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nguNqonqgotjhe
wezeFundo-Sisekelo



UNom. Enver Suryt,
nguSekela kaNqonqgotjhe
wezeFundo-Sisekelo

Iincwadi lezi zenzelwe abentwana beSewula Afrika ngaphasi koburholi bakaNqonqgotjhe wezeFundo-Sisekelo, uMma u-Angie Motshetka kanye neSekela lakaNqonqgotjhe wezeFundo-Sisekelo, uNom Enver Suryt.

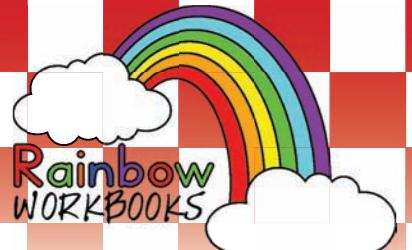
Iincwadi zokuSebenzela zakwaRainbow ziyingceny yeendlela ezinengi zomNyango wezeFundo-Sisekelo wokungenelela onqopho ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanye wamaHlelo womBuso aphuma phambili, iprojekthi le isekelwe ngeemali ezibuya esiKhwameni seeMali seLizwelo. Lokhu kusize umNyango ukukhupha iincwadi zokusebenzela lezi ngawo woke amalimi asemthethweni ngaphandle kweendleko. Siyathemba kobana nizokufunyana iincwadi zokusebenzela lezi zilisizo khulu ekufundiseni kwenu kwangamalanga kanye nokuqinisekisa kobana abafundi benu bayayiqeda ikharkhyulamu.

Sitjheje khudlwana ukuhlalla abotitjhore komunye nomunye umsebenzi ngokusebenzisa iinthombe ezitjengisako bona ngikuphi umfundu amelete akwenze.

Siyathemba kobana abentwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebafundu nje begodu wena titjhore uzokwabelana nabo ithabo lokufunda. Sinifisela ipumelelo ekusebenziseni iincwadi lezi.

ISBN 978-1-4315-0151-9

9 781431 501519



MATHEMATICS IN ISINDEBELE
GRADE 3 – BOOK 2
TERMS 3 & 4

ISBN 978-1-4315-0151-9

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NOT BE SOLD.



1 2 3 4

Published by the Department of Basic Education
222 Struben Street

Pretoria
South Africa

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Fifth edition 2015

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

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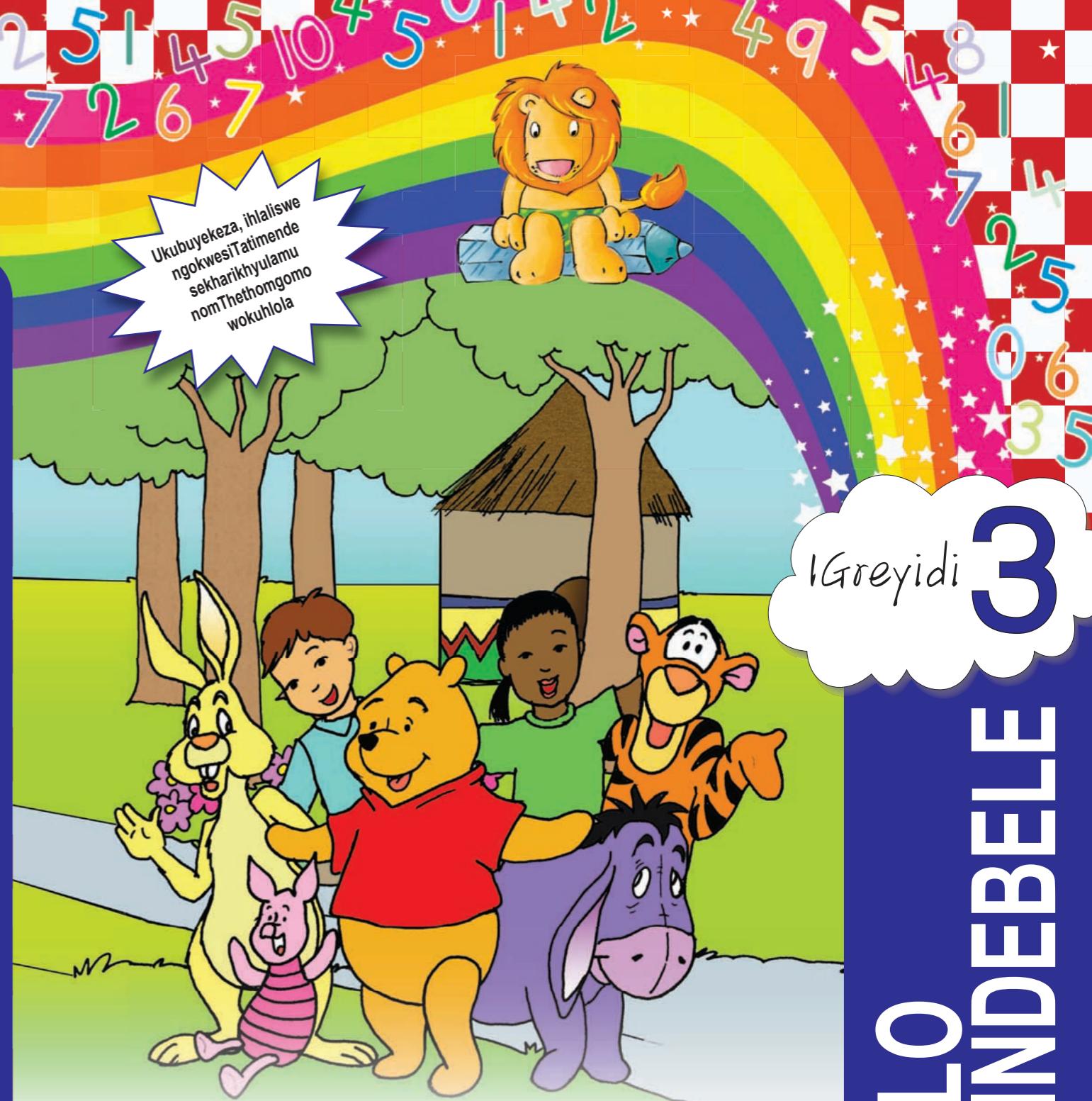
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IMBALO NGESINDEBELE – iGreyidi 3 Incwadi 2



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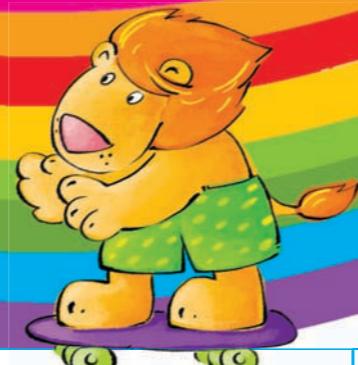


IMBALO
NGESINDEBELE

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Ithemu 3 & 4

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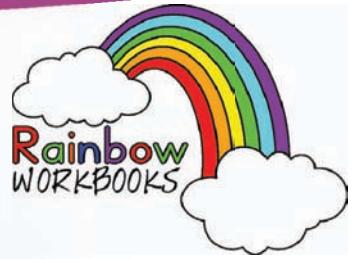


X Itheyibula lokubuyabuyeletla

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			3	6	9	12	15	18	21	24	27	30
			4	8	12	16	20	24	28	32	36	40
			5	10	15	20	25	30	35	40	45	50
			6	12	18	24	30	36	42	48	54	60
			7	14	21	28	35	42	49	56	63	70
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iGreyidi 3



i m b a l o

Incwadi le ngeyaka -:



Incwadi

2

ISINDEBELE

Iinomboro

ukusuka ku-500 ukufika ku-600

Ithemu 3



Bala bewutlole.

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

Phimisa iinomboro nawulokhu uzibala.



501			504					500
						518		510
	522							
				536				
541							549	
						558		
		573						
						588	590	
	592			595				600

b. Tlola iinomboro ezithayelako egridini engaphezulu.

c. Tlola iinomboro ezili-10 eziza ngemva kwaka-500.

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

d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangakubili.

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

e. Tlola zoke iinomboro ngephetheni yangakubili ukusuka ku-548 ukufika ku-570.

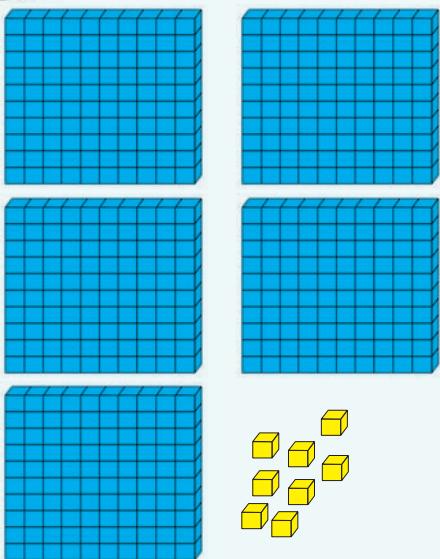
548; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 570

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

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



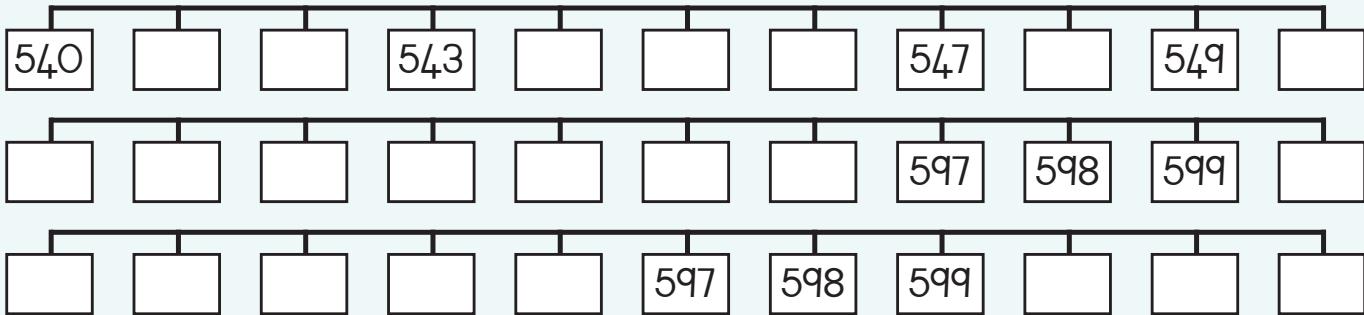
Ubale amabhloqo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.



Qedeleta itheyibula.

Tlola ukusuka kencani
khulu ukuya kekulu khulu

Tlola ukusuka kencani
khulu ukuya kekulu khulu

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



Tlola ngamagama.

520



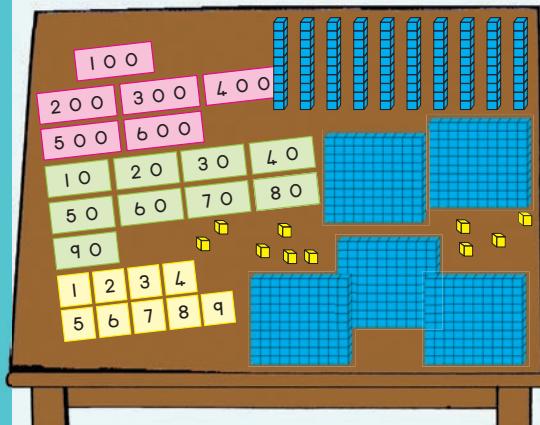
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Ilanga:



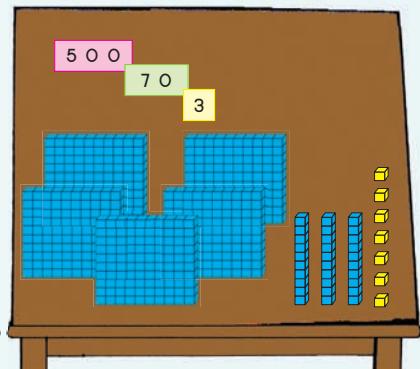
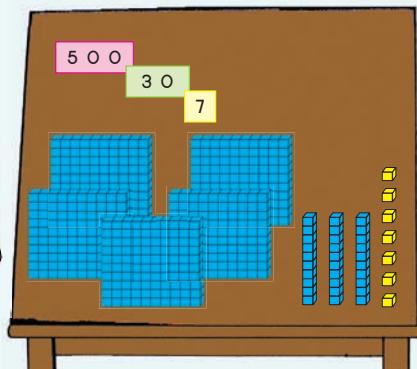
Ezinye iinomboro ezisuka ku-500 zifike ku-600

Ithemu 3



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

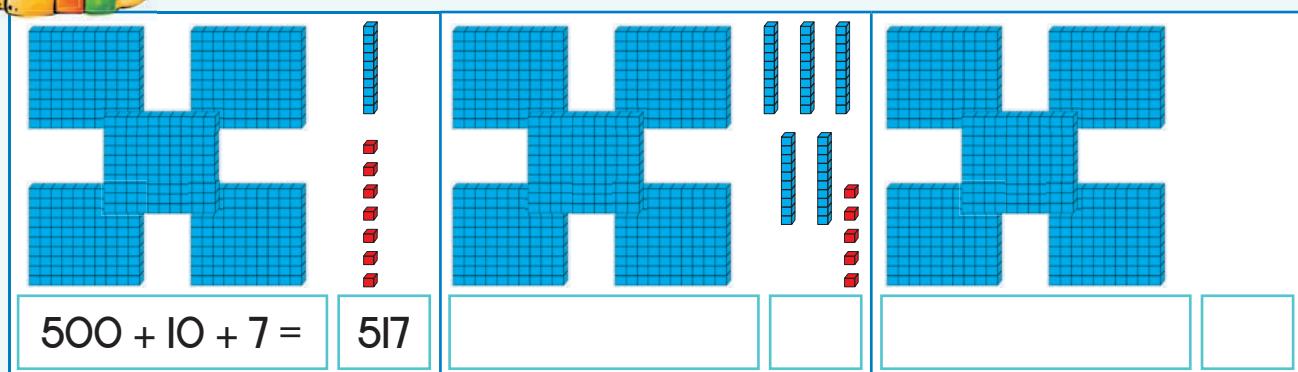
U-Aakar utjengise lokhu. Ngikuphi okungakalungi akwenzileko?



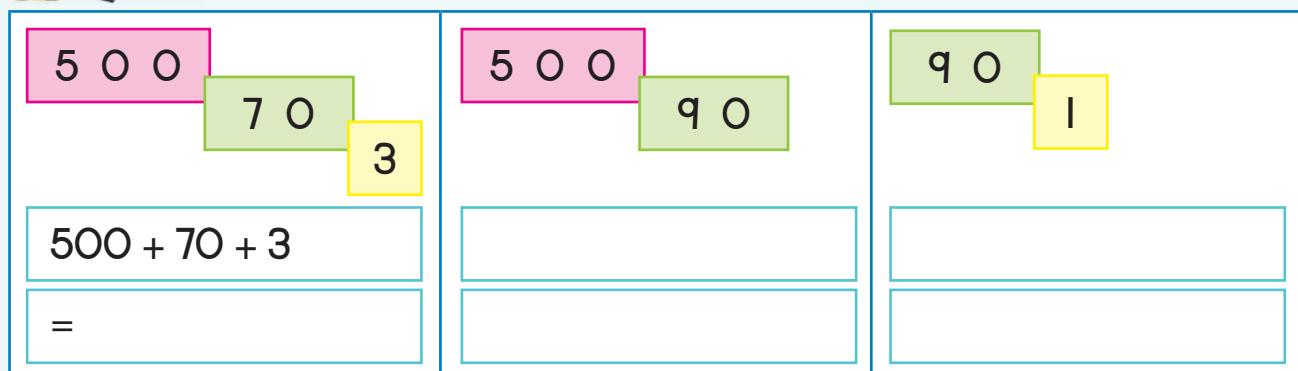
UPeter unamakarada anobukhulu bedijidi kanye nesisekelo setjhumi lamabhlogo.



Tlola umutjho weenomboro bese utlola nependulo.



Tlola umutjho weenomboro bese utlola nependulo.





Qedelela inambalayini.

550 551 552 560

Tlola zoke iinomboro ezincani kunenomboro 556 _____

Tlola zoke iinomboro ezikulu kunenomboro 556 _____

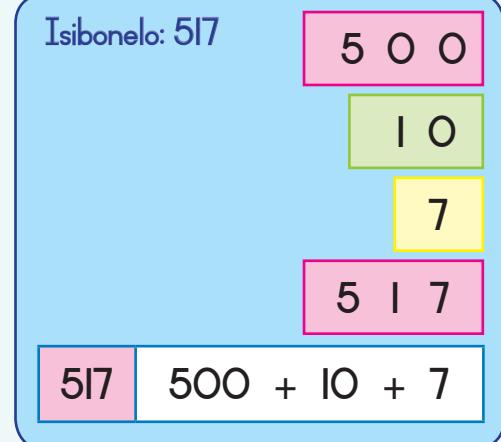
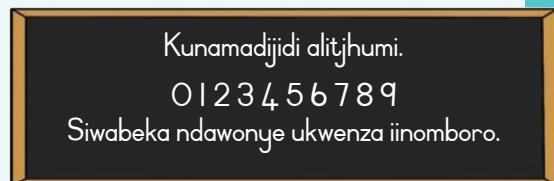


Yehlukanisa inomboro yakho.

- Yakha enye nenyé inomboro ngamakarada wakho.
- Tlola ubungako bedijidi ngayinje.

Ngemva kwalapho wehlukanise iinomboro zakho.

495	
508	
594	
549	
602	



Tlola amabizo weenomboro.

221	
486	
369	
419	
491	



67

Ilanga:



Ithemu 3



Bala bewutlole.

Iinomboro ukusuka ku-600 ukufika ku-700



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

Phimisa iinomboro nawulokhu uzibala.

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

- b. Tlola iinomboro ezithayelako egridini engaphezulu.

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

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

- d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangakubili.

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

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

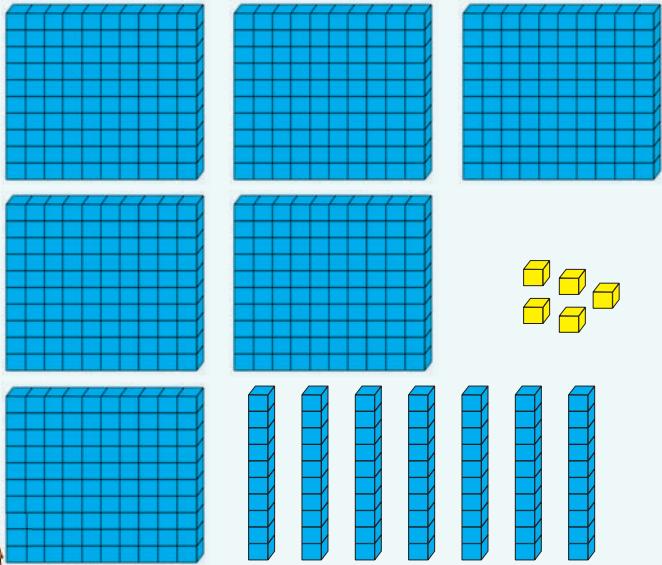
611; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 633

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

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



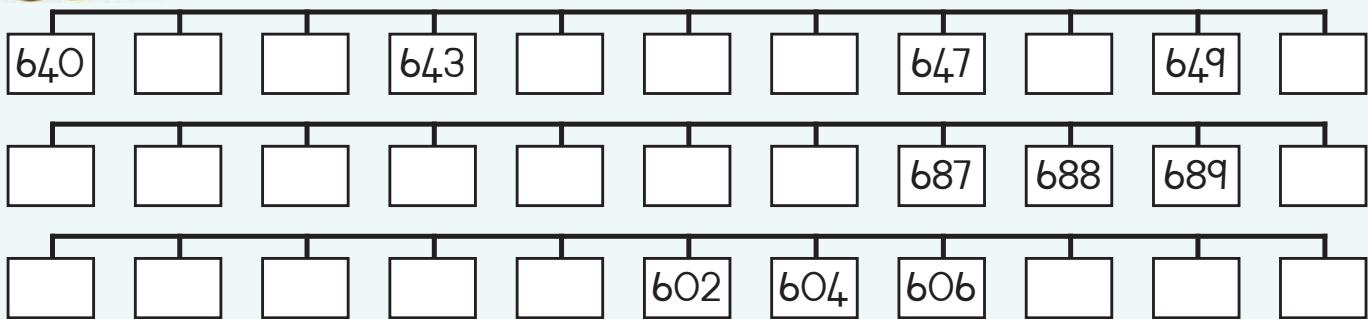
Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.



Qedelela
itheyibula.

Tlola ukusuka kencani
khulu ukuya kekulu khulu

Tlola ukusuka kencani
khulu ukuya kekulu khulu

672, 676, 674, 671, 675

656, 605, 650, 615, 605



Tlola ngamagama.

631

Teacher:

Sign:

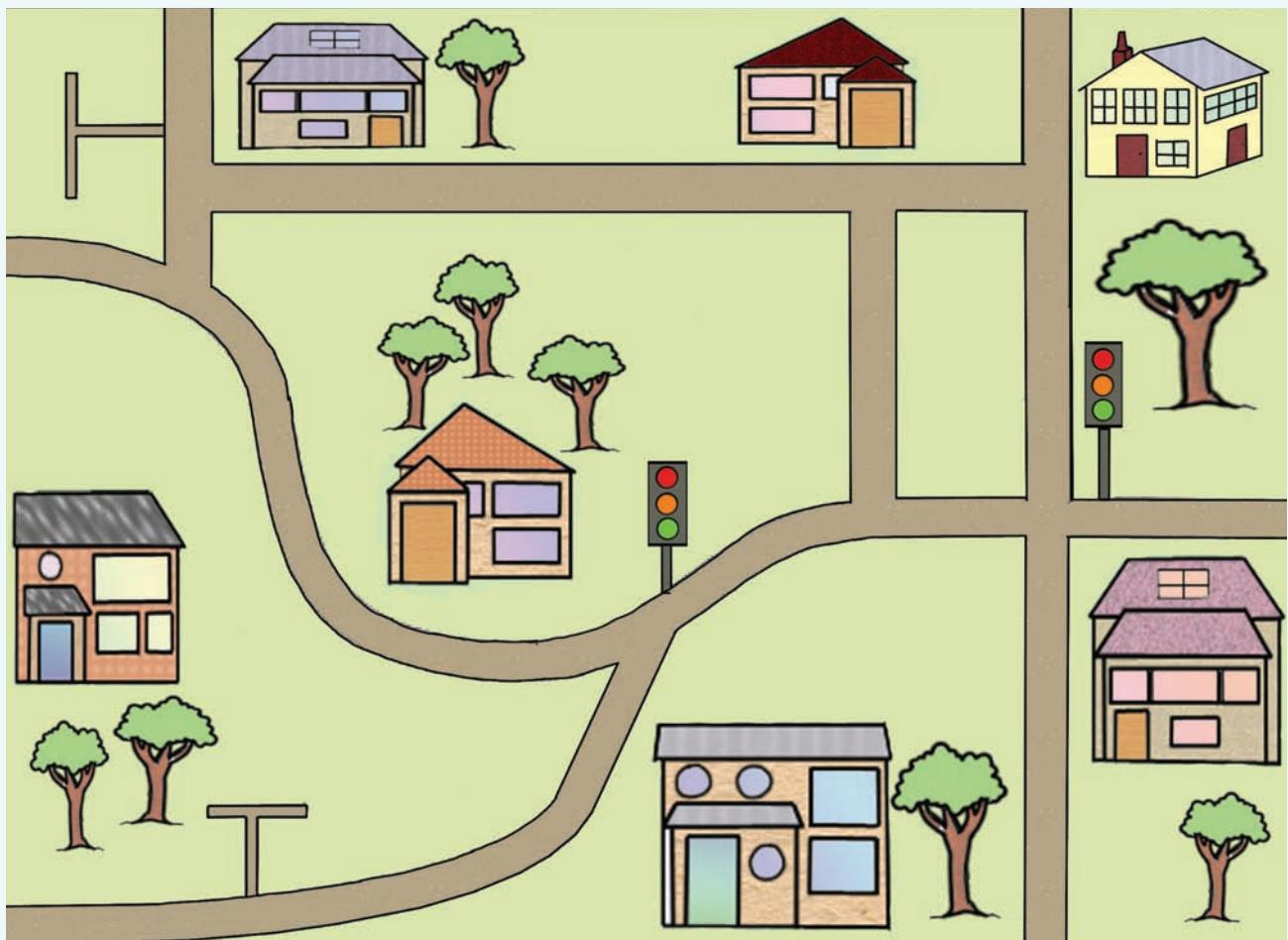
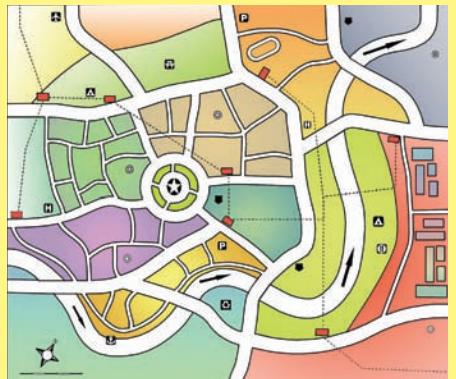
Date:



Umebhe

Qala isithombe.

- Yini lokhu?
- Isetjenziselwa ukwenza ini?
- Yini esingayifunyana emebheni?



Gwala umebhe olandelako:

Onelayibhrari, isikolo, itlinigi, isibhedlela, isitetjhi samapholisa, iinthabathaba zeentolo. Ungangezelela ngeentrada ezinye.



Sebenzisa umebhe osekhasini elidlulileko
ukulayela abangani bakho indlela ukusuka:

a. etlinigi ukuya esitetjhini samapholisa.

b. esikolweni ukuya etlinigi.

c. esikolweni ukuya eenthabathabeni zeentolo.

d. eenthabathabeni zeentolo ukuya elayibhrari.

e. elayibhrari ukuya esikolweni.

f. esibhedlela ukuya esikolweni.



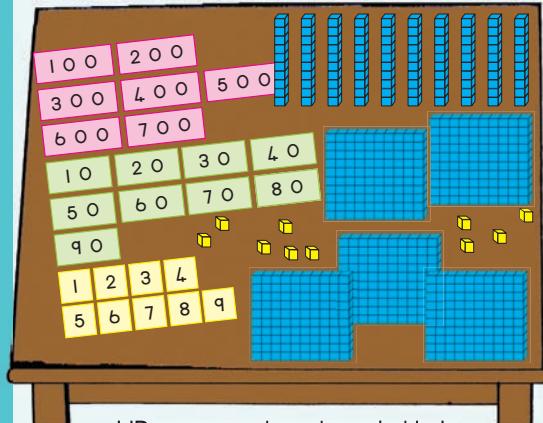
69

Ilanga:

Ezinye iinomboro

kusuka ku-600 kufika ku-700

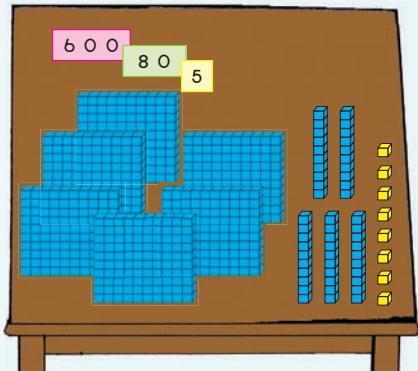
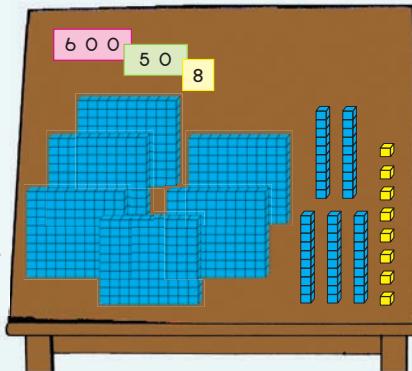
Ithemu 3



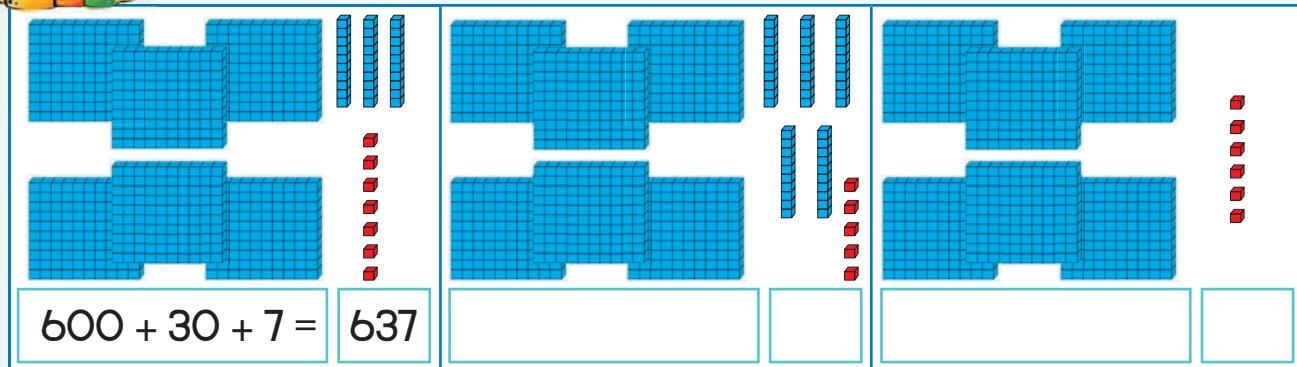
UPeter unamakarada anobukhulu
bedijidi kanye nenomboro sisekelo
yetjhumi lamabhlogo.

Utitjhere ubawa uPeter kobana
atjengise inomboro 658
ngamakarada kanye namabhlogo.

