanye unzima kunomgubo wokuhlamba impahla oyi-2 kg?
- Yeyiphi ekhaphu-khaphu: Isiriyeli yakusasa eyi-500 g okanye iibhisikithi eziyi-200 g?
- Yeyiphi enzima kunenye: Amafutha okuthambisa ubuso e-100 g okanye ipakethi yomngqusho ye-1 kg?

Ingaba bungakanani ubunzima bemizimba yethu sisonke?



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



Imveliso 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.



Gqibeza itheyibhile

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

Intu	Uqikelelo	Umlinganiselo	Umahluko phakathi koqikelelo nomlinganiselo



Iimveliso zinobunzima obungakanani zidibene?

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



102b

Masiqhube ngokulunganisa ubunzima

Umhla:

Ikota 4

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

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

Ubunzima sibulunganisa ngeekhiilogrem nangeegrem.

Izikali ezahlukeneyo

Sisebenzisa iintlobo ezahlukileyo zezikali xa silunganisa ubunzima.

Silinganisa imasi ngebhalansi kanti
ubunzima sibulunganisa ngesikali sesipringi.

Ilitha yamanzi inemasi engange-1 kg.

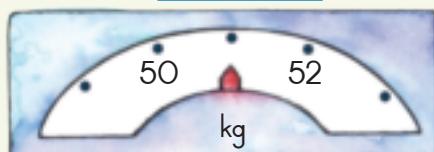
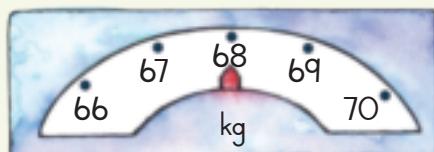
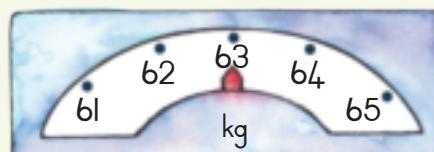


Le ntlanzi inobunzima be-3 kg.



Funa ubunzima

Bhala ubunzima ngokwe-kg njengoko kubonisiwe
kwisikali ngasinye.

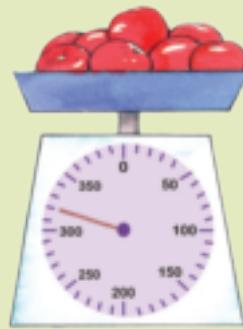




Sisebenzisa iigrem ukulinganisa ubunzima bezinto ezincinane okanye ezikhaphu-khaphu nokulinganisa amaqhezu ekhilogrem.

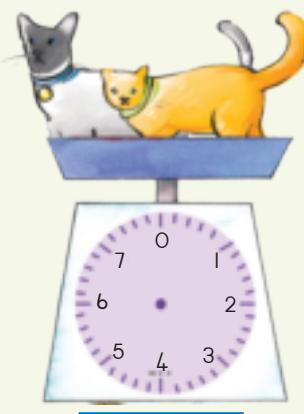
$$1000 \text{ g} = 1 \text{ kg}$$

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



Zinzima kangakanani?

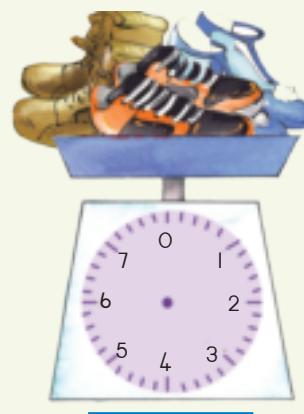
Zoba ukuba usiba lufanele ukuya ngaphi kwisikali ngasinye.



7 kg



4 kg



6 kg



Yenza ikhilogrem

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

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



103

Amanani ukusuka

kuma-900 ukuya kwi-l 000

Umhla:

Ikota 4



Bala uze ubhale!

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

900



901		903						910
							919	
		943					948	
981								
991							999	

- b. Bhala amanani angekhoyo kwigridi 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.

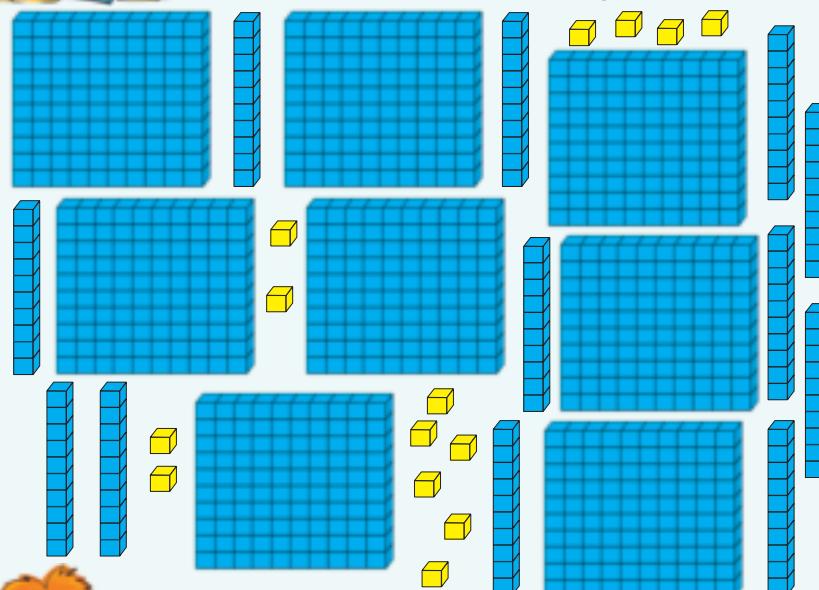
945; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 967

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

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



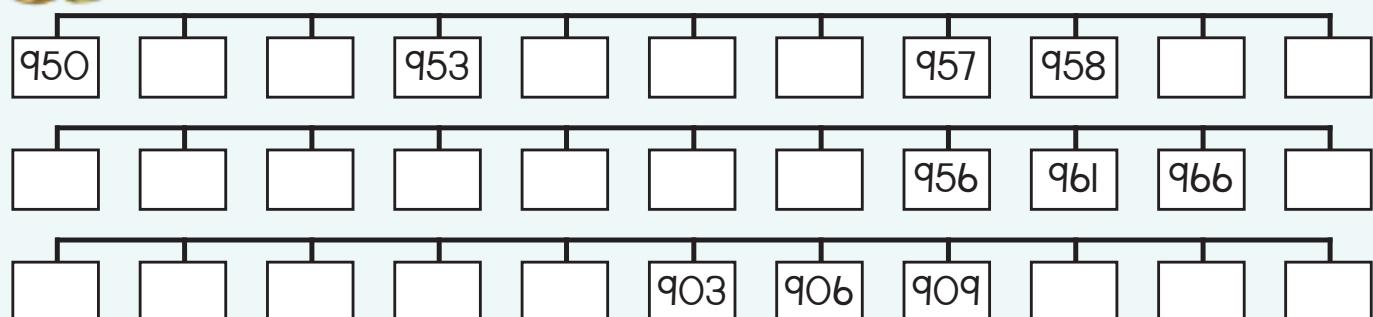
Ubale iibloko ezingaphi?



Uzibale njani iibloko?



Gqibeza imigca-manani.



Gqibeza itheyibhile.

Bhala ukususela kwelona lincinane ukuya kwelona likhulu.

Bhala ukususela kwelona likhulu ukuya kwelona lincinane

q36, q33, q35, q31, q37		
q78, q07, q70, q17, q71		



Bhala inani ngamagama.

695

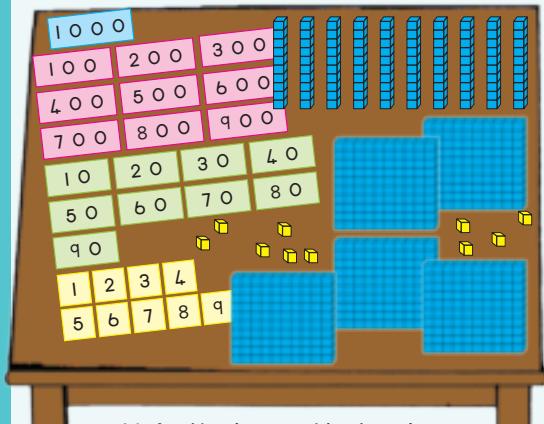
11 12 13 14 15 16 17 18 19 20

104

Amanye amanani

aqala kuma-900 ukuya kwi-1 000

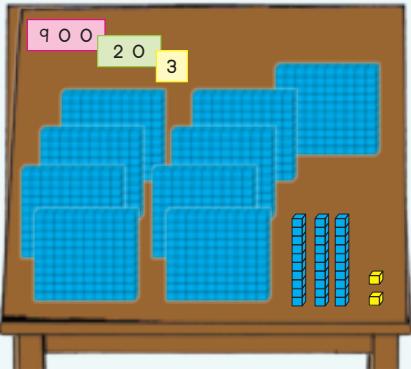
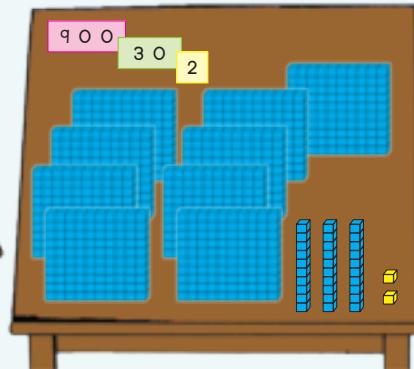
Ikota 4



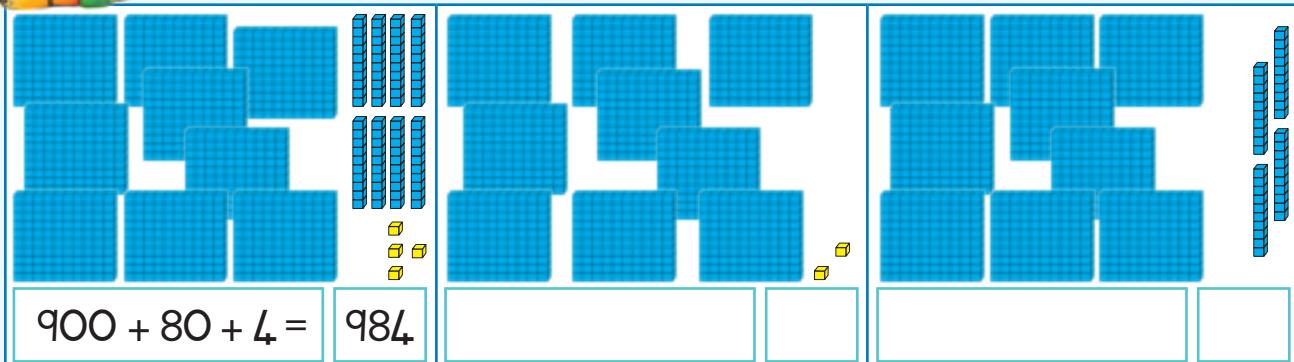
U-Andile ebenamakhadi exabiso lendawo neebloko zamashumi.

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

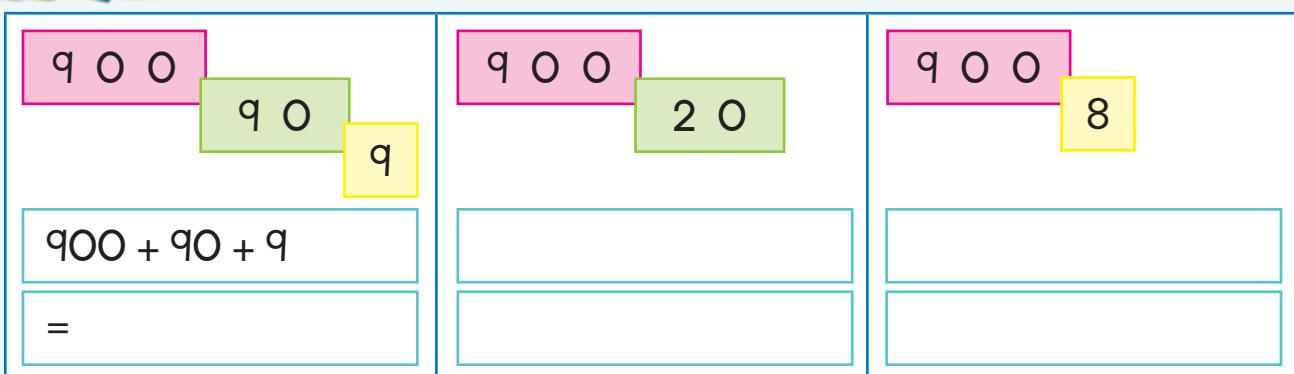
UGugu ubonise oku. Yintoni angayenzanga kakuhle?



Bhala isivakalisi samanani uze uphendule.



Bhala isivakalisi samanani uze uphendule.





Gqibezela umgca-manani.

989 990 991 999

Ndinike onke amanani angaphantsi kunama-995.

Ndinike onke amanani amakhulu kunama-995.



Fakela <, > okanye =.

