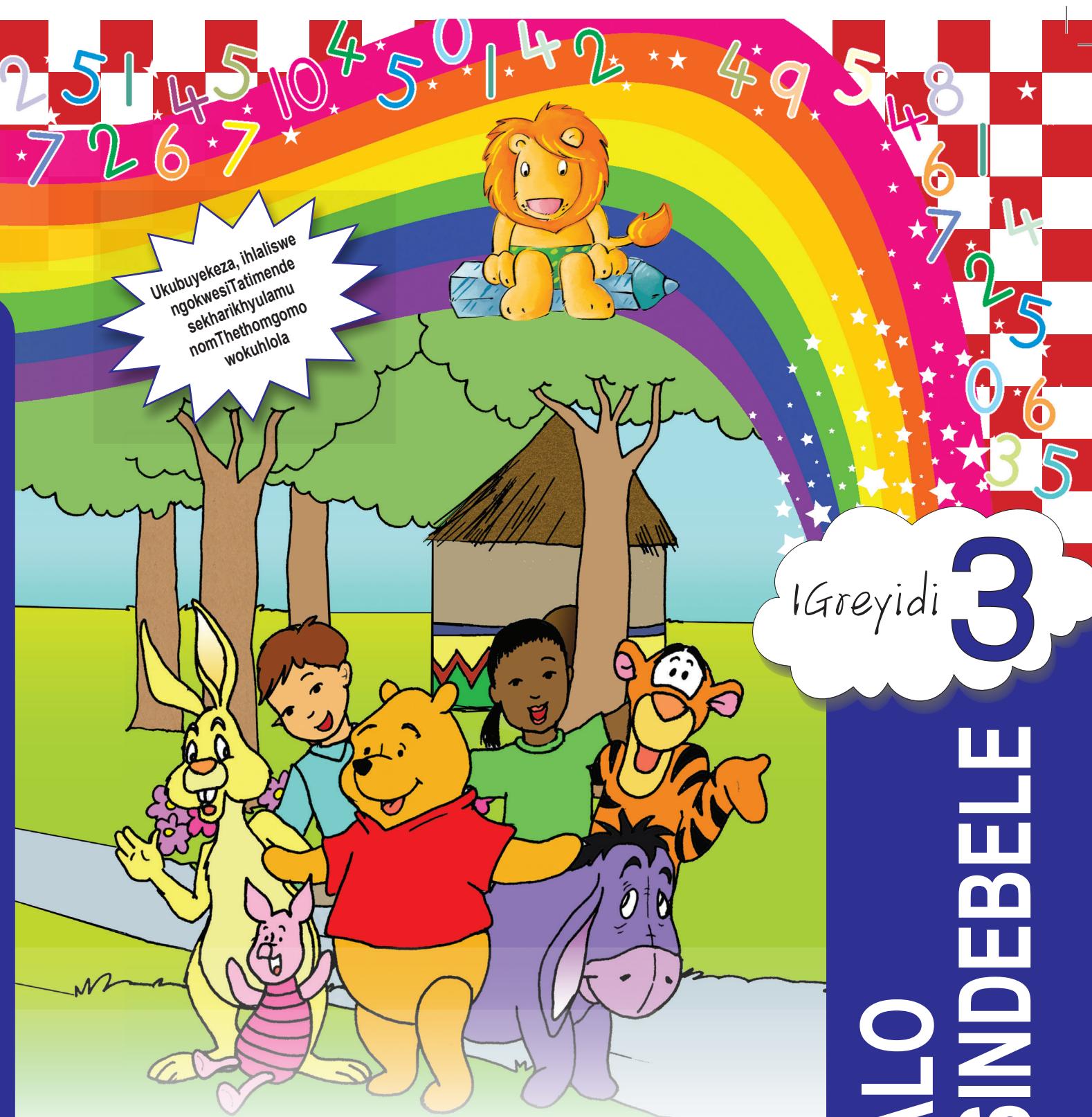


iGreyidi 3

# IMBALO NGESINDEBELE

Incwadi 2  
Ithemu  
3 & 4



Ibizo:

Itlasi:

ISBN 978-1-4315-0151-9

## Ukufunda ngoMthethosisekelo weRiphabliki yeSewula (1996)

UMthethosisekelo weSewula Afrika (1996) umumethe imithetho yenarha eseqophelweni eliphezulu. Imithetho leyo kumele ilandelwe ngumongameli wenarha, abaphathi beenkundla zemithetho kanye nalabo abasembusweni.

Imithetho leyo ihlathulula kobana abantu benarha bafenele baphathane njani, nokuthi ngimaphi amalungelo wabo nokuthi ngiziphi iimbopho abanazo. UMthethosisekelo wenzelwe ukusivikelka soke thina kanye nabentwana bethu ngomuso.

Kuqakathekile ukwazi izehlakalo zesikhathini esidlulileko.

Asingabuyeeli iimphoso zangesikhathi esidlulileko.

UMthethosisekelo usisiza ukucabanga nokwakha ilingomuso elingcono lethu soke.

Thina, abantu beSewula Afrika;  
Siyakwazi ukungaphathei kuhle kwethu ngokomthetho esikhathini esadluLakko;  
Siphathela phezulu abahlukunyeza ngebunga lokobana  
kubo nobulungiswa begodu nekululeko enarheni yekhethu;  
Sihlonipha labo abasebenze ekwakheni begodu nekuthuthukiseni  
iphasi lekhethu;  
begodu bakholelwabonyana iSewula Afrika ngeyabo boke abahlala kyo, sibambene  
ngokwahlukahlukana kwethu.



Ngalokho-ke, ngabajamelibethu abakhethwe ngokukhululekileko; samukela  
uMthetho-sisekelo lo njengoMthetho wokuthoma weRiphabliki oza-

Kuqeda ukwahlukana okwadluLako begodu sakhe umphakathi ozokudzimelela  
kuminqopho yentando yenengi, ubulungiswa begodu namalungelo  
wangokomthetho wobuntu.

Ukubeka isisekelo sentando yenengi begodu nomphakathi onzinzileko lapha  
umbuso unzinze khona phezu kwentando yesitjhaba begodu nalapha zoke  
izakhamuzi zivikeleke khona ngokomthetho.

Ukwenza ngcono izingi lepilo yazo zoke izakhamuzi begodu nokuvezwa  
kwekhgħo lawo woke umuntu;

Ukwakha iSewula Afrika ebumbeneko begodu nenentando yenengi  
ezokwazi ukuthatha indawo yayo njengenarha eziżjameleko emndenini  
weentjhatabħiha.

Funa ngekani amalungelo  
wakho njengesakħamuzi  
seSewula Afrika bewube  
nesibopho sokuvikela  
amalungelo wabanye abantu.

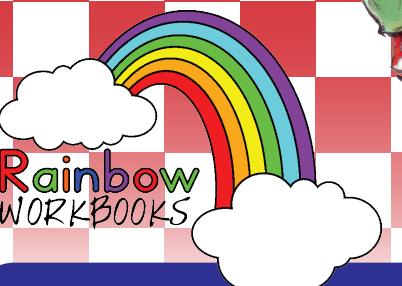
Ukwazi umThethomlingwa  
wamalungelo KanyenomThethomlingwa  
weembopho.

UZimu akavikele abantu bekhethu.  
Nkosi Sikele' iAfrika. Morena boloka setjhaha sa heso.  
God seën Suid-Afrika. God bless South Africa.  
Mudzimu fhatuħedza Afurika. Hosi katekisa Afrika.

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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8th Edition

1 2 3 4

# Okumumethweko

Inomboro	Ishloko	Ikhasi
65	Iinomboro ukusuka ku-500 ukufika ku-600	2
66	Ezinye iinomboro eisisuka ku-500 zifike ku-600	4
67	Iinomboro ukusuka ku-600 ukufika ku-700	6
68	Umebbe	8
69	Ezinye iinomboro kusuka ku-600 kufika ku-700	10
70	Iinomboro kusuka ku-650 kufika ku-750	12
71	Iinomboro kusuka ku-700 kufika ku-750	14
72	Izinto eziyi-2-D	16
73	Tlola iledere lenede ongajibhinca ukwenza isilinda	18
74	Ukuhlanganisa nokukhupa kufikela ku-800	20
75	Okhunye ukuhlanganisa kanye nokukhupa ukufika ku-800	22
76	Amaphetheni weenomboro: amatjhumi ukufika ku-800	24
77	Ulkutjhidea etjhumi	26
78	Ukubuyabuylela: okuhlanu kufika kuma-75	28
79	Amaphetheni weenomboro: ngakuhlanu bekufike ku-800	30
80	Uibusuku kanye nemini	32
81	Ukubuyabuylela: ngakubili bekufike ku-75	34
82	Amaphetheni weenomboro: zangakubili kufika ku-800	36
83	Ukubuyabuylela: ngaku-2 nangaku-5 bekufike ku-75	38
84	Ukubuyabuylela: ngakuthathu bekufike ku-75	40
85	Ukubuyabuylela: ngaku-2, ngaku-3 nangaku-4 bekufike ku-75	42
86	Amaphetheni weenomboro: ngakuthathu bekufike ku-800	44
87	Ukubuyabuylela: ngakune bekufike ku-75	46
88	Iinomboro zamaphethen: ngazine bekufike ema-800	48
89	Ukubuyabuylela kanye nokwahlukanisa: ngaku-2, ngaku-3, ngaku-4, nangaku-5 bekufike ku-75	50
90	Amatshwayo wezinto eziyi-3D	52
91	Amakhithi wemitletlanu gamacezu	54
92	Amanye amacezu	56
93	Ukwaba okusisa emacezwini	58
94	Ibanga elizombako	60
95a	Ukuthengiselana ngemali	62
95b	Asiye eentolo!	64
96	Eminye iminininingwana	66
97	Ukusebenza ngamasenthimitha	68
98	Iinomboro 700 ukufika ku-800	70
99	Ezinye iinomboro kusuka ku-700 kufika ku-800	72
100	Iinomboro 800 kufika ku-900	74
101	Ezinye iinomboro kusuka ku-800 kufika ku-900	76
102a	Ulkukala/Ukumeda izinto	78
102b	Asikale okhunye godu	80



Inomboro	Ishloko	Ikhasi
IO3	Iinomboro 900 kufika ku-1 000	82
IO4	Ezinye iinomboro kusuka ku-900 kufika ku-1 000	84
IO5	Ukuhlanganisa nokukhupa kufika ku-qqq	86
IO6	Kwangendlini	88
IO7	Ukusebenza ngemali	90
IO8	Okhunye ukuhlanganisa kanye nokukhupa bekufike ema-qqq	92
IO9	Okhunye ukuhlanganisa nokukhupa ukufika ku-qqq	94
IIO	Amaphazeli wokumeda/wokulinganisa	96
III	Amaphetheni weenomboro: amatjhumi ukufika ku-900	98
II2	Ulkutjhidea eduze ne-IO	100
II3	Ukubuyabuylela nokuhluhanisa: ngakuhlanu ukufika ku-100	102
II4	Amaphetheni weenomboro: ngakuhlanu bekufike ku-1 000	104
II5	Okhunye okufano mahlangothi womibili	106
II6	Amaphetheni weenomboro: ngakubili bekufike ku-900	108
II7	Ukubuyabuylela nokuhluhanisa: ngakubili bekufike ku-100	110
II8	Ukubuyabuylela kanye nokuhluhanisa ngakuthathu bekufike ku-100	112
II9	Amaphetheni weenomboro: ngakuthathu bekufike ku-1 000	114
I20	Ukubuyabuylela nokuhluhanisa ngakune bekufike ku-100	116
I21	Amaphetheni weenomboro: ngakune bekufike ku-1 000	118
I22	Iingcenyi ezilinganako zokupheleleko	120
I23	Imiraro yamacezu	122
I24	Izinto ezinobujamo be-3D	124
I25	Amanye amacezu	126
I26	Okhunye ukubuthelela nokwaba	128
I27	Amacezu wamathangramu	130
I28a	Ukumeda umthamo	132
I28b	Ukumeda nokuthela	134
	AboSika 5	
	AboSika 6	
	AboSika 7	
	AboSika 8	127
	AboSika 9	129
	AboSika 10	131



UKkz. Angie Motshekga,  
nguNqgonqgotjhe  
weFundu-Sisekelo



UNom. Enver Surty,  
nguSekela  
kaNqgonqgotjhe  
weFundu-Sisekelo

Iincwadi lezi zenzelwe abentwana beSewula Afrika ngaphasi koburholi bakaNqgonqgotjhe wezeFundu-Sisekelo, uMma u-Angie Motshekga, kanye neSekela lakaNqgonqgotjhe wezeFundu-Sisekelo, uNom. Enver Surty.

Iincwadi zokuSebenzela zakwaRainbow ziyingcenyi yeendlela ezinengi zomNyango wezeFundu-Sisekelo wokungenelela onqophe ukuthuthukisa ukusebenza ngcono kwabafundi beSewula Afrika kumagreyidi wokuthoma asithandathu. Njengamanyi wamaHlelo womBuso aphuma phambili, iphrojekthi le isekelwe ngeemali ezibuya esiKhwameni seeMali seLizweloke. 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 ikharihyulamu.

Sitjheje khudlwana ukuhlalha abotitjhore komunye nomunye umsebenzi ngokusebenzisa iinthombe ezitjengisako bona ngikuphi umfundu amele akwenze.

Siyathemba kobana abentwana bazokuthabela ukusebenzisa iincwadi lezi njengombana bakhula bebefunda nje begodu wena titjhore uzokwabelana nabo ithabo lokufunda.

Sinifisela ipumelelo ekusebenziseni iincwadi lezi.



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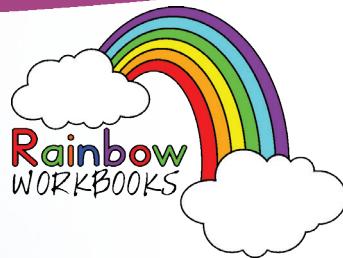
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# iGreyidi 3



i m b a l o

A series of six colorful, tilted rectangular boxes spelling out the word "imbalo". The letters are: i (orange), m (red), b (blue), a (yellow), l (green), and o (purple).

Incwadi le ngeyaka -:



ISINDEBELE

Incwadi

2

65



Ithemu 3

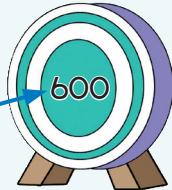


Bala bewutlole.

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

Phimisa iinomboro nawulokhu uzibala.

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



b. Tlola iinomboro ezitlhayelako 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

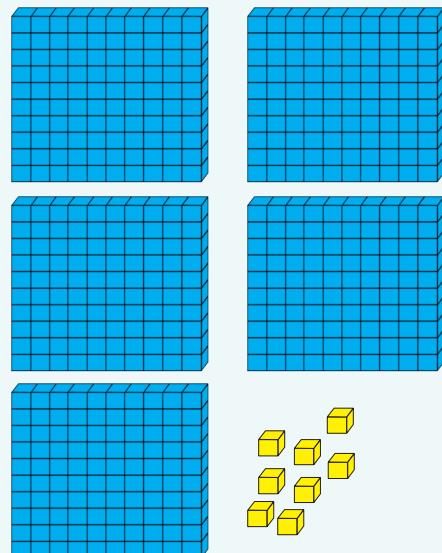
f. Tlola iinomboro ezilandelako ezibu-8 ngephetheni yangaku-5.

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



2

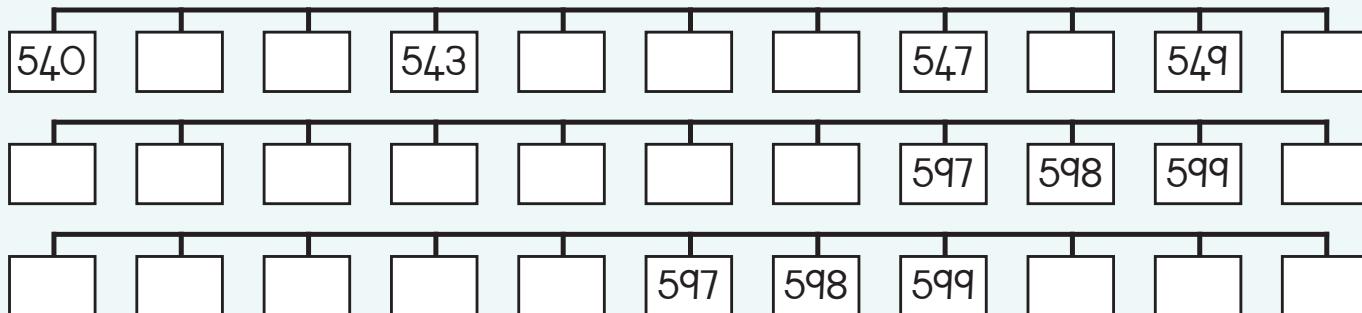
Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?