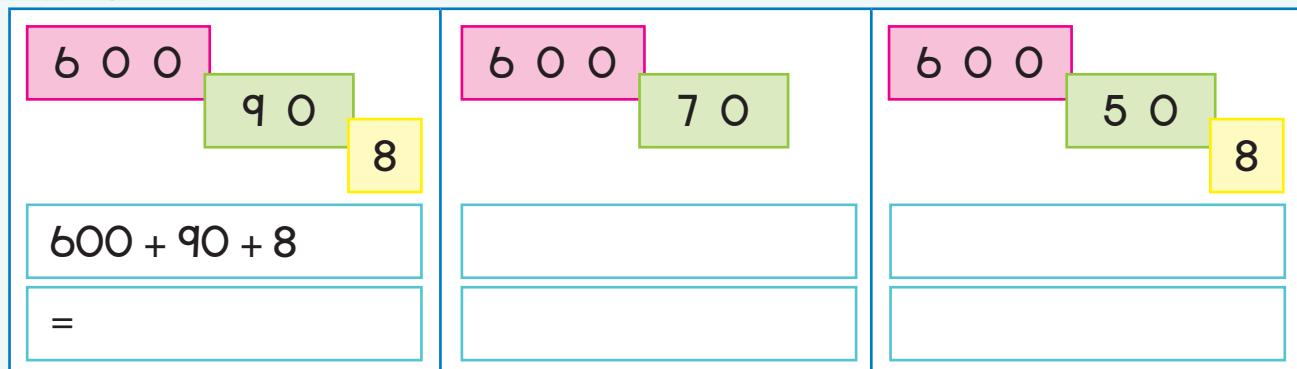
U-Akar utjengise lokhu.
Ngikuphi okungakalungi
akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.



Tlola umutjho weenomboro bese utlola ipendulo.





Qedelela inambalayini.

670 671 672 680

Tlola zoke iinomboro ezincani khulu kunenomboro 675 _____.

Tlola iinomboro ezikulu khulu kunenomboro 675 _____.



Qedelela ngetshwayo < nanyana > =

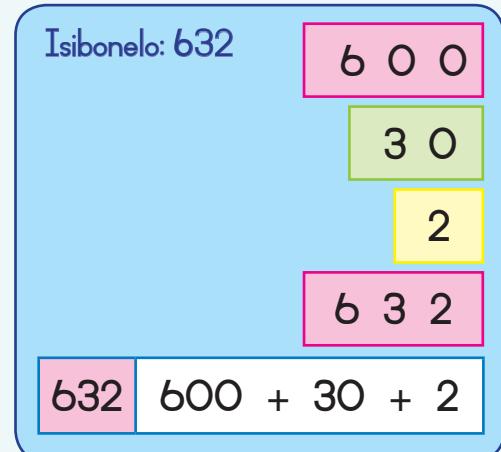


Yehlukanisa iinomboro.

a. Yakha inomboro ngayinye ngamakarada.

b. Tlola ubungako bedijidi ngayinye. Ngemva kwalapho kghedlha inomboro yakho.

686	
690	
699	
673	
665	



Tlola amabizo weenomboro.

672	
693	
607	
697	
660	



70

Ilanga:

Iinomboro kusuka

ku-650 kufika ku-750

Ithemu 3



Bala bewutole.

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

Phimisa iinomboro nawulokhu uzibala.

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



b. Tlola iinomboro ezithayelako egidini engehla.

c. Tlola iinomboro ezili-10 eziza ngemva kwenomboro 650.

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

d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangakubili.

605; 707; 709; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

e. Tlola zoke iinomboro ngephetheni yangaku-3 kusuka enomborweni 719 kufika enomborweni 749.

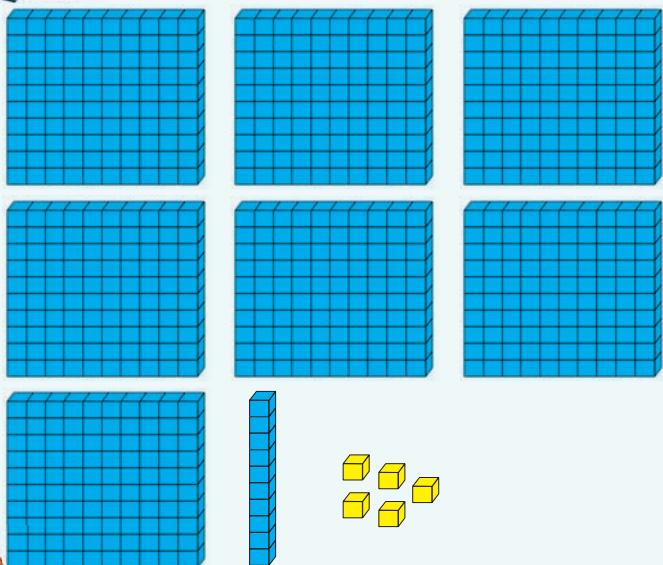
719; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ 749

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

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



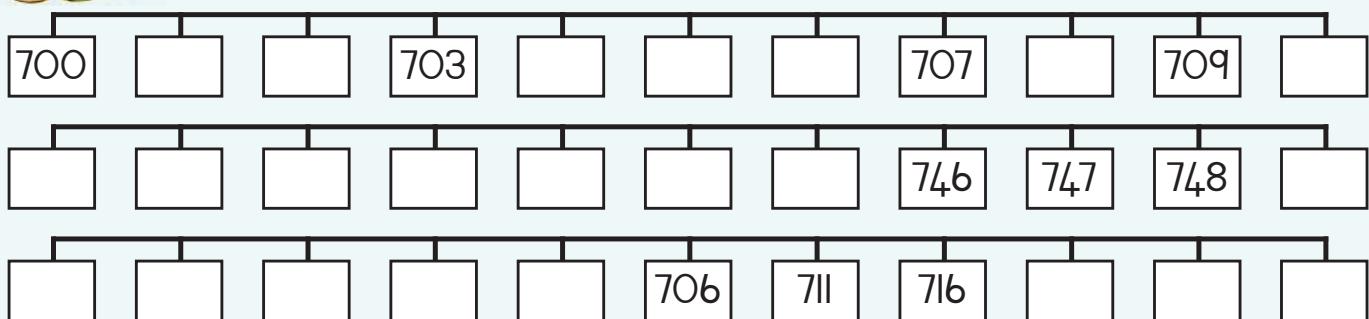
Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.



Qedelela
itheyibula.

Tlola ukusuka kencani
khulu ukuya kekulu khulu

Tlola ukusuka kekulu
khulu ukuya kencani khulu

729, 720, 728, 721, 725

659, 705, 607, 701, 706



Teacher:
Sign:

Date:



Tlola ngamagama.

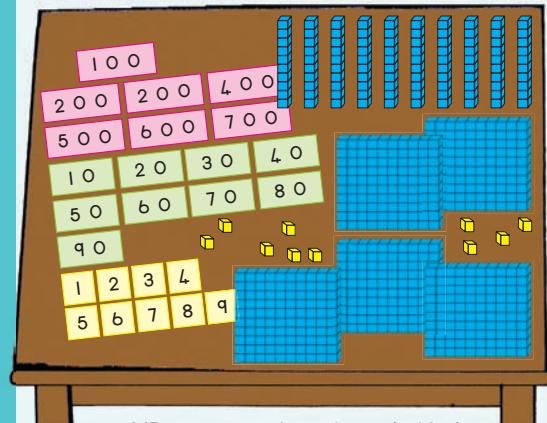
706

71

Tinomboro kusuka

ku-700 kufika ku-750

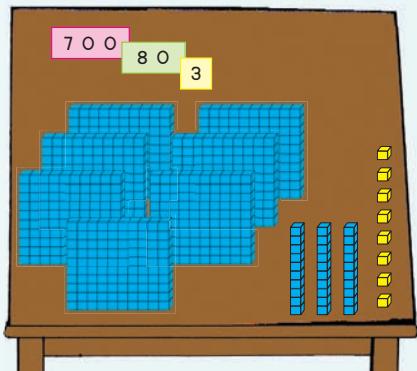
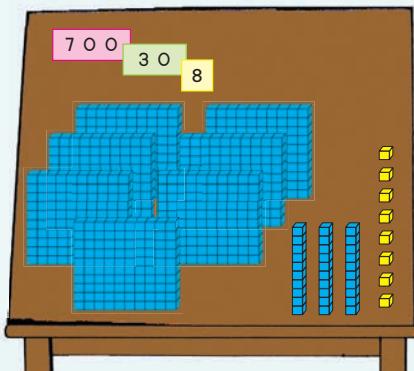
Ithemu 3



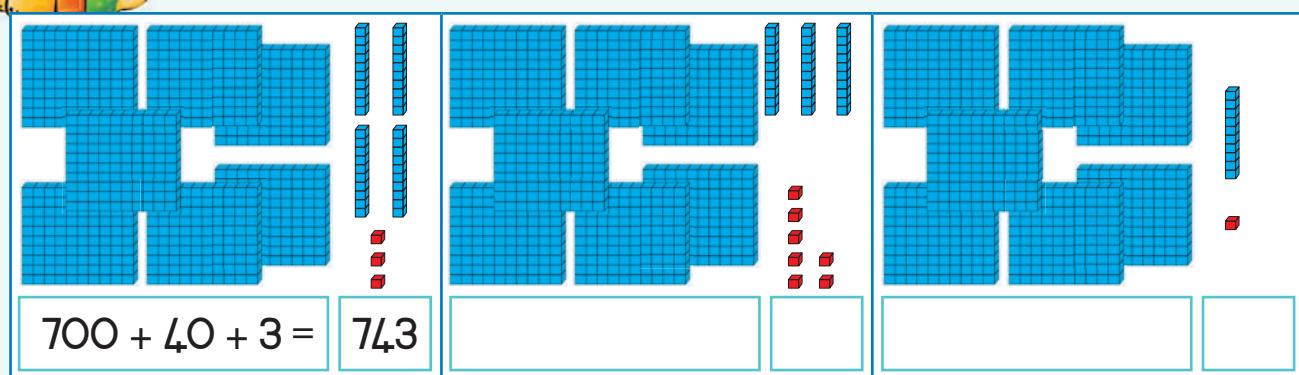
UPeter unamakarada anobukhulu
bedijidi kanye nenomboro sisekelo
yetjhumi lamabhlogo.

Utitjhhere ubawa uPeter kobana
atjengise inomboro 738
ngamakarada kanye namabhlogo.

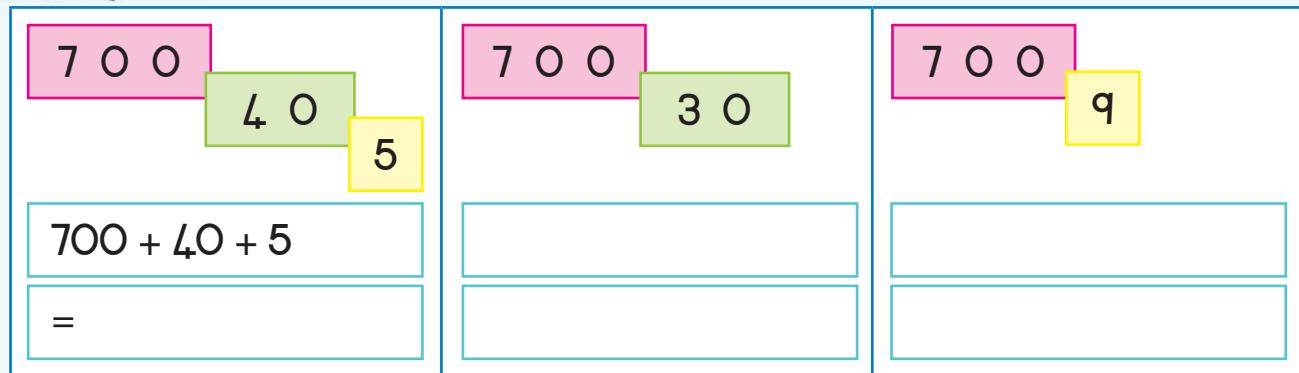
UJabu utjengise lokhu. Ngikuphi
okungakalungi akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.



Tlola umutjho weenomboro bese utlola ipendulo.





Qedelela inambalayini.

699 700 701 709

Nikela zoke iinomboro ezincani khulu kunenomboro 704. _____

Nikela iinomboro ezikulu khulu kunenomboro 704. _____



Qedelela < nanyana > =

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

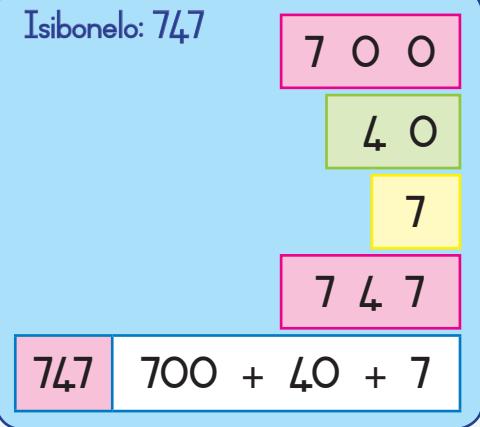


Yehlukanisa inomboro.

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

750	
728	
703	
730	
749	

Isibonelo: 747



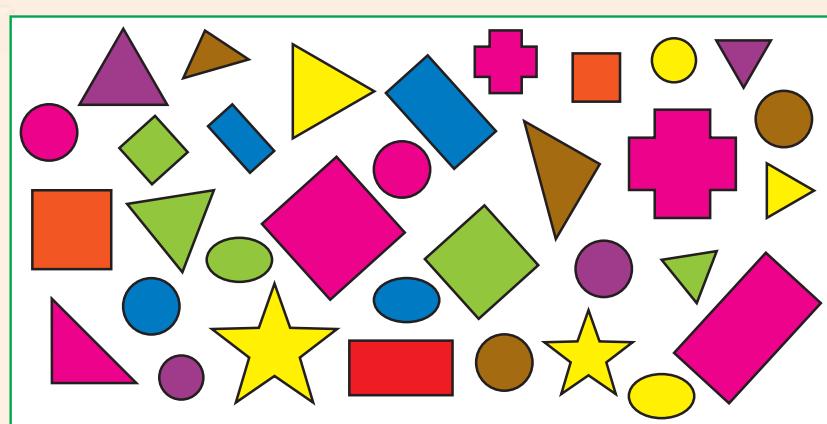
Tlola amabizo weenomboro.

714	
750	
742	
738	
704	

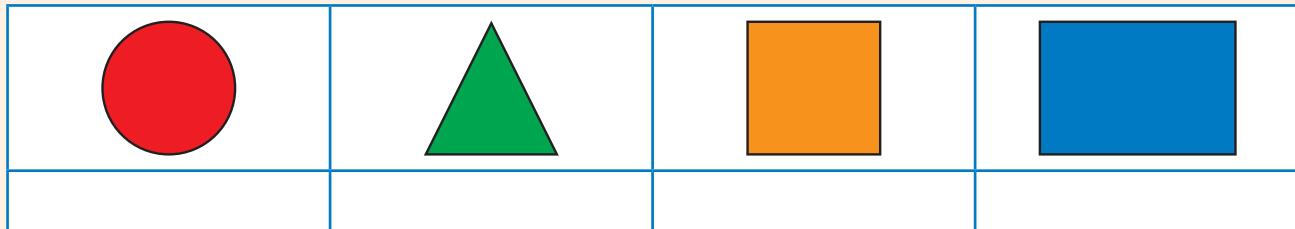




Yitjho nangabe ijamo
linqophile nanyana
linamahlangothi
anqophileko.



Yitjho nangabe ijamo linetlobo enqophileko nanyana
itlobo eyindulunga.



Ungagwala amabumbeko
amangaki ngamawejisi
anqophjileko.



Funyana iinthombe

Funyana amajamo anamatlobo
anqophileko bese uwadlulisa lapha.

Funyana amajamo anamatlobo anqophileko
bese uwadlulisa lapha.



Qedelela okulandelako:

	Gwala ijamo ngeendawo ezihlukeneko
uncantathu	
irekthengela	
isikwere	



Qedelela itheyibula:

Yitjho ijamo	Gwala ijamo elingelincani khulu	Gwala ijamo elingelikhulu khulu



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

Zibeke lapha.



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Tlola iledere

Ilanga:

Ilenede ongayibhinca ukwenza isilinda

Ithemu 3



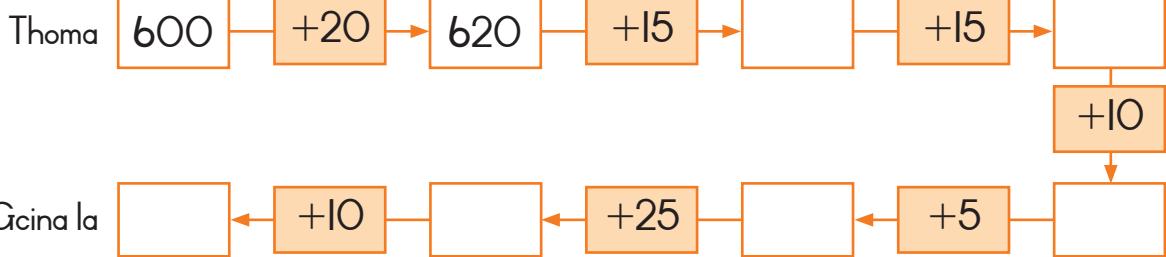
Ngingathenga ini ngemali ema-R500?

Ngiziphi izinto kilezi
engingazithenga ngemali
ema-R500 patsi?



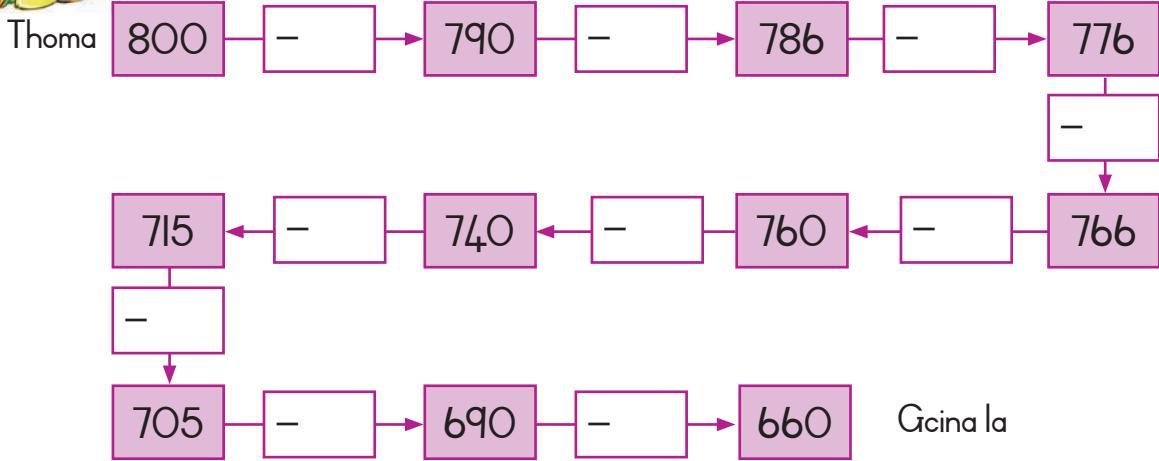
Hlanganisa uye phambili kusuka ku-600.

Tlola iinomboro ezitlhayelako.



Bala ubuyele emuva ukusuka ku-800.

Njalo tlola uthi "itjhentjhi".





Rarulula okulandelako:

$725 + 53 =$

$664 + 87 =$

$564 + 132 =$

$75 + 717 =$



Rarulula okulandelako:

UJames ubuthelele amamabula ama-525.

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

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

-
-



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Ukuhlanganisa nokukhupha kufikela ku-800

Ithemu 3

Iminden ieenomboro

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

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

$4 + 8 = 12$	$8 + 4 = 12$
$12 - 8 = 4$	$12 - 4 = 8$



Funyana iminden.

Tlola imitjho ieenomboro emine kelinye nelinje ibuthelelelo leenomboro.

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



Yelela izinto ezihlanganisako.

Emsebenzini lo sizokuveza amaphetheni.

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



Ikhambo elide.

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

UKumi wenza lokhu:	UPhumla utlola lokhu:
$352 - 166$ $+4 \quad +30 \quad +100 \quad +52$ $\begin{array}{ccccccc} 166 & & 170 & & 200 & & 300 & 352 \\ \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & & & \curvearrowright \\ & & & & & & \end{array}$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $= \begin{array}{r} 300 \\ -100 \\ \hline 200 \end{array} \begin{array}{r} 50 \\ +60 \\ \hline 110 \end{array} \begin{array}{r} 2 \\ +6 \\ \hline 8 \end{array}$ $= 200 + 140 + 12$ $= \begin{array}{r} 200 \\ -100 \\ \hline 100 \end{array} \begin{array}{r} 140 \\ +60 \\ \hline 200 \end{array} \begin{array}{r} 12 \\ +6 \\ \hline 18 \end{array}$ $= 100 + 80 + 6$ $= 186 \text{ km}$
UMbali wenza lokhu:	UPeter wenza lokhu:
$352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
UVeronica wenza lokhu:	ULebo ucabanga ngokubuyelwelwe kabilii kanye nokuhafula:
$352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	Ihafu yaka-352 yi-176 Kodwana kumele ngithathe nje kwaphela i-166, okutjho kobana ngihlanganise godu ne-10. $176 + 10 = 186 \text{ km}$

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



Rarululela okulandelako lokhu esiqetjhaneni sephepha:

Sebenzisa nanyana ngijiphi yeendlela ezingehla.

$746 - 328$

$800 - 499$



75

Okhunye ukuhlanganisa

kanye nokukhupha ukufika ku-800

Ithemu 3



Zakhele zakho iinomboro zemndeni.

Umsebenzi wokuzijayeza.

Ilanga:

5 12 17

Isibonelo: Yakha u-17



$5 + 12 = 17$

$12 + 5 = 17$

$17 - 12 = 5$

$17 - 5 = 12$

$8 + 9 = 17$

$9 + 8 = 17$

$17 - 9 = 8$

$17 - 8 = 9$

8 9 17



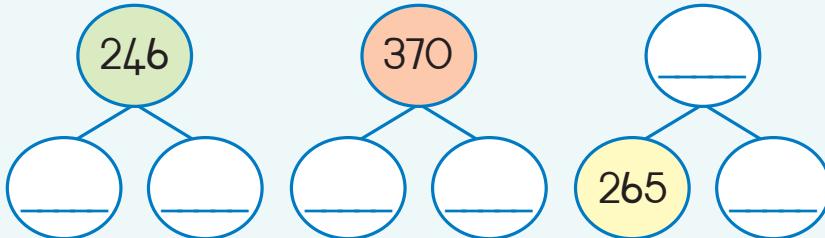
Kenye nenyе inomboro kezingenzasi, khetha ezinye ezimbili ukwakha umndeni. Tlola imitjho yeenomboro emine (emibili + kanye nemibili –) kenyе nenyе inomboro yomndeni.

Hholisa!
Madanisa! Lungisa!

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



Funyana inomboro etlhayelako ebuyelelwе kabilis nanyana ehafuliweko.





Ukuhafula ukuze ukhuphe.

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

$$34 - 18 = 16$$

$$34 - 17 = 17$$

$$17 - 1 = 16$$

$$190 - 97$$

$$190 - 95 = 95$$

$$95 - 2 = 93$$

$$65 + 69$$

$$65 + 65 = 130$$

$$130 + 4 = 134$$

$$242 + 249$$

$$= 242 + 242 + 7$$

$$= 484 + 7$$

$$= 491$$

Kwanje linga lokhu:

$$340 - 176$$

$$145 + 148$$

$$900 - 452$$



Fundisia iindlela.

Ebantwaneni abama-256 omunye nomunye wabo ufunyana isipho sakaKresimusi. Ihafu yabo ifunyana abonopopi bese ihafu ifunyane iinkoloyana zokudlala. Bangaki abafunyana iinkoloyana?

Indelala yoku-1

$$256 = 200 + 50 + 6$$

$$\rightarrow \text{Ihafu yaka-}200 \text{ yi-}100$$

$$\rightarrow \text{Ihafu yaka-}50 \text{ yi-}25$$

$$\rightarrow \text{Ihafu yaka-}6 \text{ yi-}3$$

$$100 + 25 + 3 = 128$$

$$\rightarrow \text{Ihafu yaka-}256 \text{ yi-}128$$

Okutjho kobana abentwana abali-128 bafunyana iinkoloyana.

Iindlela yesi-2

$$\rightarrow \text{Ihafu yaka-}250 = 125$$

$$\rightarrow \text{Ihafu yaka-}6 \text{ yi-}3$$

$$125 + 3 = 128$$

$$\rightarrow \text{Ihafu yaka-}256 \text{ yi-}128$$

Okutjho kobana abentwana abali-128 bafunyana iinkoloyana.



Rarululela okulandelako lokhu esiqetjhaneni sephepha:

Sebenzisa nanyana ngiyiphi yeendlela ezingehla.

Umntwana omunye nomunye kabama-728 ufunyana isidlalisi esitolo sendawo esithengisa ukudla. Ihafu yabentwana ifunyane amabhlogo wokwakha. Bangaki abentwana abafunyene amabhlogo wokwakha?

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



76

Ilanga:

Amaphetheni weenomboro: amatjhumi ukufika ku-800

Ithemu 3



Ungathini ngeenomboro ezingemabhlogweni afiphaziweko?

Bala amatjhumi ukusuka ku-710 ukufika ku-800.

Ngiyiphi inomboro eza ngemva kwaka-720 lokha nawubala ngamatjhumi?

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

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

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



Qedelela iinomboro zemitjho.

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



Ukuhlanganisa nanyana ukukhupha ngamatjhumi.

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

$$a. 767 + 10 = 777$$

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



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

a. $767 - 10 = 757$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____

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



Qalisisa iiyungi ezibomvu ebhodinileenomboro.

a. Ngikuphi okuyeletako ngeeyungi lezi? _____

b. Yelula ukulandelana kweenomboro

ezilandelako:

704; 714; 724; _____ ; _____ ; _____

715; 725; 735; _____ ; _____ ; _____

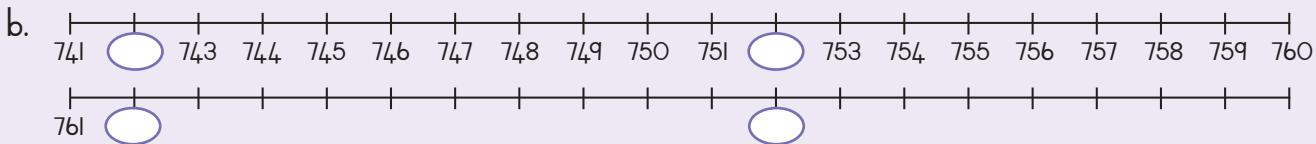
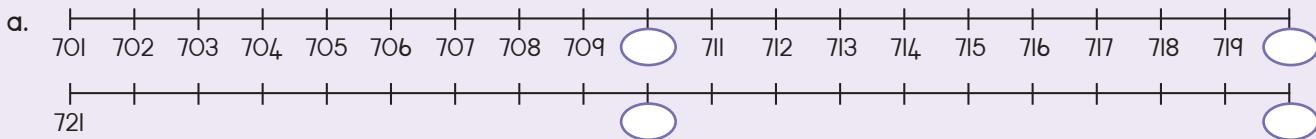
799; 789; 779; _____ ; _____ ; _____

782; 772; 762; _____ ; _____ ; _____

737; 747; 757; _____ ; _____ ; _____



Qedelela ngenomboro enembako komunye nomunye
umzombe wamanambalayini alandelako.



Nginenomboro enamadijidi ama-3.



Idijidi yokuthoma ngu-7, elandelako yinomboro enobukhulu obubodwa
kunekhomba, bese idijidi lokugcina kube yinomboro engaphasi kuka-7 ngokukodwa.

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



Teacher:
Sign:
Date:

77

Ilanga:

Ukutjhideza etjhumiini

Ithemu 3

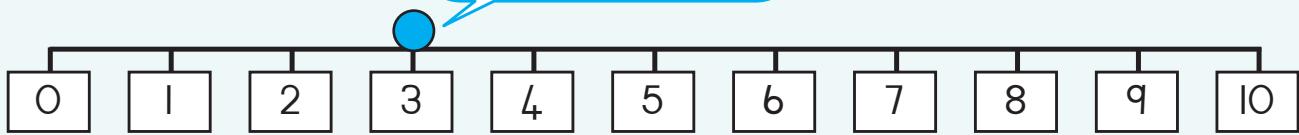
Zoke iinomboro kusuka ku-4 ukuya
emuva zizokutjhidezwa eqandeni.

Zoke iinomboro kusuka ku-5 ukuya
phambili zizokutjhidezwa etjhumiini.

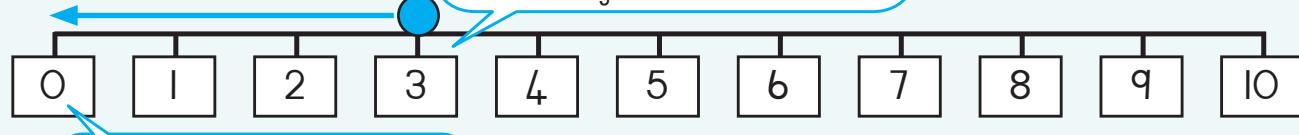


Asikhulume.

Qala inomboro 3 kunambalayini.

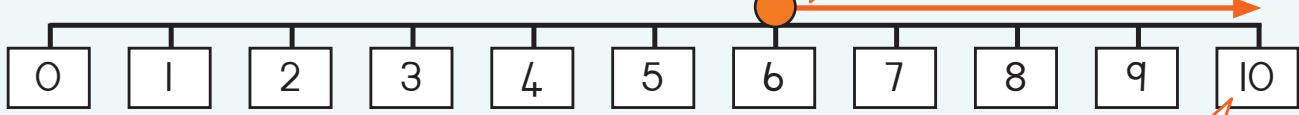


U-3 uzokuba yini lokha nakatjhidezwa
etjhumiini eliseduze?