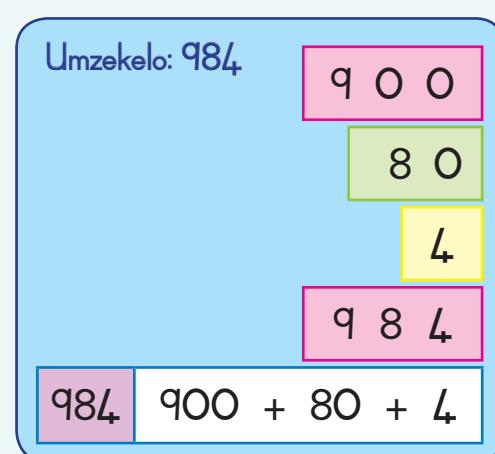
- a. 999 998 b. 957 975
c. $900 + 60 + 1$ 961



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	



Bhala la manani ngamagama.

976	
905	
950	
821	
909	



105

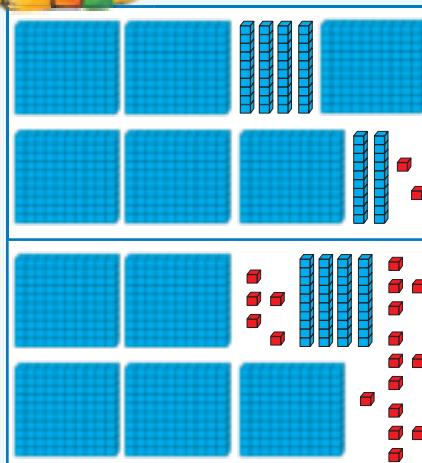
Ukudibanisa nokuthabatha ukususela kuma-qqq

Umhla:

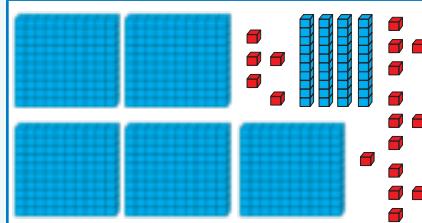
Ikota 4



Bhala isivakalisi samanani ngesibalo ngasinye.



Chaza ukuba uzbale njani iibloko.



Chaza ukuba uzbale njani iibloko.



Sebenzisa umzekelo ukuze ukukhokele.

5 0	5 0	ama-50 aphinda-phindwe kabini li-100	3 0 0	3 0 0	
2 0 0	2 0 0		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

$$= 340 + 340$$

$$= \text{Phinda-phinda kabini ama-}340$$

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

$$= 600 + 80$$

$$= 680$$

b. $340 + 341$

$$= \text{Phinda-phinda kabini ama-}340 + 1$$

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

$$= 600 + 80 + 1$$

$$= 681$$

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?



Teacher:
Sign:
Date:



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	Isiphele	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	



Nkencenkceshela isitiya.

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

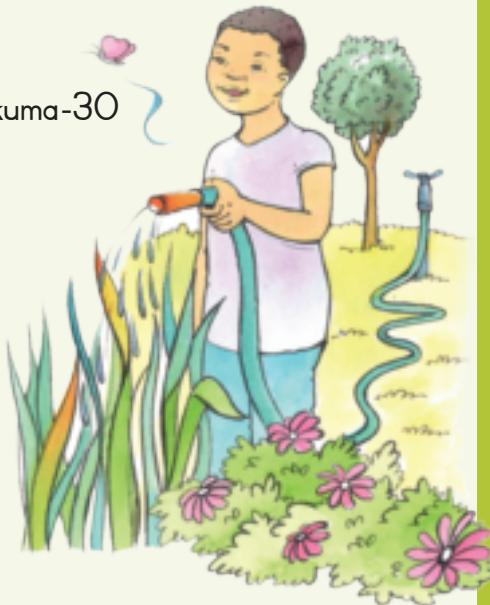
Ithumbu lamanzi linokusebenzisa iilitha ezingaphi zamanzi:

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.

ngMvulo	ngolwesibini	ngolwesithathu	ngolwesine	ngolwesihlanu	ngMqqibelo	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 ixabisia i-R18,50.

Ingaba iibhotile ezi-4 ziyimalini? _____ .



107

Umhla:

Ukusebenza ngemali

Ikota 4



Bala imali eziinkozo nengamaphepha.

$10 \times \text{R}1 = \text{R}1$	$20 \times \text{R}1 = \text{R}2$	$50 \times \text{R}1 = \text{R}5$	$100 \times \text{R}1 = \text{R}10$
$10 \times \text{R}2 = \text{R}2$	$20 \times \text{R}2 = \text{R}4$	$50 \times \text{R}2 = \text{R}10$	$100 \times \text{R}2 = \text{R}20$
$10 \times \text{R}5 = \text{R}5$	$20 \times \text{R}5 = \text{R}10$	$50 \times \text{R}5 = \text{R}25$	$100 \times \text{R}5 = \text{R}50$
$10 \times \text{R}10 = \text{R}10$	$20 \times \text{R}10 = \text{R}20$	$50 \times \text{R}10 = \text{R}50$	$100 \times \text{R}10 = \text{R}100$
$10 \times \text{R}100 = \text{R}100$	$20 \times \text{R}100 = \text{R}200$	$50 \times \text{R}100 = \text{R}500$	$100 \times \text{R}100 = \text{R}1000$
$100 \times \text{R}1 = \text{R}100$	$100 \times \text{R}2 = \text{R}200$	$100 \times \text{R}5 = \text{R}500$	$100 \times \text{R}10 = \text{R}1000$
$100 \times \text{R}10 = \text{R}1000$	$100 \times \text{R}50 = \text{R}5000$		

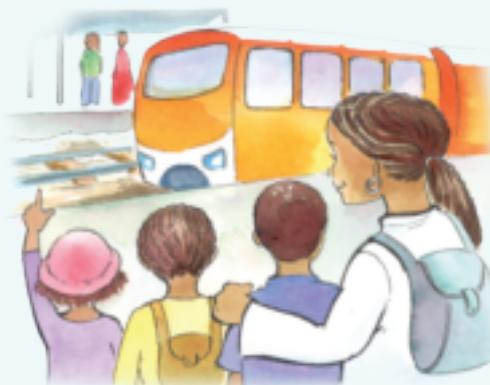


Uhambo ngololiwe

UKgethi kune nabantwana bakhe aba-3 bakhwela uloliwe.

Abantu abadala nabantwana babhatala imali efanayo.

UKgethi ubhatala ngale mali ingamaphepha.



Ufumana itshintshi engama-R30.

Liyimalini itikiti elinye? Phawula (✓) impendulo echanekileyo:

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

Qwalasela!
Thelekisa!
Lungisa!



Isirhoxo sikaSandile

uSandile ubhala phantsi yonke ingeniso yakhe kwitheyibhile.

Uqala aqikelele, aze abale ingeniso yakhe yemihla ngemihla. Ingeniso yimali

esiyifumanayo. Nceda uSandile aggibezele izibalo zakhe. Bhala iimpendulo kule theyibhile:

		Uqikelelo	Itotali
NgoMvulo	R50 + R75 + R200 + R350 + R25		
NgoLwesibini	R25 + RI75 + R50 + R320 + R90		
NgoLwesithathu	R50 + R75 + R200 + R350 + R25		
NgoLwesine	RI20 + R55 + RI80 + R245 + R25		
NgoLwesihlanu	R60 + RI50 + RI40 + R200 + RI25		
NgoMgqibelo	R50 + R75 + R200 + R350 + R25		
NgeCawe			

Bala itshintshi.



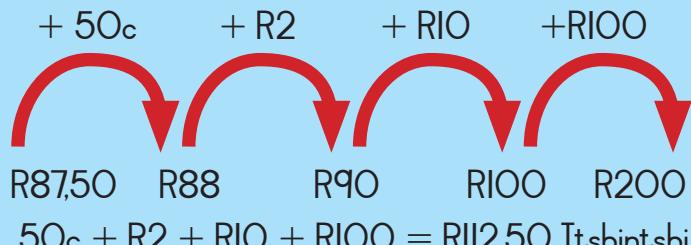
Ukuze ufumane itshintshi kufuneka udibanise kwixabiso lezinto ozithengileyo nakwimali engamaphepha oyibhateleyo.

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:







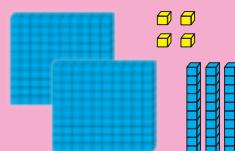
Okunye ukudibanisa nokuthabatha ukuya kutsho kuma-qqq

Masisombulule iqhina lesibalo.

UGugu uqokelele izitikha ezingama-234.
UMandla umniwe ezinye izitikha ngaphezulu
ezingama-50I.
Zingaphi izitikha anazo zizonke?

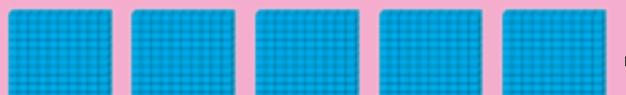


ULisa uysombulule ngale
ndlela le ngxaki kaGugu.



Uthini umbuzo?
Zingaphi izitikha anazo ngoku?
Leliphi igama elibalulekileyo? Ezinye ngaphezulu
Athini amanani? Ama-234 nama-50I

Masibonise ngeebloko zamashumi.



U-Aakar wenze ngolu hlobo.
Wenze umzobo.



Ibloko zamashumi ezimiswe ngulisa zifana njani nomzobo ka-Aakar?

Sebenzisa inani elikwingxaki engasezantsi ukuze uysombulule ngokusebenzisa iindlela ezimbini uzifundileyo.

Iindlela yoku-1

Iindlela yoku-2



2

Imisebenzi yakusasa.

UThembu uqokelela izinto ezingama-624 neetoti ezingama-268.

Uqokelele iibhotile zeplasitiki ezingama-624 neetoti ezingama-268.

Zingaphi izinto aziqokeleleyo?

Uthini umbuzo?

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



109

Okunye ukudibanisa nokuthabatha ukuya kuma-qqq

Umhla:

Ikota 4

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

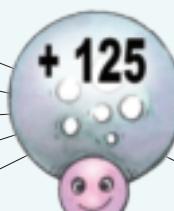
- a. i-12 ngaphezu kwama-523 lenza _____.
- b. i-15 ngaphantsi kwama-540 lenza _____.
- c. ama-20 ngaphezu kwama-576 enza _____.
- d. ama-60 ngaphantsi kwama-590 enza _____.

- e. 537 thabatha 29 _____.
- f. isiqingatha sama-300
li- _____.
- g. ama-420 aphindwe kabini
_____.
- h. isiqingatha sama-600
ngama- _____.

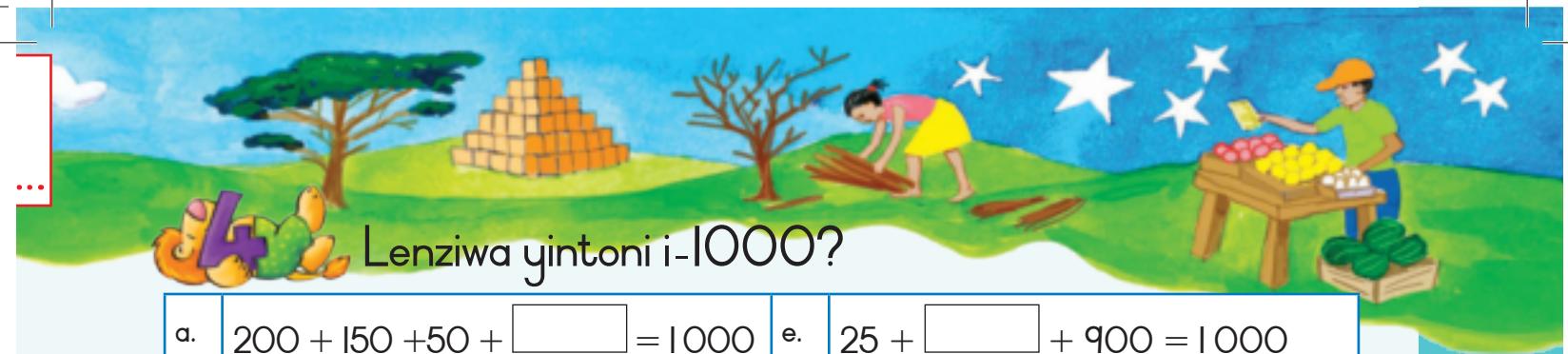


Dibanisa
125

200
150
125
250
400



325



Lenziwa yintoni i-1000?

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

Khangela iintsapho zamanani zoku+ noku—

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



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

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 apheloley (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:

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



11 12 13 14 15 16 17 18 19 20

110



Ikota 4

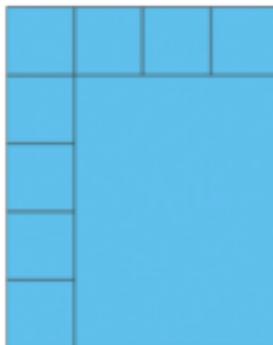


Iphazile zokulinganisa

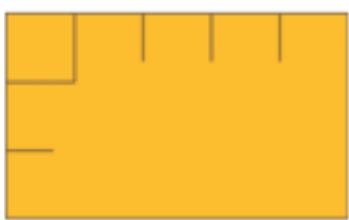
Fumana ieriya

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

a.