3

Qedelela inambalayini.



4

Qedelela  
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



5

Tlola ngamagama.

520

Teacher:
Sign:
Date:

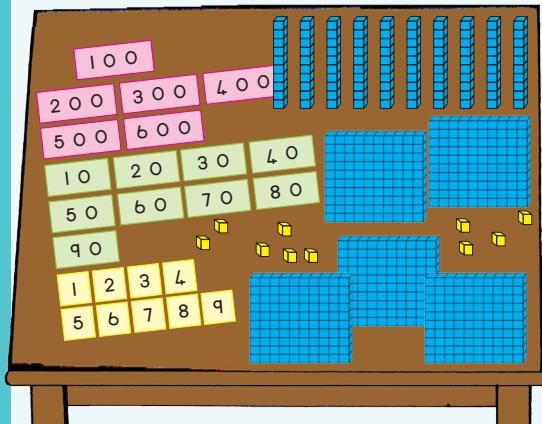
11 12 13 14 15 16 17 18 19 20

66

# Ezinye iinomboro ezisuka ku-500 zifike ku-600

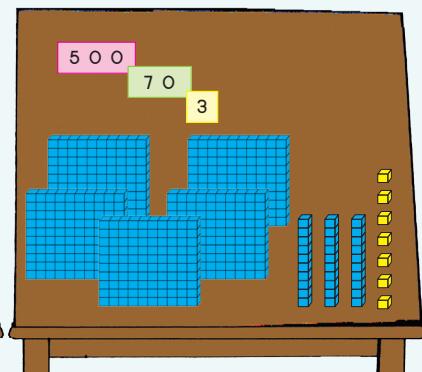
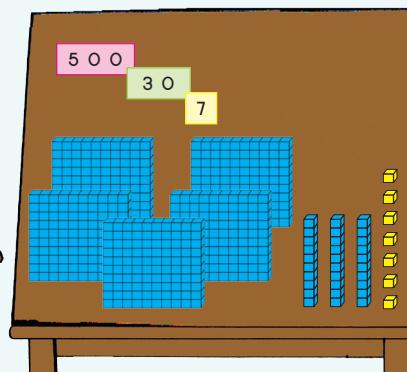
Ilanga:

Ithemu 3

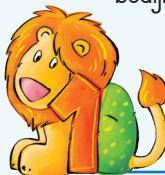


Utitjhere ubuza uPeter kobana  
atjengise inomboro ema-537  
ngekarada lakhe kanye namabhlogo.

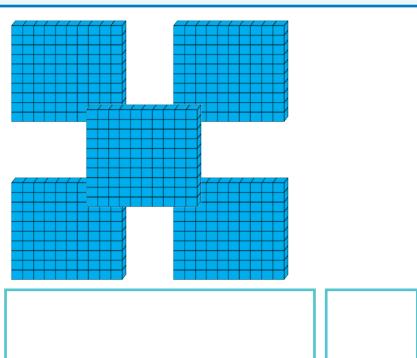
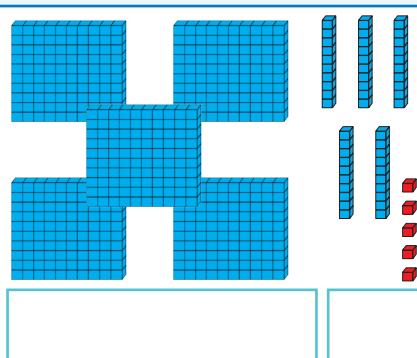
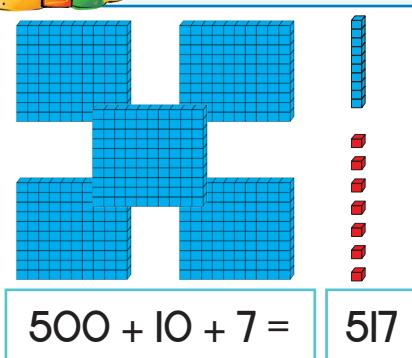
U-Aakar utjengise lokhu.  
Ngikuphi okungakalungi  
akwenzileko?



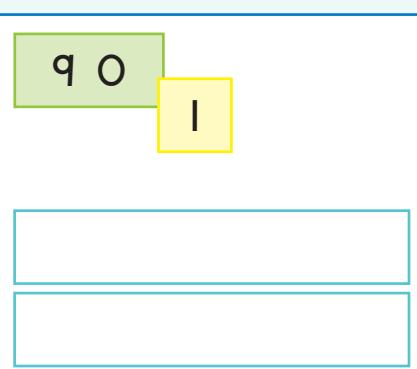
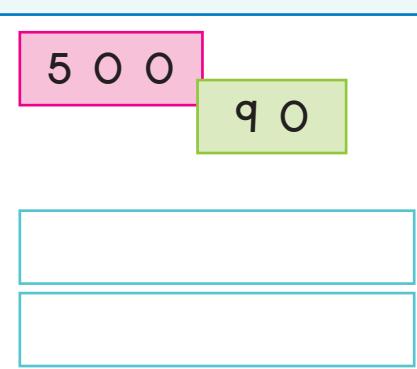
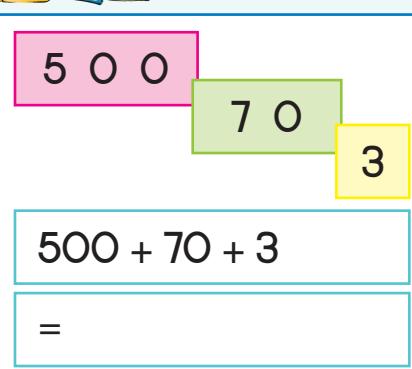
UPeter unamakarada anobukhulu  
bedijidi kanye nesisekelo setjhumi  
lamabhlogo.



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 \_\_\_\_\_



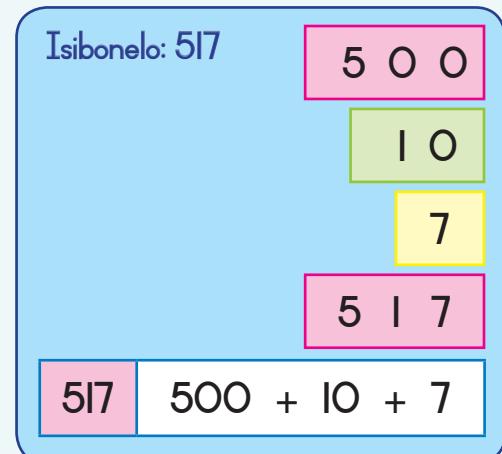
Yehlukanisa inomboro yakho.

- a. Yakha enye nenyе inomboro ngamakarada wakho.
- b. Tlola ubungako bedijidi ngayinye.

Ngemva kwalapho wehlukanise iinomboro zakho.

495	
508	
594	
549	
602	

Kunamadjidi alitjhumi.  
0 1 2 3 4 5 6 7 8 9  
Siwabeka ndawonye ukwenza iinomboro.



Tlola amabizo weenomboro.

221	
486	
369	
419	
491	



11 12 13 14 15 16 17 18 19 20

67

# Iinomboro ukusuka

## ku-600 ukufika ku-700

Ilanga:

Ithemu 3

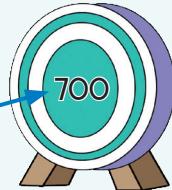


Bala bewutlole.

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 ezitlhayelako 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.

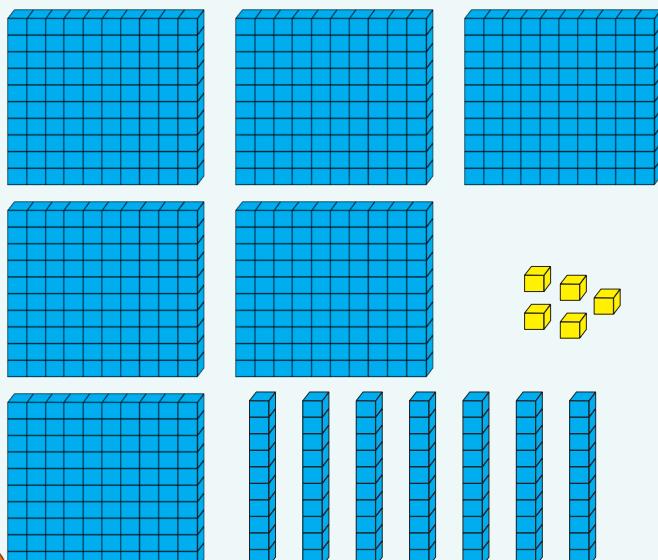
611; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; 633

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

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



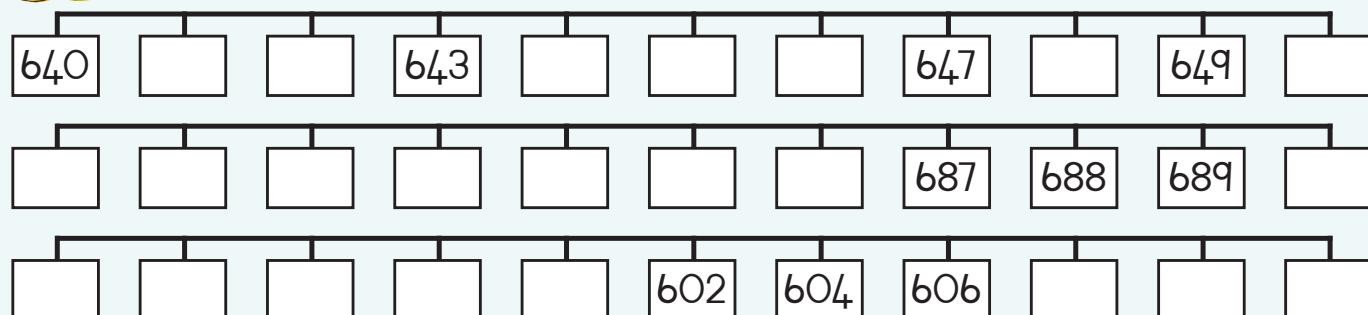
Ubale amabhlogo amangaki?



Ubale amabhlogo amangaki?



Qedelela inambalayini.



Qedelela  
ithejibula.

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

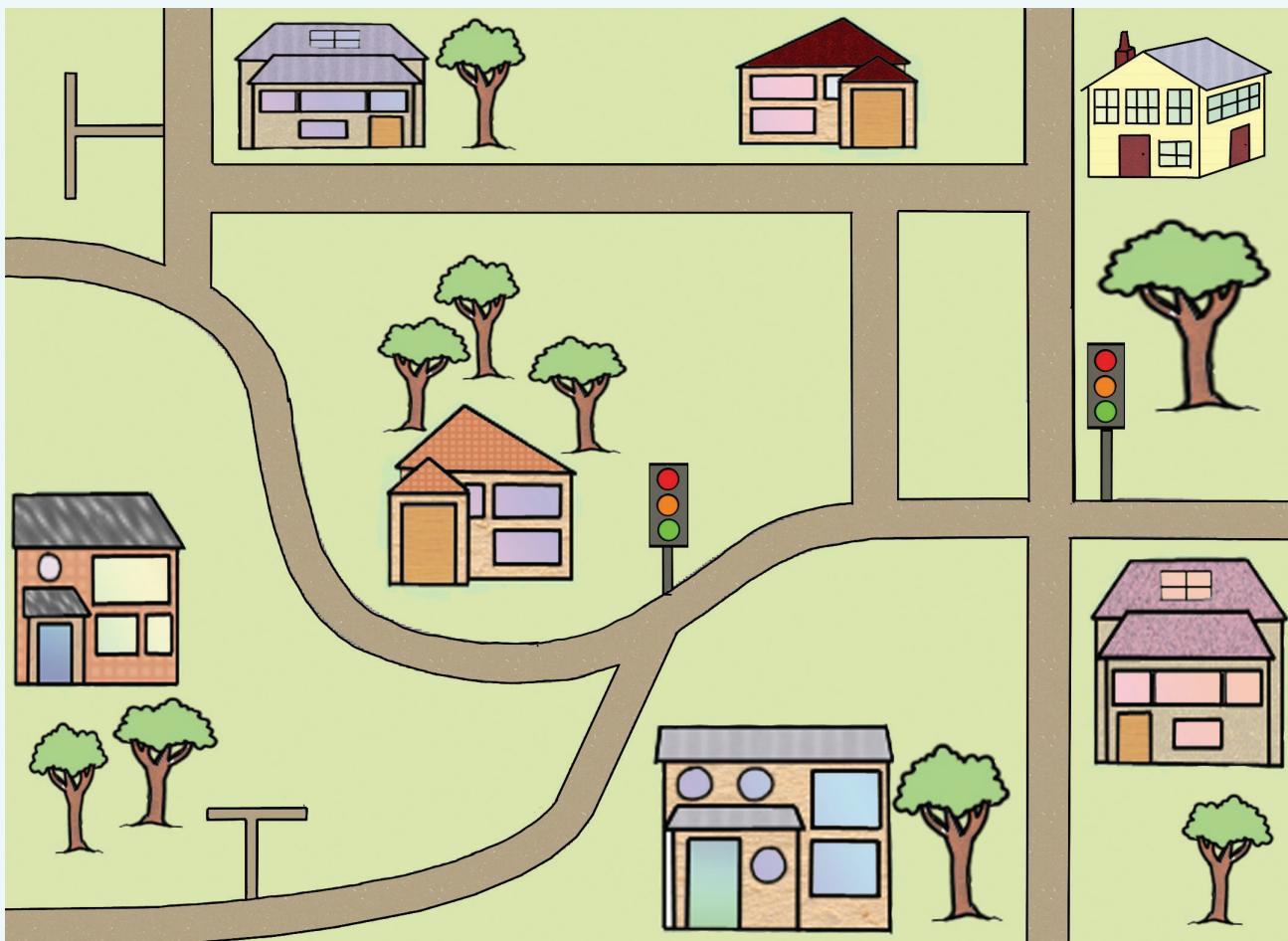
11 12 13 14 15 16 17 18 19 20

## Umebhe

## Ithemu 3

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.



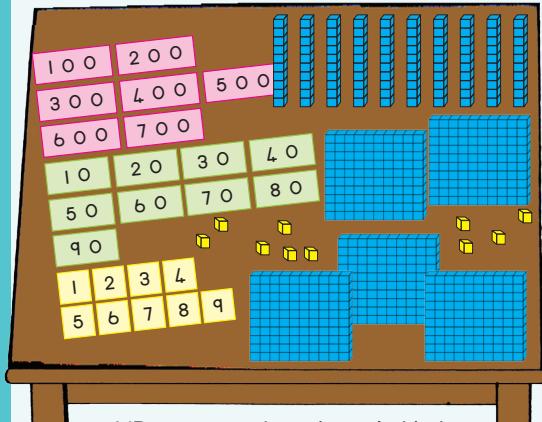

69

## Ezinye iinomboro

# kusuka ku-600 kufika ku-700

Ilanga:

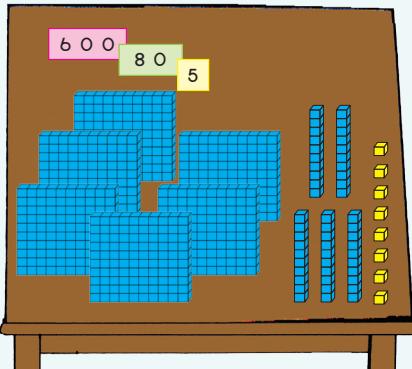
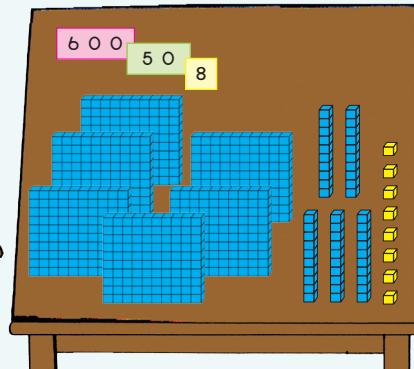
Ithemu 3



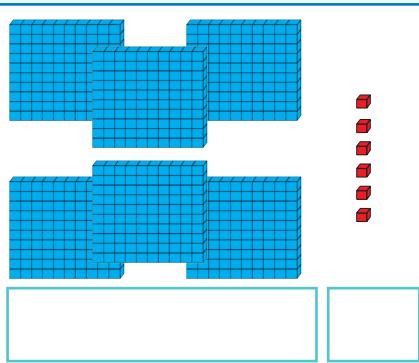
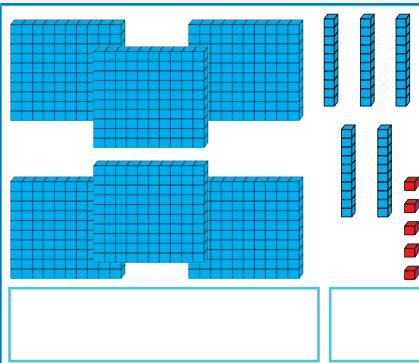
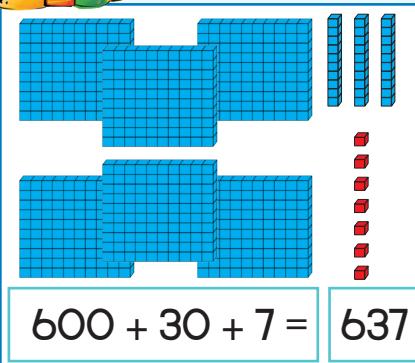
UPeter unamakarada anobukhulu bedijidi kanye nenomboro sisekelo yetjhumi lamabhlogo.