Yenza okufanako nangalokhu:

U-6 uzokuba yini lokha nakatjhidezwa
etjhumiini eliseduze?



Ipendulo kuzokuba ngu-10.



Tjhideza etjhumiini eliseduze.

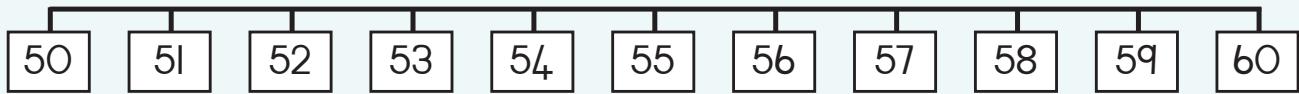
U-12 nakatjhidezwe eduze ipendulo yini? _____

U-19 nakatjhidezwe eduze ipendulo yini? _____



U-53 nakatjhidezwe eduze ipendulo yini? _____

U-58 nakatjhidezwe eduze ipendulo yini? _____





Tjhideza etjhumi ni eliseduze
ngokugwala inambalayini yakho.

a. 46

46

50

Kuhlangana namaphi amatjhumi
amabili lapha kuno-46?

40

41

42

43

44

45

46

47

48

49

50

b. 63

Kuhlangana namaphi amatjhumi
amabili lapha kuno-63?

c. 37

Kuhlangana namaphi amatjhumi
amabili lapha kuno-37?

d. 99

Kuhlangana namaphi amatjhumi
amabili lapha kuno-99?



UTom unemali ema-R48,00

Ipaka yamakarada awabuthelelako ibiza ama-R5,00.

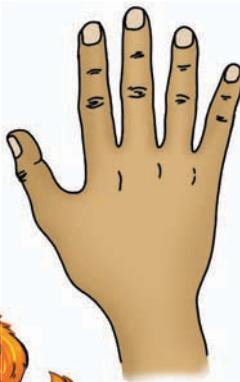
Angathenga iimpakana zamakarada ezingaki ngemali ema-R48,00?



Ukubuyabuyelela: okuhlanu kufika kuma-75

Ngikuphi okuza
ngakuhlanu?

Imino yesandla esisodwa.



Qedelela itheyibula.

Mingaki imino:

Ezandleni ezi-2?

Ezandleni ezi-3?

Ezandleni ezi-4?

Ezandleni ezi-5?

Ezandleni ezi-6?

Ezandleni ezi-7?

Ezandleni ezi-8?

Ezandleni ezi-9?

Ezandleni ezi-10 ?

Madanisa ipendulo
nombuzo ngesinceleni:

$$9 \times 5 = 45$$

$$7 \times 5 = 35$$

$$\textcolor{red}{2} \times 5 = 10$$

$$4 \times 5 = 20$$

$$3 \times 5 = 15$$

$$5 \times 5 = 25$$

$$10 \times 5 = 50$$

$$6 \times 5 = 30$$

$$8 \times 5 = 40$$

Ukubuthelela

Ukubuyabuyelela

Ukwabelana

Hlukanisa

Amabuthelelo ama-2
wangaku-5

$$2 \times 5 = 10$$

Yaba okuli-10
hlangana kwaba-5

$$10 \div 5 = 2$$

Amabuthelelo ali-7
wangaku-5

Yaba okuma-35
hlangana kwaba-5

Amabuthelelo ali-12
wangaku-5

Yaba okuma-60
hlangana kwaba-5

Amabuthelelo ali-15
wangaku-5

Yaba okuma-75
hlangana kwaba-5



Qedelela itheyibula.

Ukwabelana

Hlukanisa

Yaba okuli-12 hlangana kwaba-5

$$12 \div 5 = 2 \text{ isalela ngu-2}$$

Yaba okuma-64 hlangana kwaba-5

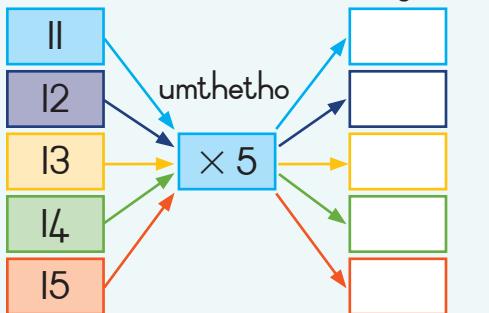
Yaba okuma-39 hlangana kwaba-5

Yaba okuma-73 hlangana kwaba-5



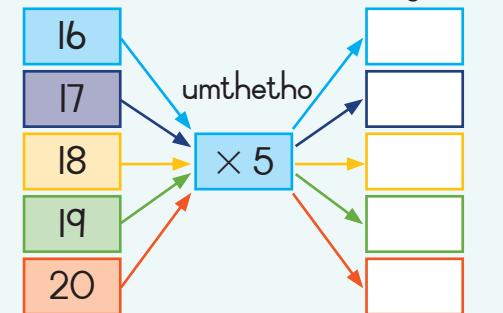
Qedelela umgwalo owehlako.

okufakako

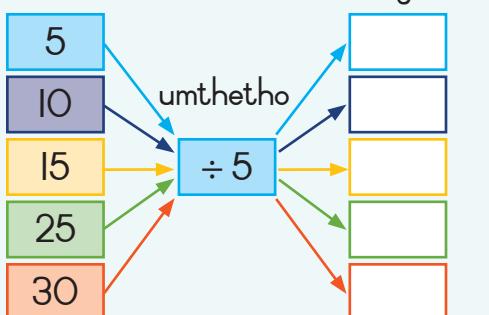


okufunyanako

okufakako

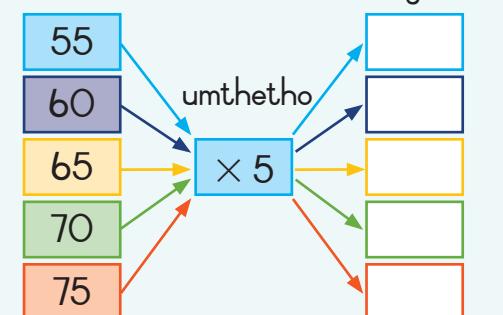


okufakako



okufunyanako

okufakako



Qedelela itheyibula elingenzasi:

×	1	2	3	4	5	6	7	8	9	10
5										

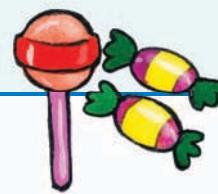
×	II	I2	I3	I4	I5	I6	I7	I8	I9	I20
5										

Uzisebenze njani iimpendulo ekumele zitlolwe ngemabhlogweni ahlaza sasibhakabhaka?



Rarulula okulandelako:

Umma uthenge iimpaka zamaswidi ngenani elima-R70.
Ulbhadele ama-R5 ipaka ngayinye.
Umma uthenge iimpaka zamaswidi ezingaki?



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Ilanga:

Amaphetheni weenomboro: ngakuhlanu bekufike ku-800

Ithemu 3



Ungathini ngeenomboro ezingemabhlogweni
anombala o-orentji?

Bala ngakuhlanu usuke ku-705 uyokufika
ku-800.

Ngiyiphi inomboro eza ngemva kwaka-720
lokha nawubala ngakuhlanu?

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

Ngiyiphi inomboro eza ngaphambi
kwaka-730 lokha nawubala uya emuva?

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



Qedelela imitjho yeenomboro.

725; 730; 735; _____ ; _____ ; _____

800; 795; 790; _____ ; _____ ; _____



Hlanganisa nanyana ukhuphe ngakuhlanu.

I. Hlanganisa inomboro onikelwe yona nakuhlanu.

Sewenzelwe inomboro yokuthoma njengesibonelo.

$$760 + 5 = 765$$

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



2. Khupha okuhlanu enomborweni onikelwe yona.
Sewenzelwe inomboro yokuthoma njengesibonelo.

a. $765 - 5 = 760$

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

3. Kwenzeka ini lokha nawuhlanganisa nanyana ukhupha okuhlanu kilezi iinomboro ezingehla?



Qalisisa iiyungi ezibomvu ebhodini leenomboro.

a. Ngikuphi okuyelelako ngeeyungi lezi? _____

b. Yelula ukulandelana kweenomboro

ezilandelako:

703; 708; 713; _____ ; _____ ; _____

753; 758; 763; _____ ; _____ ; _____

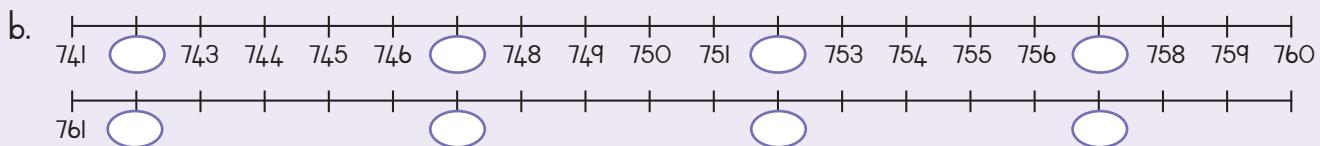
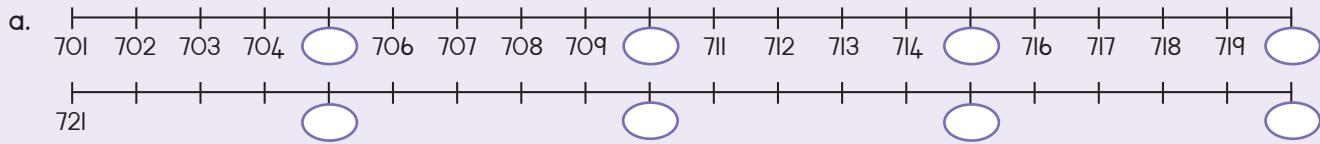
701; 706; 711; _____ ; _____ ; _____

722; 727; 732; _____ ; _____ ; _____

714; 719; 724; _____ ; _____ ; _____



Qedelela ngenomboro enembako emzombeni ngamunye wamanambalayini.



Nginenomboro enamadjidi ama-3.



Idijidi yokuthoma ngu-7, elandelako yinomboro enobukhulu obubodwa kunekhomba, bese idijidi lokugcina kube yinomboro engaphasi kuka-7 ngokuhlanu.

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



Teacher:
Sign:
Date:



Ubusuku kanye nemini



eCape Town

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



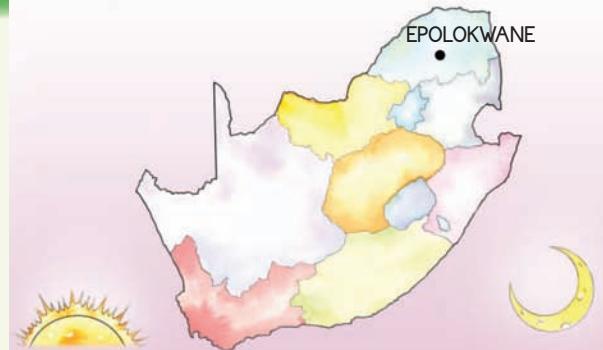
eCape Town	Ukuphuma kwelanga	Ukutjhingga kwelanga	Ubude belanga	Ubude bobusuku
Mhla amalanga ama-23 kuMatjhi	6:53 am	6:53 pm		
Mhla amalanga ama-21 kuJuni	7:51 am	5:44 pm		
Mhla amalanga ali-19 kuSeptemba	6:41 am	6:41 pm		
Mhla amalanga ama-22 kuDisemba	5:32 am	7:58 pm		

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



EPolokwane

Itheyibula le itjengisa iinkhathi zokuphuma nokutjhinga kwelanga ngeenkathi ezahlukeneko zomnyaka ePolokwane. Fundisia iinkhathi etheyibuleni bese uqedelela okulandelako etheyibulini ngaphambi kokuphendula imibuzo engenzasi.



EPolokwane	Ukuphuma kwelanga	Ukutjhingga kwelanga	Ubude belanga	Ubude bobusuku
Mhla amalanga ama-25 kuMatjhi	6:08 am	6:08 pm		
Mhla amalanga ama-21 kuJuni	6:44 am	5:24 pm		
Mhla amalanga ali-17 kuSeptemba	5:57 am	5:57 pm		
Mhla amalanga ama-22 kuDisemba	5:13 am	6:50 pm		

- Kungaziphi iinyanga lapha ubusuku kanye nemini kulingana khona?

- Kungaziphi iinyanga lapha ubude belanga bulingana khona eCape Town kanye nePolokwane?

- Kungaziphi iinyanga lapha ubude belanga buhluke khona?
- Funyana umehluko ngama-iri kanye nemizuzu hlangana kwelanga elide khulu kanye nelanga elifitjhani khulu.
- Funyana **ubude belanga** kanye ne**busuku** elangeni elinye nelinye etheyibulini elingebla.



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

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

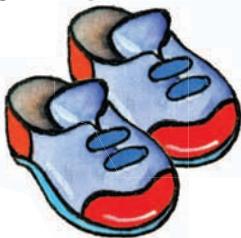


Ukubuyabuyeleta: ngakubili bekufike ku-75

Ithemu 3

Ngikuphi okuza
ngakubili?

Ipara yinye
yamanyathelo.



Mangaki amanyathelo:

Ipara yinye yamanyathelo?

Impara ezi-2 zamanyathelo?

Impara ezi-3 zamanyathelo?

Impara ezi-4 zamanyathelo?

Impara ezi-5 zamanyathelo?

Impara ezi-6 zamanyathelo?

Impara ezili-7 zamanyathelo?

Impara ezibu-8 zamanyathelo?

Impara ezili-9 zamanyathelo?

Impara ezili-10 zamanyathelo?

Madanisa isibalo nombuzo
ongesinceleni.

$$1 \times 2 = 2$$

$$9 \times 2 = 18$$

$$7 \times 2 = 14$$

$$2 \times 2 = 4$$

$$4 \times 2 = 8$$

$$3 \times 2 = 6$$

$$5 \times 2 = 10$$

$$10 \times 2 = 20$$

$$6 \times 2 = 12$$

$$8 \times 2 = 16$$

Qedeleta itheyibula.

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



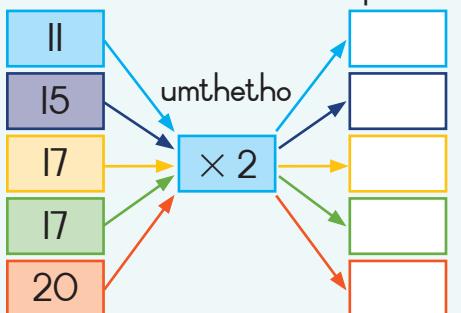
Qedeleta itheyibula.

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



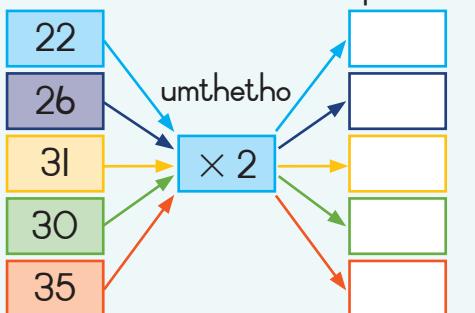
Qedelela umgwalo owehlako.

okufakiweko



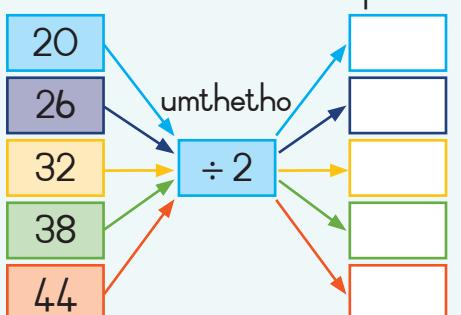
umphumela

okufakiweko



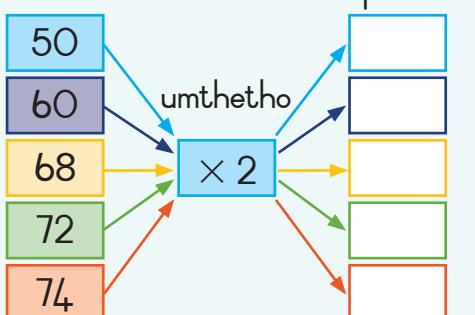
umphumela

okufakiweko



umphumela

okufakiweko



umphumela



Qedelela amatheyibula angenzasi:

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

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



Rarulula okulandelako:

Ngithenge amaswidi wamalolipopo ama-36 ngemali ema-R2.

Ngibhadele ngemali ema-R50, R20 kanye neyisimbi ema-R5.

Kube yjimalini itjhentjhi yami?



Amaphetheni weenomboro: zangakubili kufika ku-800



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

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

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

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



Qedeleta ukulandelana kweenomboro.

720; 722; 724; _____ ; _____ ; _____

800; 798; 796; _____ ; _____ ; _____



Hlanganisa nanyana ukhuphe okubili.

- I. Hlanganisa okubili enomborweni oyinikelweko.
Sewenzelwe isibonelo.

a. $764 + 2 = 766$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



2. Khupha okubili enomborweni enikelweko. Sewenzelwe isibonelo.

a. $764 - 2 = 762$

b. 762

c. 783

d. 756

e. 714

f. 799

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



Qala iiyangi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyelelako ngeeyangi lezi? _____

b. Yelula ukulandelana kweenomboro

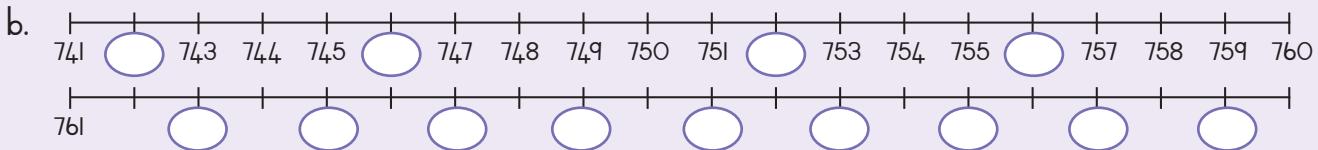
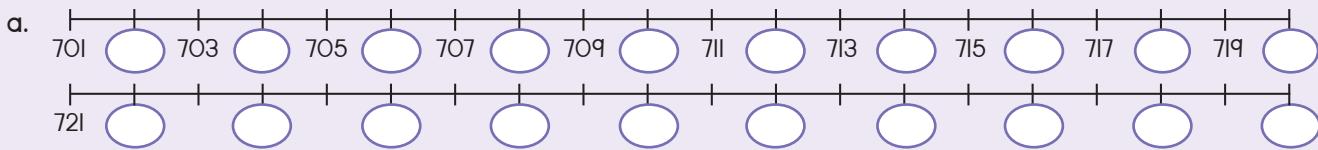
ezilandelako: _____ ; _____ ; _____

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

799; 797; 795; _____ ; _____ ;
783; 785; 787; _____ ; _____ ;
779; 781; 783; _____ ; _____ ;



Qedelela ngenomboro enembako kesinye nesinye isiyangi
kumanambalayini alandelako.



Nginenomboro enamadijidi ama-3.

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



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



Teacher:
Sign:

Date:

Ukubuyabuyeleta:

ngaku-2 nangaku-5 bekufike ku-75



Ungaphendula msinya kangangani kilokhu okulandelako?

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



Qala kobana umngani wami wenze ini.

$$4 \times 2 = 8$$

Cocisanani.

Umngani wami utjengisa oku- 4×2 ngendlela elandelako:

Ukubala ulokhu weqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyeletweko	Ukuhlela	Amaphuzu
2, 4, 6, 8	● ● ● ● ● ● ● ●	$2 + 2 + 2 + 2$	xx xx xx xx	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

Kwanje yenza okufanako $4 \times 5 = 20$.

Ngokubala useqa	Amabuthelelo alinganako	Ngokuhlanganisa okubuyeletweko	Ngokuhlela	Ngamaphuzu



Buyabuyelela okulandelako:

$$24 \times 3$$

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

$$= 60 + 12$$

$$= 72$$

a. 13×3

b. 18×3

c. 12×5

d. 21×3

e. 14×3

f. 25×3

g. 12×3

h. 15×5



Rarulula okulandelako:

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

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

Sisobabili sibhadele malini imali yamaswidi sele awoke?



Teacher: Sign:
Date:

Ukubuyabuyeleta: ngakuthathu bekufike ku-75

Ngikuphi
okuza
ngakuthathu?
Amavilo
womlelenjani
onamavilo
amathathu.



Mangaki amavilo asemlelenjaneni
owodwa?

Mangaki amavilo asemlelenjaneni emi-2?
Mangaki amavilo asemlelenjaneni emi-3?
Mangaki amavilo asemlelenjaneni emi-4?
Mangaki amavilo asemlelenjaneni emi-5?
Mangaki amavilo asemlelenjaneni esi-6?
Mangaki amavilo asemlelenjaneni eli-7?
Mangaki amavilo asemlelenjaneni ebu-8?
Mangaki amavilo asemlelenjaneni eli-9?
Mangaki amavilo asemlelenjaneni eli-10?



Qedeleta itheyibula.

Madanisa inani kanye
nombuzo ongesandleni
sesincele:

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

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



Qedeleta itheyibula.

Ukwaba	Hlukanisa
Yaba u-37 ngaku-3	$37 \div 3 = 12$ isalela ngu-1
Yaba u-74 ngaku-3	
Yaba u-49 ngaku-3	
Yaba u-68 ngaku-3	



Qedelela umgwalo owehlako.

okufakiweko

10
12
14
16
22

umphumela

umthetho

$\times 3$

okufakiweko

11
13
15
23
25

umphumela

umthetho

$\times 3$

okufakiweko

18
30
36
42
72

umphumela

umthetho

$\div 3$

okufakiweko

12
63
66
69
75

umphumela

umthetho

$\div 3$



Qedelela itheyibula elingenzasi:

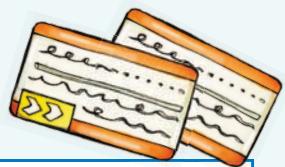
\times	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	3	6													

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

Uyisebenze njani ipendulo yalapha amabhlogo anombala ohlaza sasibhakabhaka?



Rarulula okulandelako:



Imali yokungena ma-R3 umntwana ngamunye begodu ephageni kungene abentwana abama-23.

Sebaboke babhadele malini?





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

Ungakuphendula msinya kangangani lokhu okulandelako?

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



Qala kobana umngani wami wenze ini.

$$5 \times 2 = 10$$

Cocisanani.

Ngithome ngokutjengisa u- 5×2 ngendlela elandelako:

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

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

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyelelweko	Ukuhlela	Amaqiniso

$$6 \times 4 = 24$$

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyelelweko	Ukuhlela	Amaqiniso



Hlukanisa bewuhlolise ipendulo yakho.

$$63 \div 3$$

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

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

$$= 20 + 1$$

$$= 21$$

$$21 \times 3$$

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

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

$$= 60 + 3$$

$$= 63$$

a. $48 \div 5$

b. $64 \div 5$



Rarulula okulandelako:



Mina nabangani bami sinemali ema-R63 seyiyokeye.

Sifuna ukuyaba ngokulingana hlangana nathi sobathathu.



Teacher:
Sign:
Date:

Amaphetheni weenomboro: ngakuthathu bekufike ku-800



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

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

Bala uye emuva ngakuhanu ukusuka ku-799 bewufike ku-903. Yinomboro yiphi eza ngaphambi kwaka-766 lokha nawubala ubuyela emuva.

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



Qedeleta ukulandelana kweenomboro.

703; 706; 709; _____ ; _____ ; _____ 799; 796; 793; _____ ; _____ ; _____



Hlanganisa nanyana ukhuphe okuthathu.

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

$$a. 766 + 3 = 769$$

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



2. Khupha okuthathu enomborweni onikelwe yona. Sewenzelwe isibonelo.

$$a. 766 - 3 = 763$$

b. 763

c. 789

d. 756

e. 713

f. 799

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



Qala iiyangi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyelela ngeeyangi? _____

b. Yelula ukulandelana kweenomboro

779; 776; 773; _____ ; _____ ; _____

ezilandelako:

782; 785; 788; _____ ; _____ ; _____

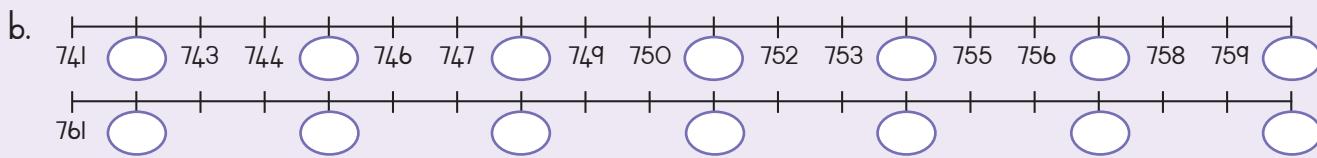
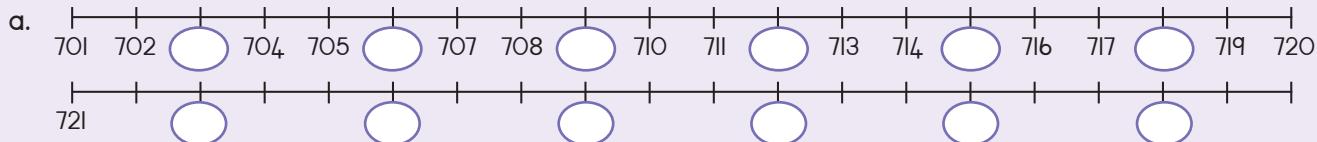
704; 707; 710; _____ ; _____ ; _____

779; 782; 785; _____ ; _____ ; _____

773; 776; 779; _____ ; _____ ; _____



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



Nginenomboro enamadjidi ama-3.



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



Teacher:
Sign:
Date:

Ukubuyabuyelela: ngakune bekufike ku-75

Ithemu 3

Ngikuphi okuza ngakune?

Amavili wekoloyi.



Qedelela itheyibula.

Mangaki amavili?

Ikoloyi eyo-1?

Inkoloyi ezi-2?

Inkoloyi ezi-3?

Inkoloyi ezi-4?

Inkoloyi ezi-5?

Inkoloyi ezisi-6?

Inkoloyi ezili-7?

Inkoloyi ezibu-8?

Inkoloyi ezili-9?

Inkoloyi ezili-10?

Madanisa isibalo kanye
nombuzo ongesinceleni:

$9 \times 4 = 36$

$7 \times 4 = 28$

$2 \times 4 = 8$

$4 \times 4 = 16$

$3 \times 4 = 12$

$5 \times 4 = 20$

$1 \times 4 = 4$

$10 \times 4 = 40$

$6 \times 4 = 24$

$8 \times 4 = 32$

Amabuthelelo

Ukubuyabuyelela

Ukwaba

Ukwahlukanisa

Amabuthelelo ali-12 wanga ku-4

$12 \times 4 = 48$

Yaba ama-48 nga ku-4

$48 \div 4 = 12$

Amabuthelelo ali-16 wanga ku-4

Yaba ama-64 nga ku-4

Amabuthelelo ali-18 wanga ku-4

Yaba ama-72 nga ku-4

Amabuthelelo ali-15 wanga ku-4

Yaba ama-60 nga ku-4



Qedelela itheyibula.

Ukwaba

Ukwahlukanisa

Yaba u-35 ngaku-4

$35 \div 4 = 8 \text{ isalela ngu-3}$

Yaba u-55 ngaku-4

Yaba u-70 ngaku-4

Yaba u-75 ngaku-4



Qedelela umgwalo owehlako.

okufakiweko

10
11
13
14
15

umphumela

umthetho

okufakiweko

q
12
16
17
8

umphumela

okufakiweko

16
32
44
60
72

umphumela

umthetho

okufakiweko

40
52
56
64
68

umphumela

umthetho



Qedelela itheyibula elingenzasi:

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

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

Uzisebenze njani iimpendulo ezingemabhlogweni ahlaza sasibhakabhaka?



Rarulula okulandelako:

Nginama-R75.

Zingaki izipho ezincani engingazithenga ngemali ema-R4?



Teacher:
Sign:
Date:

Inomboro zamaphethen: ngazine bekufike ema-800



Ungathini ngeenomboro ezingebhlogweni elinombala o-orentji?

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

Bala uye emuva ngakune ukusuka ku-800
ufijke ku-704. Ngiyiphi inomboro eza
ngaphambi kwaka-776 lokha nawubala ubuyela
emuva?

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



Qedelela ukulandelana kweenomboro.

704; 708; 712; _____ ; _____ ; _____

724; 728; 732; _____ ; _____ ; _____



Hlanganisa nanyana ukhuphe okune.

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

a. $764 + 4 = 768$

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



2. Khupha okune enomborweni onikelwe yona. Sewenzelwe isibonelo.

a. $764 - 4 = 760$

b. 768

c. 784

d. 752

e. 714

f. 798

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



Qala iiyangi ezihlaza sasibhakabhaka ebhodinileenomboro.

a. Ngikuphi okuyevelako ngeeyingi lezi?