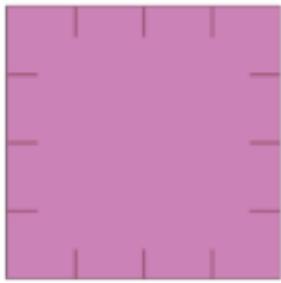
b.



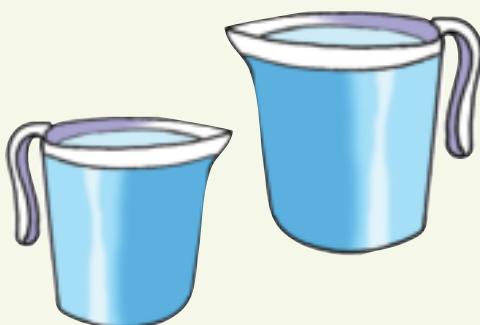
c.



d.



Sombulula eli qhina



Ufuna ukulinganisa iilitha ezi-4 nqo zamanzi.

Unezhikhongozeli ezibini: esinye sithatha iilitha ezi-3 esinye sithatha ezi-5. Ugenza njani?

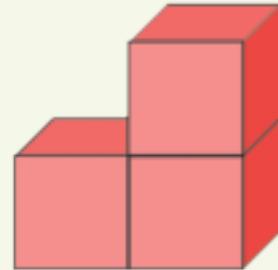
Umkhondo: zimbini iindlela onokwenza ngazo.



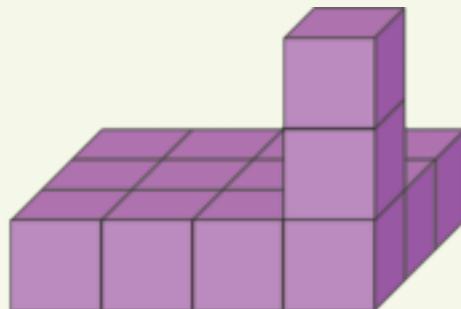
Ubona ntoni?

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-II. Ungazisebenzisa njani ezi santi zokulinganisa ixesha xa ufunu ukuqonda ukuba iphele nini imizuzu eli-15?

Qwalasela!
Thelekisa!
Lungisa!



11 12 13 14 15 16 17 18 19 20

III

Iipatheni zamanani:

amashumi ukuya kuma-900

Umhla:

Ikota 4

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?

Anezagqa ezibomvu: Sibala nge _____.

Bhala ipatheni: _____

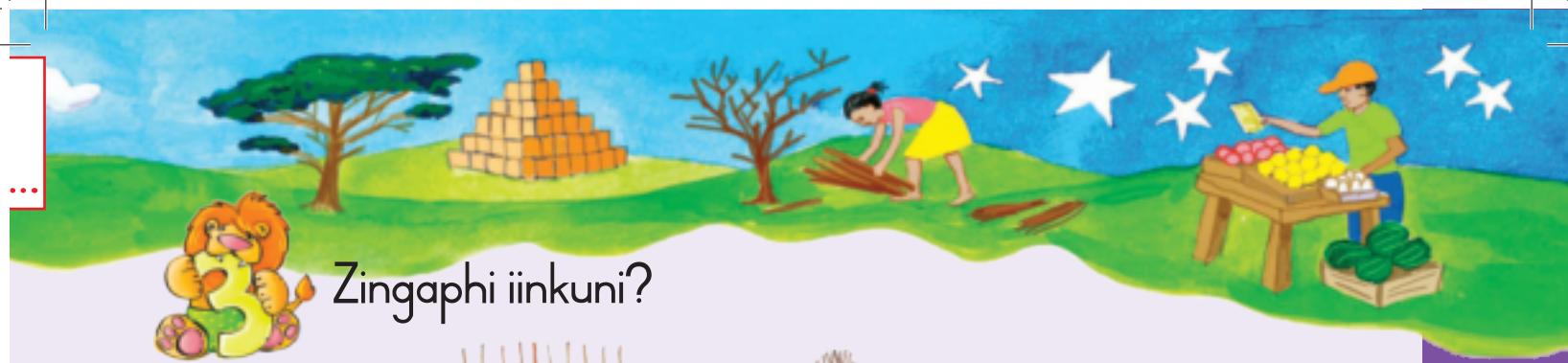
Anezagqa eziluhlaza: Sibala nge _____.

Bhala ipatheni: _____



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		=	<u> </u> iinkuni
2		=	<u> </u> iinkuni
3		=	<u> </u> iinkuni
4		=	<u> </u> iinkuni
5		=	<u> </u> iinkuni
6		=	<u> </u> iinkuni
7		=	<u> </u> iinkuni
8		=	<u> </u> iinkuni
9		=	<u> </u> iinkuni
10		=	<u> </u> iinkuni

10		=	<u> </u> iinkuni
20		=	<u> </u> iinkuni
30		=	<u> </u> iinkuni
40		=	<u> </u> iinkuni
50		=	<u> </u> iinkuni
60		=	<u> </u> iinkuni
70		=	<u> </u> iinkuni
80		=	<u> </u> iinkuni
90		=	<u> </u> iinkuni
100		=	<u> </u> iinkuni



Imigca yeenkuni.

Kukho iinyanda zeenkuni ezilishumi emgce ni =
iinkuni ezili-100



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

$$10 \times 10 = 100$$

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

$$20 \times 10 = _____$$

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

$$40 \times 10 = _____$$

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

$$100 \times 10 = _____$$



Zingaphi iinyanda?

Iinkuni ezi-700 zenza iinyanda ezi- _____.



Iinkuni ezi-900 zenza iinyanda ezi- _____.

Iinkuni ezi-1 000 zenza iinyanda ezi- _____.



II2

Sondeza kwelona 10 lisondeleyo

Umhla:

Ikota 4

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



Khumbula ukuba kufuneka ujunge imivo xa usondeza kwelona shumi likufuphi.

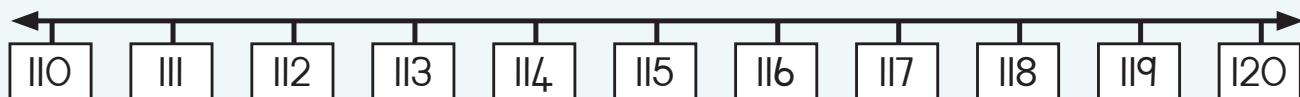


Sondeza kwelona shumi likufuphi.



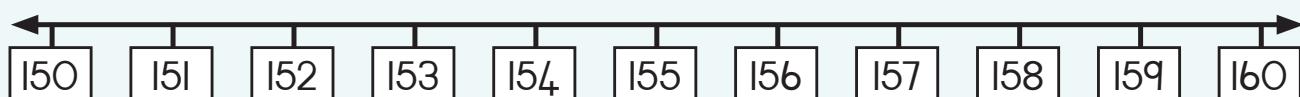
i-II4 elisondeziweyo li- _____

i-II7 elisondeziweyo li- _____



i-I59 elisondeziweyo li- _____

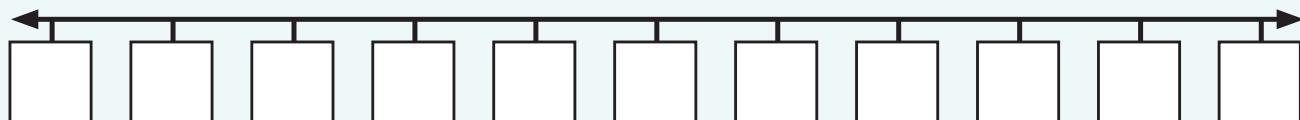
i-I51 elisondeziweyo li- _____



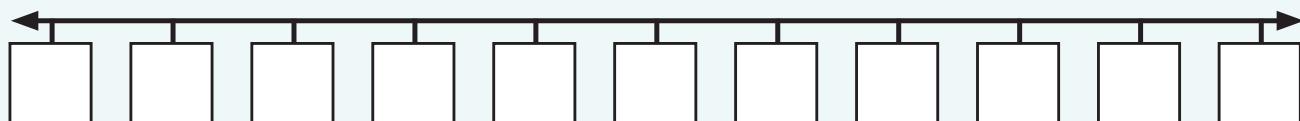
Sondeza kwelona shumi (10) likufuphi.

Zenzele umgca-manani wakho.

I95



945



100

1 2 3 4 5 6 7 8 9 10

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-RIO ezingamaphepha ezingaphi?

UMbalu nabahlabo bakhe abasi-8 bayu kumbhiyozo wosuku lolonwabo esikolweni. Olu suku lolonwabo luhlawulelwa ii-R4 ngumntu ngamnye. UMbalu ebezicenele imali waze waxelela abahlabo bakhe ukuba uza kubabhatalela. Waya kwi-ATM ukuya kukhupha imali.

I-ATM ikhupha imali engamaphepha kuphela?

Kufuneka abe nee-RIO ezingamaphepha ezingaphi?



II3

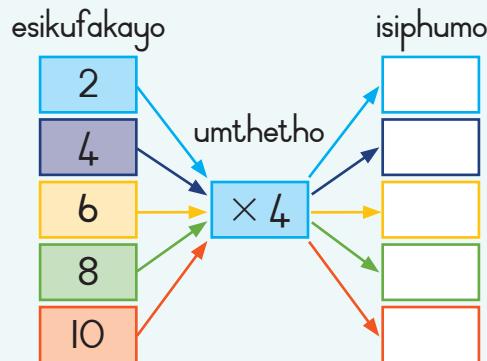
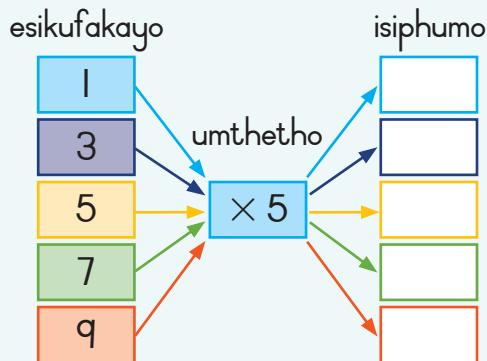
Ukuphinda-phinda nokwahlula: izihlanu ukuya kwi-100

Umhla:

Ikota 4



Gqibezela izazobe zesigcawu.



Gqibezela itheyibhile engasezantsi:

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



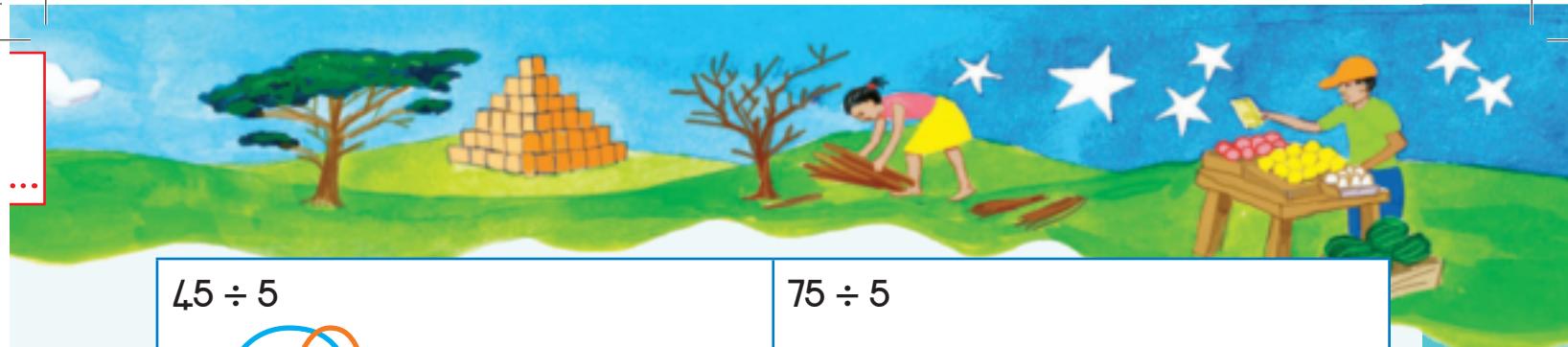
Bala:

$$\begin{aligned} 12 \times 5 \\ = (10 + 2) \times 5 \\ = 50 + 10 \\ = 60 \end{aligned}$$

$$11 \times 5$$

$$\begin{aligned} 13 \times 5 \\ = (10 + 3) \times 5 \\ = 50 + 15 \\ = 50 + 10 + 5 \\ = 65 \end{aligned}$$

$$13 \times 5$$



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

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

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

$$= 8 + 1 \text{ int s } 3$$

$$= 9 \text{ int s } 3$$

$$13 \div 5$$



Bala ezi zibalo:

Igadi yemifuno inemiqolo eli-14 yezityalo.