Utitjhere ubawa uPeter kobana atjengise inomboro 658 ngamakarada kanye namabhlogo.

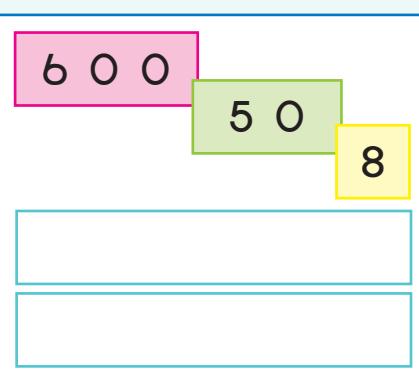
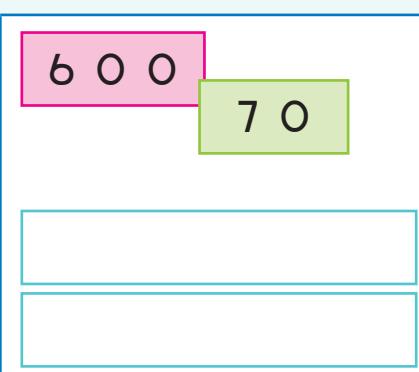
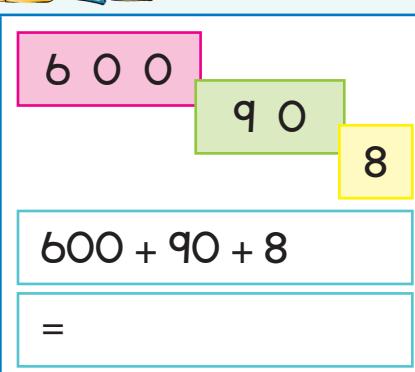
U-Aakar utjengise lokhu. Ngikuphi okungakalungi akwenzileko?



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 > =

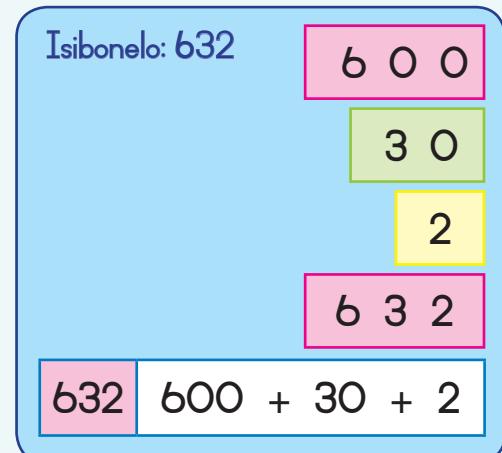
- a. 670 \_\_\_\_\_ 607      b. 688 \_\_\_\_\_ 699  
 c.  $600 + 50 + 5$  \_\_\_\_\_ 655



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	



11 12 13 14 15 16 17 18 19 20



Ilanga:

### Ithemu 3

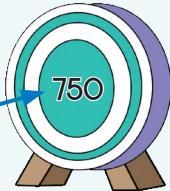


Bala bewutlole.

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

Phimisa iinomboro nawulokhu uzibala.

650



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

b. Tlola iinomboro ezitlhayelako egridini 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.

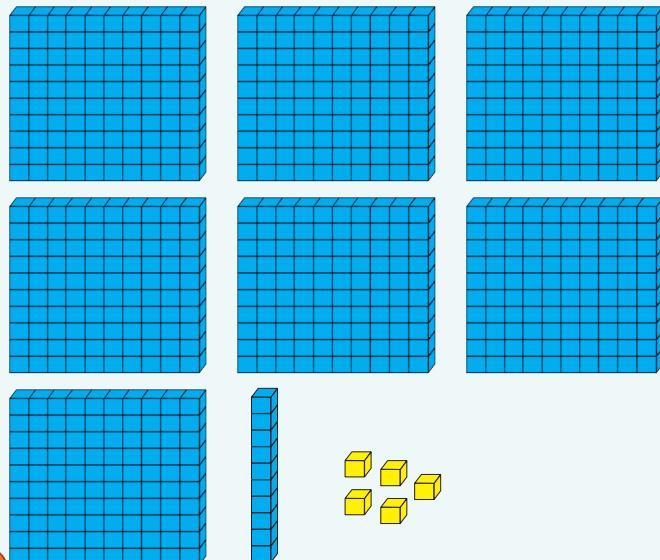
719; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; 749

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

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



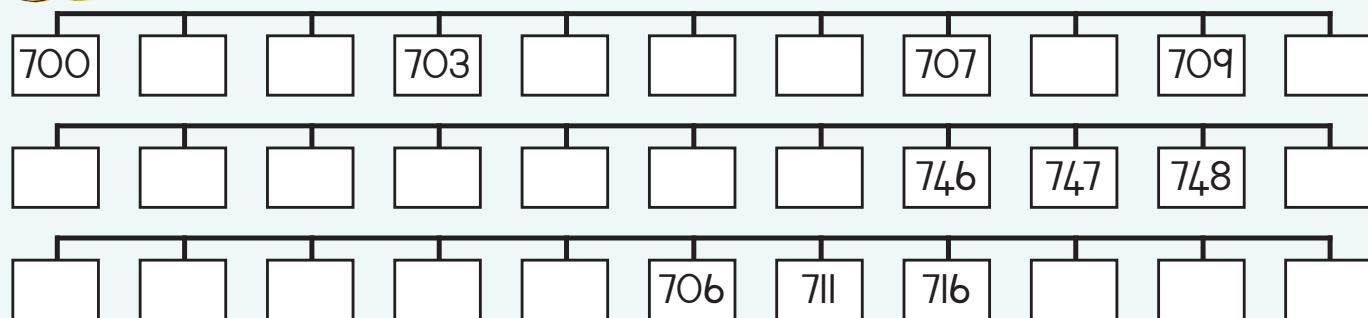
Ubale amabhlogo amangaki?



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



Tlola ngamagama.

706

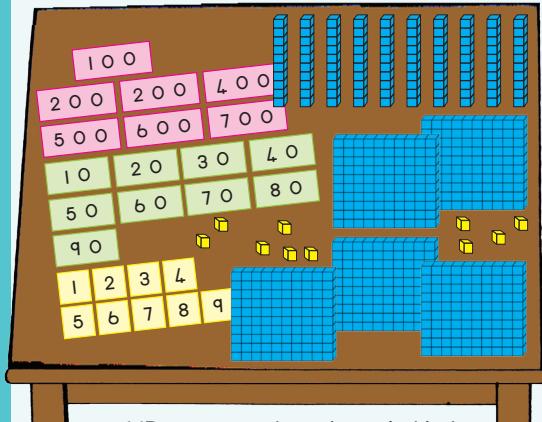
11 12 13 14 15 16 17 18 19 20

71

# Tinomboro kusuka ku-700 kufika ku-750

Ilanga:

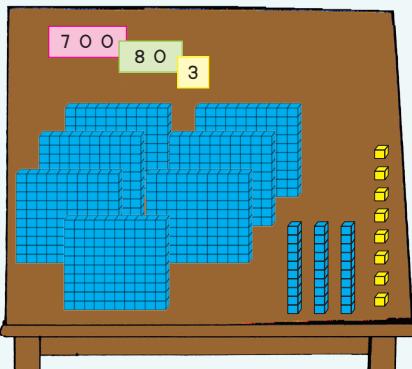
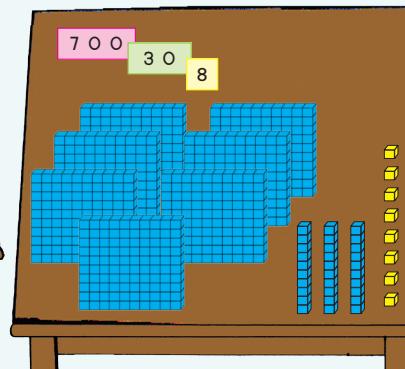
Ithemu 3



UPeter unamakarada anobukhulu  
bedijidi kanye nenomboro sisekelo  
yetjhumi lamabhlogo.

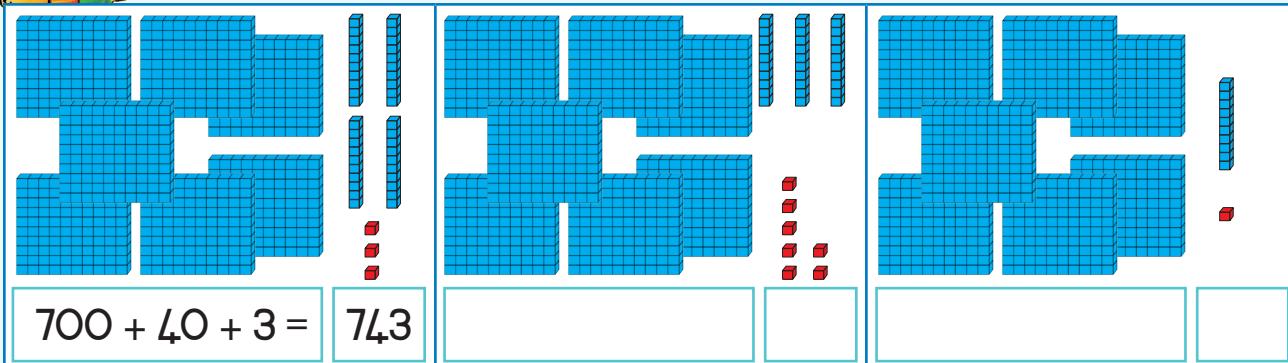


Tlola umutjho weenomboro bese utlola ipendulo.

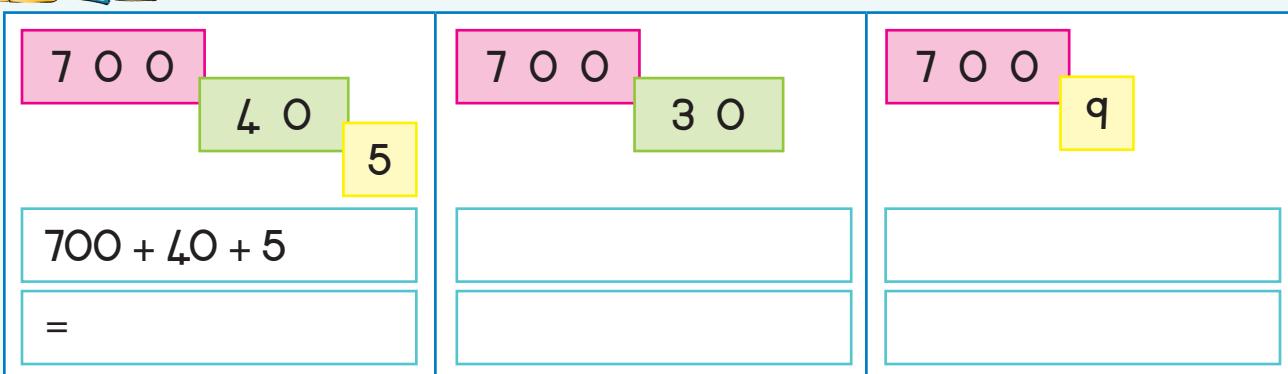


Utitjhere ubawa uPeter kobana  
atjengise inomboro 738  
ngamakarada kanye namabhlogo.

UJabu utjengise lokhu. Ngikuphi  
okungakalungi akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.





Qedelela inambalayini.

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

Nikela zoke iiomboro ezincani khulu kunenomboro 704. \_\_\_\_\_

Nikela iiomboro ezikulu khulu kunenomboro 704. \_\_\_\_\_



Qedelela < nanyana > =

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

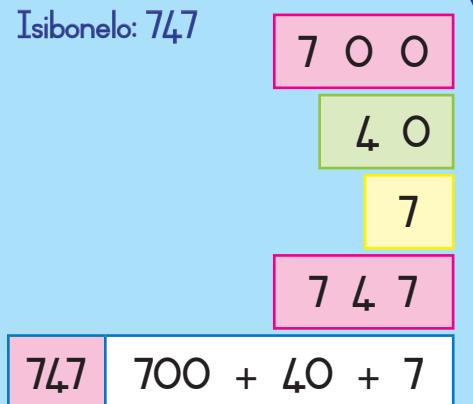


Yehlukanisa inomboro.

- 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	



11 12 13 14 15 16 17 18 19 20

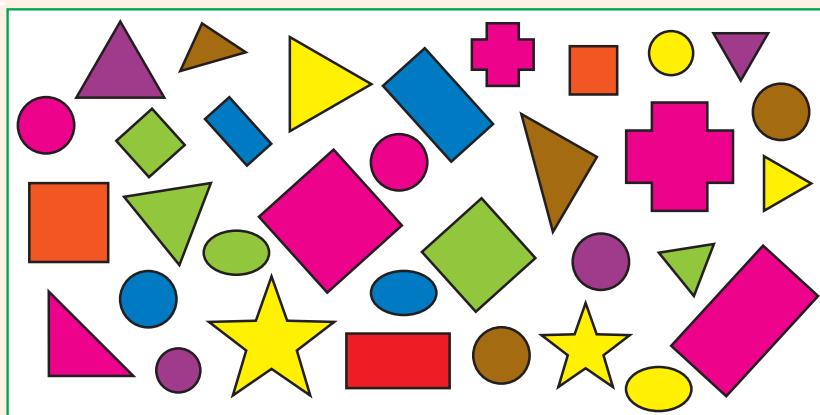
72



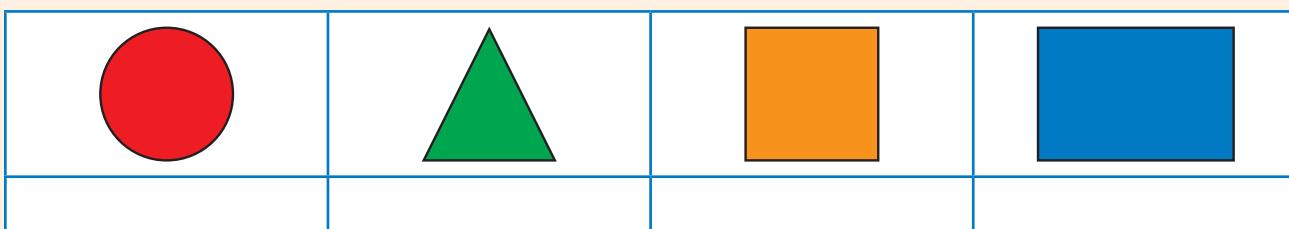
Ilanga:

Ithemu 3

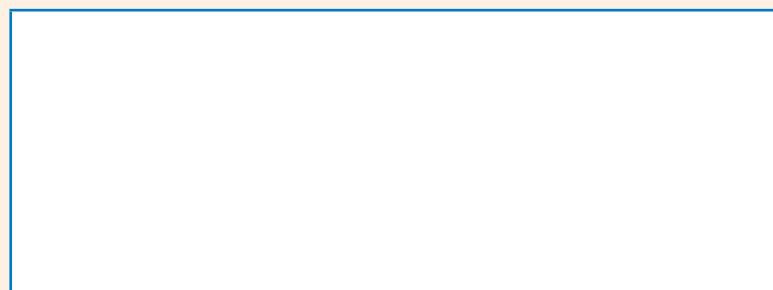
Yitjho nangabe ijamo  
linqophile nanyana  
linamahlangothi  
anqophileko.