Yelula ukulandelana kweenomboro ezilandelanako:

b. Yelula ukulandelana kweenomboro

$711; 715; 719;$ _____ ; _____ ; _____

ezilandelanako:

$783; 779; 775;$ _____ ; _____ ; _____

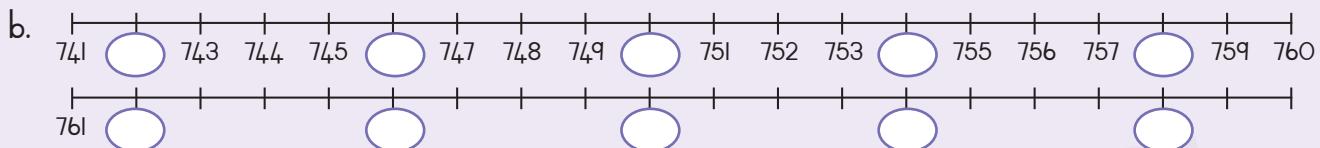
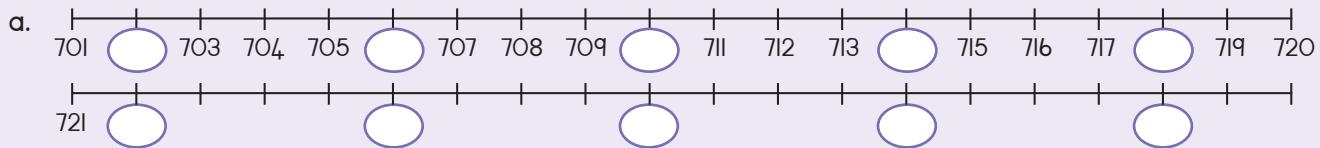
$703; 707; 711;$ _____ ; _____ ; _____

$799; 795; 791;$ _____ ; _____ ; _____

$773; 777; 781;$ _____ ; _____ ; _____



Qedeleta ngenomboro enembako esiyingini ngasinye
kumanambalayini alandelako.



Nginenomboro enamadjidi ama-3.

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



Ukubuyabuyeleta kanye

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



Ungakuphendula msinya kangangani okulandelako?

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



Faka umbala amabhlogo akunikela isibalo
esikunikela isalela.

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



Wazi njani kobana inomboro ingahlukaniseka:

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



Yehlukanisa bewuhlolise ipendulo yakho.

$$65 \div 3$$

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

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

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

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

$$21 \times 3 + 2$$

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

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

$$= 60 + 3 + 2$$

$$= 65$$

a. $49 \div 5$

b. $65 \div 5$



Rarulula okulandelako:

Kumele ukhambe uyokwenza irhubhululo.

Wazi njani kobana inomboro iyahlukaniseka ngaku-4?



qo



Ilanga:

Ithemu 3

Amatshwayo wezinto eziyi-3D



Qala iinthombe.

Khuluma ngelingaphezulu lezinto ezilandelako usebenzise amagama:
ukuba sipara nokugobana.

Amabholo



Amabhoksi



Amasilinda



Amaphiramidi



Amakhowuni



Qala iinthombe bese uqedelela imitjho nemibuzo.



a. Ibholo

b. Kungani ibholo
ingatjheleli?



c. Isilinda

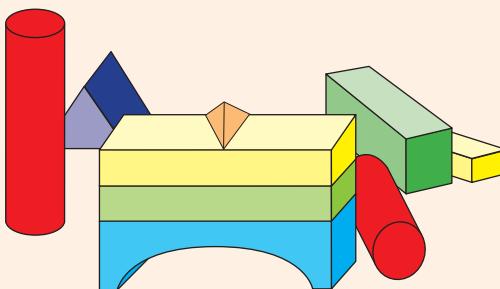
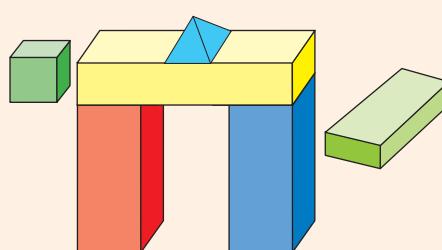
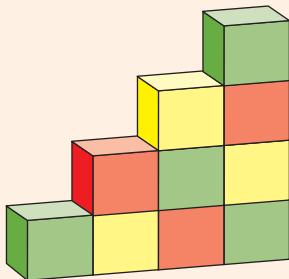
d. Ingabe isilinda
iyatjhelela?



Yitjho into esetjenzisiweko kesinye
nesinye isithombe.



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





Yitjho nangabe i-3D inelingaphezulu elisipara nanyana
eligobeneko.





Gwala okulandelako:

Ibhoksi libhalanse phezu kwesilinda.

Ibholo ibhalanse phezu kwesilinda.

Isilinda ibhalanse phezu kwebhoksi.



q

Ilanga:

Ithemu 3

Amakhithi wemitletlana yamacezu

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



Okupheleleko Sika iphepha le-5

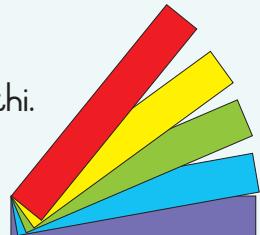
Phezu komtletlana owodwa tlola, "Okupheleleko"

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

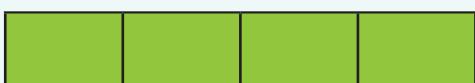
Tlola $\frac{1}{2}$ kenyenye ihafu bese usika lapha ubhince khona.

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

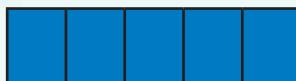
Kwanje linga ukwenza eminye imitletlana emibili, omunye utjengisa okukodwa kokuhlanu omunye utjengisa okukodwa kokubunane.



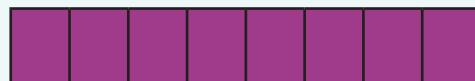
Okukodwa okupheleleko



Sebenzisa ikhithi yamacezwana wamacezu ukuphendula imibuzo.



Kungaki kwesihlanu okulingana nokukodwa okupheleleko?



Kungaki okukodwa kobunane okulingana nehafu?



Amacezu kunambalayini.

Umtletlana utjengisa okukodwa okupheleleko.

Okukodwa okupheleleko

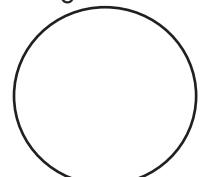
Isiyungi sitjengisa okukodwa okupheleleko.



Hlukanisa umtletlana ngeengceny zangokwesithathu.

Hlukanisa isiyungi ngeengceny zangokwesithathu.

Faka umbala ingceny yangokwesithathu.

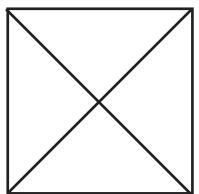


Faka umbala ingceny yangokwesithathu.

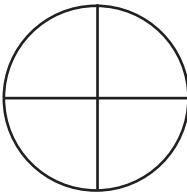


Khalara okulandelako:

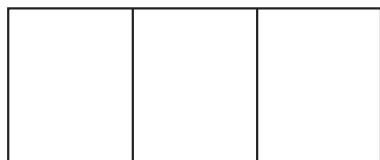
Ihafu eyodwa



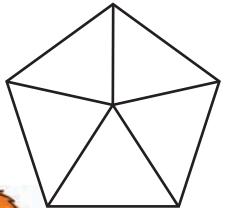
Amakota amathathu



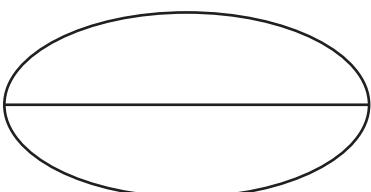
Iingceny e zimbili
zangakuthathu



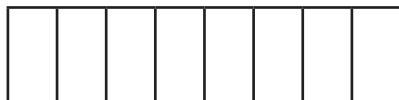
Iingceny e zine zangakuhlanu



Ihafu eyodwa



Amakota amathathu



Gwala okulandelako:

Amakota amathathu usebenzisa
isikwere.

Ihafu usebenzisa isiyangi.

Amacezu wangakuthathu amabili
usebenzisa uncantathu.

Amacezu wangakuhlanu amane
usebenzisa isiyangi.

Okune kokobunane usebenzisa
uncane.

Amacezu amabili wangakuthathu
usebenzisa irekthengela.



Lungisa ikhithi yakho.

- Sika esinye nesinye isiyangi seeyangi ezisi-6 kiboSika 6.
- Sika ezhilanu zeeyangi zibe ziinqetjhana emacaphazini.
- Leyibula icezu ngalinye:
 - Kelinye ihangothi tlola icezu le-iri elilodwa.
 - Kelinye ihangothi, tlola inani lemizuzu ecezwini lelo.



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Amanye amacezu



Tlola Iye nanyana Awa.

- Ihafu yihafu yokukodwa okupheleleko _____
- Ihafu yihafu yekota _____
- Ikota yihafu yehafu _____
- Ihafu namakota amabili kwenza okukodwa okupheleleko _____
- Ihafu nekota zenza amakota amathathu _____



Yaba iphayi.

USipho, uGugu, no-Andile kanye noLisa babelana iphayi.



a. u-Sipho



Ngilambile!
Ngifuna ihafu!



b.

Kulungile!
Nginekota.

u-Gugu



Gwala ingcenyeye yakaSipho.

c. U-Andile



Mina ngizakuthatha
ihafu yakolko
okuseleko.



d.

Ephayini njisalelwé
licezu elingangani?

u-Lisa

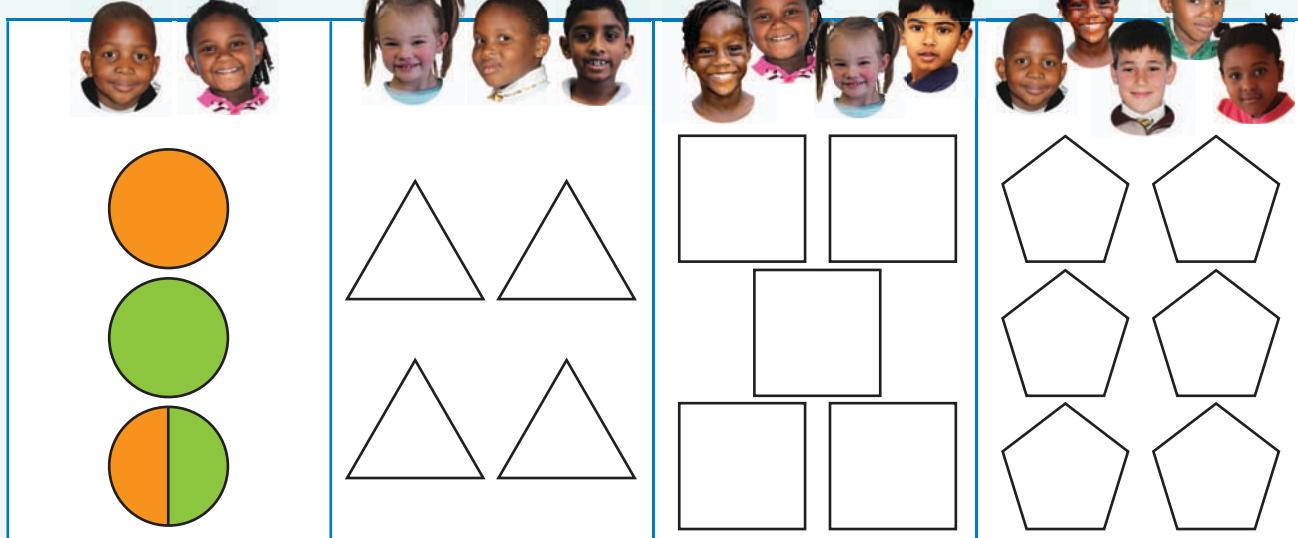


Gwala ingcenyeye yakaSipho, yakaGugu
neyaka-Andile.

Gwala iingcenyeye zoke abazabelene ephayini.



Yaba amabumbeko hlangana kwabentwana
ngokuthi uwale umuda bese uwufaka umbala.



Abangani abane babelana isiselo
esineengojwana ezihanu ngokulingana.

Omunye nomunye uzokufunyana
ezingangani?

Uthini umbuzo?

Zithini iinomboro?

Gwala isithombe.

Abangani abasithandathu babelana isiselo
esineengojwana ezili-9 ngokulingana.

Omunye nomunye uzokufunyana
ezingengani?

Uthini umbuzo?

Zithini iinomboro?

Gwala isithombe.

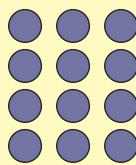


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Ilanga:

Ithemu 3

Lapha
kuneembalisi
ezili-12



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

Sithi lokhu yihafu
(eyodwa).



Sithi lokhu
yihafu (eyodwa).



Sabelana ngeembalisi esizabelane
sobabili ngokulingana.

Ngineembalisi
ezisithandathu.



Ngineembalisi
ezisithandathu.



Gwala iinthombe zalokhu okulandelako bese
uphendula imibuzo.

Abangani abathathu babelana amabholo
amathathu.



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

Abangani abane babelana amabholo alitjhumi
nambilu. abathathu babangani babesana.



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



UMandla uzokufunyana liphi icezu?
ULisa uzokufunyana liphi icezu?

Ibizo lami
nginguMandla.



- UMandla noLisa bazokufunyana amabholo amangaki?



Ibizo lami
nginguLisa.



- UMandla noLisa bazokufunyana amabholo amangaki?



Ukwaba amaswidi.

Abangani baba amaswidi. Omunye nomunye ufunyana $\frac{1}{2}$ (ihafu) yephakethe.

- a. Maphakethe amangaki abazowatlhoga ukuze bawabelane:

Abangani aba-4? _____ Abangani aba-6? _____ Abangani aba-9? _____

- b. Bangani abangaki abangabelana ngamaphakethe:

Ama-4? _____ Ama-10? _____ $3\frac{1}{2}$ wamaphakethe? _____

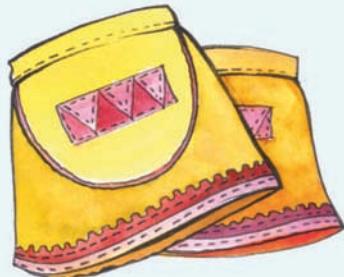


Iinkhetho zokudansa.

Umma nogogo bathunga iinkhetho zokudansa.

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

Itjhila libiza imali ema-R6 imitha.



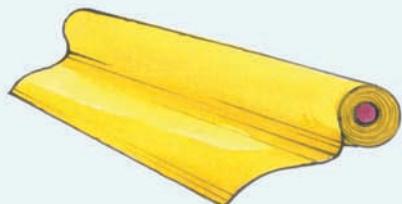
- a. Bangathunga iinkhetho ezingangani ngetjhila elilandelako?

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

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

- b. Bazokutlhoga itjhila elingangani ukuthunga iinkhetho?

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



- c. Libiza malini itjhila elithunga?

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

- d. Bangathunga iinkhetho ezingaki ngemali ema-

R450 _____ R825 _____ RI80 _____



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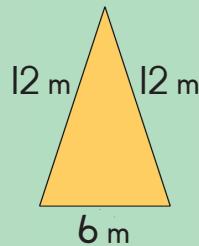
Ilanga:



Ibanga elizombako

Ithemu 3

Igama elithi ipherimitha litjho ubude nanyana ibanga elizombe into ethileko.



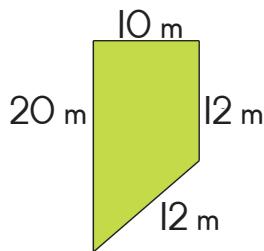
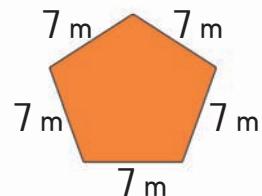
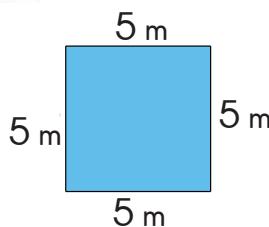
Umlimi uneplodi elingaba silinganiso sehlabathi enguncantathu.

Singafunyana ipherimitha yeplasi ngokuhlanganisa ubude bamahlangothi.

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



Funyana amapherimitha alandelako.



Isivande saka Veronica.

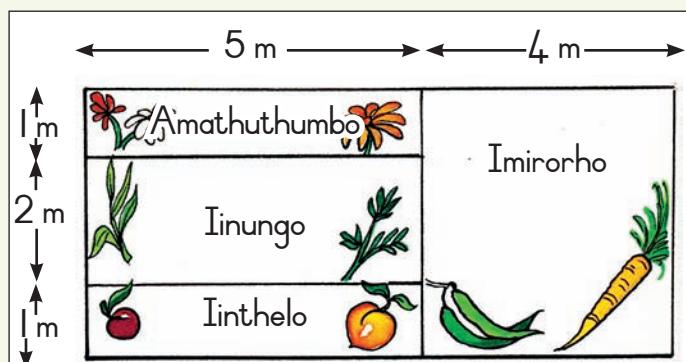
UVeronica ugwala isithombe sesivande afuna ukusitjala.

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

_____ kanye _____ zinepherimitha _____ m.

c. Kumele afunyane ifensi ezokubhoda isivande soke. Ifensi ibiza ama-R50 imitha ngayinye.

Izokubiza malini ifensi? _____





Hlela isivande sakho.

Sebenzisa igridi yephepha ekubo Sika 7 ukuhlela isivande sakho. Tjengisa koke lapha umede khona kanye neentjalo ongathanda kobana uztjale.

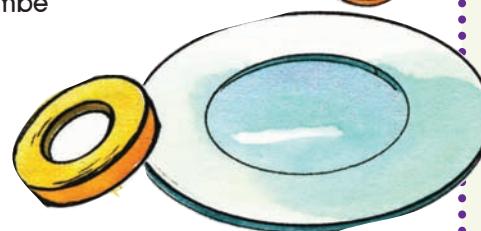
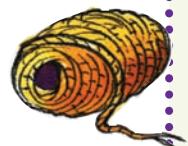


Ukumeda iiyungi.

Sebenza nomngani wakho.

Izinto enizozitlhoga: Izinto ezi-10 eziyindulunga zobukhulu obahlukeneko. Njengepaniki, isivalo sevaselina, intambo nesikere.

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



Ubude obubhoda isiyungi bubizwa ngesikhhamferensi/umzombe wesiyungi.



Ibanga ukuvundla isiyungi libizwa ngedayamitha.



Teacher:
Sign:
Date:

q5a

Ilanga:

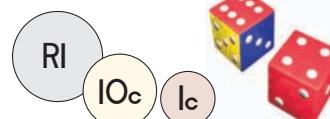
Ithemu 3

Ukuthengiselana ngemali

Dlalani imidlalo nomngani wakho.

Okutlhogako:

RIOO RIO



RIOO	RIO	RI	IOc	Ic

Ibhodi yemali (kiboSika 8), iphepha kanye nepensela, amadayisi amabili, imali yokudlalisa (ekuboSika 9): imali yephepha ema-RIOO kanye nama-RIO; Imali emumuwa ema-RI, IOc kanye neziinsende (Ic).

Beka ibhodi yemali etafuleni.

Ibhodi inemikhakha emi-5 esuka ngesinceleni iye ngesidleni, inemali ema-RIOO, RIO, RI, kanye nemali eziinsende ezili-IO (IOc). Emdlalweni lo, sisebenzisa amakhholomu ama-3.

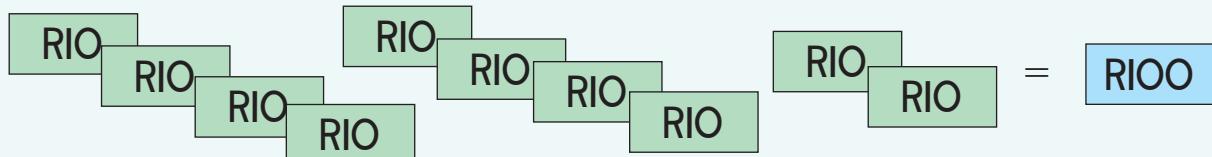


Hlanganisa bewufike e-IOO lamaranda.

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



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



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

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



Khupha ukusuka ku-RIOO ukufika ku-RO.

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

RIOO	RIO	RI	IOc	Ic



Ukuhlanganisa nokukhupha ukufika e-RI OOO.

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



Ukuhlanganisa ukufika e-RI.

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



Khupha iinsende.

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



q5b

Ilanga:

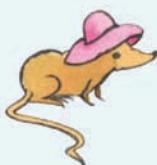
Asiye eentolo!

Ithemu 3



Lingwani ziyathengiswa.

Isitolo sithengisa iingwani ngamanani ama-5 ahlukahlukene.



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

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

Sezizoke iingwani, uzokubhadela malini? _____

Hholisa!
Madanisa!
Lungisa!

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

Ngiziphi ezinye iingwani azithengako? Tjengisa iimpendulo ezimbili ekungaba ngizo.

Ipendulo 1	Ipendulo 2



Ebhageni

UMusa usebenzisa iresephi yakhe yokubhaga i-sponge cake.



Iresephi ye-Sponge cake

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

- a. UMusu utlhoga ihlanganisela engangani nakubhaga amakhekhana asi-6.
 Sebenza ipendulo yakho.

Ikhekhe	Iflowuru	Amaqanda	Yetjhukela yoku-ayisa	Ikhrimu
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

- b. Thika (✓) ipendulo enembako.

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



Isibalo sokubala msinya.

Hlolisa!
 Madanisa!
 Lungisa!

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



qb

Ilanga:



Eminye imininingwana

Ithemu 3



Esitetjhini samapholisa.

Amapholisa amahlanu enza imisebenzi eyahlukene. Akuphi njenganje amapholisa?

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

Tlola amabizo walawo:

Asedeskini?

Apatrolako?

Asekhotho?



Ilanga lokutjalwa kwemithi.



Iinkolo ezihlalu ziphalisana ngokuthi ngisiphi esizokutjala imithi eminengi ngelanga le-Arbor Day.



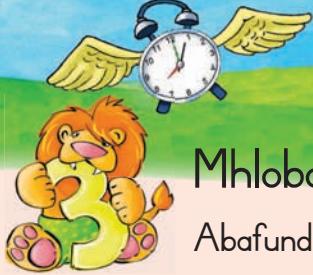
= 10 Imithi

eKlippspruit	
eMthonjeni	
eSonskyn	
eThuthong	
eMosiba	

Isikolo ngasinye sitjala imithi emingaki.

IKlippspruit	EMthonjeni	ISonskyn	IThutong	IMosiba

Isikolo satjala imithi emingaki seyiyo?



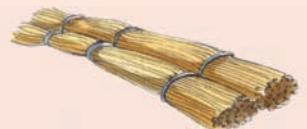
Mhlobo bani walokho ekufulelwe ngakho?

Abafundi bakaGreyidi 3 bayarhubhulula endaweni abahlala kiyo.

Bafuna ukuthola imihlobo eyahlukeneko yalokhoabantu abafulele ngayo.

Batjengisa imiphumela yabo ebbhlogweni leli.

Batlola ithiki eyodwa (✓) endlini ngayin ye abayibonako.



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

Mafulelo amangaki sele awoke neniwabalako? Ubukhulu beengwani

Ngamathayili _____ Ngotjani _____ Ngekhuni _____ Ngamasenge _____

Ngiwaphi amafulelo asetjenziswa khulu endaweni le? _____

Mafulelo amangaki sele awoke neniwabalako? _____



Ubukhulu beengwani.

Abesana esikolweni esibizwa ngokuthi kuseJuma, bambatha iinkepisi zesikolo.

Iinkepisi lezo ziza ngobukhulu obulanelako: u-2, 3 no-4.

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



Bala kobana bafundi abangaki abembatha ubukhulu ngabunye.

2 _____ 3 _____ 4 _____

Ngibuphi ubukhulu obuvamileko? _____

Hlolisia!
Madanisa!
Lungisa!

Teacher:
Sign:
Date:

97



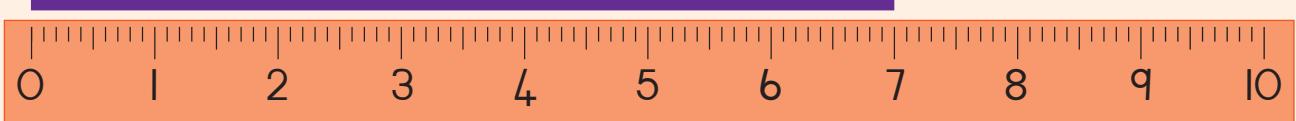
Ilanga:

Ithemu 4



Ukusebenza ngamasenthimitha

Umuda onombala mude kangangani?



Kokuthoma linganisa imida bese ugcina ngokuyimeda.
Qedelela itheyibula.

Umuda	Ukulinganisa	Ukumeda	Umehluko hlangana kokulinganisa kanye nokumeda.



Sebenzisa irula ukuthala imida elandelako.

a. 10 cm

b. 7 cm

c. 15 cm



Yitjho kobana ungasebezisa amamitha nanyana
amasenthimitha ukulinganisa.

a. Ubude bencwadi _____

b. Ubude bomnyango _____

c. Ubude bepensela _____

d. Ubude bakho _____

e. Ubude bomuno wakho _____

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



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

Ngemuva kokuzisebenzisa ubude bepensela ebovu bobulingana ama-7 cm, ehlazakwesibhakabhaka
ama-5 cm, ehlazakotjani ama-6 cm, esarulani ama-11 cm, ephephuli ama-12 cm, e-orenji ama-9 cm,
ebhraweni ama-14 cm, enzima ama-8 cm, epinki ama-13 cm kanye nemhlophe ama-15 cm



a. Ngiyiphi ipensela oyisebenzise khulu? _____

b. Ngiyiphi ipensela oyisebenzise kancani? _____

c. Tlola ubude beempensela zakho kusukela kefitjhani
ukuya kede _____



98

Ilanga:



Iinomboro 700 ukufika ku-800

Ithemu 4



Bala bese uyatlola.

- a. Bala ukusuka ku-700 – 800.

Phimisa iinomboro nawulokhu ubala.



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

- b. Tlola iinomboro ezitlhayelako egreditini engehla.

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

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

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

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

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

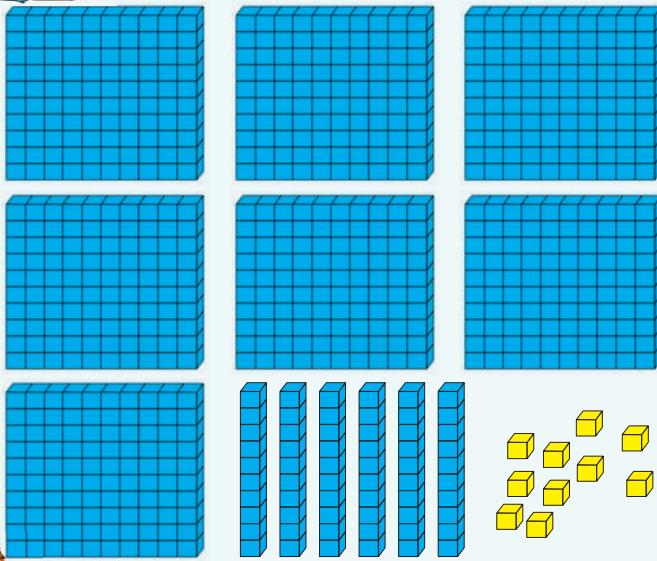
751; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 773

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

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



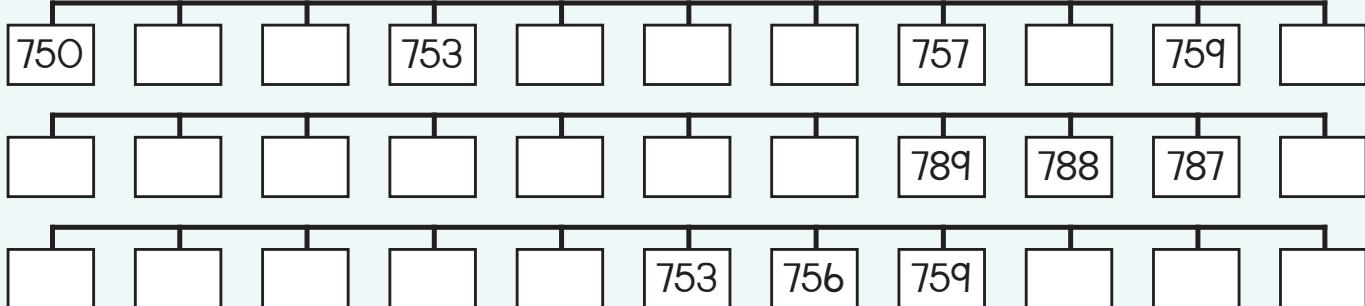
Ubale amabhlogo amangaki?



Uwabale njani amabhlogo?



Qedelela amanambalayini.



Qedelela
itheyibula.

Tlola ukusuka kencani
khulu uye kekulu khulu

Tlola ukusuka kekulu
khulu uye kencani khulu

776, 772, 779, 770, 778

736, 703, 730, 713, 703



Tlola iinomboro ezilandelako ngamagama.