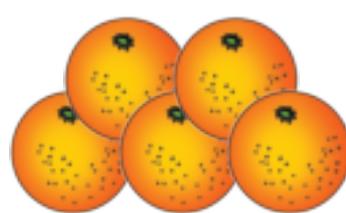
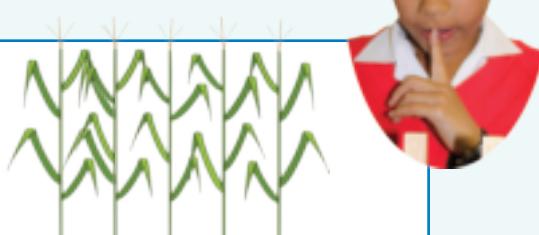
Umqolo ngamnye unenani elilinganayo lezityalo.

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

UDavid uthengisa iingxowa ezineorenji ezintlanu inye.

Uneeorenji ezingama-85.

Zingaphi iingxowa anokuzizalisa?



Teacher:
Sign:
Date:

Lipatheni zamanani: izihlanu ukuya kwi-1 000

Ikota 4

Masibale ngezihlanu ukusuka kuma-805 ukuya kuma-900.

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



Asibonisa eyiphi ipatheni amanani abiyelweyo?

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



Bala.

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



Ibhodi yamanani ukusuka kuma-901 ukuya kwi-1 000.

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



Fakela amanani angekhoyo.

Yintoni umahluko phakathi kwamanani aluhlaza namsobo akumgca omnye?



Gqibezela iipatheni.

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

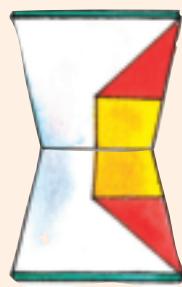


115



Ikota 4

Okunye ngolingo macala

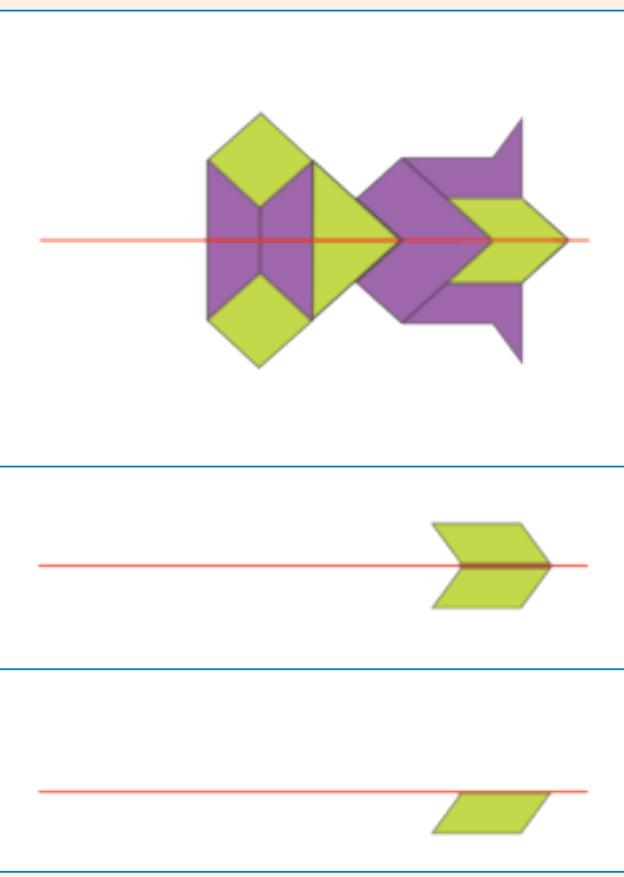


Isipili, isipili.

Dlala nomhlolo ngokusebenzisa enye yeeseti zephazli zeethayili (enamaqhekeza ali-1/4) ethathwe kumsiko |0.

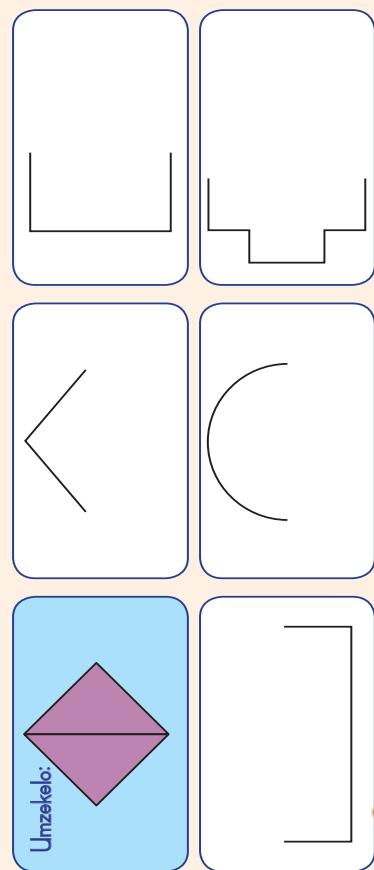
Umdlali ngamnye unesiqingathha samaqhekeza (amaqhekeza asi-7) eemilo zephazli ezithayili. Makungabikho maqhekeza angoomatwatotse.

Kwewela umga ehafini yephepha. Oku kungaba "ngumgca wesithunzi". Umdlali wokuqala ubeka elinye lamaqhekeza akhe eedleni komgca. Umdlali wesibini ngoku ubekaisit hunzi solo kwelinje icala lomgca. Kufuneka lichukumise umga okanye enye imilo ese yibekiwe. Qhuba ade onke amaqhekeza asefjenziswe.

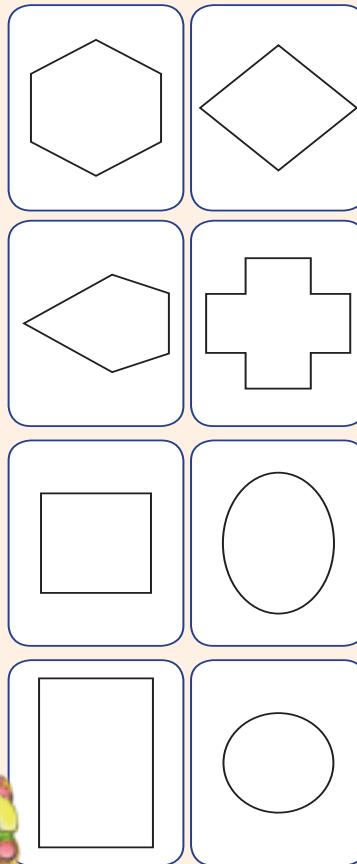


Zoba elinye icala lemilo.

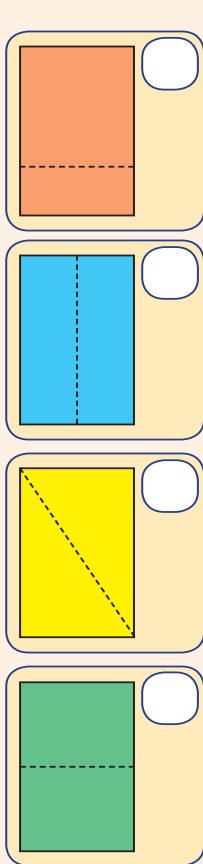
Ngoku bonisa umgca ofanananc.



Kwewela imigca kamatwatotse kwezi milo zilandelayo:



Phawula (✓) iimilo ezinemigca echanekileyo kamatwatotse.



11 12 13 14 15 16 17 18 19 20

116

Iktota 4

Masibate 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

a. Bhala u-(X) eceleni kwenani elinguminqakathi ne-(✓) eceleni kwenani elingunombini.

b. Phendula uthi ngunombini okanye nguminqakathi.

Dibanisa amanani amabini ajiminqakathi. Ufumana inani eli

Dibanisa amanani amabini argoonombini. Ufumana inani eli

Dibanisa amanani amathathu ajiminqakathi. Ufumana inani eli

Iipatheni zamani: izibini ukuya kuma-900

Umlilo:

Iminqakathi noonombini.

a. Bhala u-(X) eceleni kwenani elinguminqakathi ne-(✓) eceleni kwenani elingunombini.

b. Phendula uthi ngunombini okanye nguminqakathi.

Dibanisa amanani amabini ajiminqakathi. Ufumana inani eli

Dibanisa amanani amabini argoonombini. Ufumana inani eli

Dibanisa amanani amathathu ajiminqakathi. Ufumana inani eli

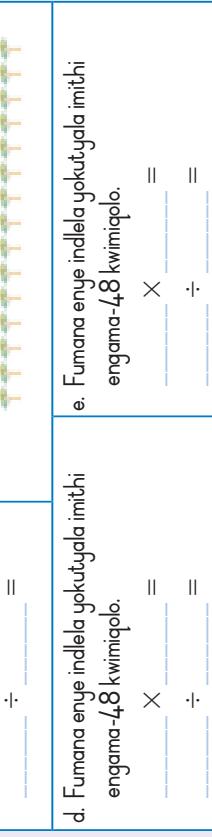
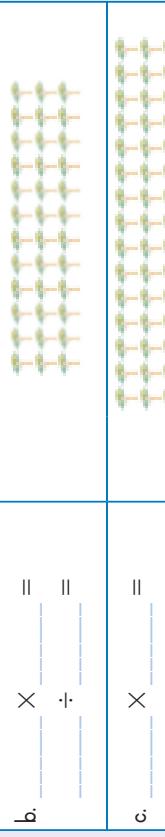


Ukutulyala imithi.

Le yenye indlela yokutulyala imithi engama-48 kwimiqolo elingananayo.



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



d. Fumana enye indlela yokutulyala imithi engama-48 kwimiqolo.

$$\begin{array}{r} \times \\ \hline \end{array} \quad \begin{array}{r} \div \\ \hline \end{array} =$$

e. Fumana enye indlela yokutulyala imithi engama-48 kwimiqolo.

$$\begin{array}{r} \times \\ \hline \end{array} \quad \begin{array}{r} \div \\ \hline \end{array} =$$

Asibonisa eyiphi ipatheni amanani abiyeleweyo?

Anezangqa **ezizobca:** Ukubala nge _____

Bhala ipatheni: Ukubala nge _____

Akwilkholumu **eziluhaza:** Ukubala nge _____

Bhado ipatheni: Ukubala nge _____



Bala.

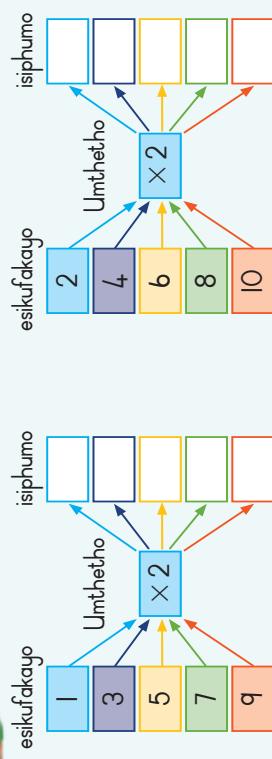
- a. $872 + 2 + 2 + 2 =$ b. $820 - 2 - 2 - 2 =$ c. $844 + 2 + 2 =$
 d. $832 - 2 - 2 - 2 =$ e. $883 + 2 =$ f. $842 - 2 - 2 =$
 g. $801 + 2 + 2 + 2 =$ h. $815 - 2 =$ i. $846 - 2 - 2 - 2 =$

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

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

Ukuphindā-phindā nokwahlu:z izibini ukuya kwi-100

Gqibezela izazobe zesigcawu.



Gqibezela itheylbile engasezantsi:

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



Bal:

$$11 \times 2$$

$$12 \times 2 \\ = (10 + 2) \times 2 \\ = 20 + 4 \\ = 24$$

$$22 \times 2$$

$$18 \times 2 \\ = (10 + 8) \times 2 \\ = 20 + 16 \\ = 36$$

Bala ezi zibalo:

Istitya semifuno sinemiqolo ngama-32 yezityalo.

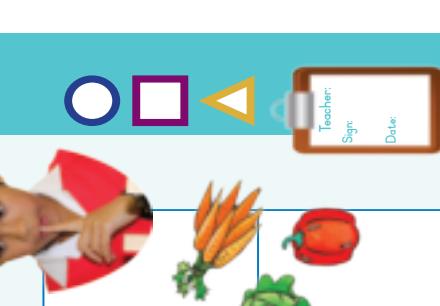
Umqolo ngamnye unezityalo ezi-2.