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.



73

## Tlola iledere

### lenede ongayibhinca ukwenza isilinda

Ithemu 3



Ngingathenga ini ngemali ema-R500?

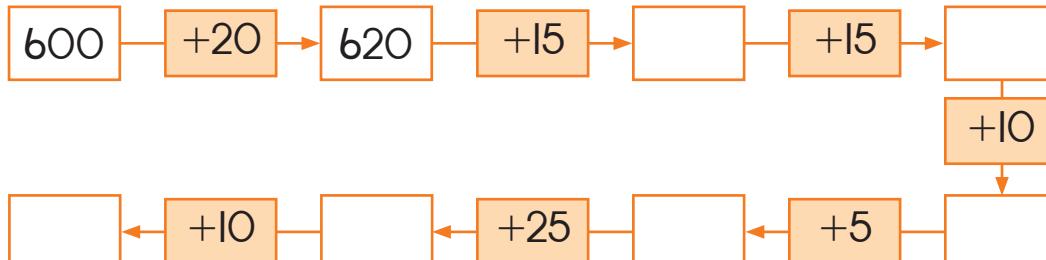
Ngiziphi izinto kilezi  
engingazithenga ngemali  
ema-R500 patsi?



Hlanganisa uye phambili kusuka ku-600.

Tlola iinomboro ezitlhayelako.

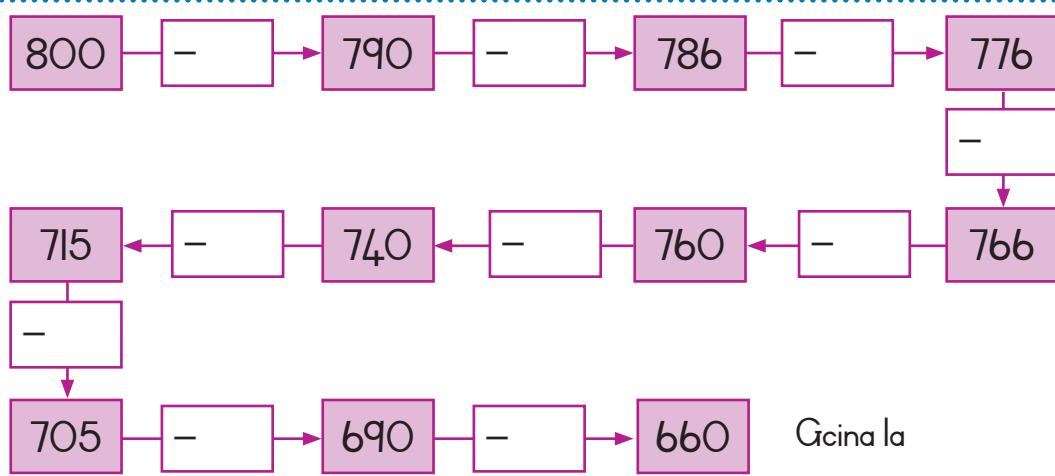
Thoma

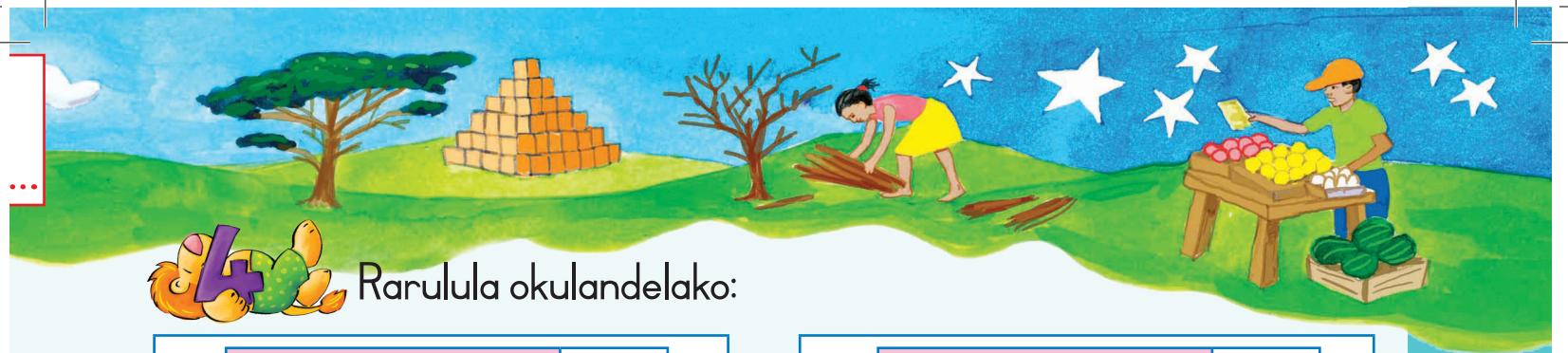


Bala ubuyele emuva ukusuka ku-800.

Njalo tlola uthi "itjhentjhi".

Thoma





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 nelika Sipho.

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

- a.
- b.



Teacher:

Sign:

Date:

74

# Ukuhlanganisa nokukhupha kufikela ku-800

Ilanga:

Ithemu 3

Iminden iyeenomboro

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

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

$$\begin{array}{rcl} 4 + 8 = 12 & 8 + 4 = 12 \\ 12 - 8 = 4 & 12 - 4 = 8 \end{array}$$



Funyana iminden.

Tlola imitjho iyeenomboro emine kelinye nelinye ibuthelelelo leenomboro.

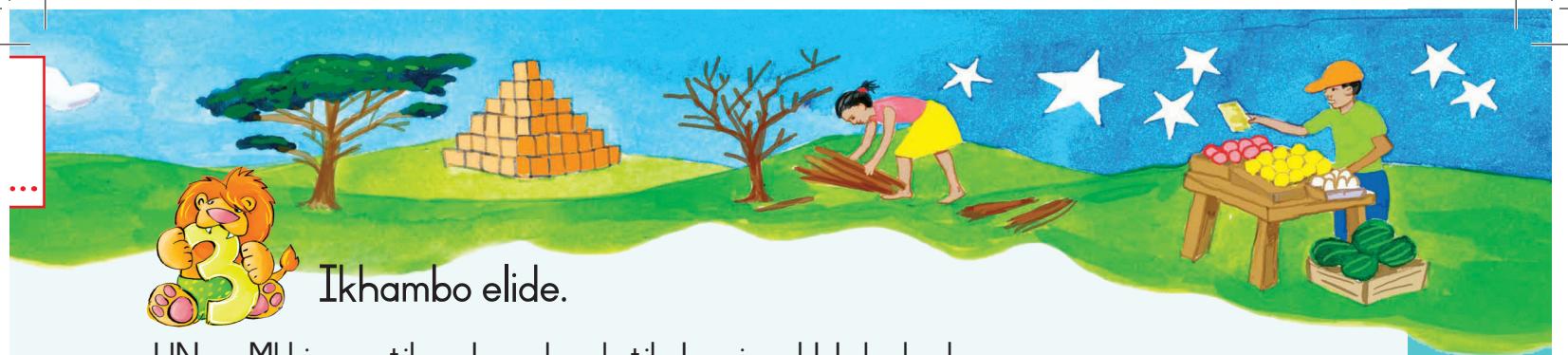
6 8 14				
17 17 34				
25 45 70				
65 335 400				
240 260 500				



Yevela izinto ezhlanganisako.

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 elingangan?

UKumi wenza lokhu:	UPhumla utlola lokhu:
$352 - 166$ $\begin{array}{ccccccc} +4 & +30 & +100 & +52 \\ \hline 166 & 170 & 200 & 300 & 352 \end{array}$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $\begin{array}{r} 300 + 50 + 2 \\ - 100 + 60 + 6 \\ \hline 200 + 10 + 2 \end{array}$ $= 300 + 40 + 12$ $\begin{array}{r} 300 + 40 + 12 \\ - 100 + 60 + 6 \\ \hline 200 + 10 + 2 \end{array}$ $= 200 + 140 + 12$ $\begin{array}{r} 200 + 140 + 12 \\ - 100 + 60 + 6 \\ \hline 100 + 80 + 6 \end{array}$ $= 186 \text{ km}$
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 ngokubuyelelwwe kabilo 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 njihlanganise godu ne-10. $176 + 10 = 186 \text{ km}$

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



Rarululela okulandelako lokhu esiqetjhaneni sephepha:

Sebenzisa nanyana ngiyiphi yeendlela ezingehla.

$$746 - 328$$

$$800 - 499$$



11 12 13 14 15 16 17 18 19 20

75

## Okhunye ukuhlanganisa kanye nokukhupha ukufika ku-800

Ilanga:

Ithemu 3



Zakhele zakho iinomboro zemndeni.

Umsebenzi wokuzijayenza.

8 9 17

Isibonelo: Yakha u-17

5 12 17



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

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



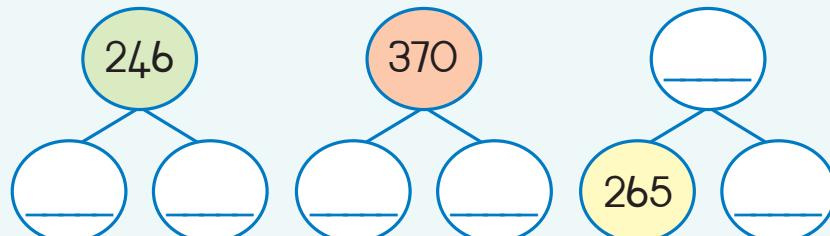
Kenye nenyenye inomboro kezingenzasi, khetha ezinye ezimbili ukwakha umndeni. Tlola imitjho yeenomboro emine (emibili + kanye nemibili –) kenyenye nenyenye inomboro yomndeni.

Hlolisa!  
Madanisa! Lungisa!

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



Funyana inomboro etlhayelako ebuyelelwwe kibili nanyana ehafuliweko.





## Ukuhafula ukuze ukhuphe.

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

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

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	Indlela yesi-2
$256 = 200 + 50 + 6$ $\rightarrow$ Ihafu yaka-200 yi-100 $\rightarrow$ Ihafu yaka-50 yi-25 $\rightarrow$ Ihafu yaka-6 yi-3 $100 + 25 + 3 = 128$ $\rightarrow$ Ihafu yaka-256 yi-128 Okutjho kobana abentwana abali-128 bafunyana iinkoloyana.	$\rightarrow$ Ihafu yaka-250 = 125 $\rightarrow$ Ihafu yaka-6 yi-3 $125 + 3 = 128$ $\rightarrow$ Ihafu yaka-256 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

# Amaphetheni weenomboro: amatjhumi ukufika ku-800

Ilanga:

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?

---

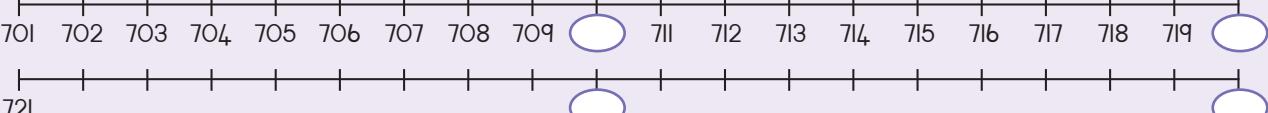
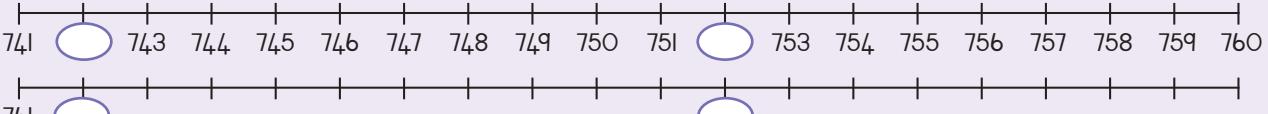


Qalisisa iijingi ezibomvu ebhodinileenomboro.

- a. Ngikuphi okuyevelako ngeeyingi lezi? \_\_\_\_\_
- b. Yelula ukulandelana kweenomboro  
ezilandelako:  
704; 714; 724; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_  
715; 725; 735; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_  
799; 789; 779; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_  
782; 772; 762; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_  
737; 747; 757; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Qedeleta ngenomboro enembako komunye nomunye  
umzombe wamanambalayini alandelako.

- a. 
- b. 



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?



77

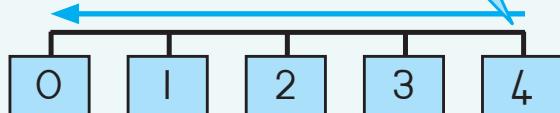


Ilanga:

## Ukutjhideza etjhumiini

Ithemu 3

Zoke iinomboro kusuka ku-4 ukuya emuva zizokutjhidezwa eqandeni.

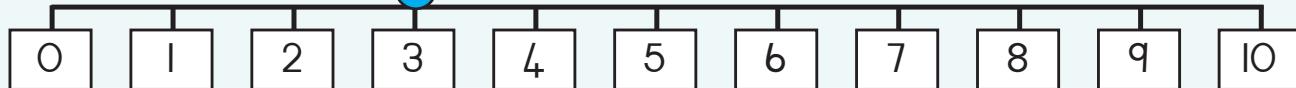


Asikhulume.

Zoke iinomboro kusuka ku-5 ukuya phambili zizokutjhidezwa etjhumiini.



Qala inomboro 3 kunambalayini.



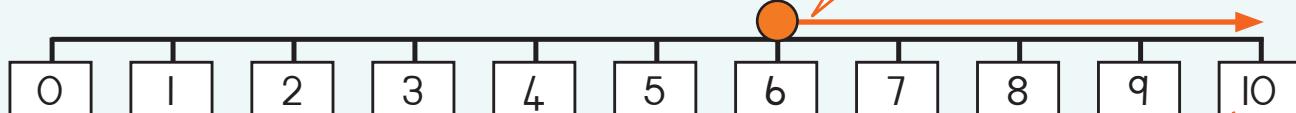
U-3 uzokuba yini lokha nakatjhidezwa etjhumiini eliseduze?



U-3 nakatjhidezwa etjhumiini eliseduze uzokuba liqanda.

Yenza okufanako nangalokhu:

U-6 uzokuba yini lokha nakatjhidezwa etjhumiini eliseduze?

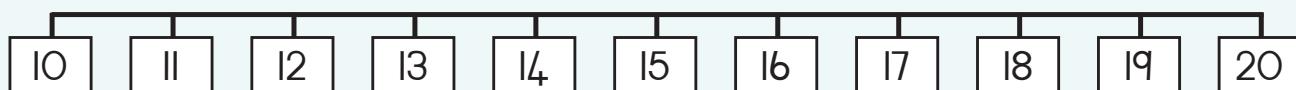


Ipendulo kuzokuba ngu-10.



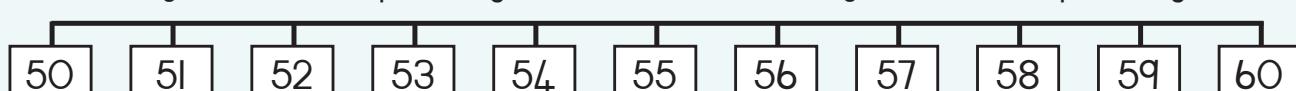
Tjhideza etjhumiini eliseduze.