788

Teacher:
Sign:

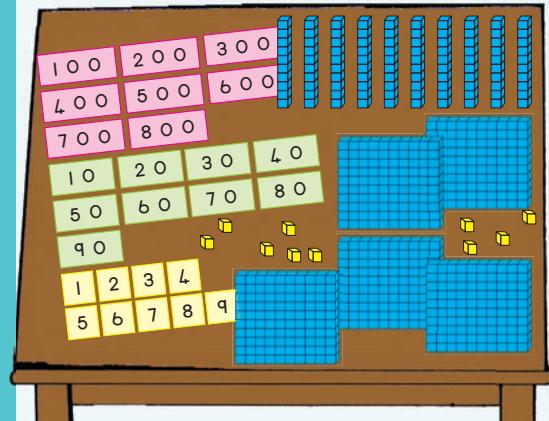
Date:

qq

Ezinye iinomboro

kusuka ku-700 kufika ku-800

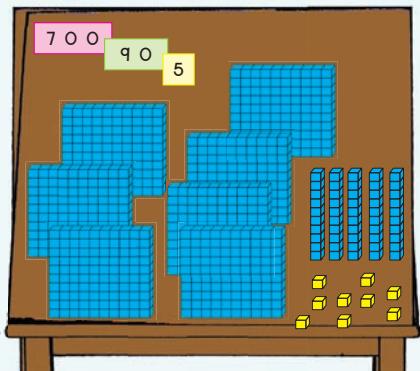
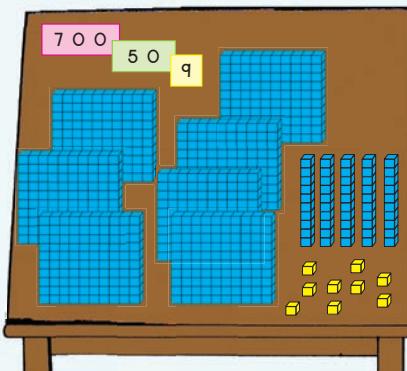
Ithemu 4



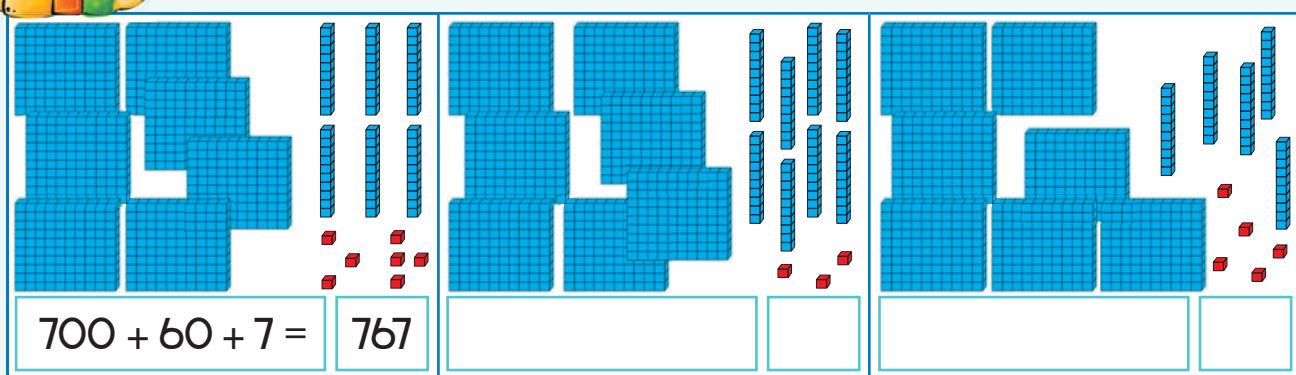
UPeter unamakarada wobukhulu
bedijidi kanye namabhlogo
wamatjhumi asisekelo.

Utitjhere ubawe uPeter ukutjengisa
inomboro 759 ngamakarada wakhe
kanye nangamabhlogo.

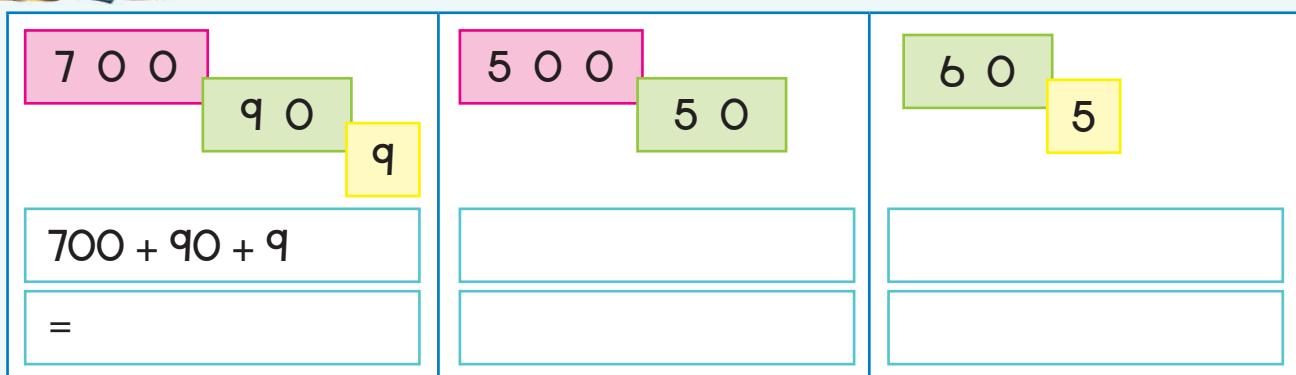
Ngilokhu okutjengiswe nguBen.
Ngikuphi okungakalungi
akwenzileko?



Tlola umutjho weenomboro bese uyaphendula.



Tlola umutjho weenomboro bese uyaphendula.





Qedelela inambalayini.

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

Nikela zoke iinomboro ezincani khulu kunenomboro 795 _____

Nikela zoke iinomboro ezikulu khulu kunenomboro 795. _____



Tlola itshwayo < nanyana > =

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



Hlephula kghedlha inomboro yakho.

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

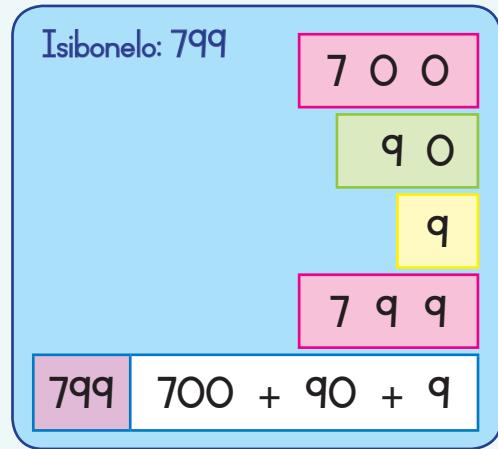
790	
689	
699	
755	
690	



Tlola amabizo weenomboro.

668	
757	
799	
742	
691	

Isibonelo: 799



100

Iinomboro 800 kufika ku-900

Ithemu 4



Bala bewutlole!

a. Bala ukusuka ku-800 – 900.

Phimisa iinomboro nawulokhu ubala.

Ilanga:



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

- b. Tlola iinomboro ezitlhayelako egridini engehla.
c. Tlola iinomboro ezili-10 eziza ngemva kwaka-800.

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

- d. Tlola iinomboro ezibu-8 ezilandelako ngephetheni yangaku-2.

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

- e. Tlola zoke iinomboro ngephetheni yangaku-2 ukusuka ku-807 ukufika ku-829.

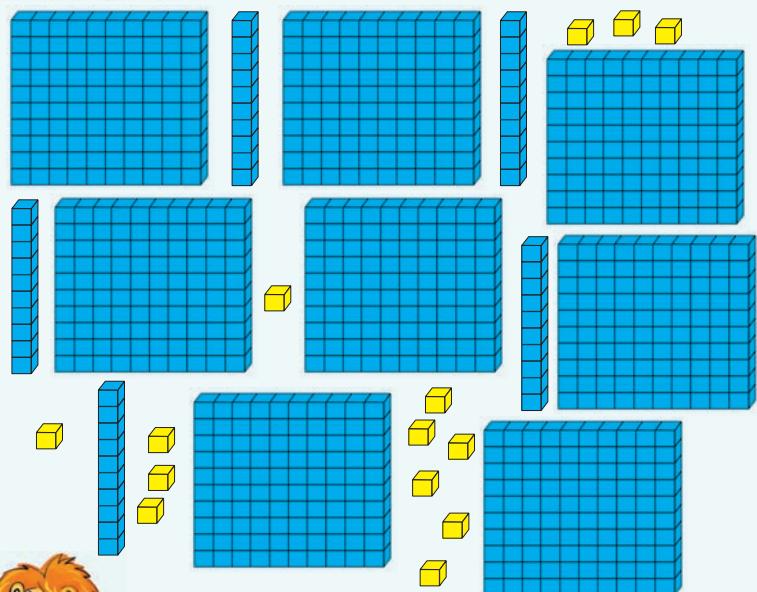
807; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 829

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

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



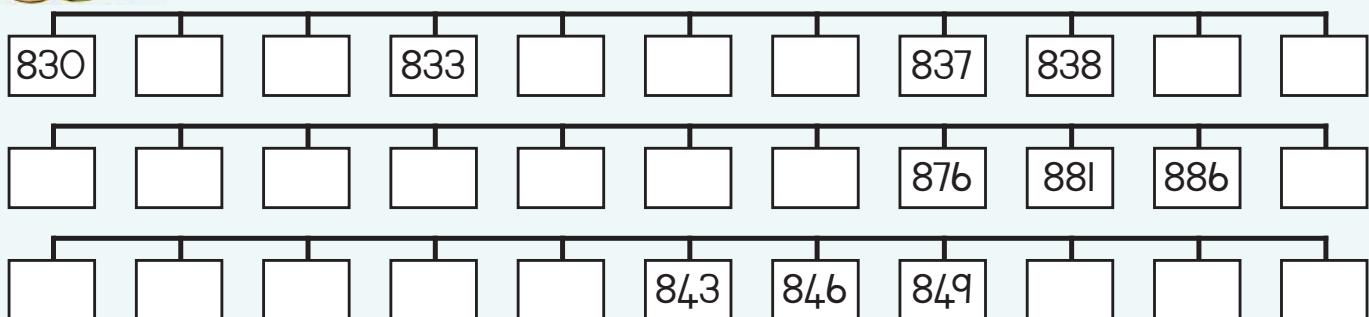
Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela amanambalayini.



Qedelela
itheyibula.

Tlola ukusuka kencani
khulu uye kekulu khulu

Tlola ukusuka kekulu
khulu uye kencani khulu

856, 853, 855, 851, 857

898, 801, 810, 819, 891



Tlola iinomboro ezilandelako ngamagama.

845

Teacher:

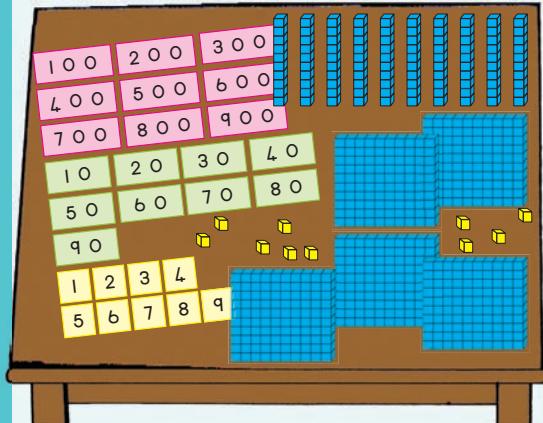
Sign:

Date:

Ezinye iinomboro

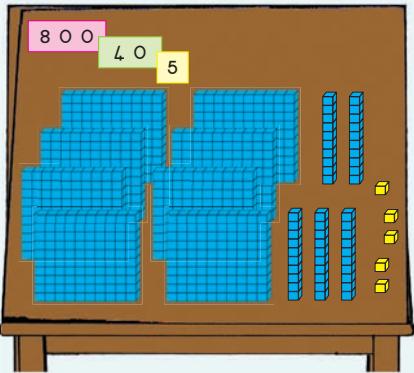
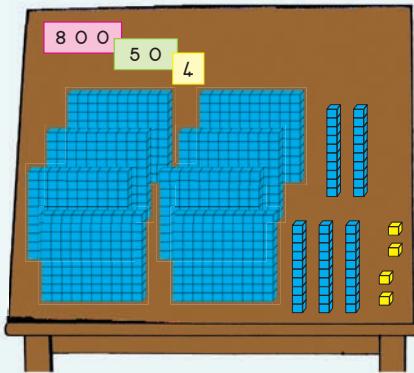
kusuka ku-800 kufika ku-900

Ithemu 4



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

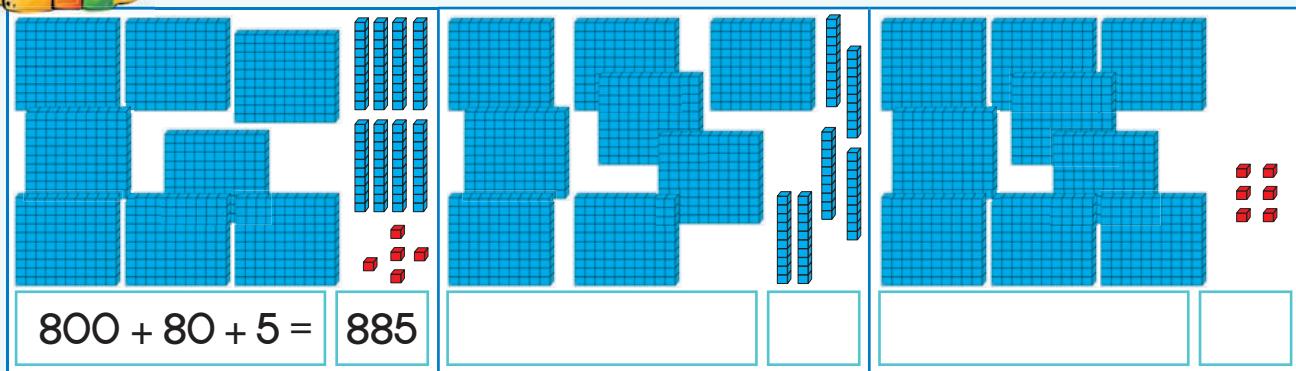
UBen utjengise lokhu. Ngikuphi akwenzileko okungakalungi?



UPeter unekarada elilandelako lobukhulu bedijidi kanye namabhlogo wamatjhumi asisekelo.



Tlola umutjho weenomboro bese kulandele ipendulo yakho.



Tlola umutjho weenomboro kanye nependulo yakho.

800

50

2

$$800 + 50 + 2$$

=

800

90

7

800

3



Qedelela inambalayini.

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

Tlola zoke iinomboro ezincani kunenomboro 894.

Tlola zoke iinomboro ezikulu kunenomboro 894.



Tlola itshwayo < nanyana > =

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



Hlephula kghedlha inomboro yakho.

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

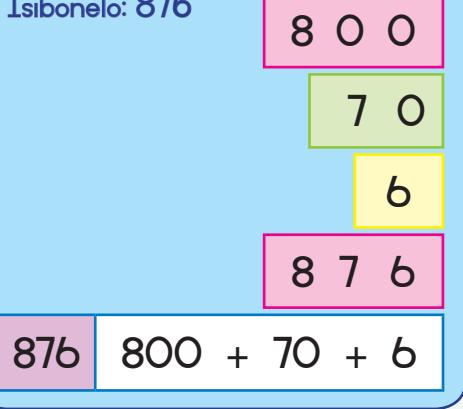
890	
889	
802	
855	
840	



Tlola ngamagama.

889	
825	
803	
830	
899	

Isibonelo: 876





Ukukala/Ukumeda izinto



Qala iinthombe ezilandelako bese uphendula imibuzo.



- Ingabe isibha sepuyere esiyi-1 kg silula nanyana sibudisi khulu kunesibha sepuyere esiyi-2 kg?
- Ngikuphi okulula khulu: Ukudla okumakaritjha okungebhoksini elinobudisi obuma-500 g nanyana iphakethe yamabhiskiti ema-200 g?
- Ngikuphi okubudisi khulu: Isizeso sesikhumba esima-100 g nanyana iphakethe eyi-1 kg yesitampa?



Sisoke sikala ubudisi obungangani?

Ngikala 25 kg, umngani wami ukala 29 kg bese kuthi umnakwethu akale 45 kg.



Imikhiqizo sele iyoce ikala kangangani?

Umkhiqizo wokuthoma ukala 1 kg 500 g, umkhiqizo wesibili ukala 3 kg 500 g kuthi wokugcina ukale 2 kg 500 g.



Qala iinthombe bese uphendula imibuzo.

Isilinganiso esima-1,5 kg
siyafana ne-1 kg kanye
ne-500 g.



I-2,5 kg iyafana ne-2
kg kanye ne-500 g.



Ngingatlolola njani ama-3,5 kg
ngamakhilogramu nanyana
ngamagramu?



Qedelela itheyibula.

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

Into	Ukulinganisa	Ukumeda	Umehluko hlangana kokulinganisa nokumeda



Imikhqizo ikala kangangani?

Into Umkhqizo wokuthoma ukala 2 kg 500 g, umkhqizo wesibili ukala
1 kg 500 g kuthi wokugcina ukale 3 kg 500 g.



102b

Ilanga:



Asikale okhunye godu

Ithemu 4

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

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

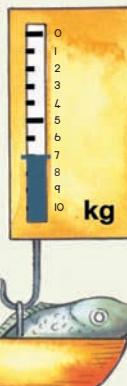
Ephasini sisebenzisa ngamalanga iinlinganiso ezifanako kumasi nanyana ebudisini.

Simedha/Silinganisa imasi ngamakhilogrammu kanye namagremu.

Iinlinganiso/Iinkala ezahlukenecho

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

Ilitha yamanzi inemasi eli-1 kg.

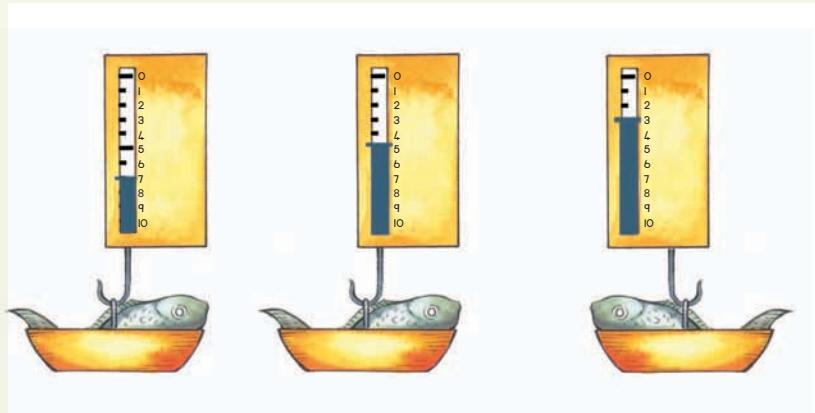
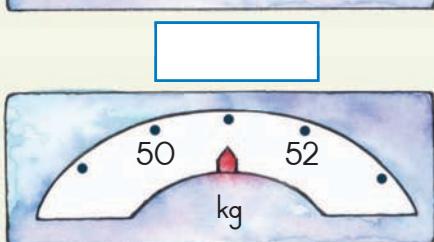
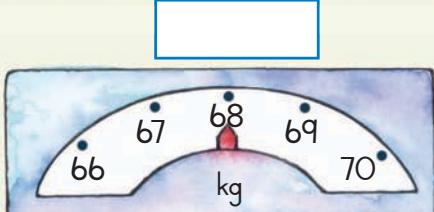
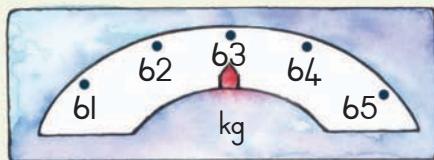


Ihlambi inobudisi obuma-3 kg.



Funyana ubudisi babo.

Tlola ubudisi ngamakhilogrammu atjengiswe kesinye nesinye
isikala sesipringhi ezilandelako.

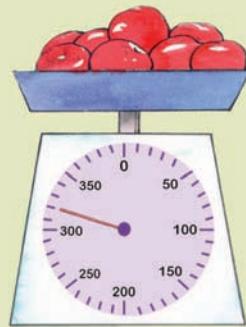




Sisebenzisa amagremu ukumeda imasi yezinto ezincani nanyana ezilula kanye nokumeda amacezu wamakhilogremu.

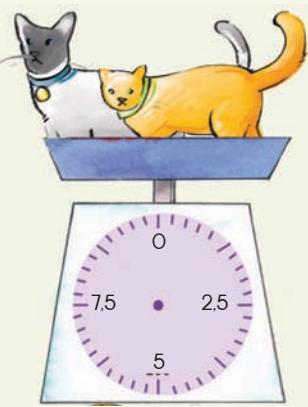
$$1000 \text{ g} = 1 \text{ kg}$$

Esikaleni sesipringhi lesi, omunye nomunye umuda omncani unobudisi bamagremu ali-10. Amatamati akala amagremu ama-320.



Lokhu kukala kangangani?

Njalo gwala umkhonto wesikala ngapho okufanele uye ngakhona.



7 kg



4 kg



6 kg



Yenza ikhilogremu.

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

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



Iinomboro 900 kufika ku-1 000



Bala bese uyatlola.

a. Bala ukusuka ku-900 – 1 000.

Phimisa iinomboro nawulokhu ubala.

901		903							910
								919	
		943						948	
981									
991								999	



- b. Tlola iinomboro ezitlhayelako egridini engehla.
c. Tlola iinomboro ezili-10 eziza ngemva kwaka-900.

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

- d. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-2.

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

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

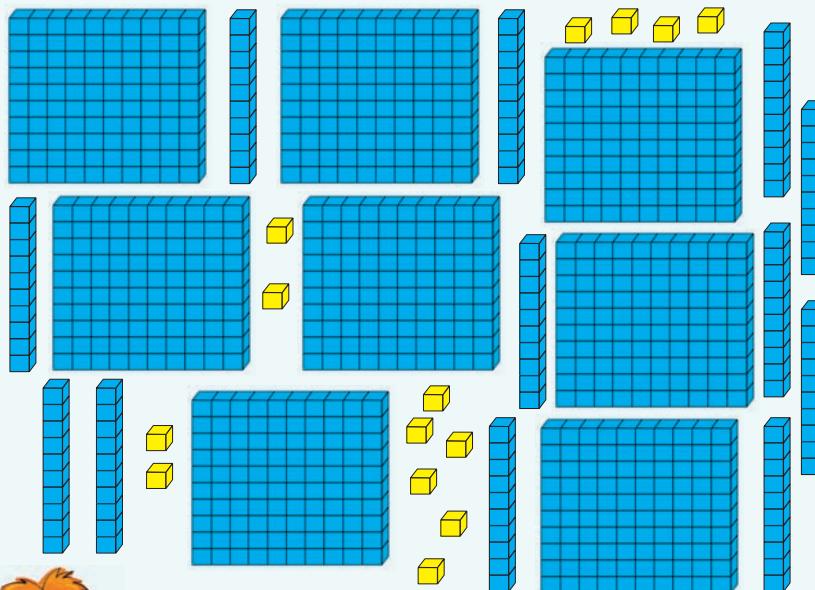
945; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 967

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

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



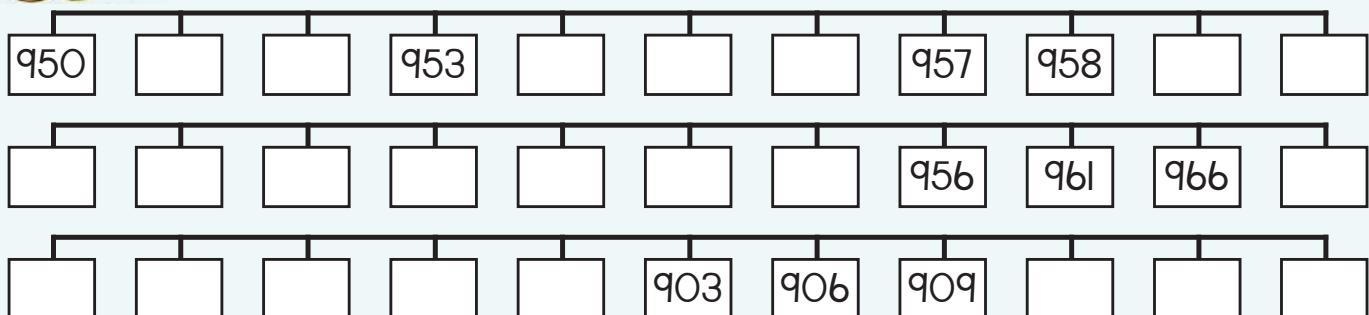
Ubale amabhlogo amangaki?



Uwabale njani amabhlogo?



Qedelela amanambalayini.



Qedelela
itheyibula.

Tlola ukusuka kencani khulu
kuye kekulu khulu

Tlola ukusuka kekulu khulu
uye kencani khulu

936, 933, 935, 931, 937		
-------------------------	--	--

978, 907, 970, 917, 971		
-------------------------	--	--



Teacher:

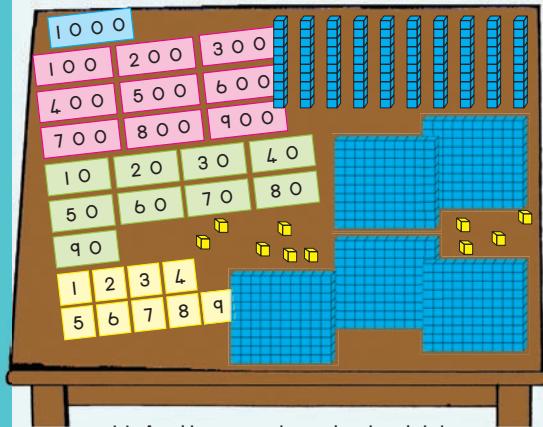
Sign:

Date:



Tlola okulandelako ngamagama.

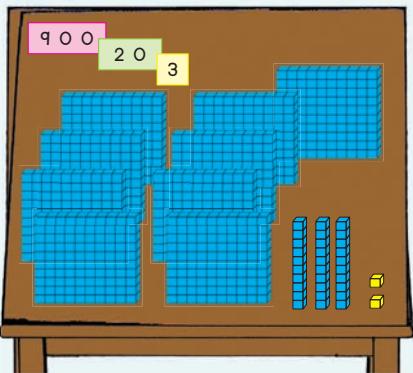
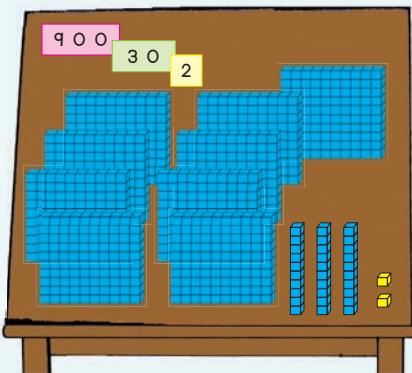
695	
-----	--



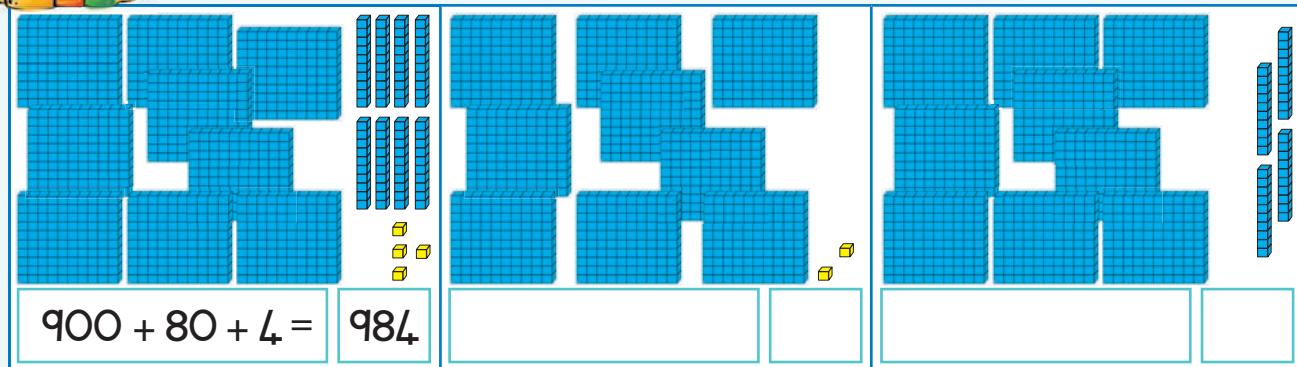
U-Andile unamakarada alandelako
wobukhulu bedijidi kanye namabhlogo
wamatjhumi asisekelo.

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

Lokhu ngokutjengiswe nguGugu.
Ngikuphi okungakalungi
akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.



Tlola umutjho weenomboro bese utlola ipendulo.

900

90

9

$$900 + 90 + 9$$

=

900

20

900

8



Qedelela inambalayini.

989 990 991 999

Nikela zoke iinomboro ezincani kune-995. _____

Nikela zoke iinomboro ezikulu kune-995. _____



Qedelela ngetshwayo < nanyana > =.

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



Hlephula kghedlha inomboro yakho.

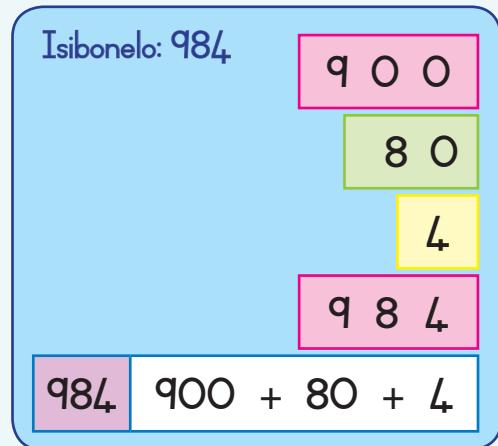
- a. Yakha enye nenyen inomboro ngamakarada wakho.
b. Tlola ubungako bedijidi. Kwanje yenza lokhu: Kghedlha/Hlephula inomboro yakho.

922	
959	
980	
907	
931	



Tlola amabizo weenomboro.

976	
905	
950	
821	
909	



105

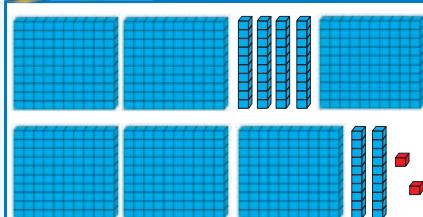
Ukuhlanganisa nokukhupha kufika ku-qqq

Ilanga:

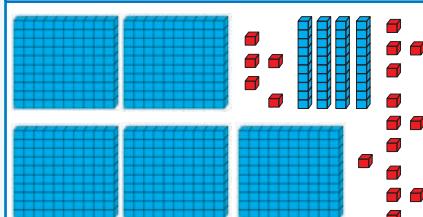
Ithemu 4



Tlola umutjho weenomboro kilokhu okulandelako.



Hlathulula kobana uwabale njani amabhlogo?



Hlathulula kobana uwabale njani amabhlogo?



Sebenzisa isibonelo ukuze sikuhlahle.

5 0

5 0

U-50 nakabuyeletwe kabilo
ipendulo li-100.

3 0 0

3 0 0

2 0 0

2 0 0

3

3



Sebenzisa pheze okubuyeletwe kabilo ukurarulula okulandelako.