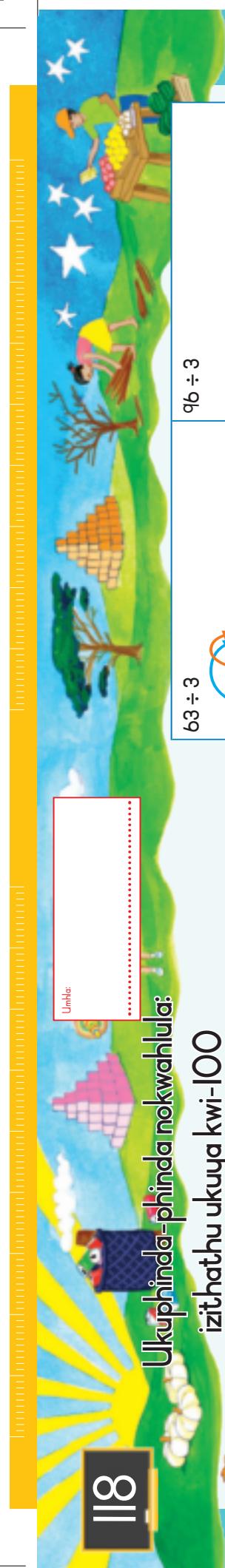
Zingaphi izityalo ezisesisituyeni?

Istitya semifuno sinemiqolo ngama-40 yezityalo.

Umqolo ngamnye unenani ellingga nayo lezityalo.

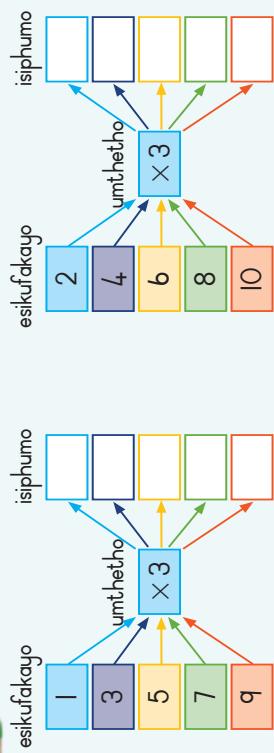
Ulkuba kukho izityalo ezingama-80, zingaphi izityalo ezikumqolo ngamnye?





**Ukuphinda-phinda nokwahluči
izithathu ukuya kwi-100**

Gqibezela izazobe zesiqawu.



Gqibezela ithejibhile engasezantsi:



$$96 \div 3$$

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

$$= 20 + 1$$

$$= 21$$

$$98 \div 3$$

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

卷之三

Bala ezi zibalo:

U Mandisa uneelkese ezingama-30.

Eli nani liziphinda kalisumi anazo uJabu.

Zingarini illescese anno 11. Tgbi?

卷之三

卷之三

ପ୍ରକାଶକ ପରିଷଦ

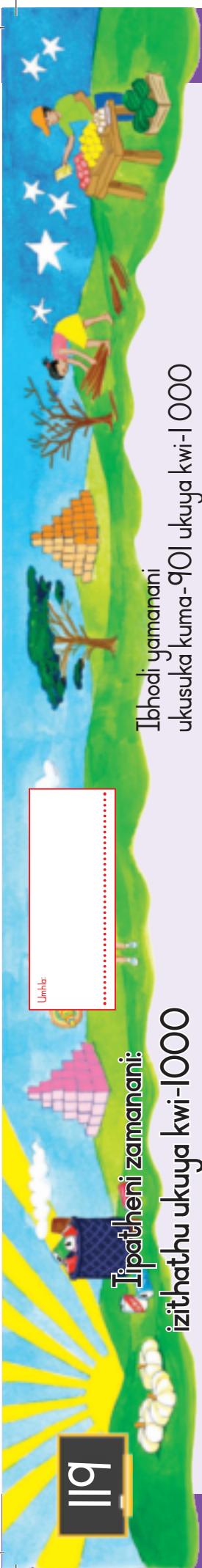
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3
2

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二十二
二十三
二十四
二十五
二十六
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一百零十八
一百零十九
一百零二十

113



Xhosa Gr3 Num Gr3 Bk2 Th4.indd 109



Tipatheni zamana ni:
izithathu ukuya kwi-1000

Masibale ngezithathu ukusuka kuma-803 ukuya kuma-899.

Lkota 4

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 anezangqqa asibonisa eyphi ipatheni?



Anezangqa eziorenji:

Bhalai ipatheni:

Bhala ipatheni:
Anezangqa eziuhaza:

1

Bala.

a. $873 + 3 + 3 + 3 =$
d. $837 - 3 - 3 - 3 - 3 =$

$$\text{g. } 802 + 3 + 3 + 2 =$$

2

Ibhodi yamanani
ukusuka kuma-qO! ukuya kwil 1000

Fakela amanani angekhoyo.
Fakela umbala oluhlaza kwiloboko zamanani ashiyweyo. Fakela umbala obomu kwiloboko ezimhlophe ezinamanani. Yeyiphi ipatheni oujbonaço?

Gqibezela iipathen

a. Dibanisa izithathu ezi-4 kuma-981. q84. 987, 990, 993

- b. Dibaniisa izithathu ezi-5 kuma-973.
- c. Thabatha izithathu ezi-4 kuma-975.
- d. Thabatha izithathu ezi-3 kuma-947.
- e. Dibaniisa izithathu ezi-2 kuma-932.

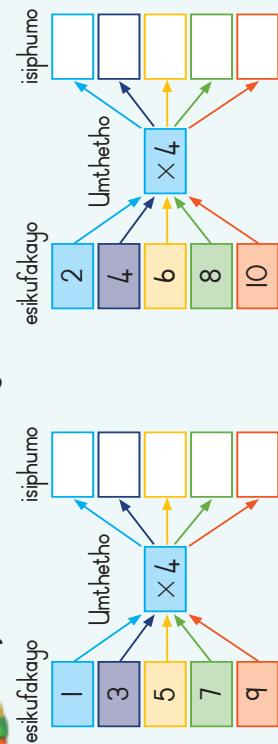
10
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6
5
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3
2

120

Ukuphindā-phindā nokwahlu:

izine ukuya kwi-100

Gqibezela izazobe zesigcawu.



Gqibezela ithejibhile engasezantsi:

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

$$120 \div 6 = (10 + 8) \div 4$$

$$= (10 \div 4) + (8 \div 4)$$

$$= 10 + 2$$

$$= 12$$

$$120 \div 4 = 10 \div 4 + 8 \div 4$$

$$= (10 \div 4) + (8 \div 4)$$

$$= 10 + 2$$

$$= 12$$

$$120 \div 4 = (10 + 5) \div 4$$

$$= (10 \div 4) + (5 \div 4)$$

$$= 10 + 1$$

$$= 11$$

$$120 \div 4 = 10 \div 4 + 8 \div 4$$

$$= (10 \div 4) + (8 \div 4)$$

$$= 10 + 2$$

$$= 12$$



116



Bala ezi zibalo:

UJ Tony unelelkesi ezingama-36.

Utya illekese ezi 14 ngemini.

Uza kufuya illekese iintsku ezingaphi?

UDavid uthengisa ipakethé ezineorenji ezine inye.

Uheoreni ezingama-88.

Angazalisa ipakethé ezingaphi?



116

12×4

11×4

15×4

13×4

14×4

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15×4

121

Ipatheni zamani

izine ukuya kwi-l 000

Masibale ngezine ukusuka kuma-804 ukuya kuma-900.

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

Amanani anezangqa asibonisa eziphi ipatheni?



Anezangqa eziluhazo: _____

Bhalo ipatheni:

Anezangqa ezimsebo: _____

Bhalo ipatheni:

Kota 4

Ibhodi yamanani
ukususa kuma-901 ukuya kwi-l 000

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

Fakela amanani angekhoyo.

Fakela umbala oluhlaza kwibhloko zamanani angekhoyo. Fakela umbala obomvu kwibhloko ezimhlophe ezinamnanani. Ubona eyphi ipatheni?



Gqibezela ipatheni.

a. Dibanisa izine ezi-4 kuma-980.

b. Dibanisa izine ezi-5 kuma-971.

c. Thabothaizine ezi-4 kuma-963.

d. Thabothaizine ezi-3 kuma-927

e. Dibanisa izine ezi-2 kuma-938.

11 12 13 14 15 16 17 18 19 20



Teacher:
Sgn:
Date:

122

Iktota 4

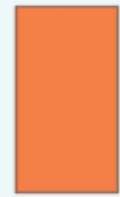
Isicingatsha esinye, nokuba sisikwe njani.

Tinxalenyę ezilinganayo zento ephelęyo

Sika iingxande kwphepha
elinemibala (kuMiski!).

Funia indlela ezahlukileyo zakwenza isiqingatha esinye.

1. Songa uxande olulphepha ehafini ngokobude balo. Liske ehafini kule ndawo lisongwe kulo. Tinxalenyę nganye yephepha ilingana nenu. Tinxalenyę nganye sisiqingatsha ($\frac{1}{2}$) soxande lwakuqala.



2. Songa elinye iphepha ehafini ngokuxwesleyo. Liske ehafini kule ndawo lisongwe kulo. Tinxalenyę nganye ilingana nenu. Tinxalenyę nganye sisiqingatsha sephapha lokaqala.

3. Yeqiphi enye indlela yokwahlula iphepha libe ziinhalenyę ezimbini ezilinganayo? Sebenzisa isikere nephepha uzame oku, uze uzobe emgenci osonge kuwo waza wasika.



Ezinye iinxalenyę ezilinganayo zento ephelęyo

Xa sisahlula into libe ziinhalenyę ezi-2 ezilinganayo, ezo

ihafu.

Xa sisahlula into libe ziinhalenyę ezintathu ezilinganayo, ezo

zizithathu.

Xa sisahlula into libe ziinhalenyę ezine ezilinganayo, ezo

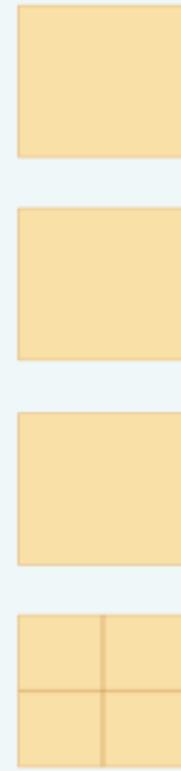
*zizithathu.**zizithathu.*

Amaqebeengwane esonka esidlo sasemini.

UThabo nabahlabo bakhé benzizonka ezinzini zesidlo sasemini.

Baziska zibe zizine okanye ikota.

Oku kuthetha ukuba baziska zibe ngamqhekeza amane dinganayo.
Nantsi enye indlela. Bonisa ezinye indlela ezi-3 ongakwenza ngazo oku.

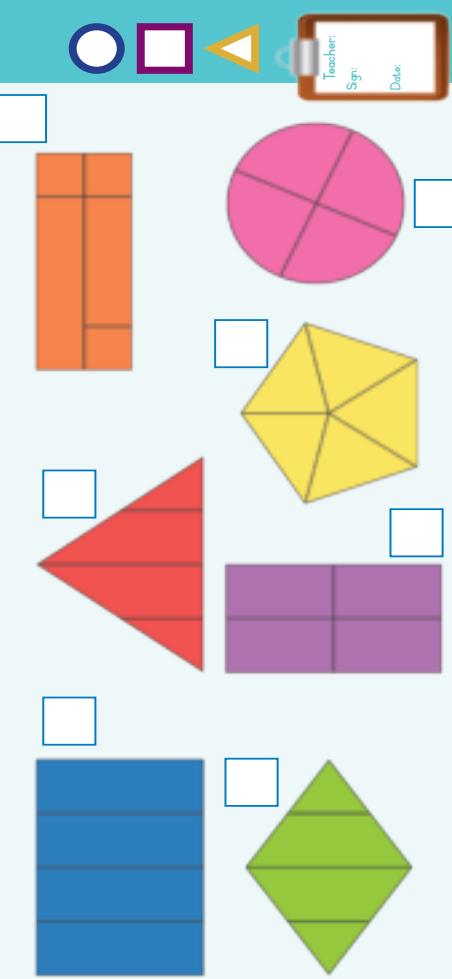


Qwalasel!
Theleksai!
Lungisa!



Ukwahlula ibe zizine.

Xa sisika into ibe zikota ($\frac{1}{4}$), siyahlula ibe ziinhalenyę ezine ezilinganayo.
Phawula (✓) imfanekiso engezantsi ebonisa ikota okanye izine.

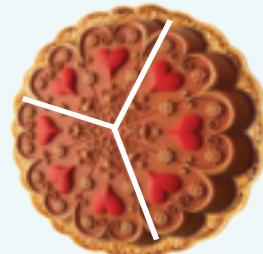


1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

121

Izibalo zamaqhezu

Xoxa ngamaqhezu nabahlubo bakhoo,



Sombulula ngokunkika iimpendulo zale mibuzzo
rangokuzoba imifanekiso.



a. Umqueqeshi webhola yomnyazi unika umdli isiqingatha seorenji. Kukho abadli abali-14.

Zingaphi liorenji ezifunekayo?

Uthini umbuzzo?

c. Kwithiko lasesikolweni bebet'hengisa iikuyki ezisikwe zangamaqhekeza amathathu inye.

Kuthengiswe iqhezu kubantu abangama-24.

Zingaphi iikuyki ezithengisiweyo?

Ngawaphi amanani okanye amaqhezu akwesi sibalo?