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 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

Kuhlangana namaphi amatjhumi  
amabili lapha kuno-63?

b. 63

Kuhlangana namaphi amatjhumi  
amabili lapha kuno-37?

c. 37

Kuhlangana namaphi amatjhumi  
amabili lapha kuno-99?

d. 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

Ilanga:

Itthemu 3

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-5Yaba okuma-35  
hlangana kwaba-5Amabuthelelo ali-12  
wangaku-5Yaba okuma-60  
hlangana kwaba-5Amabuthelelo ali-15  
wangaku-5Yaba 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

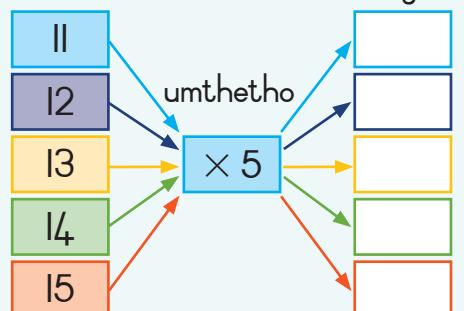
Yaba okuma-39 hlangana kwaba-5

Yaba okuma-73 hlangana kwaba-5



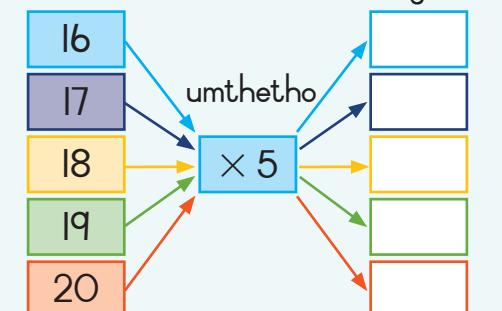
## Qedelela umgwalo owehlako.

okufakako



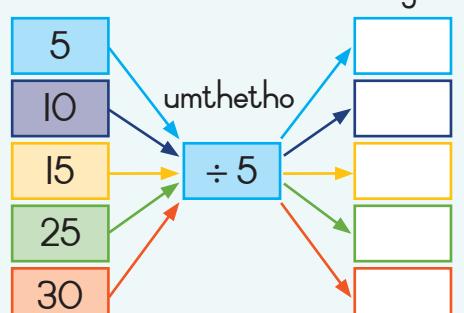
okufunyanako

okufakako



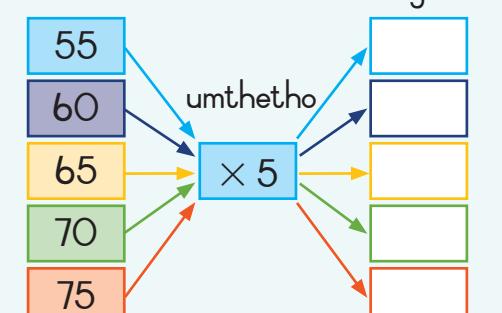
okufunyanako

okufakako



okufunyanako

okufakako



okufunyanako



Qedelela itheyibula elingenzasi:

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

$\times$	II	I2	I3	I4	I5	I6	I7	I8	I9	I10
5										

Uzisebenze njani iimpakala ekumele zitlolwe ngemabhlogweni ahlaza sasibhakabhaka?

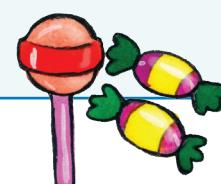


Rarulula okulandelako:

Umma uthenge iimpaka zamaswidi ngenani elima-R70.

Ubhadele ama-R5 ipaka ngayinye.

Umma uthenge iimpaka zamaswidi ezingaki?



II I2 I3 I4 I5 I6 I7 I8 I9 I10

79

## Amaphetheni weenomboro: ngakuhlanu bekufike ku-800

Ilanga:

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.

- Hlanganisa inomboro onikelwe yona nakuhlanu.  
Sewenzelwe inomboro yokuthoma njengesibonelo.

a.  $760 + 5 = 765$

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

1 2 3 4 5 6 7 8 9 10



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 iiydingi ezibomvu ebhodinileenomboro.

a. Ngikuphi okuyeelako ngeeyingi lezi? \_\_\_\_\_

b. Yelula ukulandelana kweenomboro

ezilandelako:

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

703; 708; 713; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

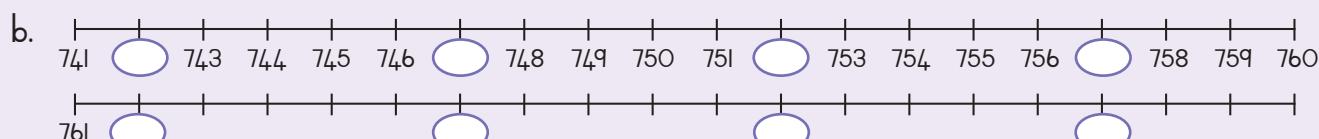
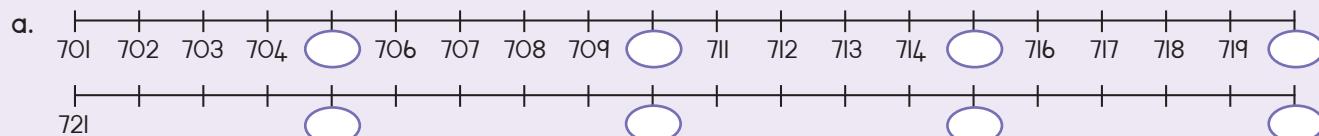
722; 727; 732; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

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

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



Qedelela ngenomboro enembako emzombeni ngamunye wamanambalayini.



Nginenomboro enamadijidi ama-3.



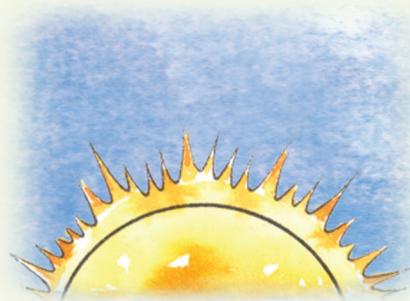
Idijidi yokuthoma ngu-7, elandelako yinomboro enobukhulu obubodwa kunekhomba, bese idijidi lokugcina kube yinomboro engaphasi kuka-7 ngokuhlanu.

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



11 12 13 14 15 16 17 18 19 20

# Ubusuku kanye nemini



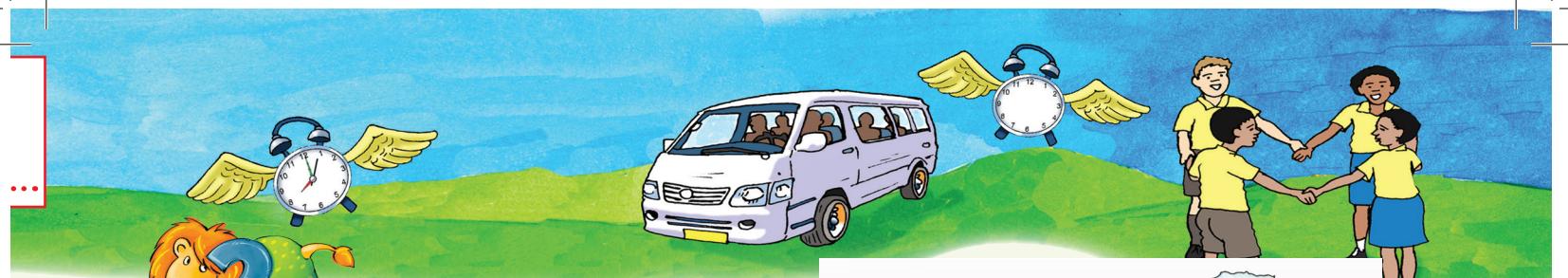
## eCape Town

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



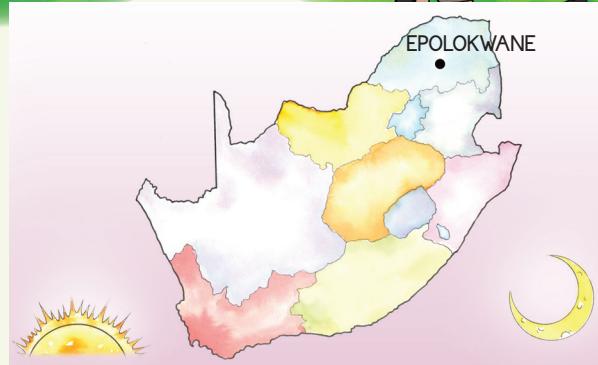
eCape Town	Ukuphuma kwelanga	Ukutjhingga kwelanga	Ubude belanga	Ubude bobusuku
Mhla amalanga ama-23 kuMatjhi	6:53 am	6:53 pm		
Mhla amalanga ama-21 kuJuni	7:51 am	5:44 pm		
Mhla amalanga ali-19 kuSeptemba	6:41 am	6:41 pm		
Mhla amalanga ama-22 kuDisemba	5:32 am	7:58 pm		

- 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

Ithayibula le itjengisa iinkhathi zokuphuma nokutjhinga kwelanga ngeenkhathi ezahlukeneko zomnyaka ePolokwane. Fundisisa iinkhathi ethayibuleni bese uqedelela okulandelako ethayibulini 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 ethayibulini elingehla.



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

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



# Ukubuyabuyelela: ngakubili bekufike ku-75

Ilanga:

Ithemu 3

Ngikuphi okuza  
ngakubili?

Ipara yinye  
yamanyathelo.



Qedelela itheyibula.

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.

$$1 \times 2 = 2$$

$$9 \times 2 = 18$$

$$7 \times 2 = 14$$

$$2 \times 2 = 4$$

$$4 \times 2 = 8$$

$$3 \times 2 = 6$$

$$5 \times 2 = 10$$

$$10 \times 2 = 20$$

$$6 \times 2 = 12$$

$$8 \times 2 = 16$$

Amabuthelelo

Amabuthelelo ali-10  
wangaku-2

Amabuthelelo ali-15  
wangaku-2

Amabuthelelo ama-20  
wangaku-2

Amabuthelelo ama-35  
wangaku-2

Ukubuyabuyelela

$$10 \times 2 = 20$$

Ukwaba

Yaba ama-20 hlangana  
kokubili-2

Yaba ama-30 hlangana  
kokubili-2

Yaba ama-40 hlangana  
kokubili-2

Yaba ama-70 hlangana  
kokubili-2

Ukwehlukanisa

$$20 \div 2 = 10$$



Qedelela itheyibula.

Ukwaba

Yaba ama-21 hlangana kokubili-2

Yaba ama-33 hlangana kokubili-2

Yaba ama-67 hlangana kokubili-2

Yaba ama-75 hlangana kokubili-2

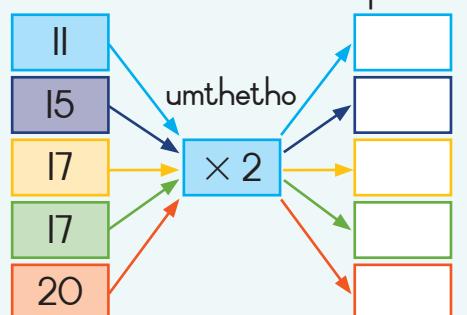
Hlukanisa

$$21 \div 2 = 10 \text{ isalela ngoku-1}$$



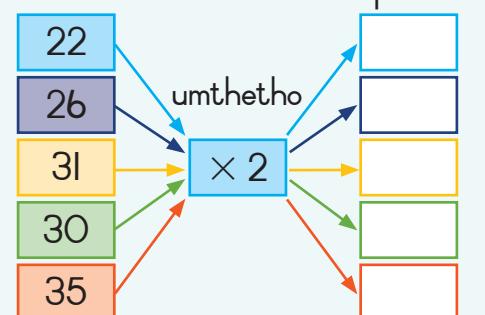
## Qedelela umgwalo owehlako.

okufakiweko

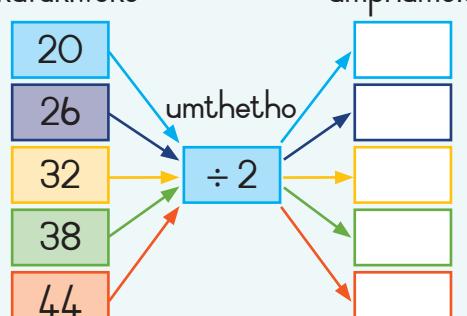


umphumela

okufakiweko

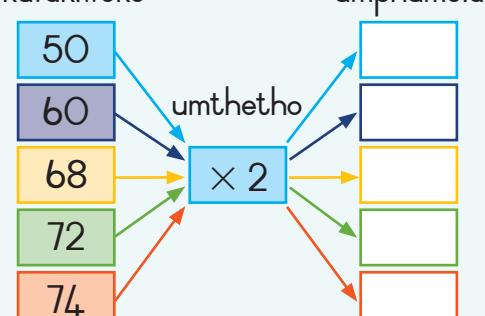


okufakiweko



umphumela

okufakiweko



## Qedelela amatheyibula angenzasi:

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

$\times$	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 yimalini itjhentjhi yami?



II I2 I3 I4 I5 I6 I7 I8 I9 20

## 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 ngakuhanu 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.

$$\text{a. } 764 + 2 = 766$$

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 iiyingi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyevelako ngeeyingi lezi? \_\_\_\_\_

- b. Yelula ukulandelana kweenomboro  
ezilandelako:  
701; 703; 705; \_\_\_\_\_ ; \_\_\_\_\_ ;  
701; 703; 705; \_\_\_\_\_ ; \_\_\_\_\_ ;  
725; 727; 729; \_\_\_\_\_ ; \_\_\_\_\_ ;
- 799; 797; 795; \_\_\_\_\_ ; \_\_\_\_\_ ;  
783; 785; 787; \_\_\_\_\_ ; \_\_\_\_\_ ;  
779; 781; 783; \_\_\_\_\_ ; \_\_\_\_\_ ;



Qedelela ngenomboro enembako kesinye nesinye isiyungi  
kumanambalayjni alandelako.

- a.
- b.



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?



83

## Ukubuyabuyelela:

# ngaku-2 nangaku-5 bekufike ku-75

Ilanga:

Ithemu 3



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- $4 \times 2$  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:

$$24 \times 3$$

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

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

$$= 60 + 12$$

$$= 72$$

a.  $13 \times 3$

b.  $18 \times 3$

c.  $12 \times 5$

d.  $21 \times 3$

e.  $14 \times 3$

f.  $25 \times 3$

g.  $12 \times 3$

h.  $15 \times 5$



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?



11 12 13 14 15 16 17 18 19 20

# Ukubuyabuyelela: ngakuthathu bekufike ku-75

Ilanga:

Ithemu 3

Ngikuphi  
okuza  
ngakuthathu?  
Amavilo  
womlelenjani  
onamavilo  
amatathathu.



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-q?
- Mangaki amavilo asemlelenjaneni eli-IO?

Madanisa inani kanye  
nombuzo ongesandleni  
sesincele:

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



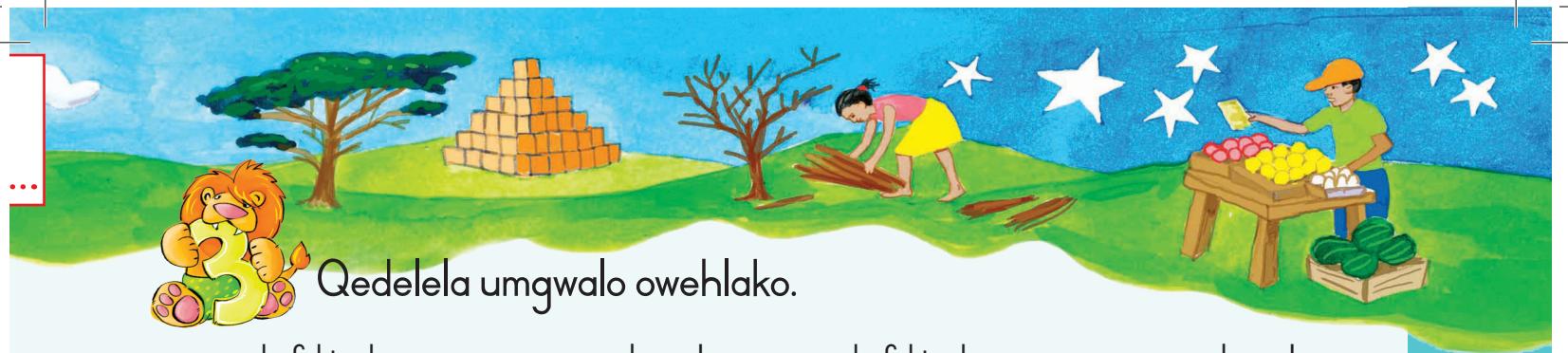
Qedeleta itheyibula.

Amabuthelelo	Ukubuyabuyelela	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 umgwaloo wehlako.

okufakiweko

10
12
14
16
22

umphumela


umthetho

$\times 3$

okufakiweko

18
30
36
42
72

umphumela


umthetho

$\div 3$

okufakiweko

11
13
15
23
25

umphumela


umthetho

$\times 3$

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															

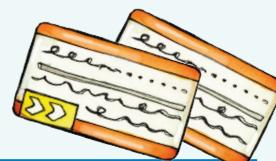
Uyisebenze njani ipendulo yalapha amabhlogo anombala ohlaza sasibhakabhaka?



Rarulula okulandelako:

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

Sebaboke babhadele malini?