Sebenzisa isibonelo ukuze sikuhlahle.

a. $43 + 44 =$

buyelela kabilo $43 + 1$

$43 + 43 + 1 = 87$

b. $81 + 41 =$

c. $40 + 41 =$

d. $66 + 67 =$



Sebenzisa okubuyeletwe kibili nanyana
okuseduze kokubuyeletwe kibili ukurarulula
okulandelako. Sebenzisa isibonelo ukuze sikuhlahle.

a. Inomboro ema-340 nayibuyeletwe kibili
 $= 340 + 340$
 $= \text{Buyelela kibili } 340$
 $= 300 + 300 + 40 + 40$
 $= 600 + 80$
 $= 680$

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

c. $470 + 470$

d. $461 + 462$



Rarulula okulandelako:



Abafundu bamaGreyidi 2 babuthelele amamabula ama-360.

Abafundu bakaGreyidi 3 babuthelele amamabula alinani eliphasi kunabafundi bamaGreyidi 2, babuthelele amamabula ama-216.

Abafundu bakaGreyidi 3 banamamabula amangaki?



Teacher:	<input type="text"/>
Sign:	<input type="text"/>
Date:	<input type="text"/>



Ilanga:

Kwangendlini



Ilanga lokubhaga.

Ukghari uPhindi ubhaga uburotho nge-ovenini yakhe.

Tjengisa isikhathi emawatjhini alandelako.

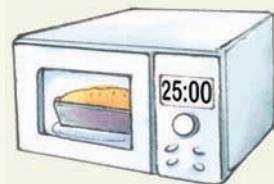
Ukhupha uborotho lokha imizuzu imihlanu
ngemva kwe-iri lesihlanu.

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

Uburotho buthatha isikhathi esingangani ukuvuthwa?



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



Kwanje isikhathi sithi 16:30. Qala isikhathi sokupheka esibekwe
ewatjhini yemakhro-oveni.

Uburotho buzokulunga ngemva kwesikhathi esingangani?

Imakhro-oveni imsinya kangangani kune-oveni? Imsinya ngemizuzu



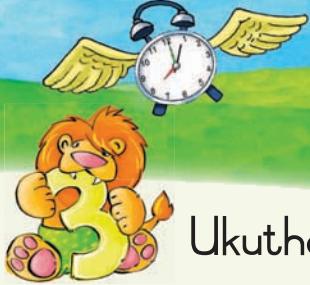
Umsebenzi wekuseni.



NgoMqqibelo ekuseni uMusa noPalesa
basiza unina ngomsebenzi wangendlini. Ingabe omunye nomunye
uthatha isikhathi esingangani ngomsebenzi awenzako?



	Ukuthoma	Ukuqedu	Kuthatha isikhathi esingangani?
Isidlo sekuseni	6:15	6:40	
Ukuhlanza izitja	7:20	8:05	
Ukuhlwengisa ikhwitjhi	8:20	9:15	
Ukuhlwengisa indlwana yokuhlambela	10:00	10:25	
Ukuhlwengisa amakamero	11:30	12:15	



Ukuthelelela isivande.

Iphayiphi lokuthelelela lingasebenzisa amalitha ama-30 ngomzuzu munye!

Malitha amangaki wamanzi angasetjenziswa liphayiphi:

Emizuzwini emi-2, amalitha _____.

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

Emizuzwini emi-5, amalitha _____.

Emizuzwini eli-10, amalitha _____.



Ukupheka isitjulo.

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

Utlola phasi kobana usebenzisa amafutha wokupheka angangani ngelanga.

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

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

_____ ml

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

c. Ibhoddlelo eliodwa lesilinganiso sa-750 samamililitha (ml) libiza ama-R18,50.

Amabhoddlelo ama-4 abiza malini? _____ .



Hlolisa!
Madanisa!
Lungisa!



Ukusebenza ngemali



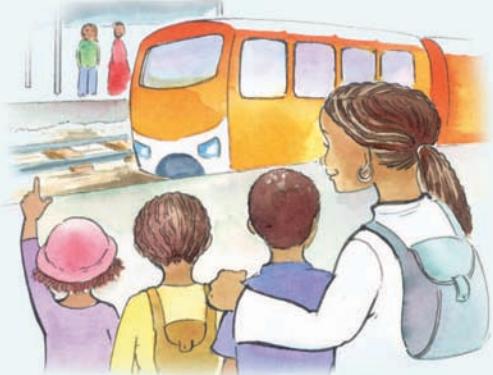
Bala imali yesimbi/emuemuwa kanye neyamaphepha.

$10 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}50 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}50 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}50 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}100 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}100 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}100 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}200 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}200 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}200 = \text{R} \underline{\hspace{2cm}}$
$100 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}50 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}100 = \text{R} \underline{\hspace{2cm}}$
$100 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}100 = \text{R} \underline{\hspace{2cm}}$	



Ikhampo ngesitimela.

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



Ufunyana itjhentjhi ema-R30.

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

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

Hlolisa!
Madanisa!
Lungisa!



Isiphaza sakaSandile.

USandile ugcina amarikhetho wemali ayirholako etheyibuleni.

Kokuthoma uyalinganisa bese uyabalisia ingeniso yakhe yaqobe ngelanga.

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

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



Bala kobana yimalini itjhentjhi.

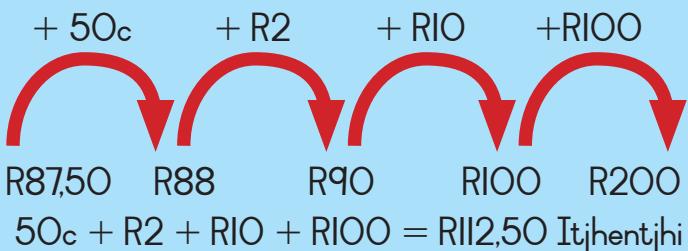
Ukufunyana itjhentjhi yakho ungahlanganisa kobana izinto zibiza malini bekufike lapha ubala imali yamaphepha eseleko noyiphetheko.

Isibonelo:

UPalesa uthenga ukudla ngemali ema-R87,50

Ubhadela ngemali eliphepha ema-R200.

Yimalini itjhentjhi yakhe?



Sebenzisa amanambalayini ukuze akusize ukubala itjhentjhi.

Iindleko:

R229,40



Bhadela

ngama-:



Iindleko:

R305,60



Bhadela

ngama-:





Okhunye ukuhlanganisa kanye nokukhupha bekufike ema-qqq



Asirarulule isibalo.

UGugu ubuthelele iintika ezima-234

UMandla umuphe ezinye ezima-501

Kwanje uGugu sele aneentika ezingaki?

Uthini umbuzo?

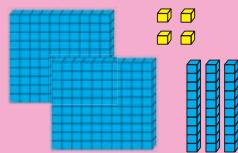
Kwanje sele aneentika ezingaki?

Lithini igama eliqakathekileko? **eingezelelweko**

Zithini iinomboro? **234 ne-501**



Lokhu kwenziwe nguLisa
ukurarulula isibalo sakaGugu.

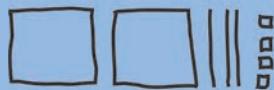


Asitjengise lokhu ngamabhlogo wethu
asisekelo wamatjhumi.



U-Aakar wenze lokhu.

Wenze umgwalo.



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

Sebenzisa inomboro emrarweni ukusombulula okungenzasi ngeendlela ezimbili ozifundileko bekube nje.

Indlela yoku-1

Indlela yesi-2



Imisebenzi eyenziwa ekuseni.



UThembi ubuthelela izinto ngehlelo lesikolo lokubuyekza izinto ezingasetjenziswa godu. Ubuthelele amabhollelo wamoplastiki ama-624 namathini ama-268. Ubuthelele okungaki sele kukoke?

Uthini umbuzo?

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

Isitolo sineempaka ezima-900 zeswigiri. Ngemva kokuthengisa ezinye iimpaka, sisele ngeempaka zeswigiri ezima-659. Isitolo sithengise iimpaka zeswigiri ezingaki?

Uthini umbuzo?

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



109

Ilanga:

Okhunye ukuhlanganisa nokukhupha ukufika ku-qqq

Ithemu 4

Qala imigwalo bese uyahlathulula.



a. $223 + 223 =$ _____.

b. $160 + 160 =$ _____.

c. $115 + 115 =$ _____.

d. $315 + 315 =$ _____.

e. $117 + 117 =$ _____.

f. $450 + 450 =$ _____.

g. $112 +$ _____ $= 224$

h. $116 +$ _____ $= 232$



Tlola iinomboro.

a. Ama-523 nakangezelwe nge-12

b. Ama-540 nakaphungulwe nge-15

c. Ama-576 nakangezelwe ngama-20

d. Ama-590 nakaphungulwe ngama-60

e. Ama-537 nakaphungulwe ngama-29

f. Ihafu yama-300, ipendulo

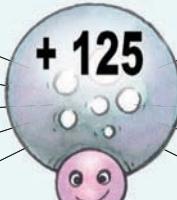
g. Ama-420 nakabuyeletwe kibili ipendulo

h. Ihafu yaka-600, ipendulo-



Hlanganisa ne-125.

200
150
125
250
400



325



Ngikuphi ekwenza i-1 000?

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

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

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



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

Hlolisa!
Madanisa!
Lungisa!



Hlanganisa bewususe amatjhumi kanye namakhulu.

a. Amatjhumi kanye namakhulu

$78 + 10 =$	$149 + 10 =$	$456 + 100 =$	$987 + 10 =$
$636 + 100 =$	$801 + 100 =$	$727 + 100 =$	$612 + 10 =$
$456 - 10 =$	$749 - 100 =$	$829 - 100 =$	$987 - 10 =$
$875 + 10 =$	$709 - 100 =$	$815 + 10 =$	$903 - 100 =$

b. Amatjhumi apheleleko (Ukubuyabuyelela nge-10)

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

Rarulula okulandelako:

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



110

Ilanga:

Amaphazeli wokumeda/wokulinganisa

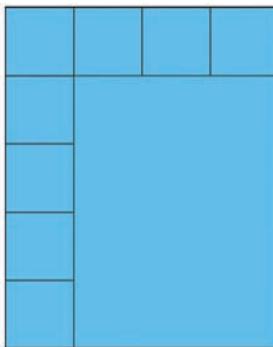
Ithemu 4



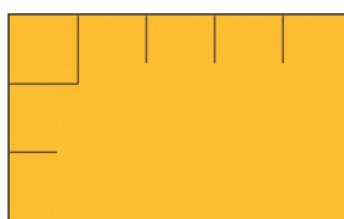
Funyana i-eriya.

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

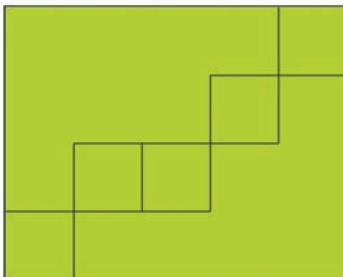
a.



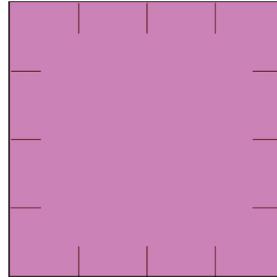
b.



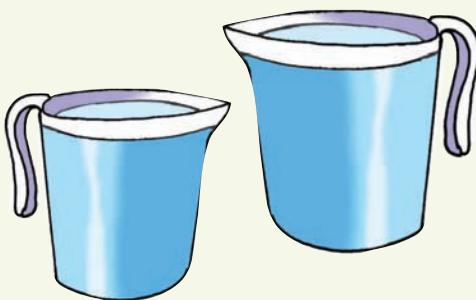
c.



d.



Rarulula isirarejo.



Ufuna ukumeda amalitha wamanzi ama-4 poro.

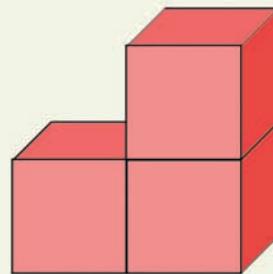
Uneemumathi ezimbili kwaphela: esinye simumatha amalitha ama-3 bese kuthi esinye simumathe amalitha ama-5.
Wenza njani?

Umtlhala: okungenani kuneendlela okungizo ezimbili.



Ubona ini?

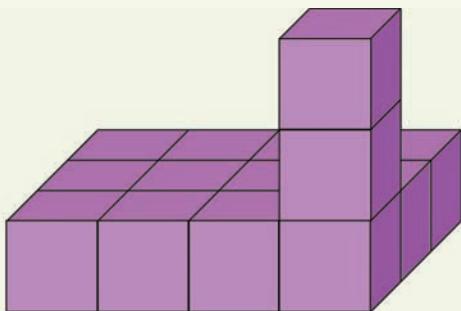
Amabhlogo amathathu ananyathisewa ndawo yinye njengesithombeni.



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



Bala amakhubhu.



Makhyubhu amangaki enze ijamo elilandelako?



Isitjhijilo: isirarejo sesikhathi

Uneensemjenzisa ezimbili ezicupha isikhathi.

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

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

Hholisa!
Madanisa!
Lungisa!





Ilanga:

Amaphetheni weenomboro: amatjhumi ukufika ku-900

Ithemu 4

Asibale ngokulityjhumi ukusuka ku-810 ukufika ku-900.

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



Iinomboro ezindulungelweko zisitjengisa yiphi iphetheni?

Ezindulungelwe ngokubovu : Ukubala ngaku- _____.	Tlola phasi iphetheni: _____
Ezindulungelwe ngokuhlaza satjani: Ukubala ngaku- _____.	Tlola phasi iphetheni: _____



Balisia.

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



Zingaki iingojwana?

Kuneengojwana ezilitjhumi enyandeneyodwa.



1		=	iingojwana
2		=	iingojwana
3		=	iingojwana
4		=	iingojwana
5		=	iingojwana
6		=	iingojwana
7		=	iingojwana
8		=	iingojwana
9		=	iingojwana
10		=	iingojwana

10		=	iingojwana
20		=	iingojwana
30		=	iingojwana
40		=	iingojwana
50		=	iingojwana
60		=	iingojwana
70		=	iingojwana
80		=	iingojwana
90		=	iingojwana
100		=	iingojwana



Imida yeengojwana.



Kuneenyanda ezilitjhumi zeengojwana emudeni ngamunye = neengojwana ezili-100

$$\text{Umuda owo-1 weenyanda ezili-10} \div \text{iingojwana ezili-100} \quad 10 \times 10 = 100$$

$$\text{Imida emi-2 yeenyanda ezili-10} \div \text{zeengojwana} \quad 20 \times 10 =$$

$$\text{Imida emi-4 yeenyanda ezili-10} \div \text{zeengojwana} \quad 40 \times 10 =$$

$$\text{Imida eli-10 yeenyanda ezili-10} \div \text{zeengojwana} \quad 100 \times 10 =$$



Ziinyanda ezingaki?

Iingojwana ezima-700 zibopha iinyanda _____.

Iingojwana ezima-900 zibopha iinyanda _____.

Iingojwana ezili-1 000 zibopha iinyanda _____.



112



Ilanga:

Ukutjhideza eduze ne-10

Ithemu 4

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



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



Tjhideza eduze kwe-10.



U-114 nakatjhidezwe eduze kuba?



U-117 nakatjhidezwe eduze kuba?



U-159 nakatjhidezwe eduze kuba?



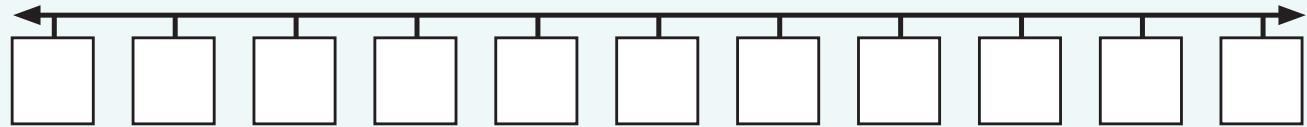
U-151 nakatjhidezwe eduze kuba?



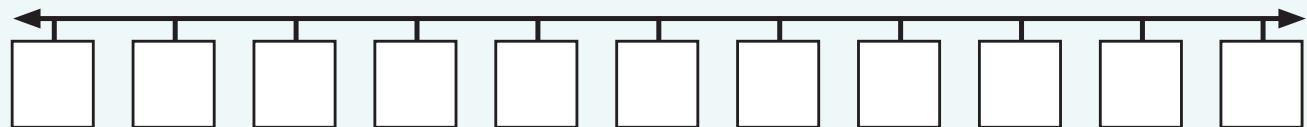
Tjhideza eduze kwe-10.

Zigwalele inambalayini yakho.

195



945





Ukutjhideza eduze kwe-10.

Ngaphambi kokutjhideza:

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

a. U-128 nakatjhidezwe eduze kwetjhumi kuba-130



b. 877



c. 901



d. 566



e. 999



Tjhideza iinomboro ezilandelako eduze kwe-10.

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



Ngithoga ama-RIO wephepha amangaki?

UMbali nabangani bakhe aba-8 bay a esikolweni ukugidinga ilanga lokuzithabisa.

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

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



II3

Ilanga:

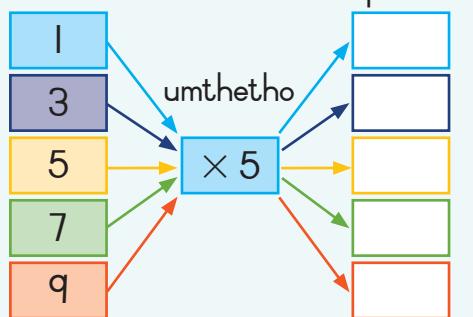
Ukubuyabuyelela nokuhlukanisa: ngakuhlanu ukufika ku-100

Ithemu 4

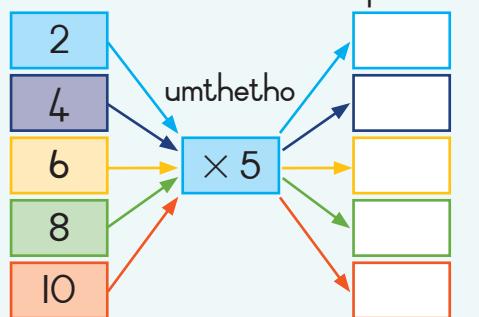


Qedelela umgwalo owehlako.

okufakiweko



okufakiweko



Qedelela itheyibula engenzasi:

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



Balisisa:

$$12 \times 5$$

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

$$= 50 + 10$$

$$= 60$$

$$11 \times 5$$

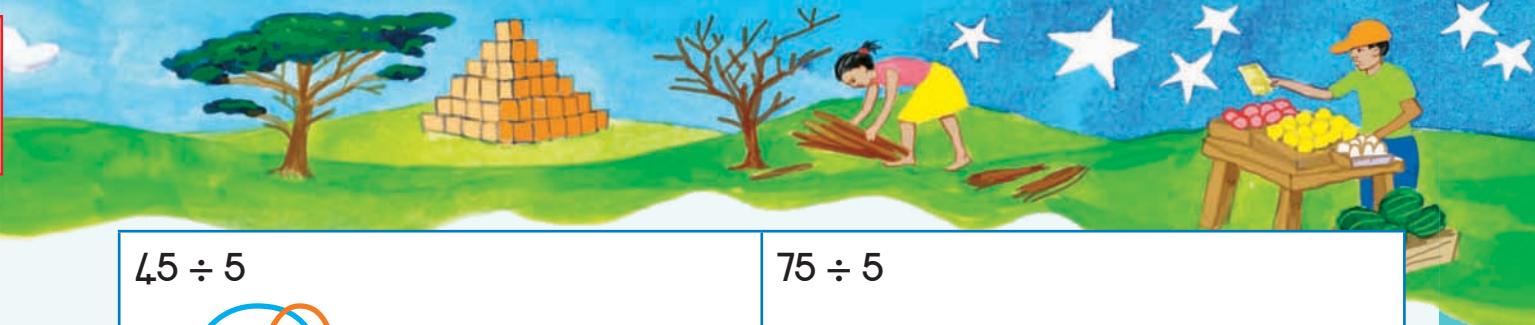
$$13 \times 5$$

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

$$= 50 + 15$$

$$= 50 + 10 + 5$$

$$= 65$$



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

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

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

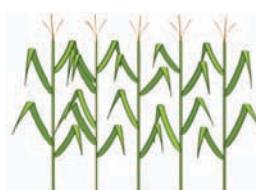
$$= 8 + 1 \text{ isalela } 3$$

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



Rarulula imiraro elandelako:

Isivande semirorho sinemida eli-14 yeentjalo.

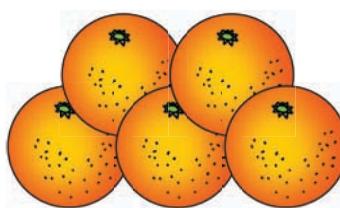


Umuda omunye nomunye unenani elilinganako leentjalo.

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

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

Unama-orentji ama-85.



Mangaki ama-orentji angazalisa umgodla?





Amaphetheni weenomboro: ngakuhlanu bekufike ku-1 000

Asibale ngakuhlanu ukuthoma ku-805 ukufika ku-900.

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



Iinomboro ezindulungelweko zisitjengisa yiphi iphetheni?

Ezindulungelwe ngokuhlaza sasibhakabhaka:	Ukubala ngaku- _____
Tlola iphetheni:	
Ezindulungelwe ngokuphephuli :	Ukubala ngaku- _____
Tlola iphetheni:	



Balisasa.

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



Ibhodi leenomboro 901 kufika ku-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



Qedelela ngeenomboro ezitlhayelako.

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



Qedelela amaphetheni.

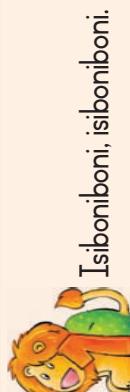
Uuyayiyelala iphetheni?	Hlathulula iphetheni.
963, 968, 973, 978, 983, _____	
944, 949, 954, 959, 964, _____	
921, 926, 931, 936, 941, _____	
956, 951, 946, 941, 936, _____	
982, 987, 992, 997, _____	
927, 922, 917, 912, 907, _____	



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Itthemu 4

Okufanoko mahlangothi womibili



Dlala nomngani wakhno nisebenzise enye yamaasede

wamaphazela wamat hayili (aneenqejhana ezil-14) kibo Sko 10.

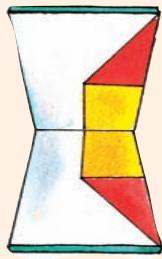
Umdlali ngamunye umeenqejhana ezizoba yihafu (inngejhana ezil-7) zamajamo wamaphazeli.

Akukaneli kobana abadali babe neenqejhana ezifanako. Gwala umuda phakathi naphakathi kwephepha. Umuda lo uzokuba "mumuda wokubujisa".

Umdlali wokuthoma ubeka isiqejhana sakhe eduze komuda.

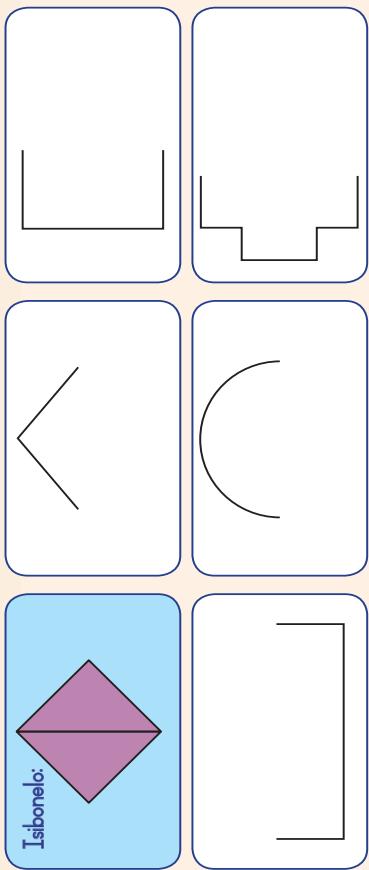
Umdlali wesibili ubeka ukubujisa kwakho ngakelinje ihlangothi lomuda. Kumele isiqejhana sitintse umuda manyana elinye ijamo eseeli libekiwe.

Raga uye phambili bekufike lapha sewusebenzise zoke inqejhana.

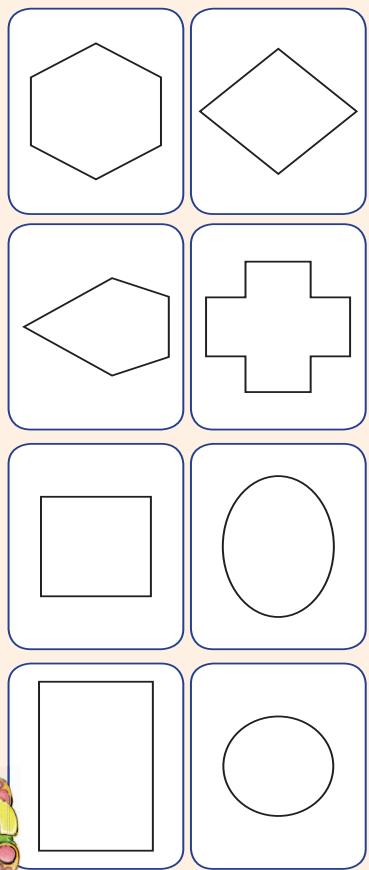


Isiboniboni, isiboniboni.

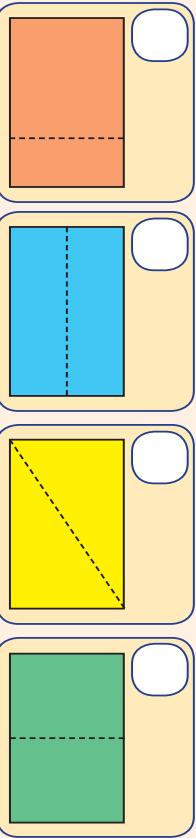
Gwala elinye ihlangothi lejamo.
Ngemva kwalapho tjengisa umuda otjengisa ukufana mahlangothi woke.

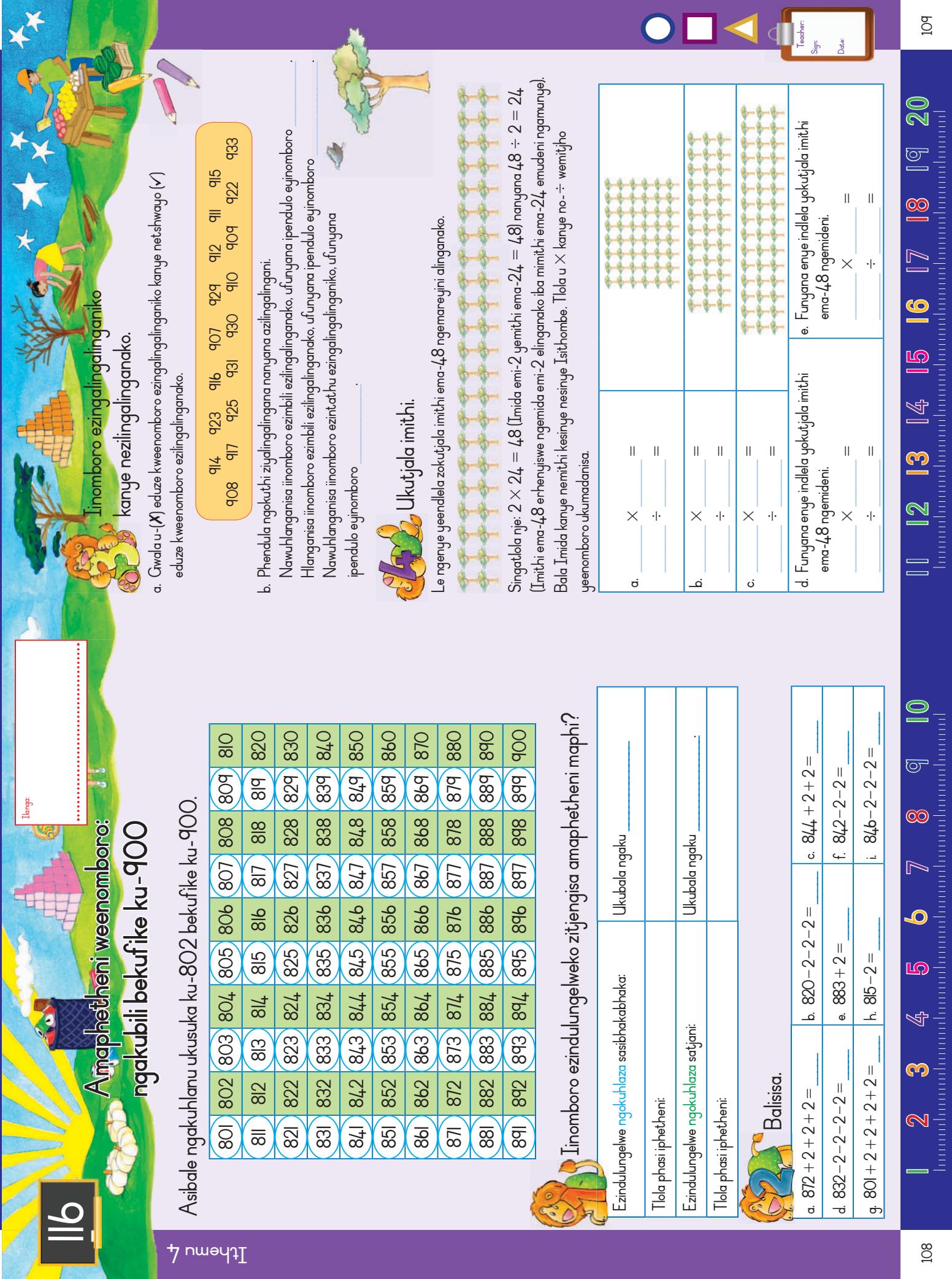


Gwala umuda otjengisa ukufana mahlangothi womibili
wokulandelako:



Thika amajamo anemida enembako efana
mahlangothi womibili.





Amaphetheni weenomboro: ngakubili bekufike ku - 900.