Leliphi igama eliphambili?

Zoba umfanekiso.

Igama eliphambili igama
eliza kundalceda ekukhet'heni
isibulo sisichanelekojo.



Ithini impendulo?

Ithini impendulo?

1 2 3 4 5 6 7 8 q 10

11 12 13 14 15 16 17 18 19 20

122 2014/07/02 2:09 PM



Ithini impendulo?



Ithini impendulo?

123

124

Iktota 4

Izinto ezinemilinganiselo engu-3-D

Jonga imifanekiso.

Lefipi iqeta ellonisa libhola, iislinda neebhokisi.



Umla:

Izinto ezinemilinganiselo engu-3-D

Ethe tse negobileyo.
Ezinye izinto eziqinileyo zinemiphezulu emcaba. Ezinye zinemiphezulu egobileyo.

Islinda ineeembuso ezimbini ezimcabisa nobuso obunye obugobileyo.	Ikhowni inobuso obunye obumcabisa nobunye obugobileyo.	Isangqa sigobe macala onke.



Iyaqengqeleka

Cingangengdella enokuqengqeleka ngayo iislinda, ikhowuni okanye isangqa.

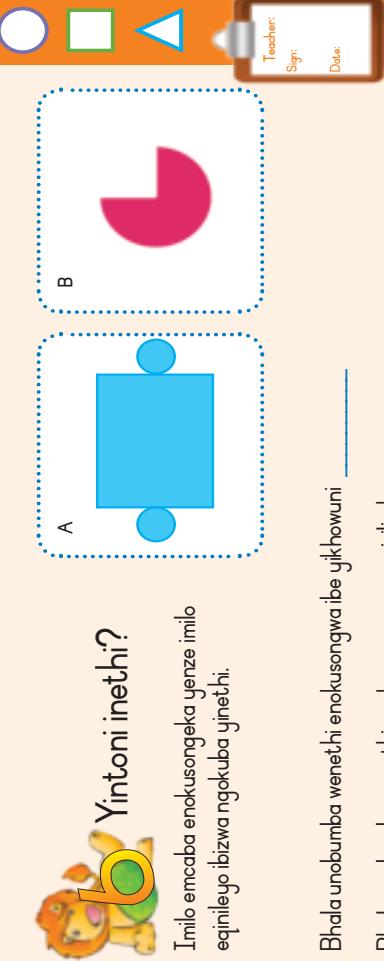
Khangela imifanekiso emibini yento nganyu uze
ujincamathelese ngezantsi.



- Engenakuqengqelekela kude?
- Enokuqengqeleka emgenci othe tye?
- Enokuqengqelekela naktweliphi icala?

Krwela umgca kwimpendulo echanelekileyo.

- Itumato imile **okwebhola/bhokisi/silinda**.
- Igilasi yokusela imile **okwebhola/bhokisi/silinda**.
- Inowadi imile **okwebhola/bhokisi/silinda**.



- Bhala unobumba wenethi enokusongwa ibe yikhowuni _____
- Bhala unobumba wenethi enokusongwa yenze iislinda _____
- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20**

Xela amaqhezu.

Bhala iqhezu lomfanekiso ongasezantsi.

a. Umhala obomvu uleliphi iqhezu? _____	b. Umhala oluhlaza uleliphi iqhezu? _____
c. Umhala ozuba uleliphi iqhezu? _____	d. Umhala omthobi uleliphi iqhezu? _____



Phendula imibuzo.

- a. USizwe unamadhekeza amane eishokolethi. Unika umhlobwo wakhe iqhekeza elinye.

Liqhezu lini iethokolethi elishiyekileyo? _____

- b. UYasmin uneereni ejimbini. Wabelana no Ann ngeorenji enye.

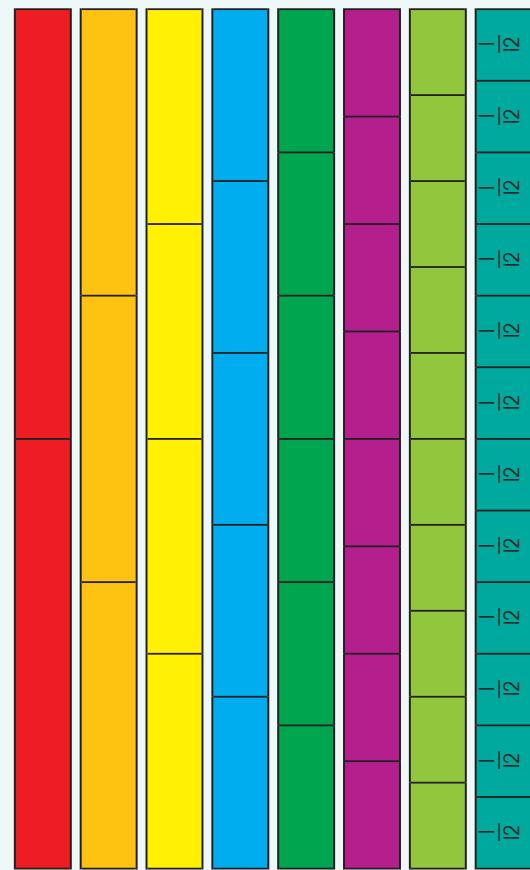
Liphi iqhezu analo elishiyekileyo? _____

- c. UMaria uthenga iitshokolethi ezi-5. Uzigcinela e-, anike ul Mohamed ezi-2 ummakkabo ezi-2.

Liqhezu lini azigcinele lona u Maria? _____

Amanye amaqhezu

Udonga lwamaqhezu



Umga ngamnye wahluwe wazintlu ezilinganayo. Umga ongasezantsi wahluluwe wazintxenye zeshuni elinambini ($\frac{1}{12}$).

Phawula eminye imigca ngeqhezu elichanekileyo.

Sebenzisa inula yakhlo okanye isiphele sephapha esthe tuyekuze ufumane ukuba ngawaphi na amaqhezu alinganayo; nokuze ikuncede ekuphendulenimibuzo.

Kolu donga lwamaqhezu, khangela zonke iindla ea Zahlukenejo ongenza ngazo oku:

a. isiqingathha $\frac{1}{2}$	_____
b. into enye epheloleyo	_____
c. ilkota ezintathu $\frac{3}{4}$	_____

Qwadela! Theleksa! Lungisa!

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

126

Iktota 4

Okunye ukuqukanisa nokwabelana



Khangela amakhonko.



Umlilo:

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



Yaba okushiyekileyo

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



Bangahluelana ngезikwere ezili-12 ezipheleleyo, emnye fumane amaqhekeza amathandathu. Iqhekeza elishiyekileyo balahlula elahafi ni, ngoko ke emnye unamaqhekeza ama-6 1/2.



Emnye fumana imicu e _____.

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



Emnye fumana imicu e _____.

d. Yahluelala abantwaba aba-10 imicu engama-73.

11 12 13 14 15 16 17 18 19 20

Amaqhezu ethengremu



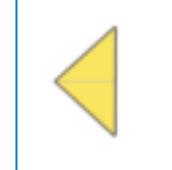
Ithengremu yphazile yama Tsayina yakudala eugenziwe zimilo ezi-7 ezimcaba ezibizwa ngokuba zitheni, ezithi xo ziditjanisive zenze imilo exahlukeneyo.

Amaqhezu akwithengremu

Jongi iphazile yethengremu. Unxantathu ngamnye omkhulu kwaba babini ulelphi iqhezu lesikwere esipheleleyo? (Upinki kulo mfaneleko)



Ukuba usonga unxantathu omnye kwaba bakhulu abe zinxalenyu ezimbini ezilinganayo, isiqwenga ngasinye silingana nonxantathu ophakathi (umthubi emfanekisweni). Unxantathu ophakathi ulelphi iqhezu lesikwere?



Ukuba usonga unxantathu ophakathi abe zinxalenyu ezimbini ezilinganayo, inxalenyu nganyu ilingana noonxantathu ababini abancinci. (baluhlaza emfanekisweni) Unxantathu ngamnye omncinci ulelphi iqhezu lesikwere esipheleleyo?

Ungadibarisa oonxantathu ababini abancinci ukwenza islikwere esincinci. Islikwere esincinci siliphhi iqhezu lesikwere esipheleleyo (isizuba emfanekisweni)?

Ungadibarisa oonxantathu ababini abancinci wenze ipharaleogram. Ipharaleogram ieliphhi iqhezu lesikwere esipheleleyo?



Ukusebeniza it'hengremu.

Sika ithengremu ezimbini kumsito 12 uze uphawule iqhekeza ngalinye ngeqhezu lalo lesikwere esipheleleyo. (Ezi zimilo zethengremu ydukuqala.) Bhala igama lakkho ngemvalkweqhekeza ngalinye ukuze ufumane iqhekeza lakkho ukuphala komdlo.

Umdallo wamaqhezu wezabelo ezilinganayo.

Dala nababdlali abab-4 ukuyg kwaba-8 usebenzise amaqhezeza ethengremu.

1. Abadlali bayatshintshiselana ukubangumthengisi.
2. Umthengisi wenza isiqibo malunga neqhezu lethengremu eliza kufakwa ngumdlali ngamnye engxoweni.
3. Umdllai uyqashisela ukuba ukhazo lwemali luza kuvvelisa int'loko okanye umpsila, aze umthengisi gjule imali phezulu.
4. Umthengisi wabela abo baqashisela kakuhle okusengxoweni ngokullinganayo. (Kungafuneka at'hengjese iqhekeza elmye okanye ngaphezulu ukuze afumane amaqhekeza exabiso ellingsanayo)
5. Int'sale ekhoyo engenakwabiwa ihlala engxoweni ilindele umjikelo olndelayo.
6. Bonke abadlali bayaqawolasela ukuze babone ukuba ngaba kwabiwa ngenddela efanelekileyo na.
7. Ukuba umdallo ufumana impazamo, umthengisi ubhatda isohlwayo se-1/8 sesikwre esipheleleyo kumdlali othe wayiqaphela kuqala loo mpazamo.
8. Umdllai ongenawo amaqhekeza angathatha kwaseleyo engxoweni.
9. Umdallo uyqashubeka bade bonke abadlalibabe ngabathengisi.



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



Emdlalweni

Ngeshesha lekhefu umdalli ngamnye uselai- $\frac{1}{4}$ yelitha yejusi.

a. Bangaphi abadlli abanokwabelana?

$$\text{ngelitha e-1} \quad \text{ngelitha ezi-4} \quad \text{ngelitha ezi-2\frac{1}{2}}$$

b. Kufuneka babe nejusi engakanani?

$$\text{kubadlli abasi-8} \quad \text{kubadlli abasi-q} \quad \text{kubadlli abali-12}$$

Iilitha neemillitha (ml)

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

Yenza iisinqingathha selitha

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

20 ml	140 ml	160 ml	28 ml	240 ml

Ubisi lukulungele!



a. Yoba illitha ezi-4 zobisi phakathi:

- b. Kwabantwana abasi-8. Umntwana ngamnye ufumana illitha ezi-
- c. Kwabantwana abali-12. Umntwana ngamnye ufumana illitha ezi-

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

Linganisa uze ugaale



Ngeshesha lekhefu umdalli ngamnye uselai- $\frac{1}{4}$ yelitha yejusi.

a. Bangaphi abadlli abanokwabelana?

$$\text{ngelitha e-1} \quad \text{ngelitha ezi-4} \quad \text{ngelitha ezi-2\frac{1}{2}}$$

b. Kufuneka babe nejusi engakanani?

$$\text{kubadlli abasi-8} \quad \text{kubadlli abasi-q} \quad \text{kubadlli abali-12}$$



Ivenkile yejusi kaBongi

Kwijigje-1 uBongi usebenzisa $\frac{1}{4}$ yekomityu yejusi neekomityu yejusi ezi-2 zamanzo.

Bala ukuba uBongi usebenzisa ijusi namanzo angakanani kwiijugij ezi-5 zejusi.

Ujagi	1	2	3	4	5
Tikomityu zejusi	$\frac{1}{4}$				
Tikomityu zamanzo	2				



Yenza ilitha

50 ml	100 ml	200 ml	500 ml

Zizkhongazelo exingaphi kwiskhongozelo ngasinye ezenzalitha enye?

a. _____ $\times 100 \text{ ml}$	b. _____ $\times 200 \text{ ml}$	c. _____ $\times 250 \text{ ml}$
d. _____ $\times 500 \text{ ml}$	e. _____ $\times 50 \text{ ml}$	



Emva kwethheko.



Ubisi lukulungele!