11 12 13 14 15 16 17 18 19 20

85

# Ukubuyabuyeleta: ngaku-2, ngaku-3 nangaku-4 bekufike ku-75

Ilanga:

Ithemu 3



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- $5 \times 2$  ngendlela elandelako:

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyeletlweko	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 okubuyeletlweko	Ukuhlela	Amaqiniso

$$6 \times 4 = 24$$

Ukubala ngokweqa	Amabuthelelo alinganako	Ukuhlanganisa okubuyeletlweko	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 seyi yoke.  
Sifuna ukuyaba ngokulingana hlangana nathi sobathathu.



11 12 13 14 15 16 17 18 19 20

# Amaphetheni weenomboro: ngakuthathu bekufike ku-800

Ilanga:



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 ngakuhlanu 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



Qedelela 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 okuyeleta ngeeyingi? \_\_\_\_\_

- b. Yelula ukulandelana kweenomboro  
ezilandelako:  
 $704$ ;  $707$ ;  $710$ ; \_\_\_\_\_; \_\_\_\_\_;  
 $773$ ;  $776$ ;  $779$ ; \_\_\_\_\_; \_\_\_\_\_;

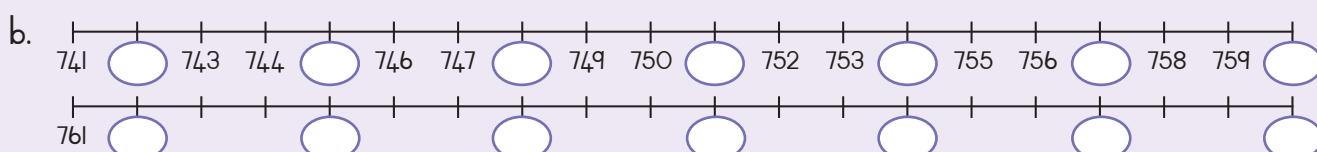
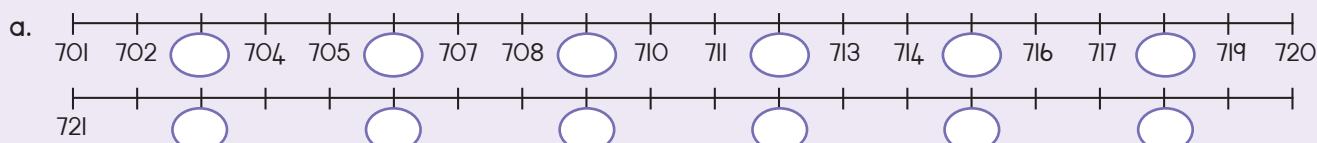
$779$ ;  $776$ ;  $773$ ; \_\_\_\_\_; \_\_\_\_\_;

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

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



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



Nginenomboro enamadijidi 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?



# Ukubuyabuyelela: ngakune bekufike ku-75

Ithemu 3

Ngikuphi okuza ngakune?

Amavili wekologyi.



Mangaki amavili?

Ikologyi eyo-1?

Iinkoloyi ezi-2?

Iinkoloyi ezi-3?

Iinkoloyi ezi-4?

Iinkoloyi ezi-5?

Iinkoloyi ezisi-6?

Iinkoloyi ezili-7?

Iinkoloyi ezibu-8?

Iinkoloyi ezili-9?

Iinkoloyi ezili-10?

Madanisa isibalo kanye  
nombuzo ongesinceleni:

$9 \times 4 = 36$

$7 \times 4 = 28$

$2 \times 4 = 8$

$4 \times 4 = 16$

$3 \times 4 = 12$

$5 \times 4 = 20$

$1 \times 4 = 4$

$10 \times 4 = 40$

$6 \times 4 = 24$

$8 \times 4 = 32$



Qedeleta itheyibula.

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	



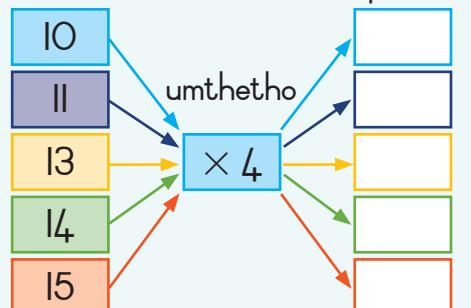
Qedeleta itheyibula.

Ukwaba	Ukwahlukanisa
Yaba u-35 ngaku-4	$35 \div 4 = 8$ isalela ngu-3
Yaba u-55 ngaku-4	
Yaba u-70 ngaku-4	
Yaba u-75 ngaku-4	



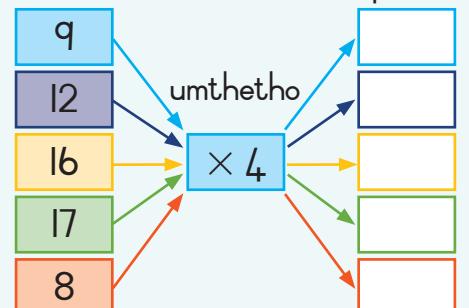
Qedelela umgwalo owehlako.

okufakiweko

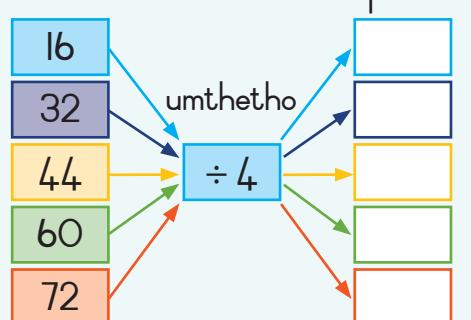


umphumela

okufakiweko

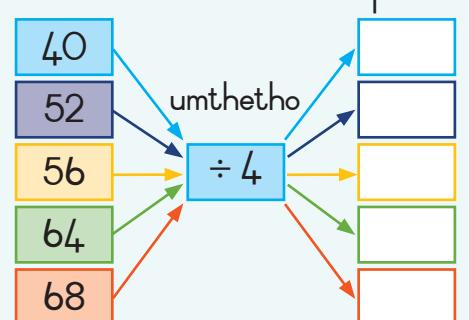


okufakiweko



umphumela

okufakiweko



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?



11 12 13 14 15 16 17 18 19 20

# Inomboro zamaphethen: ngazine bekufike ema-800

Ilanga:



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 _____
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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 iyingi ezihlaza sasibhakabhaka ebhodini leenomboro.

a. Ngikuphi okuyevelako ngeeyingi lezi?

Yelula ukulandelana kweenomboro ezilandelanako: \_\_\_\_\_

b. Yelula ukulandelana kweenomboro

ezilandelanako: \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

ezilandelanako: 703; 707; 711; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

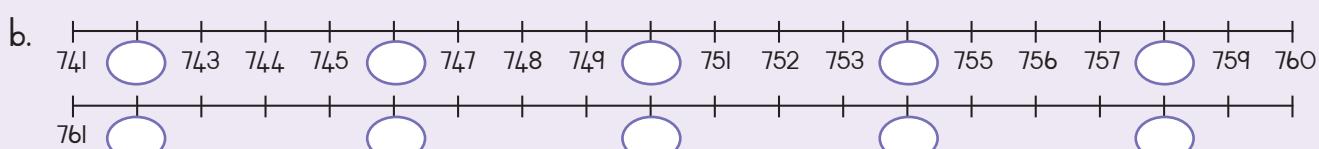
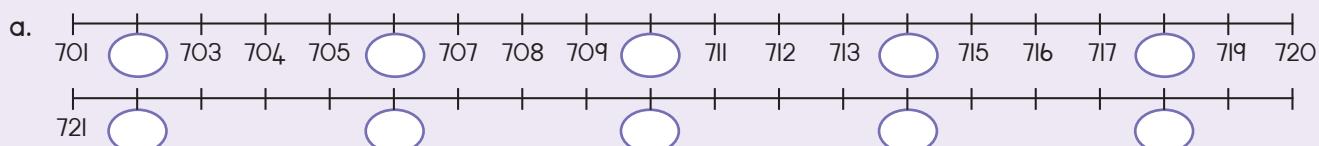
ezilandelanako: 783; 779; 775; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

ezilandelanako: 773; 777; 781; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

ezilandelanako: 799; 795; 791; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Qedelela 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 uyalala uya phambili ngakune ukusuka enomborweni le. Izokuba yini inomboro leyo?



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



Ungakuphendula msinya kangangani okulandelako?

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



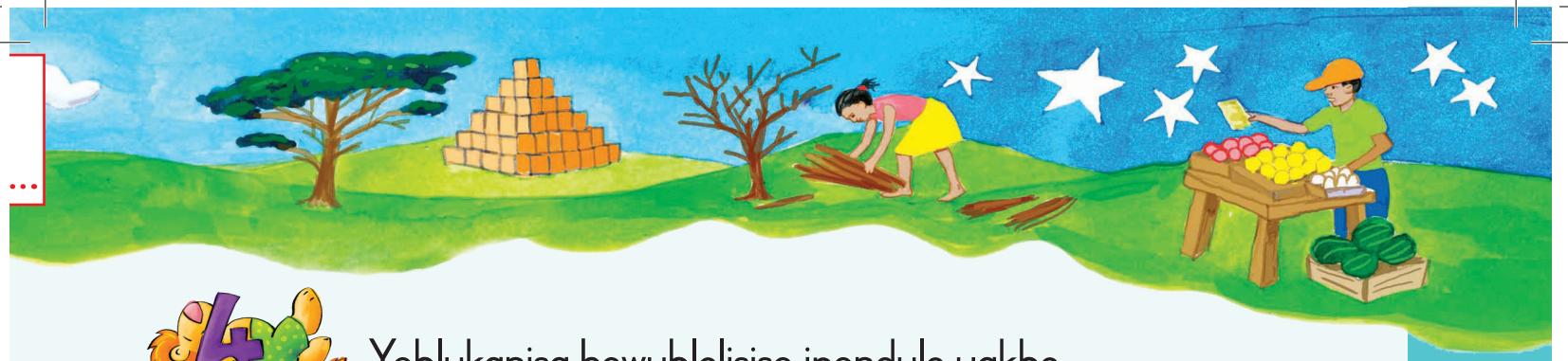
Faka umbala amabhlogo akunikela isibalo  
esikunikela isalela.

$12 \div 2 =$ 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 bewuhlolisise 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?



11 12 13 14 15 16 17 18 19 20

90



Ilanga:

Ithemu 3



Qala iinthombe.

Khuluma ngelingaphezulu lezinto ezilandelako usebenzise amagama:  
ukuba sipara nokugobana.



Qala iinthombe bese uqedelela imitjho nemibuzo.



a. Ibholo

\_\_\_\_\_.



b. Kungani ibholo  
ingatjheleli?  
\_\_\_\_\_



c. Isilinda

\_\_\_\_\_.

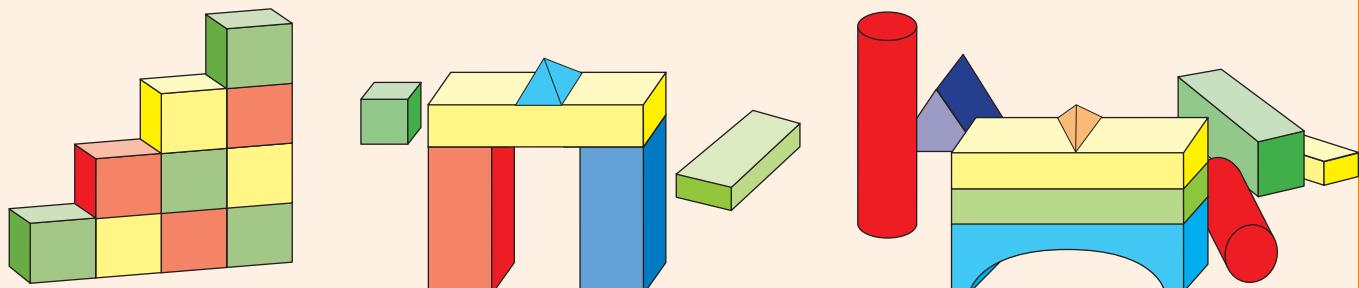


d. Ingabe isilinda  
iyatjhelela?  
\_\_\_\_\_



Yitjho into esetjenzisiweko kesinye  
nesinye isithombe.

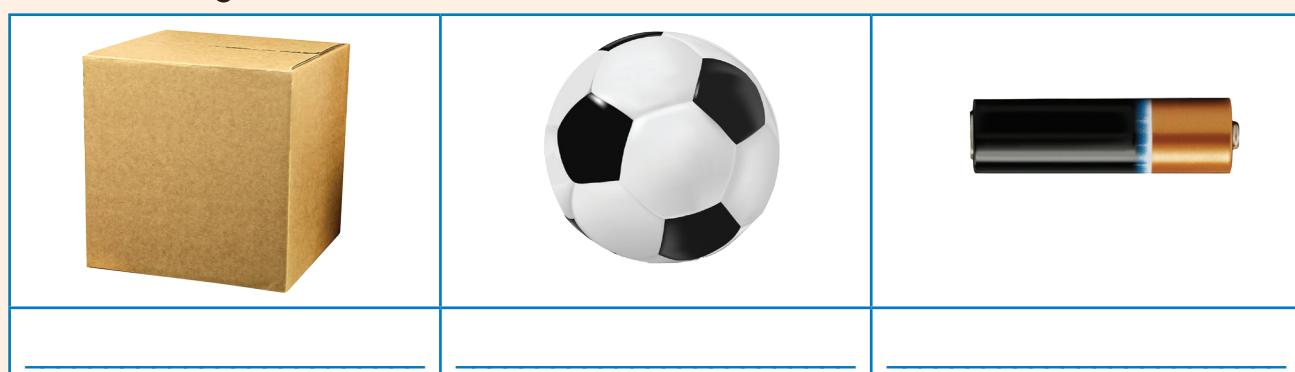
Kumele ubale into kanye. Yitjho kobana into ingagedeka nanyana ingatjhelela.



--	--	--



Yitjho nangabe i-3D inelingaphezulu elisipara nanyana  
eligobeneko.



Gwala okulandelako:

Ibhoksi libhalanse phezu kwesilinda.	Ibholo ibhalanse phezu kwesilinda.	Isilinda ibhalanse phezu kwebhoksi.
---	---------------------------------------	--





Ilanga:



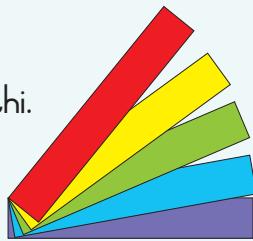
## Amakhithi wemitletlana yamacezu

Ithemu 3



**Okupheleleko**  
Sika iphepha le-5

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



Phezu komtletlana owodwa tlola, "Okupheleleko"

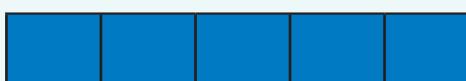
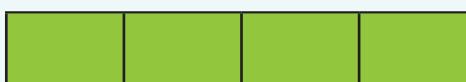
Thatha umtletlana omunye bese uwubhinca ngokuyeleta okukhulu wenze isiquntu. Yewuwuvule. Uneengceny ezinganako ezingaki?

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

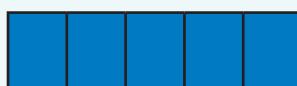
Thatha umtletlana wesithathu bese uyawubhinca ube yihafu bese uwubhinca godu ube yihafu. Yewuwuvule. Uneengceny ezingaki ezinganako? Tlola  $\frac{1}{4}$  kelinye nelinye icezu eliyengceny yesine, bese usika lapha ubhince khona.

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

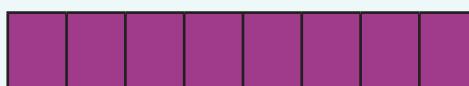
Okukodwa okupheleleko



Sebenzisa ikhithi yamacezwana wamacezu ukuphendula imibuzo.



Kungaki kwesihlanu okulingana nokukodwa okupheleleko?



Kungaki okukodwa kobunane okulingana nehafu?



Amacezu kunambalayini.

Umtletlana utjengisa okukodwa okupheleleko.

Okukodwa okupheleleko

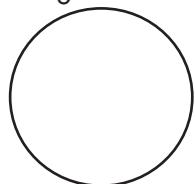
Isiyangi sitjengisa okukodwa okupheleleko.

Okukodwa  
okupheleleko

Hlukanisa umtletlana ngeengceny zangokwesithathu.

Hlukanisa isiyangi ngeengceny zangokwesithathu.

Faka umbala ingceny yangokwesithathu.

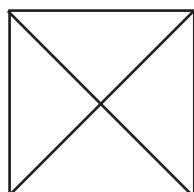


Faka umbala ingceny yangokwesithathu.