Asibale ngakuhanu ukusuka ku-802 bekufike ku-900.

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

Itthemu 4

Inomboro ezilingalinganiko
kanye nezilingalinganiko.
a. Gwala u-(X) eduze kweenomboro ezilingalinganiko kanye netshwayo (✓)
eduze kweenomboro ezilingalinganiko.

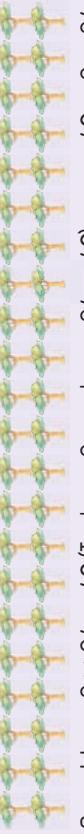
914 923 916 907 929 912 911 915
908 917 925 931 930 910 909 922 933

- b. Phendula ngokuthi ziyalingalingana nanyana azilingalingani.
Nawuhlanganisa inomboro ezimbili ezilingalinganako, ufundayana ipendulo ejinomboro
Hlanganisa inomboro ezimbili ezilingalinganako, ufundayana ipendulo ejinomboro
Nawuhlanganisa inomboro ezintathu ezizingalingalinganiko, ufundayana
ipendulo ejinomboro



Ulkutjala imithi.

Le ngenye yeendlla a zokutjala imithi ema-48 ngemareyini alingandako.



Singatola një: $2 \times 24 = 48$ (Imida emi-2 yemithi ema-24 = 48) nanyana $48 \div 2 = 24$
(Imithi ema-48 erhenjuswe ngenida emi-2 elinganako iba mimithi ema-24 emudenengamunye).

Bald Imida kanye nemithi kesinye nesinye Tsithombe. Tlola u × kanye no- ÷ wemithjo
yenomboro ukumadanisa.



d. Funyana enye indlela yokutjala imithi
ema-48 ngemideni.

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

e. Funyana enye indlela yokutjala imithi
ema-48 ngemideni.

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

Inomboro ezindulungelweko zitjengjisa amaphetheni maphi?



Ezindulungelwe <i>ngokuhlaza</i> sasihakkabha:	Ukubala ngaku _____
Tlola phasi iphetheni:	Ukubala ngaku _____
Ezindulungelwe <i>ngokuhlaza</i> satjoni:	Ukubala ngaku _____
Tlola phasi iphetheni:	Ukubala ngaku _____

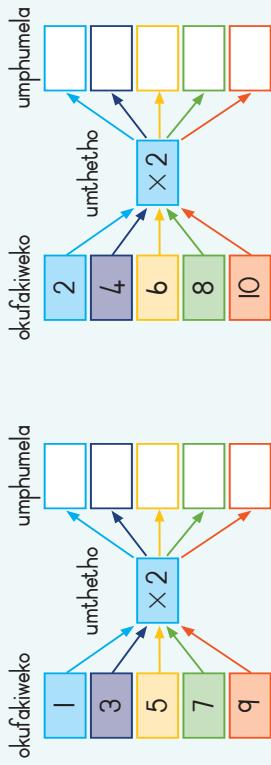


Balisasa.

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. $85 - 2 =$	i. $846 - 2 - 2 - 2 =$

Ulkubuyabuuyelala noku hluukaniisa: ngakubili bekufike ku-100

Qedelela umgwaalo wesiswebu.



Qedelela ithejibula engenzasi.

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



Balisasa:

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

$$= (10 + 8) \times 2
= 20 + 16
= 20 + 10 + 6
= 36$$

$$46 \div 2$$

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

$$47 \div 2$$

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



Rarulula umraro olandelako:

Isvande semiorha sinemida ema-32 yeentjalo.

Umuda omunye nomunye uneentjalo ezi-2.

Kuneentjalo ezingaki esivanden?

Isvande sinemida ema-40 yeentjalo.

Umuda omunye nomunye uneentjalo eziin ganako.

Nangabe kunerani leentjalo ezima-80 emudeni ngamunye, kuneentjalo ezingaki?



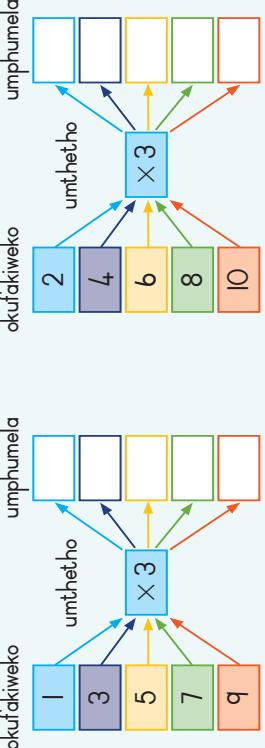
Ulkubuyabuyelela kanye nokuhlukanisa ngakuthathu bekufike ku-100

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Itthemu 4

Qedelela umgwalo wesiswebu.



Qedelela itheyibula engenzasi:



	1	2	3	4	5	6	7	8	9	10
3										



Balisia:

12×3	11×3
$= (10 + 2) \times 3$	
$= 30 + 6$	
$= 36$	
17×3	19×3
$= (10 + 7) \times 3$	
$= 30 + 21$	
$= 51$	

11 12 13 14 15 16 17 18 19 20

$$63 \div 3$$

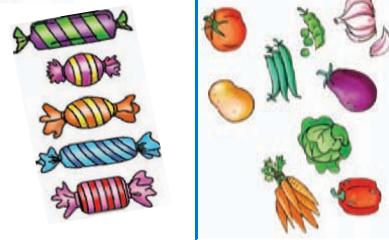
$$\begin{aligned} &= (60 + 3) \div 3 \\ &= (60 \div 3) + (3 \div 3) \\ &= 20 + 1 \\ &= 21 \end{aligned}$$

$$65 \div 3$$

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

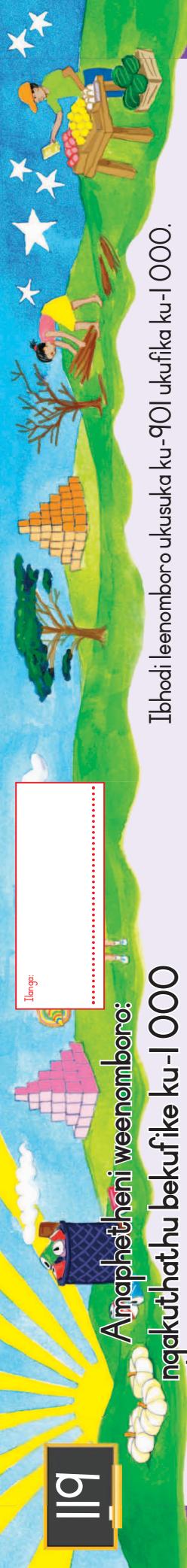
$$96 \div 3$$

$$\begin{aligned} &= 98 \div 3 \\ &= 32 \text{ isela } 2 \end{aligned}$$

Teacher:
Sign:
Date:

UMarlene unamaswidi ama-30.
La maswidi abujelidwe kaltijumi kilawa u Jacob anawo.
UJacob unamaswidi amangaki?

Rarulula imirano elandeldako:
Isivande semiorho sinemida ema-29 yeentjalo.
Umudangamunye uneentjalo ezi-3.
Zintjalo ezingaki ngesivandeni?



1q

Lang:

Amaphetheni weenomboro: ngakuthathu bekufike ku-1 000

Asibale ngakuthathu kusuka ku-803 bekufike ku-899.

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

Ibhodi leenomboro ukusuka ku-901 ukufika ku-1 000.

901				903	904		906	907	909	910
	912	913		915	916		918	919		
921	922		924	925		927	928		930	
931		933	934		936	937		939	940	
	942	943		945	946		948	949		
951	952		954	955		957	958		960	
961		963	964		966	967		969	970	
	972	973		975	976		978	979		
981	982		984	985		987	988		990	
991		993	994		996	997		999	1000	

Tinomboro ezindulungelweko zitjengisa amaphetheni maphi?



Ezindulungelwe ngoku-orientu: _____

Tola phasi iphetheni:

Ezindulungelwe ngokuhaza satjani: _____

Tola phasi iphetheni:



- a. 873 + 3 + 3 = _____ b. 824 - 3 - 3 - 3 = _____ c. 841 + 3 + 3 = _____
d. 837 - 3 - 3 - 3 = _____ e. 889 + 3 = _____ f. 846 - 3 - 3 = _____
g. 802 + 3 + 3 + 2 = _____ h. 89 - 3 = _____ i. 880 - 3 - 3 - 3 = _____

Itthemu 4

Tola iinomboro ezithayelako.

Khalara amabhlago weenomboro ezilhaya jekoa ngokuhaza satjani. Khalara ibhoksi elimhphhe elineenomboro ngaphakathi ngombala obou. Ubona iphetheni yphi?



Qedelela amaphetheni.

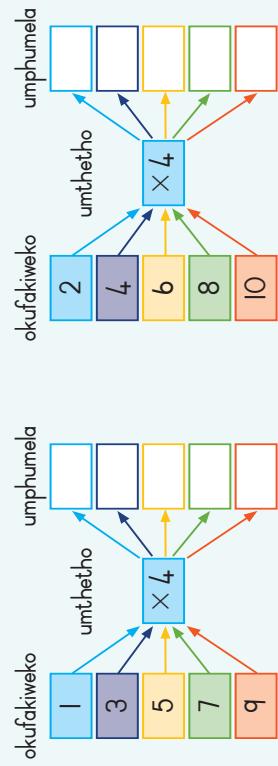


- a. Hlanganisa nabo-4 abane ku-981. q84, q87, q90, q93
b. Hlanganisa abo-5 abahlanu ku-973. _____
c. Khupha abo-4 abane ku-975. _____
d. Khupha abo-3 abathathu ku-947. _____
e. Hlanganisa nabo-2 ababilu ku-932. _____

Teacher:
Sign:
Date:

Ukubuyabuyela noku hlukanisa ngakune bekufike ku-100

Qedelela umgwalo wesiswebu.



Qedelela itheyibula engenzasi:

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



Balisasa:

$$12 \times 4$$

$$\begin{aligned} &= (10 + 2) \times 4 \\ &= 40 + 8 \\ &= 48 \end{aligned}$$



Rarulula imiraro elandelako:

$$10 \div 4$$

$$10 \div 4$$

$$10 \div 4$$

$$13 \times 4$$

$$\begin{aligned} &= (10 + 3) \times 4 \\ &= 30 + 12 \\ &= 30 + 10 + 2 \\ &= 52 \end{aligned}$$



$48 \div 6$	12	12×4
$= (40 + 8) \div 4$		
$= (40 \div 4) + (8 \div 4)$		
$= 10 + 2$		
$= 12$		
$45 \div 4$	12	$10 \div 4$
$= (40 + 5) \div 4$		
$= (40 \div 4) + (5 \div 4)$		
$= 10 + 1$		
$= 11$		



UThony unamaswidi ama-36.
Ulla amaswidi amane ngelanga.
Amaswidi la angawadla ngamalanga amangaki?
UDaviduthengisa iphakethé enama-orientji amane ngaphakathi.

Unama-orientji ama-88.
Angabophpha amaphakethé amangaki wama-orientji?



Amaphetheni weenomboro: ngakune bekufike ku-1 000

Asibaleneni ngakune kusuka ku-804 ukufika ku-900.

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

Iphetheni yeenomboro ezindulungelweko zisitjengisa ini?



Ezindulungelwe ngokuhaza satjani:

Tola phasi ipheteni:

Ezindulungelwe ngokuphephuli:

Tola phasi ipheteni:

Ukubala ngaku

Ukubala ngaku

Ukubala ngaku

Ukubala ngaku



Ibhodi leenomboro 901 kufika e-1000.

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

Qedeleta ngeenomboro ezithayeldko.

Khalara amabhlago weenomboro ezithayeldko ngokuhaza satjani. Khalara iboksi elimhlophe elineenomboro ngaphakathi ngombala obovu. Ubona ipheteni yiph?



Qedeleta amaphetheni.

- a. Hlonganisa naboo-4 abane ku-980.

- b. Hlonganisa abo-5 abahlanu ku-971.

- c. Khupha abo-4 abane ku-963

- d. Khupha abo-3 abatnathu ku-927.

- e. Hlonganisa naboo-2 ababili ku-938.

12 13 14 15 16 17 18 19 20

Tingcencye ezilinganako zokupheleleko

Okupheleleko, ihafu, nanyana ungasika nagyiphi indlēla.

Sika ukuphe aboncanthathu
ephepheni elkhalarivewo (kusika ||).



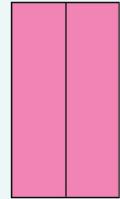
Linga iindlēla ezinye ezahlukeneko zokwenza okupheleleko-ihafu.

1. Bhinca iphepha eliyirekthengela ngobude libe yihafu.

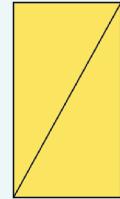
Sika iphepha lelo libe yihafu lapha ubhince khona.

Elinye nelinye icezu limabukhulu obulingana patsi.

Elinye nelinye icezu liyihafu ($\frac{1}{2}$) yerkhengela.



2. Bhinca elinye iphepha eliyirekthengela libe yihafu
ngehlangathi elibutjhigama. Sika iphepha libe yihafu lapha
ubhince. Elinye nelinye icezu yihafu yesigetjhana sepheda
ekuthonywe ngaso.



3. Nijiphi enye indlēla yokwahlukanisa iphepha libe ziingcezu
ezimbili ezilingandik? Linga ezinje iindlēla ngukusebenzisa
iphepha kanje nesikere bese udweba umuda lapha ubhince
khona ngemua kwalopho usike.



Amanye amacezu dinganako wokupheleleko.

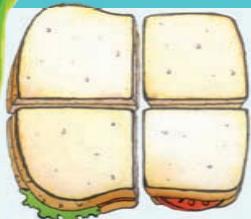


Nasehlukanisainto ibe ziingcenye ezi-2 ezilinganako,
sibiza ziingcezu lezo ngamahafu.

Nasehlukanisainto ibe ziingcezu ezilinganako ezi-3,
sibiza okukodwa kokuthathu.

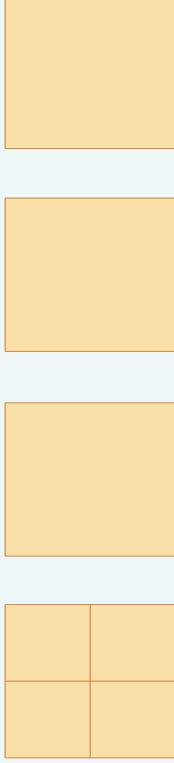
Nasehlukanisainto ibe ziingcezu ezilinganako ezi-4,
sibiza ngamakota.

Nasehlukanisainto ibe ziingcezu ezilinganako ezi-5,
sibiza okukodwa kokuhlanu.



Amasametjisi wesidlo semini.

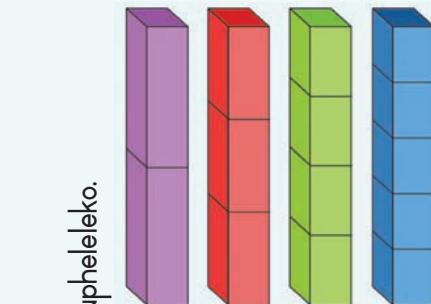
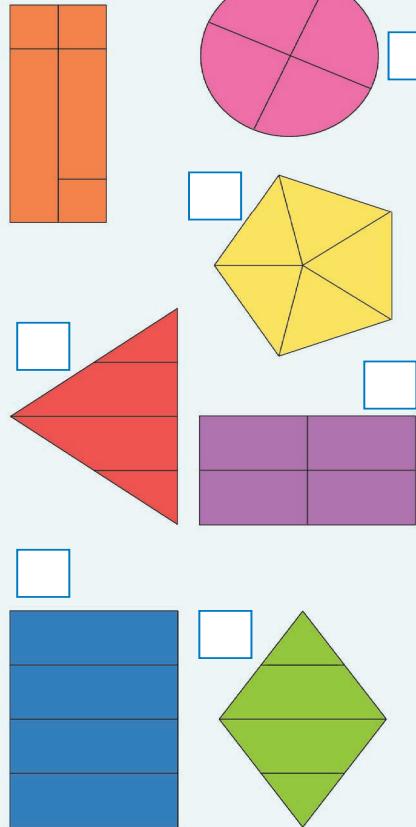
UThabo nadangani bakhe dba-3 benza amasametjisi amanengi
abazowadlla ngesidlo semini. Bawaiska abe makota. Okutjho
kobana bawaiska abe macezu ama 4 dinganako. Nasi enye
indlēla. Tengisa iindlēla ezi-3 ongenza lokhu:



4 Ulkuhlukanissa kube macezu amane dinganako (amakota).

Lokha nasisika into ibe makota ($\frac{1}{4}$), siyehluukanisa libe macezu amane dinganako.

Tshwaya (✓) iinthombe kilezi ezingenzasi ezijengisa amakota.



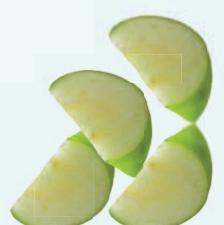
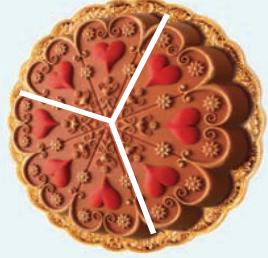
123

Ithemu 4

Imiraro Yamacezu

Tlenga

Khulumisana nomngani wakho ngamacezu.



Rarulula umraro ngokuphendula imibuzo nokwenza imidwebo.

a. Umbanduli wenethhaho upha abadlli ngamunye ihafu yeo-orientji boke abadlli bali-14.

Uzokutlhoga ama-orientji amangaki? _____

Uthini umbuzo? _____

Yitjho iinamboro manyana amacezu wesibalo esimraro? _____

Ngilphigama elaqkathekileko? _____

Gwala isithombe. _____

Igama elaqkathekileko
ngilphigama elizangijiza ukuthetha
itsivayu lokubala elfanelelo.



Ithimi ipendulo? _____



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

Utlhoga ama-apula amangaki? _____

Yitjho iimbalo nanyana amacezu wesibalo esimraro? _____

Ngilphigama elaqkathekileko? _____

Gwala isithombe. _____

Ithimi ipendulo? _____

c. Ngelangla lokuthengiswa kwamanandinandi esikolweni.

Kuthengisewi abantu abama-24 ingcenyé zekhekhe.

Kuthengiswe amakhlekhe amangaki? _____

Ngilphigama elaqkathekileko? _____

Gwala isithombe. _____



Ithimi ipendulo? _____

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

Izinto ezinobujamo be-3D

Qala iinthombe ezlandelako.

Ngisphi isiqhema esijengisa impholo, amostindaka karye nesijengisa amabhoksi.



Ungagwala amabumbeko amangaki ngamawejisi anqophileko.

a. Engekhe kwagedekela kude?	
b. Ekungagedekla kwaphela nakusemuden'i onqophileko?	
c. Ekungagedekela nanyana ngakuliphi ihlangothi?	

Thalela ipendulo enembako.

- Inamdu inebumbeko eliyibholo/elibbhoksi/elijsilinda.
- Inhalasi yokuse lainebumbeko eliyibholo/elibbhoksi/elijsilinda.
- Inowadi inebumbeko eliyibholo/elibbhoksi/elijsilinda.



Okunqophileko nanyana okugobenecho.

Ezinye izinto ezinamaqa zinelingaphandle elispara kwaphela.
Ezinye zinelingaphandle eligobenecho.



Tsilinda inamahlangothi amabilii asipara neillodwa eligobenecho.

Ikhownu inehlangothi eillodwa elispara nellodwa eligobenecho.

Qabang aangesilinda, ikhowunu nanyana isifeere singagedekha njani.

Klezzi izinto ezintathu, ngikuphi:

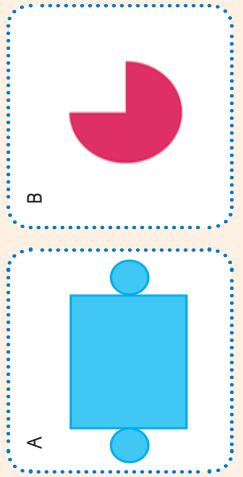
- Engekhe kwagedekela kude?
- Ekungagedekla kwaphela nakusemuden'i onqophileko?
- Ekungagedekela nanyana ngakuliphi ihlangothi?



Ijini inede?

Ibumbeko elispara lingabhincka ukwenza isithombe esiqinileko esazivon genede.

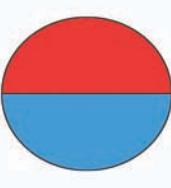
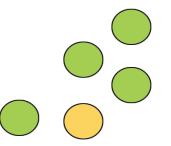
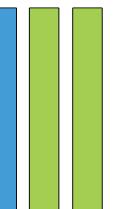
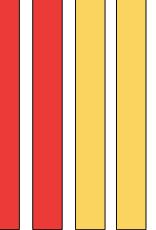
- Tola ledere lenede ongajibhincda ukwenza ikhownu.
- Tola ledere lenede ongajibhincda ukwenza isilinda.



Amanye amacezu

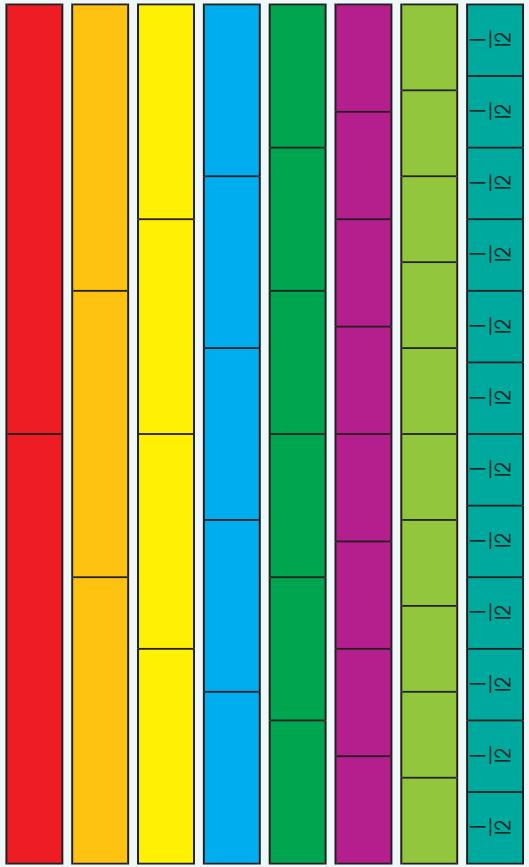
Yitjho amacezu.
Tola amacezu weenthombe ezingenzasi.

Itthemu 4

	a. Licezu bani elinombala abovu? _____
	b. Licezu bani elinombala ohlaza setjani? _____
	c. Licezu bani elinombala ohlaza sasibhakabha? _____
	d. Licezu bani elinombala osarulani? _____



Umthangala wamacezu.



Umuda omunye nomunye wehlukaniswe ngeengcenyen ezinganako. Umuda ongenzasi wehlukaniswe eengcenyen zetjhumi nambili. Lejibula emine imida ngecezu elifaneleko. Sebeniza inula yakhko nanyana umphetho wephepha onqophileko ukufunyana kobana ngimaphi amacezu alinganako, nokukusiza kobana uphendule imibuzo elandelako:

Ulkuska emthangaleni wecezu, funyana zoke ezinye iindela ukwenza:

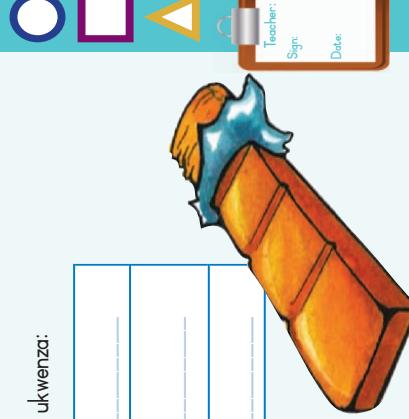
a. $\frac{1}{2}$	_____
b. Okukodwa okupheleleko	_____
c. $\frac{3}{4}$	_____

- a. USizwe unamacezu amane wetjhokoledi. Uphe umngani wakhe icezu ellodwa.
Yena usele ngaliphiezu lejhokoledi? _____
- b. UYasmin unama-orientji amabilii. Wabelana no-Ann am-a-orientji.
Usele ngaliphiezu? _____
- c. UMaria uthenga intiina zamajhokoledi ezi-5. Yena uthatha istiina esisodwa, upha u Mohamed intiina ezi-2, bese anikele umnakkabo intiina ezi-2. UMaria yena usele ngaliphiezu?

Qalisjal
Madonisjal
Lungisjal



Phendula imibuzo.



Teacher:
Sign:
Date:

Okhunye ukubuthela nokwaba



Qalisisa ukuthintanisa.

Ukubalisisa okuhabako.



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



Yaba lokho okuseleko.

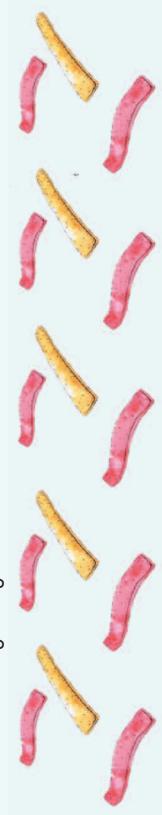
UJabu noLebo batuna ukubelana iingetjhana ezili-12 zetjhokoledi. Omunye nomunye uzokufunyana iingetjhana ezingaki?



Bangabelana kwaphela iingetjhana ezili-12 ezizithkwere, omunye nomunye ufundayana ezisithandathu isiqetjhana esiseleko basihlephula phakathi. Okutjho kobana omunye nomunye uneenqetjhana ezisi- $b\bar{2}$.



a. Ephathini abentwana abali-10 babelana imitletlana yamaswidi ema-25. Babele ngokulingana! Gwala iinthombe ezizokusiza.



Omunye nomunye umntwana ufundayana imitletlana yamaswidi _____

b. Yabela abentwana abal-4 imitletlana yamaswidi ema-37.

Omunye nomunye umntwana ufundayana imitletlana yamaswidi _____

c. Yabela abentwana abal-5 imitletlana yamaswidi ema-48.

Omunye nomunye umntwana ufundayana imitletlana yamaswidi _____

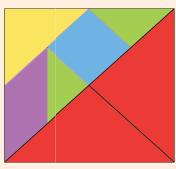
d. Yabela abentwana abali-10 imitletlana yamaswidi ema-73

Omunye nomunye umntwana ufundayana imitletlana yamaswidi _____



Amacezu wamathangramu

Ithangramu iphazli ykade yabantu be China egyptiwe ngamajamo di-7 aspara, abizwa ngamathani. Woke angabekwa ndawenye ukwakha amajamo dhukkeneko.



Amacezu wamathangramu.

Qalisai iphazeli lethangramu. Aboncantathu ababili abakhulu bamacezu maphi wesikwre esipheleleko?

(Umbala opinki esithombeni.)

Dlala nabdallli aba-4 ukuya kababu-8 abdallli baseberiza iingetjhana zethangramu.

1. Abdallli bayadilhegana ukuba bathwebi.

2. Umrhwebi uqunta kobana licezu bani lethangramu epheloleko umdallli ekumele alibike ngekasaneni.

3. Umdallli ngamunye uyafunisela kobana imali ejisimbi izokuwa ijihloko nanyana imsla. bese umrhwebi uphosha imali jesimbi.

4. Umrhwebi-ke waba okungekasaneni ngokullingana abele labo abafunisele ngokweqiniso. (Kumelé òthengise esinye nanyana ezinzee zeengetjhana ukuze afunyana iingetjhana ezinobungdako obulingandako.)

5. Isaleda enye renye engelke yakghona ukwabeka isala ngekasaneni ukuze izokusetjenziswa ngeddhego ellanddoko.

6. Buke abdallli bayaqalisisa kobana ukwabelana kwenvive ngenddela ekunjijo.

7. Umdallli nange kwenzeka afunyane iphosoo, umrhwebi ubhadela ihlawulo yenani $\frac{1}{8}$ lesikwre esipheleleko emdalllini wokuthoma ofunyene iphosoo leyo.

8. Umdallli organazo iingetjhana, angathatha lezo ezisele ngekasaneri.
q. Umdalllo uragela phambili bekufike lapha omunye umdallli aba mrhwebi khona.

Umdallo wokwabelana ngamacezu ngokullingana.

Omunye nomunye kumelé obike ikotu jingye yessede jethangramu ngekasaneni.



Njazukufakau cantathu sjewda omkhulu.



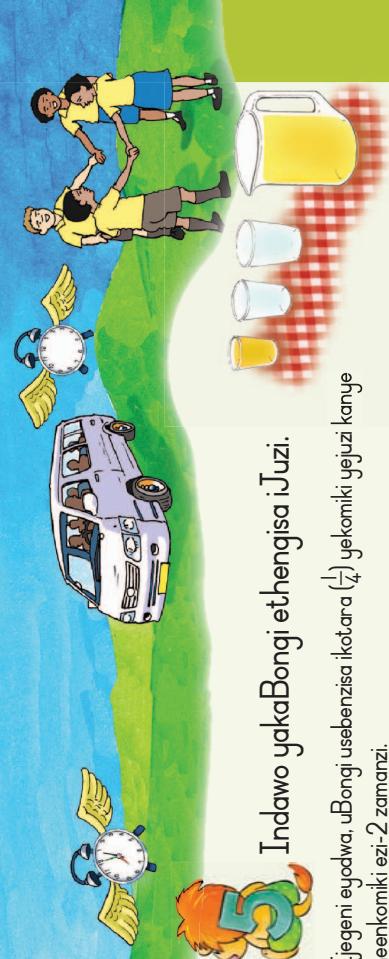
Tingcengy ezimbli zokubanane zilngana nokukodwo kwsine. ngingangwa isikwre e kanje nepharelogamu.