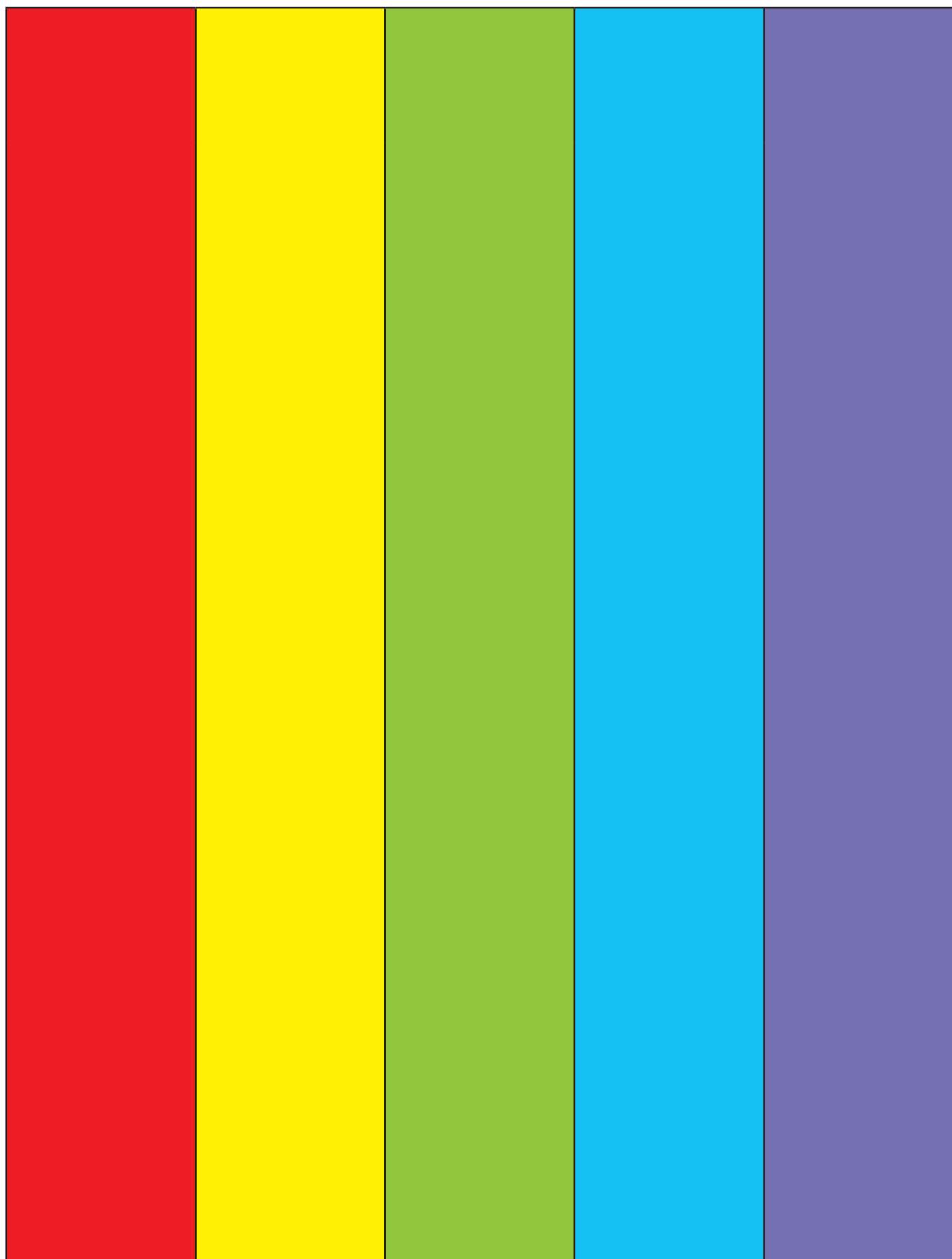


- a. Kwabantwana abasi-8. Umntwana ngamnye ufumana illitha ezi-
- b. Kwabantwana abali-16. Umntwana ngamnye ufumana illitha ezi-
- c. Kwabantwana abali-12. Umntwana ngamnye ufumana illitha ezi-

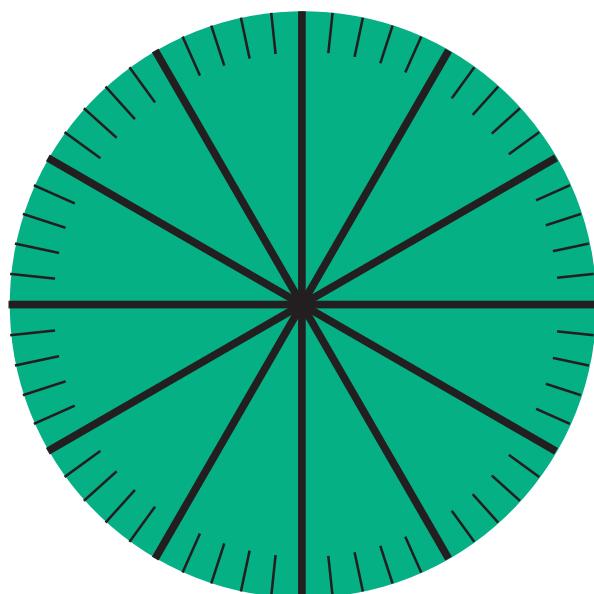
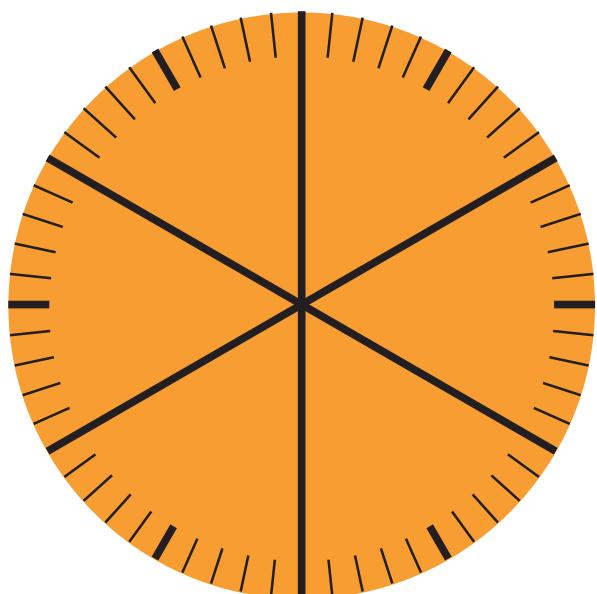
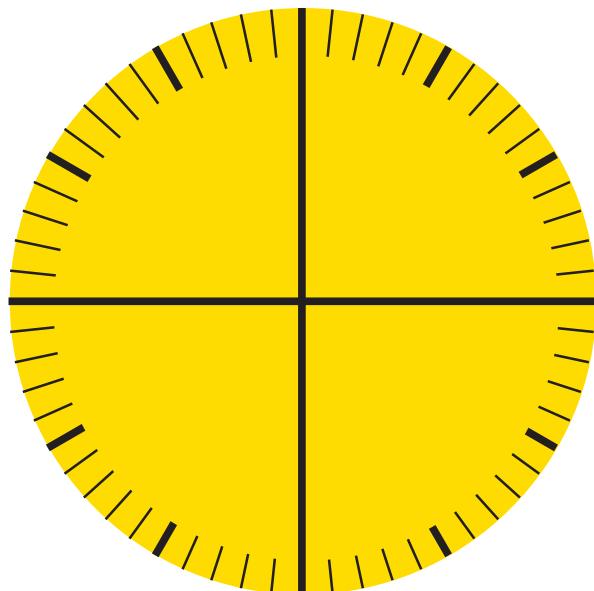
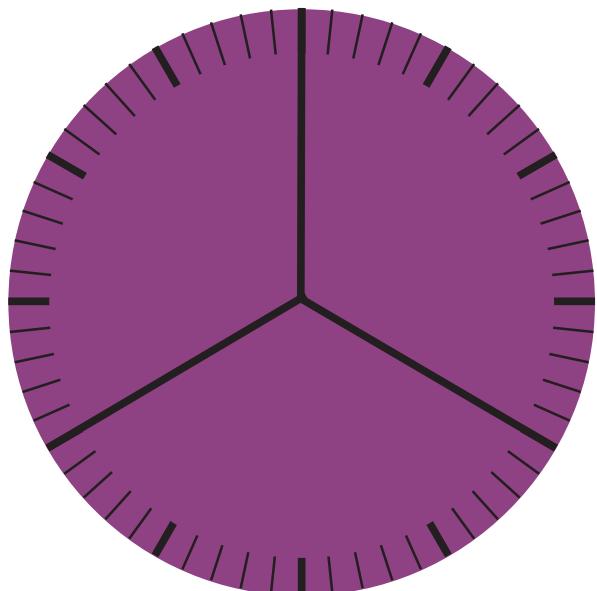
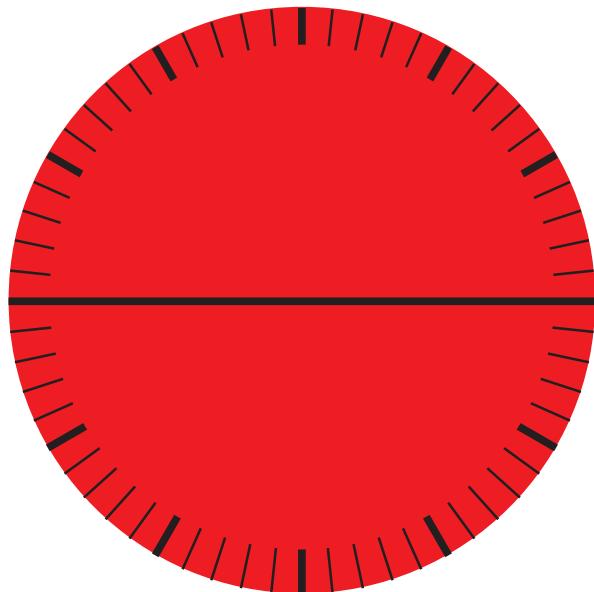
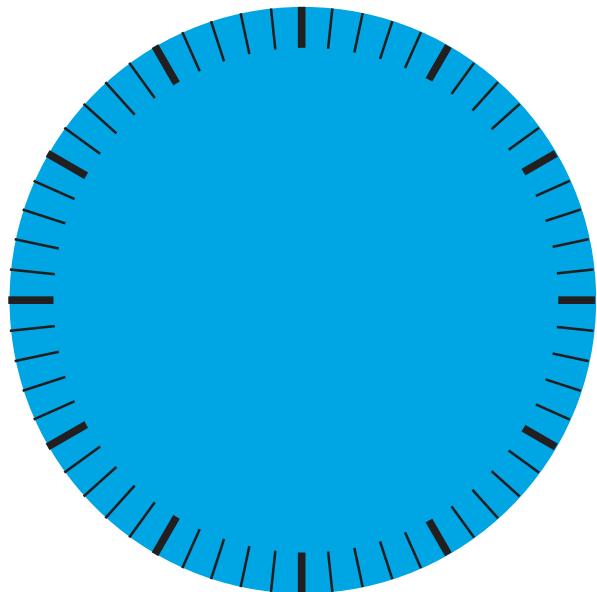
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