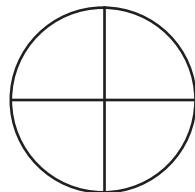


## Khalara okulandelako:

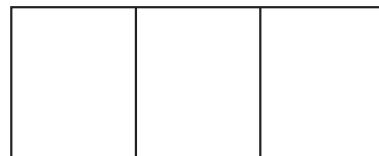
Ihafu eyodwa



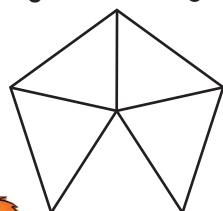
Amakota amathathu



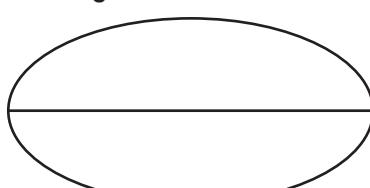
Iingceny eziimbili  
zangakuthathu



Iingceny eziine zangakuhanu



Ihafu eyodwa



Amakota amathathu



## Gwala okulandelako:

Amakota amathathu usebenzisa  
isikwere.

Ihafu usebenzisa isiyungi.

Amacezu wangakuthathu amabili  
usebenzisa uncantathu.

Amacezu wangakuhanu amane  
usebenzisa isiyungi.

Okune kokobunane usebenzisa  
uncane.

Amacezu amabili wangakuthathu  
usebenzisa irekthengela.

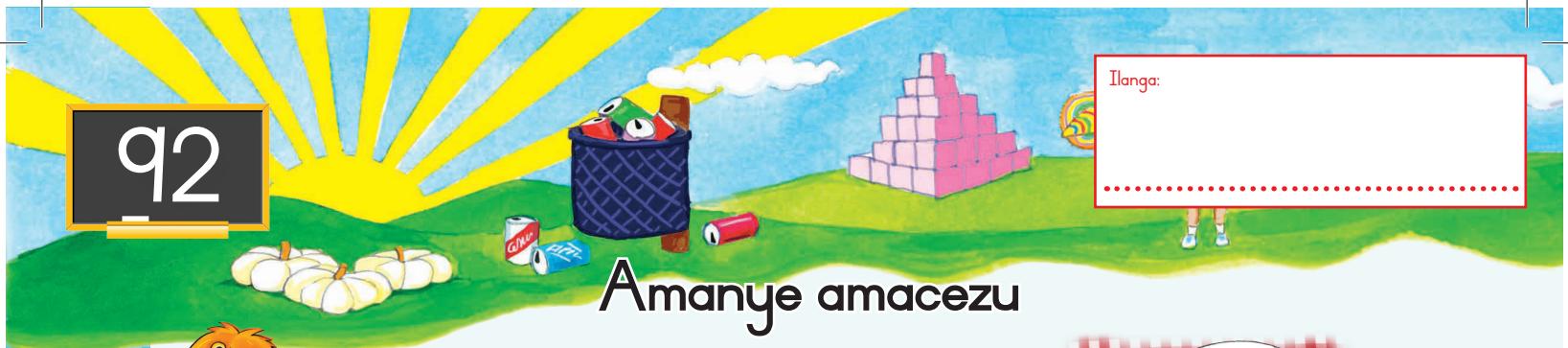


## Lungisa ikhithi yakho.

- Sika esinye nesinye isiyungi seeyingi ezisi-6 kibo Sika 6.
- Sika ezihlalu zeeyingi zibe ziinqetjhana emacaphazini.
- Leyibula icezu ngalinye:
  - Kelinye ihangothi tlola icezu le-iri elilodwa.
  - Kelinye ihangothi, tlola inani lemizuzu ecezwini lelo.



q2



Ilanga:

.....

Ithemu 3



### 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.



Gwala ingcenyе yakaSipho.



Gwala ingcenyе yakaSipho, yakaGugu  
neyaka-Andile.



Gwala ingcenyе yakaSipho neyakaGugu.

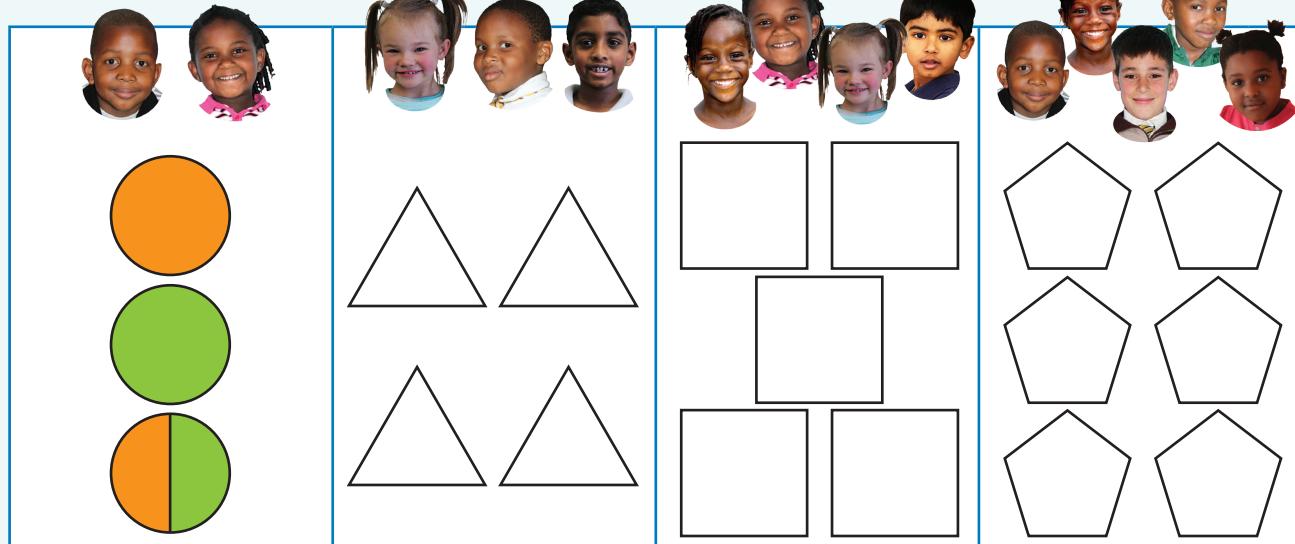


Ephayini ngisalelwе  
licezu elinganganі?





Yaba amabumbeko hlangana kwabentwana  
ngokuthi ugwale umuda bese uwufaka umbala.



Abangani abane babelana isiselo  
esineengojwana ezihlalu 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.



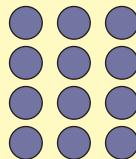
q3

Ilanga:

## Ukwaba okusisa emacezwini

Ithemu 3

Lapha  
kuneembalisi  
ezili-12



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

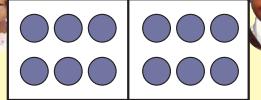
Sithi lokhu yihafu  
(eyodwa).

Sithi lokhu  
yihafu (eyodwa).



Sabelana ngeembalisi esizabelane  
sobabili ngokulingana.

Ngineembalisi  
ezisithandathu.

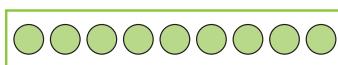


Ngineembalisi  
ezisithandathu.



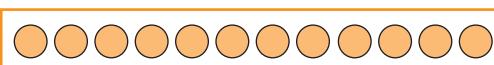
Gwala iinthombe zalokhu okulandelako bese  
uphendula imibuzo.

Abangani abathathu babelana amabholo  
amathathu.



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

Abangani abane babelana amabholo alitjhumi  
nambili. abathathu babangani babesana.



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



UMandla uzokufunyana liphi icezu?

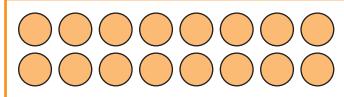
ULisa uzokufunyana liphi icezu?

Ibizo lami  
nginguMandla.



- UManbla noLisa bazokufunyana amabholo amangaki?

Ibizo lami  
nginguLisa.



- UManbla 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? \_\_\_\_\_

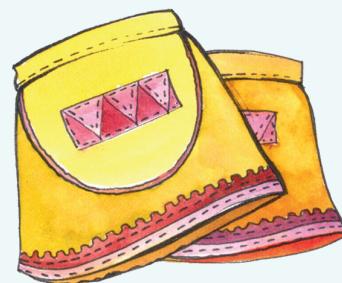


## Iinkhetho zokudansa.

Umma nogogo bathunga iinkhetho zokudansa.

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

Itjhila libiza imali ema-R6 imitha.



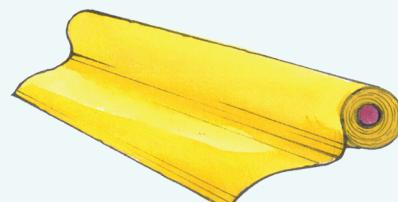
- a. Bangathunga iinkhetho ezingangani ngetjhila elilandelako?

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 \_\_\_\_\_ R180 \_\_\_\_\_



Teacher:

Sign:

Date:

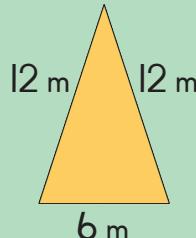
94

Ilanga:

### Ithemu 3

## Ibanga elizombako

Igama elithi ipherimitha litjho ubude nanyana ibanga elizombe into ethileko.



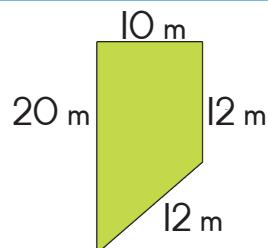
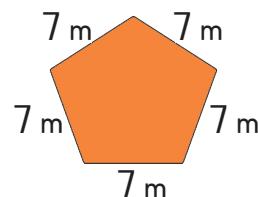
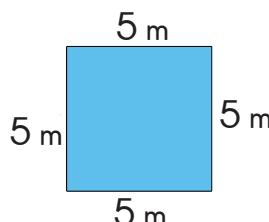
Umlimi uneplodi elingaba silinganiso sehlabathu enguncantathu.

Singafunyana ipherimitha yeplasi ngokuhlanganisa ubude bamahlangothi.

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



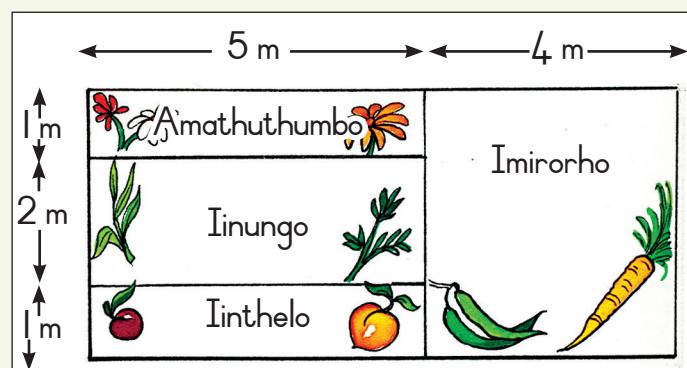
Funyana amapherimitha alandelako.



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 ekuboSika 7 ukuhlela isivande sakho. Tjengisa koke lapha umede khona kanye neentjalo ongathanda kobana uzitjale.

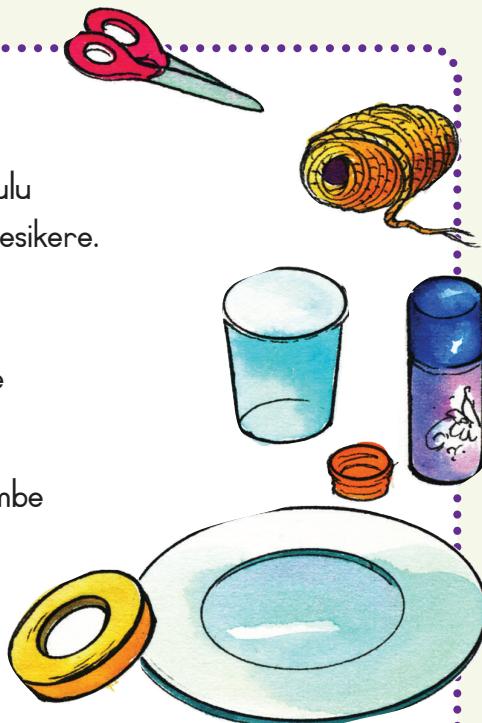


## Ukumeda iiyungi.

Sebenza nomngani wakho.

**Izinto enizozitlhoga:** Izinto ezi-10 eziyindulunga zobukhulu obahlukaneko. 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 eziziyyingi.
5. Tlola koke okuyevelako.



Ubude obubhoda isiyungi bubizwa ngesikhambrensi/ umzombe wesiyungi.



Ibanga ukuvundla isiyungi libizwa ngedayamitha.



95a

Ilanga:

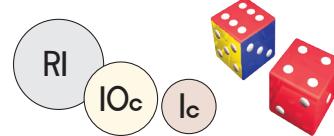
Ithemu 3

## 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 amakholomu ama-3.

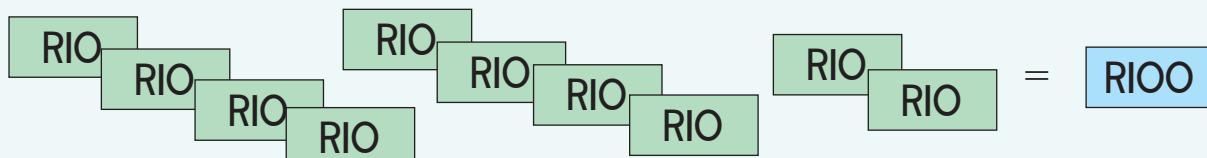


Hlanganisa bewufike e-IOO lamaranda.

1. Abadlali bayadlhegana 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 iphoso ayenzileko ibonwe ngomunye umdlali, ihlawulo yimali eli-RI.

Nangabe odlalako ukhohlwa ukuthengisa imali emaphedha ali-IO wama-RIO, ukuze afunyane imali eliphedha 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, hlanganisani 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 abalityjhumi ukwenza i-RI, nguye othumbleko.



## Khupha iiinsende.

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



Teacher:
Sign:
Date:

95b

Ilanga:

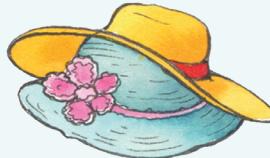
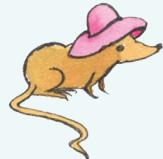
## Asiye eentolo!

Ithemu 3



Iingwani ziyathengiswa.

Isitolo sithengisa iingwani ngamanani ama-5 ahlukahlukeneko.



							Inani
Ingwani a		R20	R20	R20	R20	R20	RI20
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.

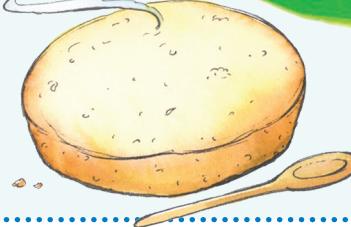
Ngiziphi ezinye iingwani azithengako? Tjengisa iimpendulo ezimbili ekungaba ngizo.

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: uzokuthhoga ikhrimu ema-140 ml

a. UMus a 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				

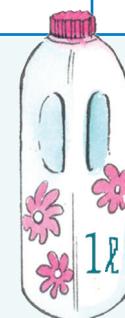
b. Thika (✓) ipendulo enembako.

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



## Isibalo sokubala msinya.

Hlolisa!  
Madanisa!  
Lungisa!



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



11 12 13 14 15 16 17 18 19 20

qb

Ilanga:

### Ithemu 3



Esitetjhini samapholisa.

Amapholisa amahlalu enza imisebenzi eyahlukene. Akuphi njenganje amapholisa?

	Usedeskini	Uyapatrola	Usekhotho
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

eKlipspruit	
eMthonjeni	
eSonskyn	
eThuthong	
eMosiba	

Isikolo ngasinye sitjala imithi emingaki.

IKlipspruit	EMthonjeni	ISonskyn	IThutong	IMosiba

Isikolo satjala imithi emingaki seyiyo? \_\_\_\_\_

1 2 3 4 5 6 7 8 9 10



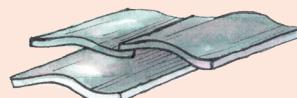
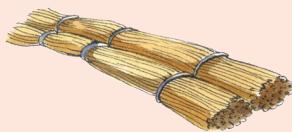
## Mhlobo bani walokho ekufulelwe ngakho?

Abafundi bakaGreyidi 3 bayarhubhulula endaweni abahlala kiyo.

Bafuna ukuthola imihlobo eyahlukeneko yalokhoabantu abafullele ngayo.