Sika amathangramu amabilii kibo Sika |2 bese ulejbulu isiqetjhana esinye nesinye ngacezu laso lesikwre esipheleleko. (La majamo wamambala we Thangramu.)
Tola ibzo lakkho ngemuvakwesinye nesinye isiqetjhana ukuze ukufunyana isiqetjhana sakho ekupheleni komdollo.



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



Ukumeda nokuthela

End|a|weni.

Ngesikathī sekuphumula omunyē nomunyē umdali
useq̄ i-^z yelithā ueiuzi.

- a. Bangaki abadlli abangabelana?
littha linye _____ amaittha ama-4 $\frac{1}{2}$ amaittha ama-4 $\frac{1}{2}$

b. Bazokutlhoga ijuzi engangani?
Abadlli ababu-8 Abadlli ababu-8

Amalitha kanye namamilimitha (mfl).

$$1\text{ litre} = 1000 \text{ ml}$$

$$1\text{ ml} = \frac{1}{1000} \text{ litre}$$

Yenza iħafu u eliha.

Yenza ihaftu yelitha.
Thika(✓) amanani ama-3 athi nakaḥlanganisiweko enze llitha.

	Thika(✓) amanani am-3 athi nakaflanganiweko enze litha.
Ama-120 ml	 Ama-120 ml
Ama-140 ml	 Ama-140 ml
Ama-160 ml	 Ama-160 ml
Ama-180 ml	 Ama-180 ml
Ama-200 ml	 Ama-200 ml
Ama-220 ml	 Ama-220 ml
Ama-240 ml	 Ama-240 ml

Ibisi lilungele ipilo yakho!

Yaba amalitha ama-4 webisi hlangana:



- a. Nabentwana ababu-8 Omunye nomunye umntwana
 b. Nabentwana ababu-16 Omunye nomunye umntwana
 c. Nabentwana ababu-12 Omunye nomunye umntwana

Item 4

Langar

Indawo yakaBongi ethengisa iJuzi.

Ejegeri eyodwa, uBongi usebeniza ikotara [$\frac{1}{4}$] yekomiki yejizi kanye neenkomiki ezi-2 zamanz.

Ingabe uBongi uzokusebenzisa ijuzi engangani ukwenza amajege ama-5 wejizi.

Amjegje	1	2	3	4	5
Amakomiki wejuzi	Ikota eyodawa $(\frac{1}{4})$				
Amakomiki wamanzi	2				

Kwenza ilitha eyodwa.

A vertical column of five containers, each labeled with its capacity in milliliters: 500 ml, 250 ml, 200 ml, 100 ml, and 50 ml.

Zingaki iimumathî, esinye nesinye ukwenza illîtha?

c. $\times 250\text{ m}$
 d. $\times 100\text{ m}$
 e. $\times 500\text{ m}$
 f. $\times 200\text{ m}$
 g. $\times 50\text{ ml}$

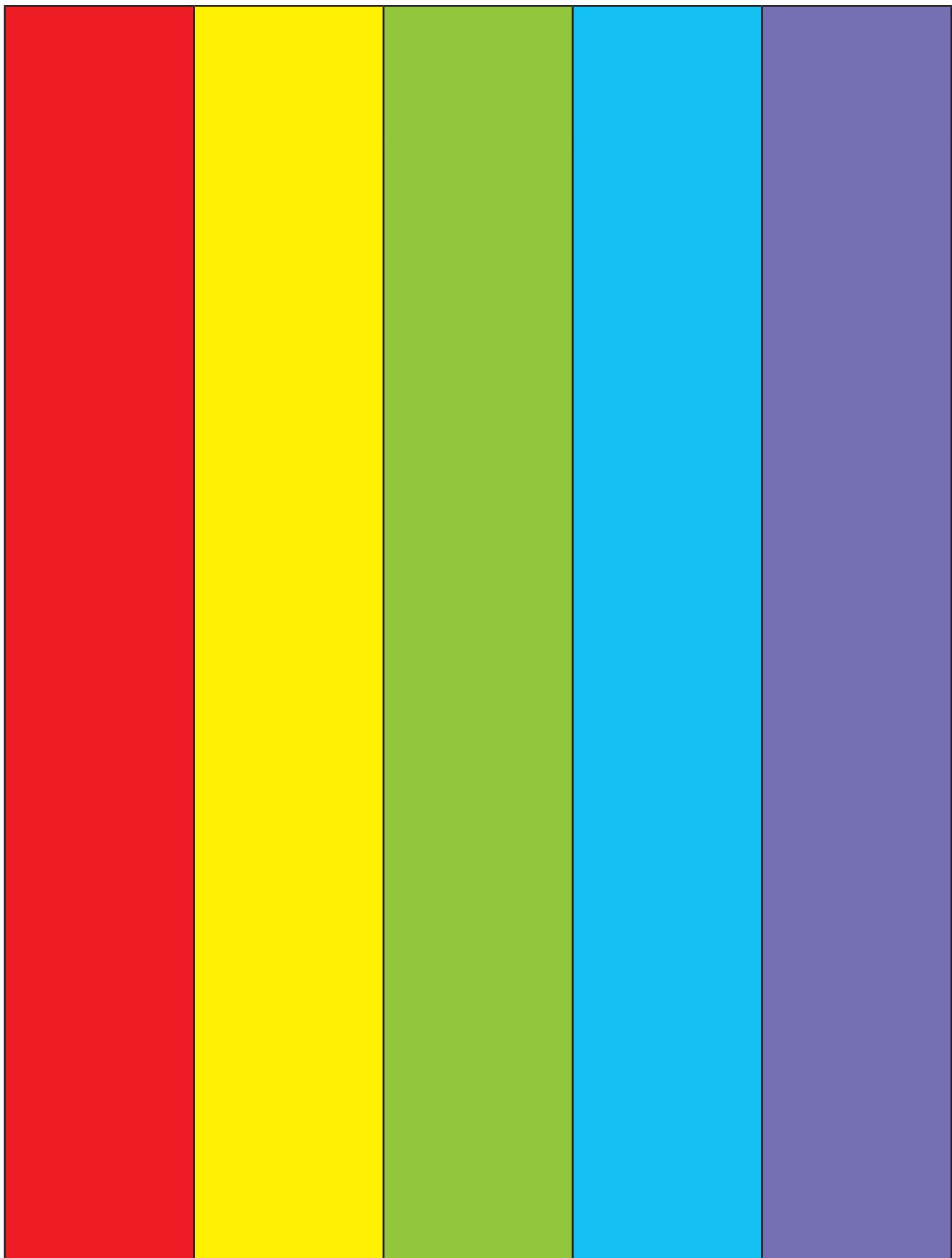
Qalisisa!
Madanisa!
Lungisa!

Kuséle jízi esarulani enganganí?
Kuséle jízi ephéphuli enganganí?
UThandi uhlanganisa imhlobó emi
Uzokuzulisa amajege amangaki?

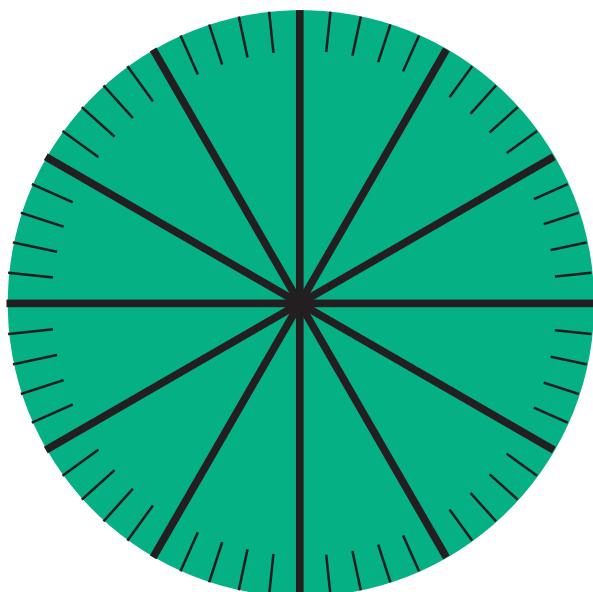
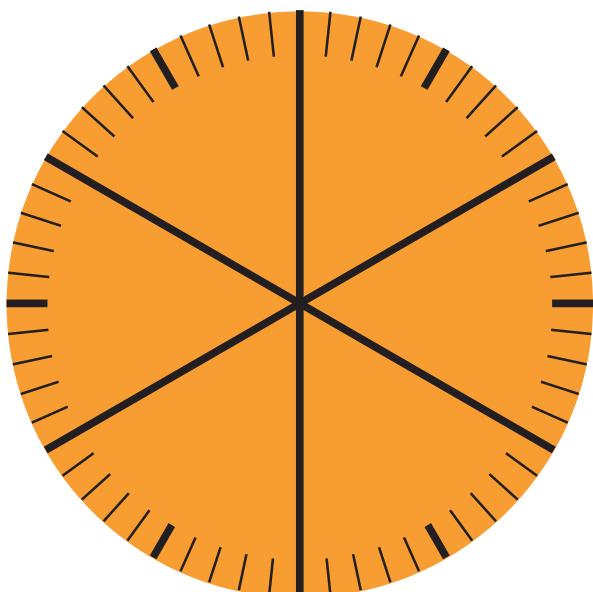
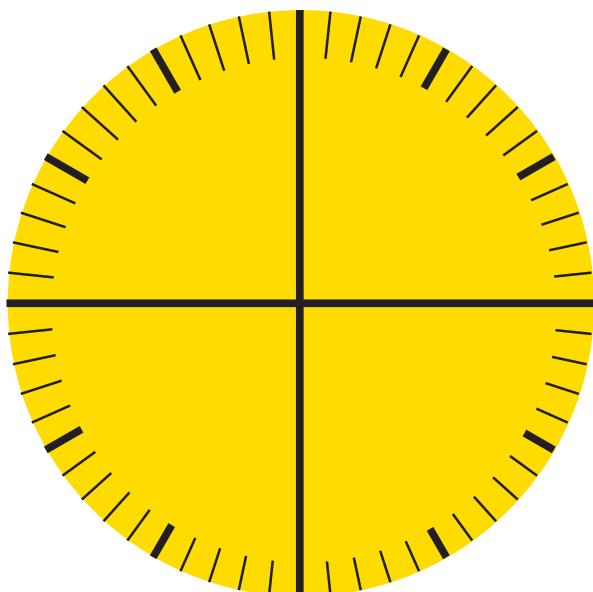
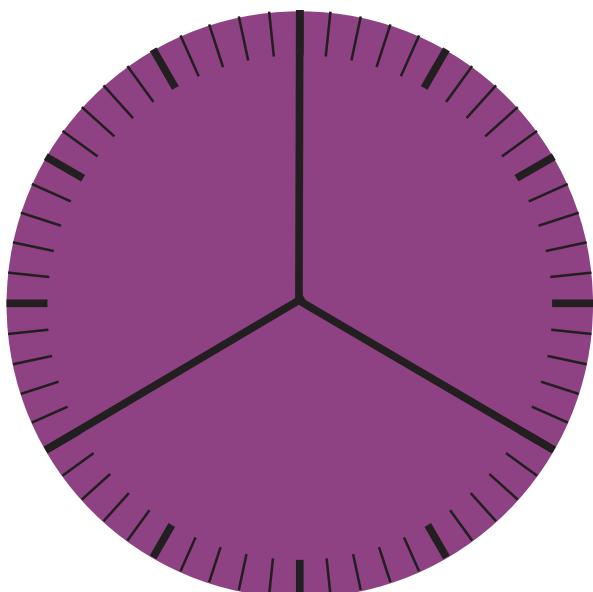
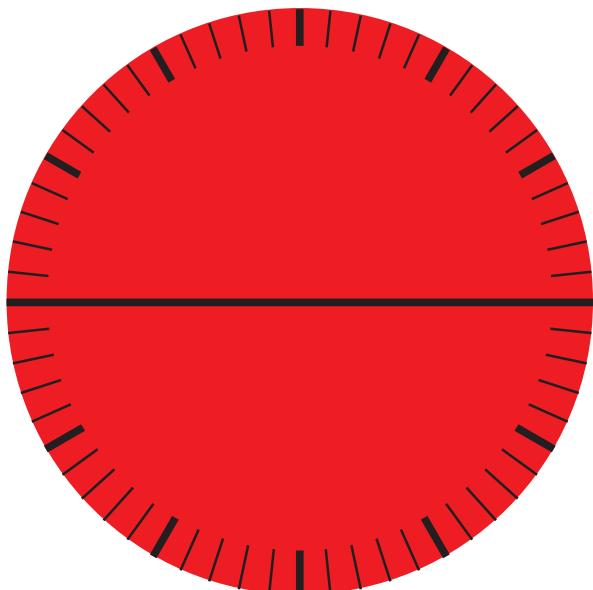
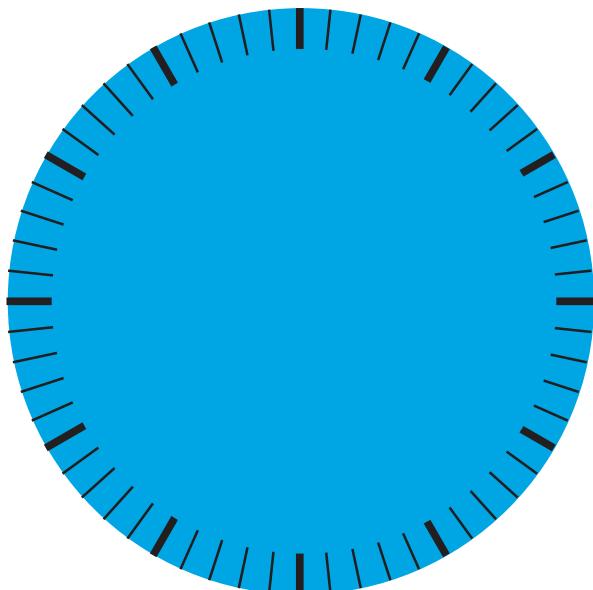
10
9
8
7
6
5
4
3
2

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

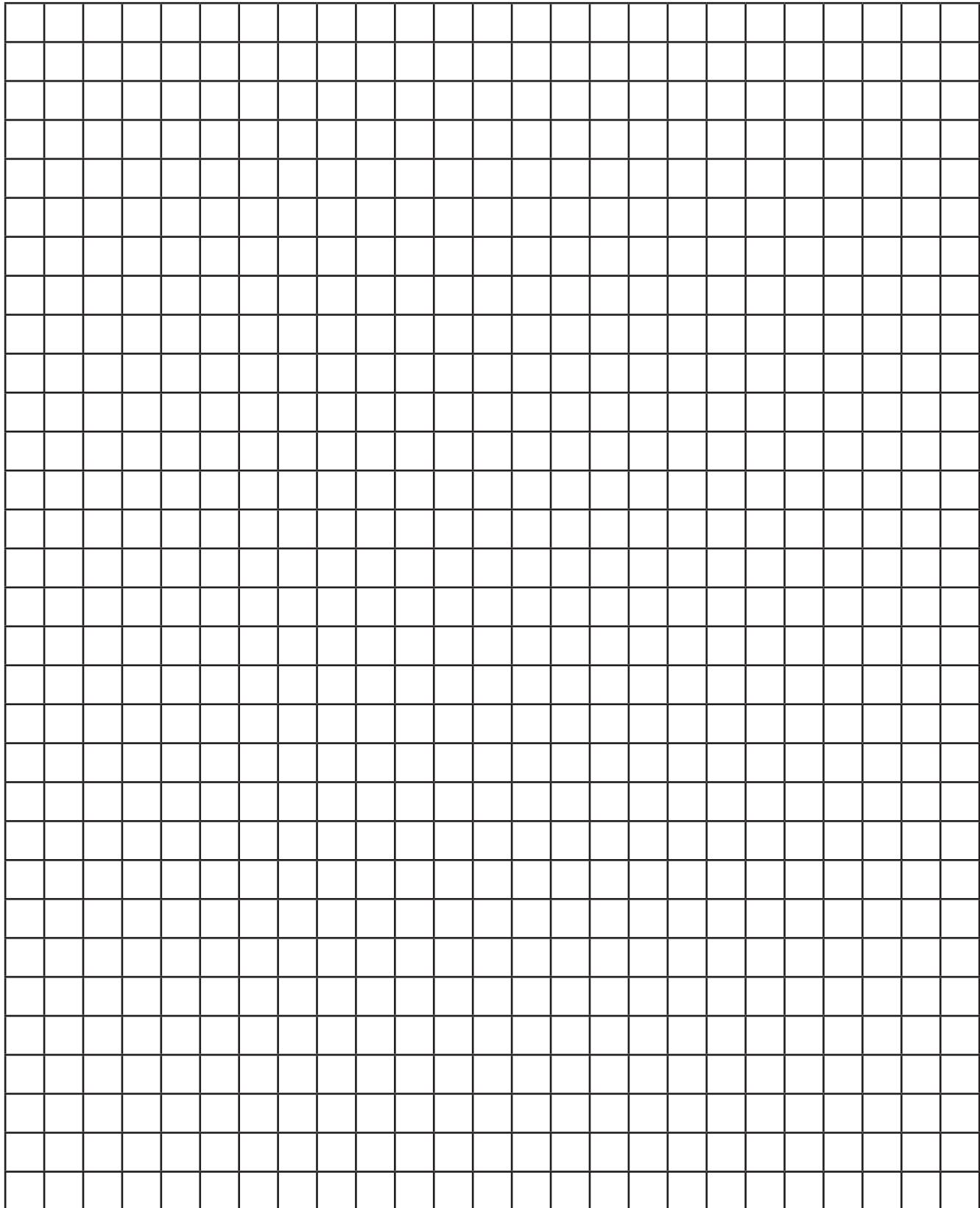
AboSika 5



AboSika b



AboSika 7

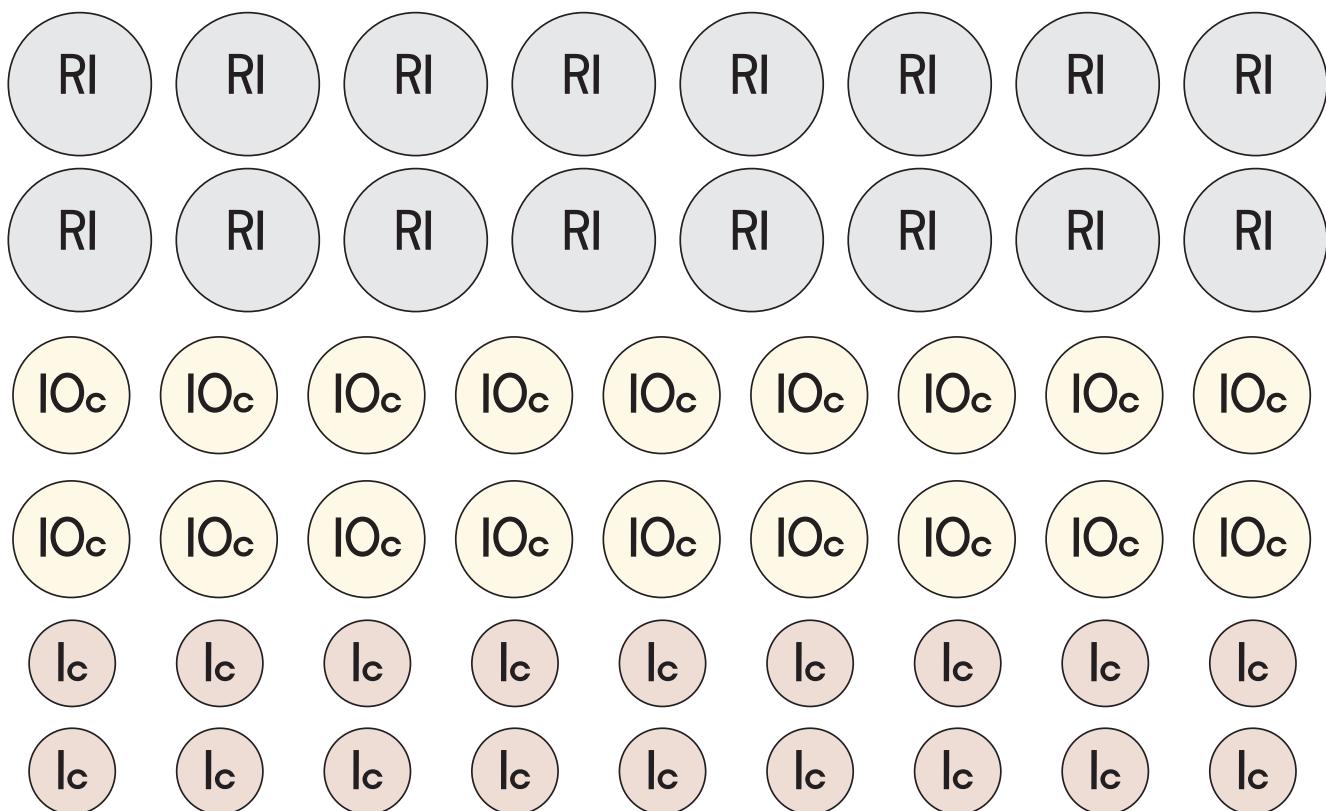


AboSika 8

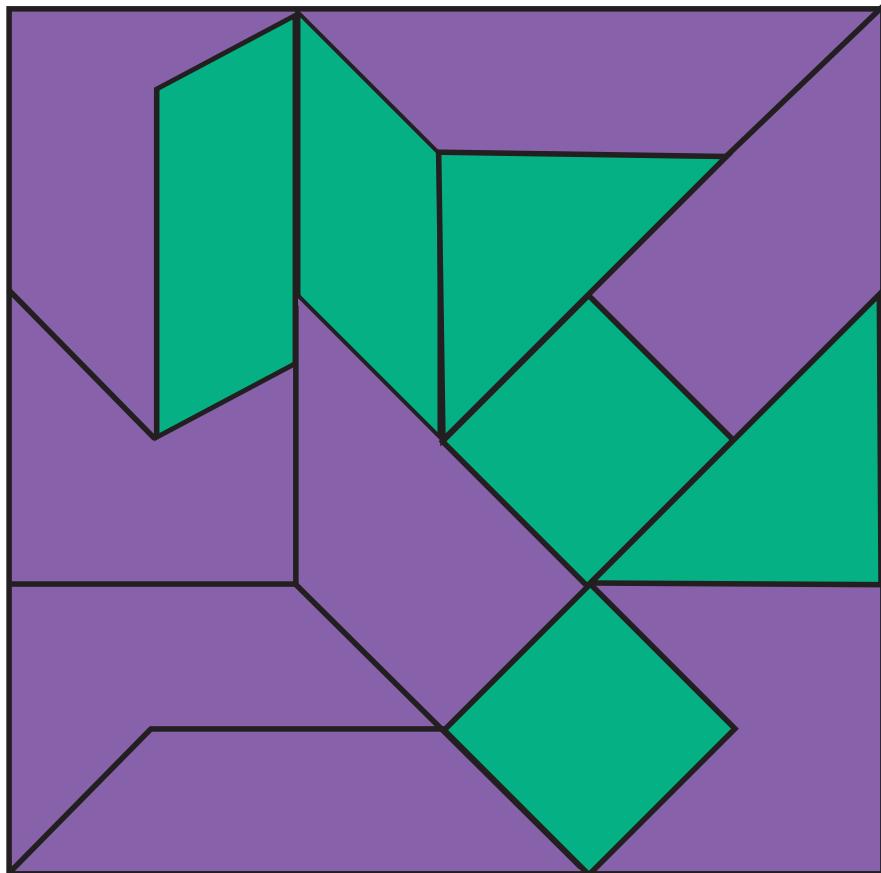
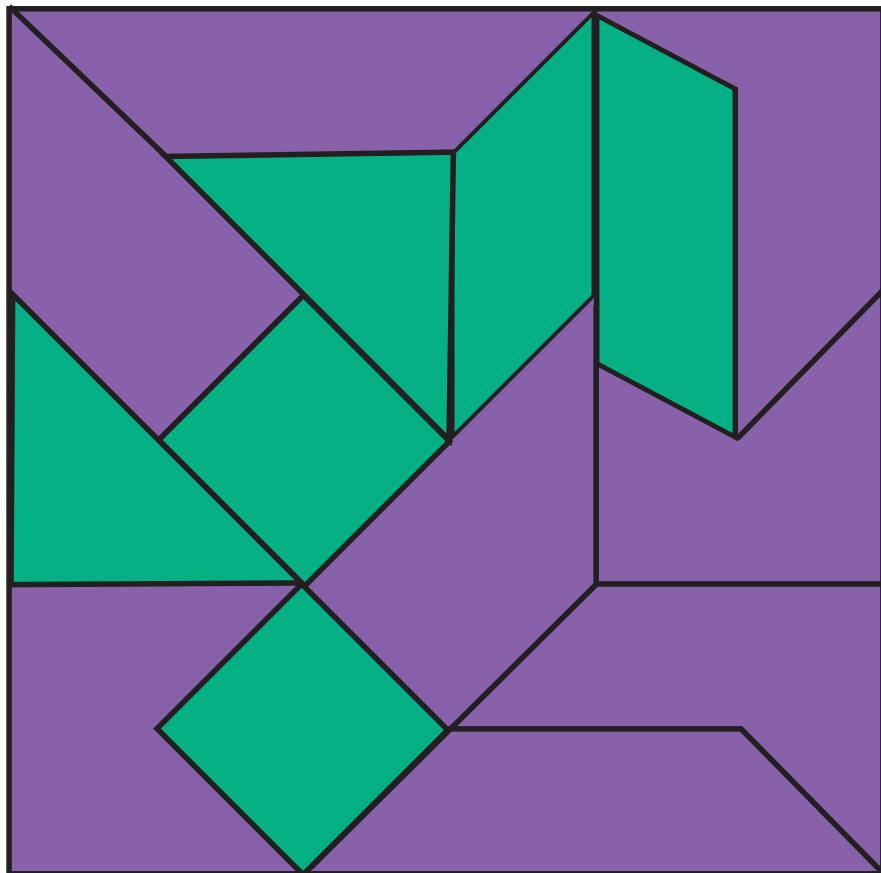
I _c	
IO _c	
RIs	
RIO _s	
RIOOs	

AboSika 9

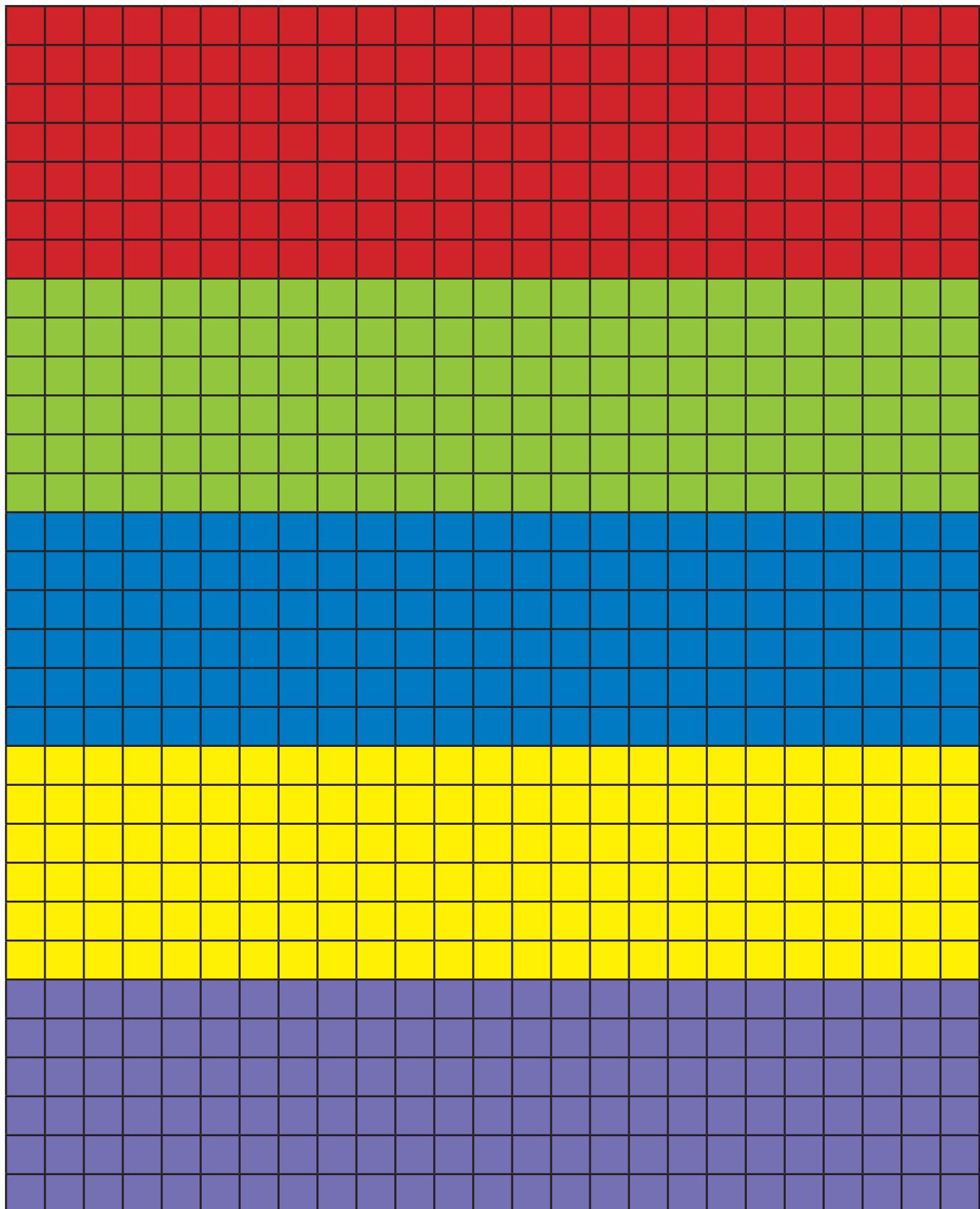
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO



AboSika IO



Cut-out II



Cut-out 12