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

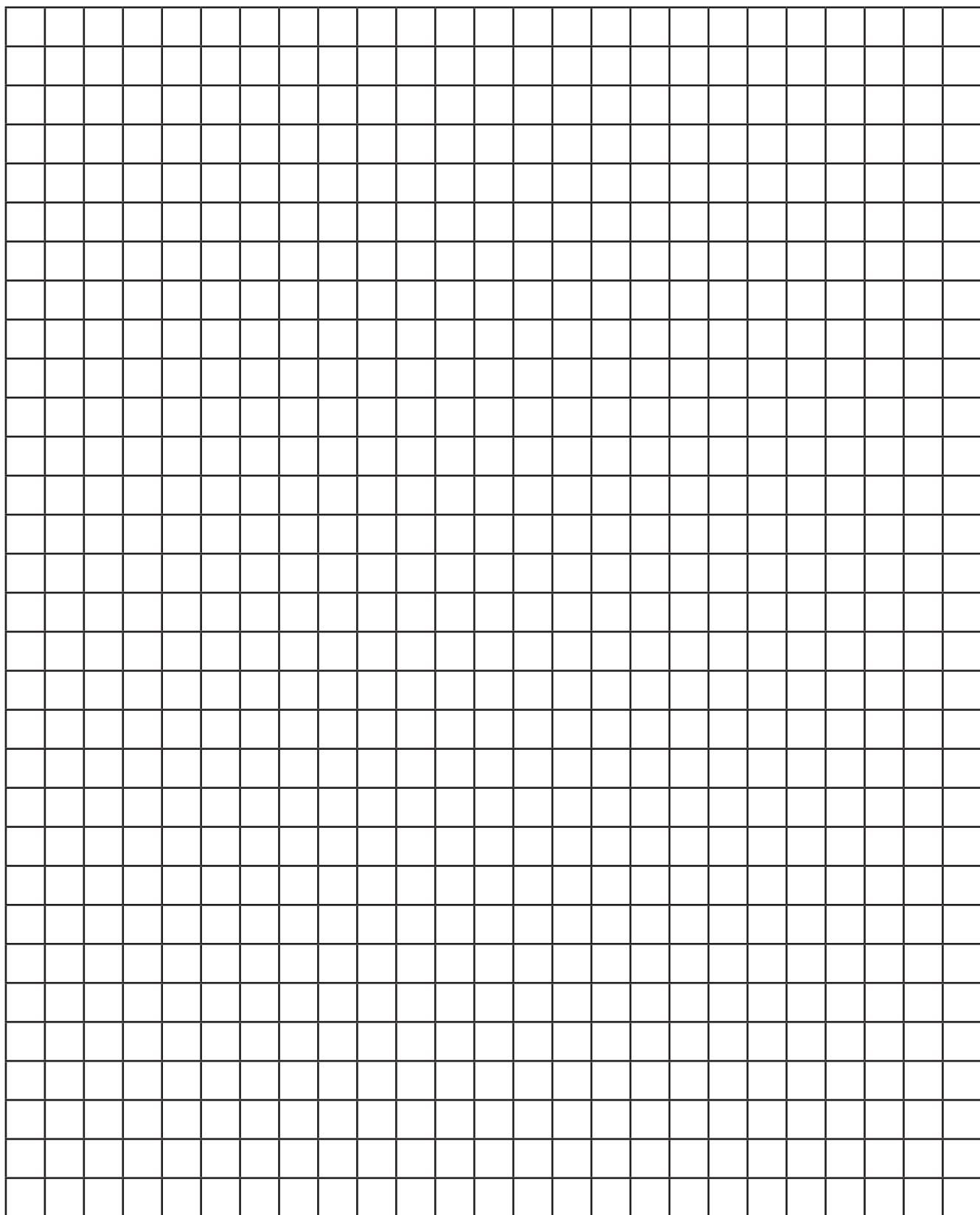
Umsiko 5



Umsiko 6



Umsiko 7

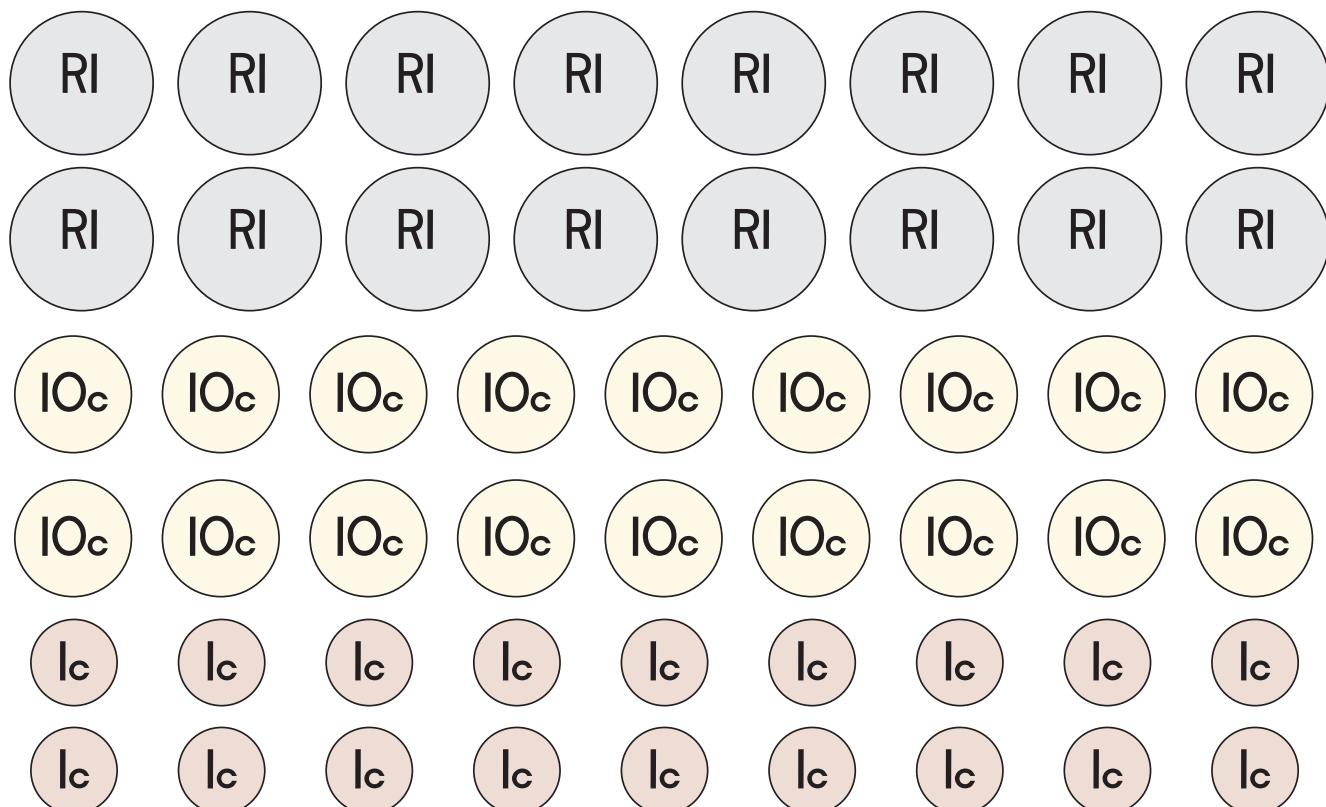


Umsiko 8

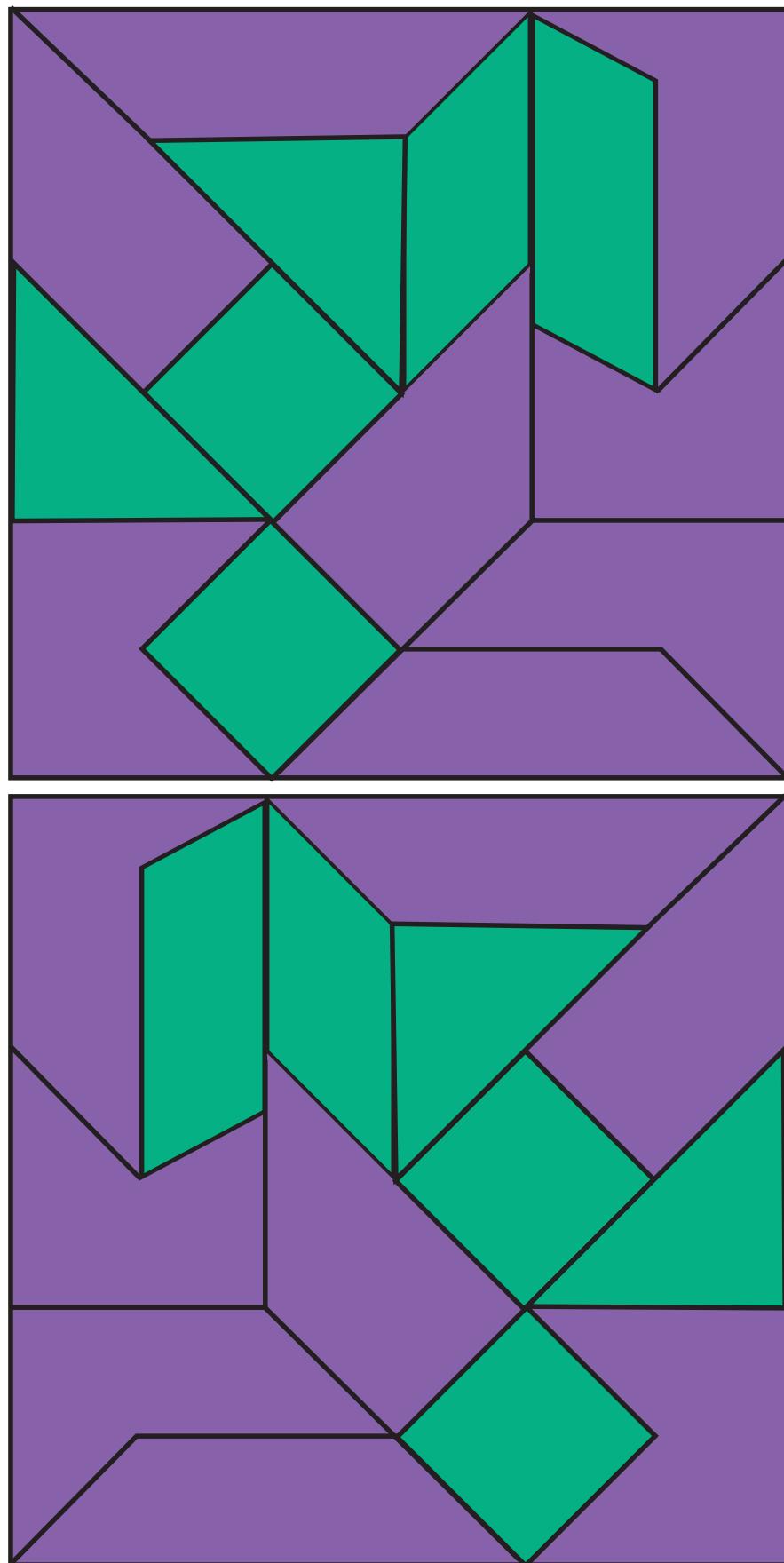
I_c	
IO_c	
$R s$	
RIO_s	
$RIOOs$	

Umsiko 9

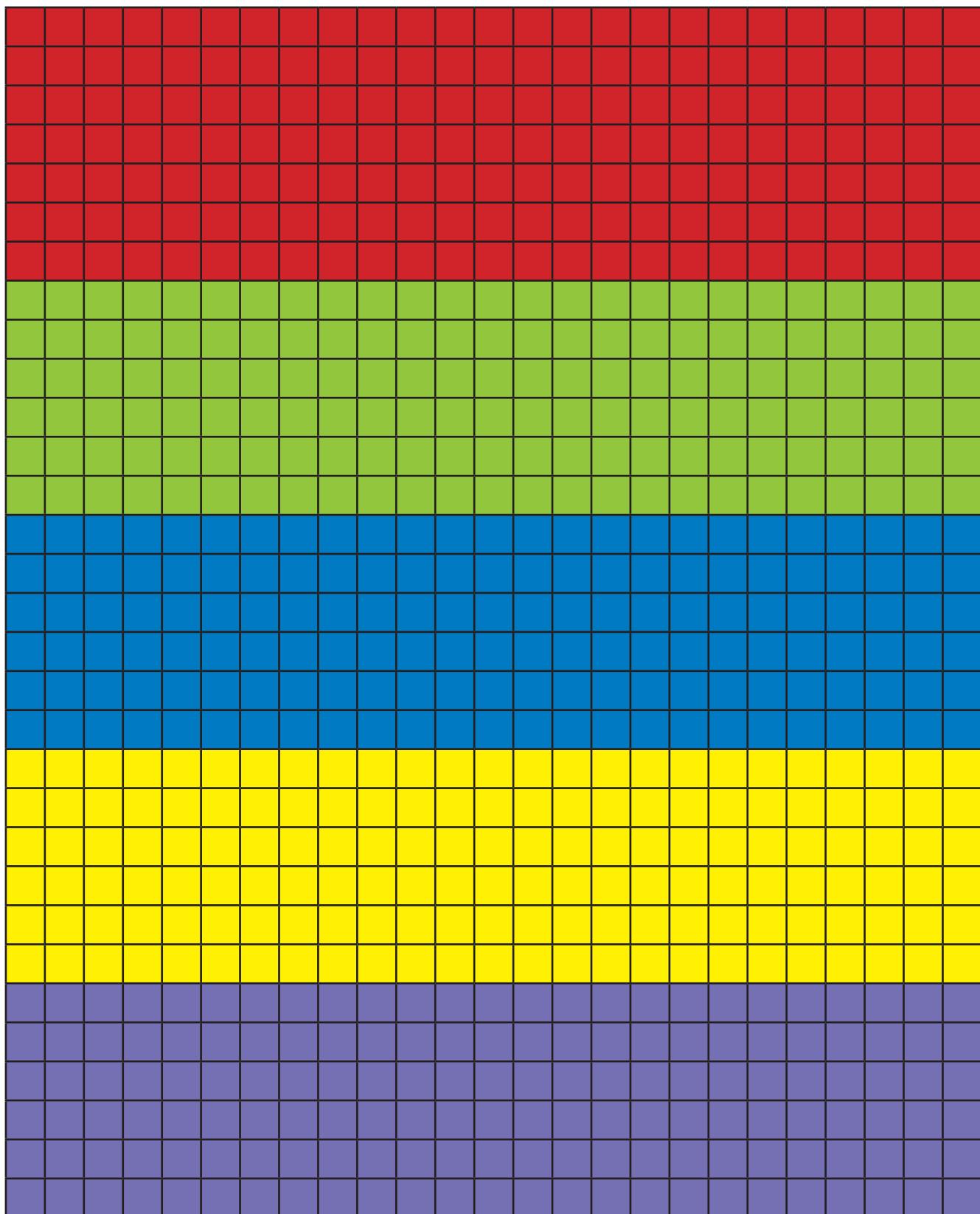
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO



Umsiko 10



Cut-out II



Cut-out I2