Batjengisa imiphumela yabo ebblogweni leli.

Batlola ithiki eyodwa (✓) endlini ngayinye abayibonako.



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

Mafulelo amangaki sele awoke neniwabalako? Ubukhulu beengwani

Ngamathayili \_\_\_\_\_ Ngotjani \_\_\_\_\_ Ngekhuni \_\_\_\_\_ Ngamasenge \_\_\_\_\_

Ngiaphi 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? \_\_\_\_\_

Hlolisa!  
Madanisa!  
Lungisa!



11 12 13 14 15 16 17 18 19 20

97



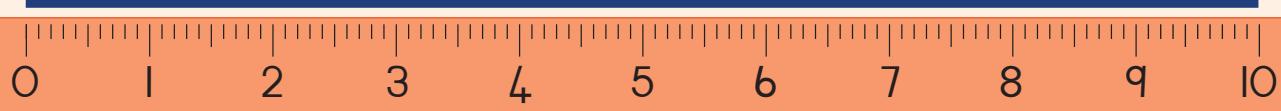
Ilanga:

Ithemu 4



## Ukusebenza ngamasenthimitha

Umuda onombala mude kangangani?



Kokuthoma linganisa imida bese ugcina ngokuyimeda.  
Qedelela itheyibula.

Umuda	Ukulunganisa	Ukumeda	Umehluko hlangana kokulunganisa 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 ebou 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 \_\_\_\_\_



11 12 13 14 15 16 17 18 19 20

q8

Ilanga:



## Iinomboro 700 ukufika ku-800

Ithemu 4

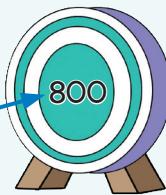


Bala bese uyatlola.

a. Bala ukusuka ku- $700 - 800$ .

Phimisa iinomboro nawulokhu ubala.

700



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

b. Tlola iinomboro ezitlhayelako egridini 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

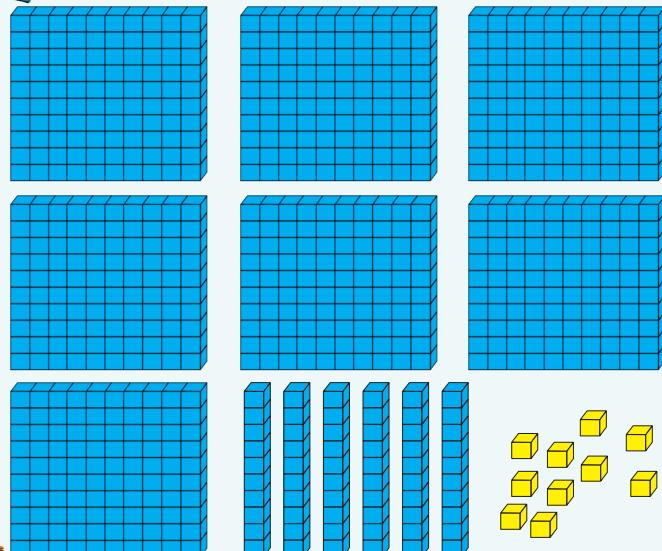
751; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; 773

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

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



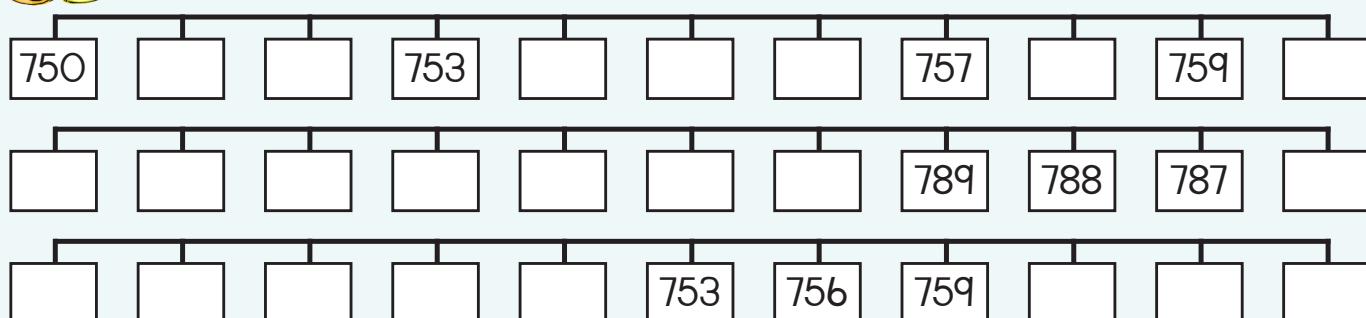
Ubale amabhlogo amangaki?



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:

11 12 13 14 15 16 17 18 19 20

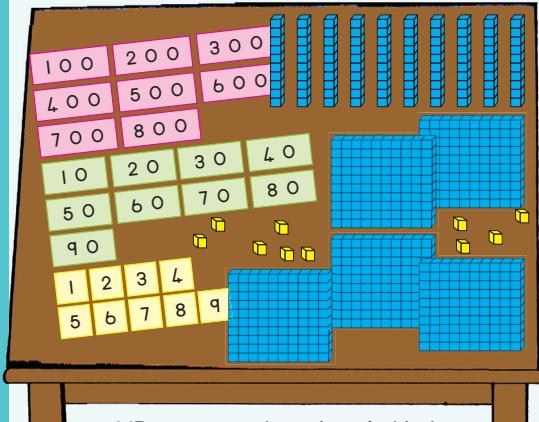
qq

Ezinye iinomboro

kusuka ku-700 kufika ku-800

Ilanga:

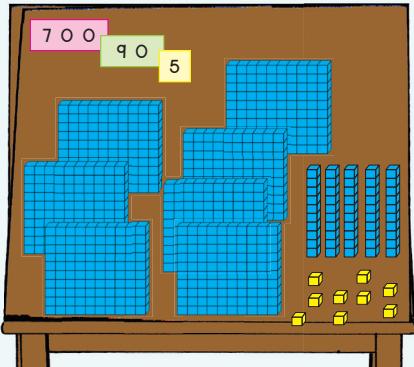
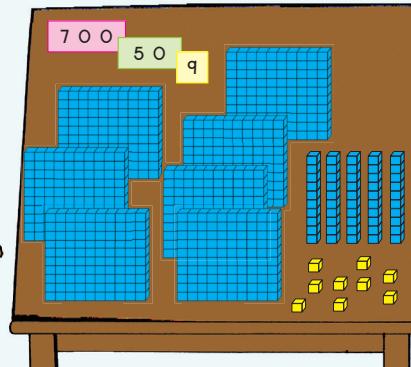
Ithemu 4



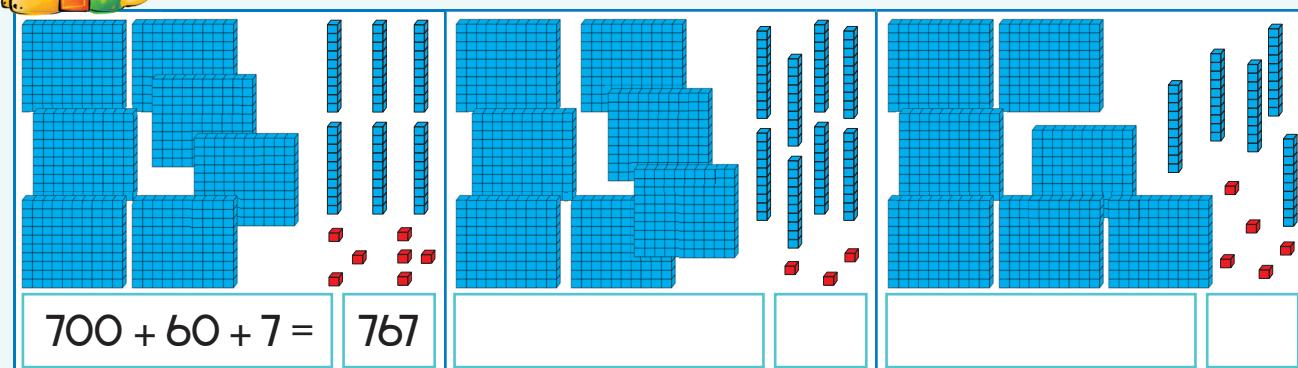
UPeter unamakarada wobukhulu  
bedijidi kanye namabhlogo  
wamatjhumi asisekelo.

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.

700

90

q

$$700 + 90 + q$$

=

500

50

60

5



Qedelela inambalayini.



Nikela zoke iinomboro ezincani khulu kunenomboro 795 \_\_\_\_\_

Nikela zoke iinomboro ezikulu khulu kunenomboro 795. \_\_\_\_\_



Tlola itshwayo < nanyana > =

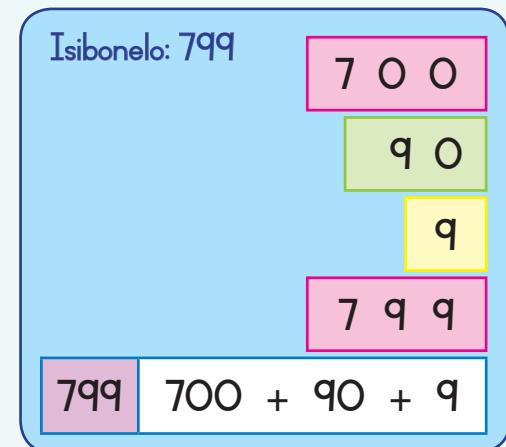
- a. 799  766      b. 745  750  
c.  $700 + 90 + 7$   767



Hlephula kghedlha inomboro yakho.

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

790	
689	
699	
755	
690	



Tlola amabizo weenomboro.

668	
757	
799	
742	
691	



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

100

## Iinomboro 800 kufika ku-900

Ilanga:

Ithemu 4

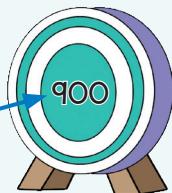


Bala bewutlole!

a. Bala ukusuka ku-800 – 900.

Phimisa iinomboro nawulokhu ubala.

800



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

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.

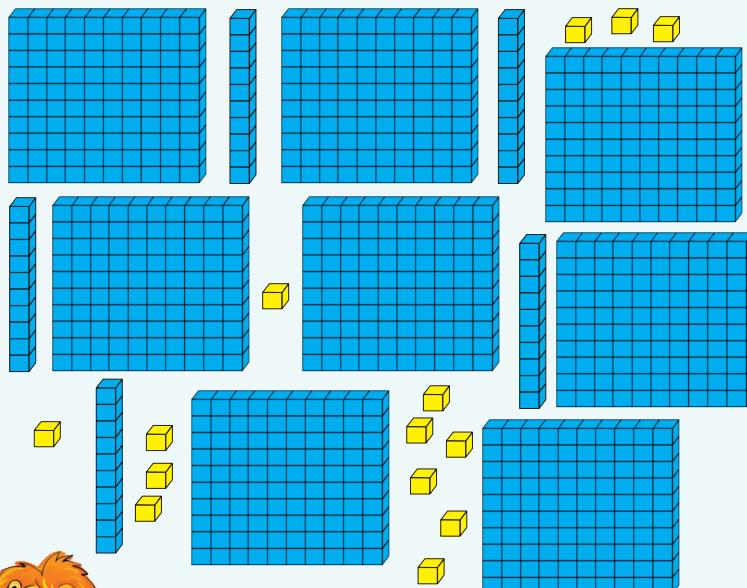
807; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; 829

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

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



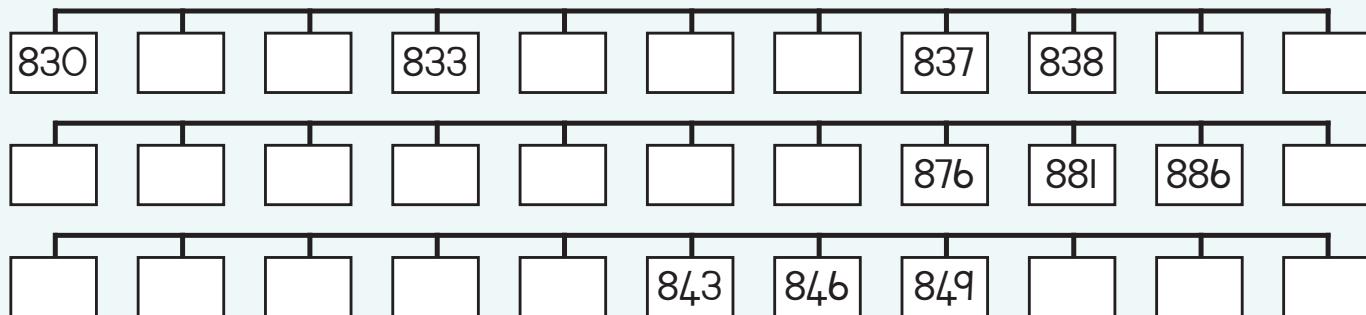
Ubale amabhlogo amangak?



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:

11 12 13 14 15 16 17 18 19 20

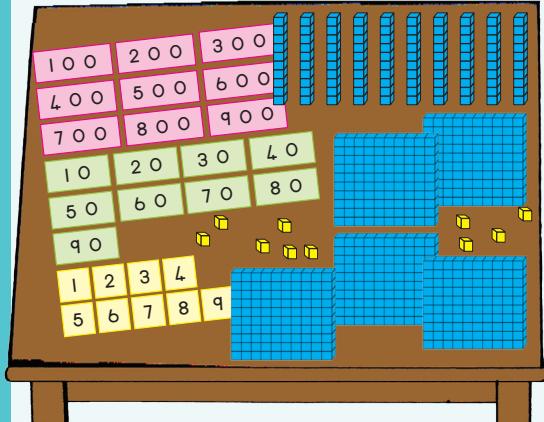
101

## Ezinye iinomboro

# kusuka ku-800 kufika ku-900

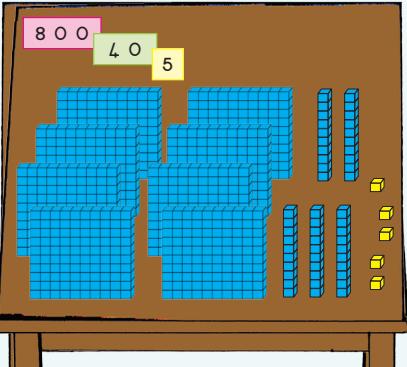
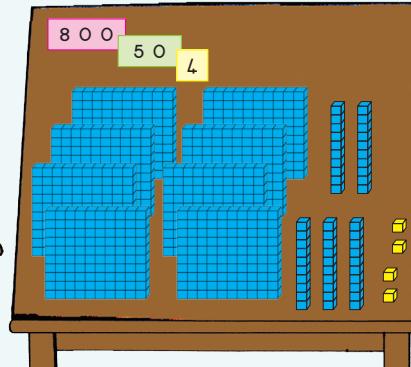
Ilanga:

Ithemu 4



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

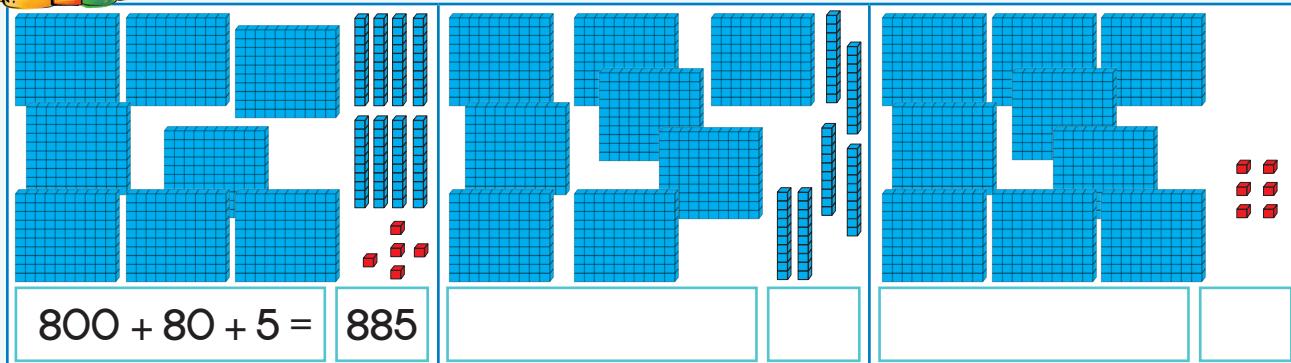
UBen utjengise lokhu.  
Ngikuphi akwenzileko  
okungakalungi?



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

10



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

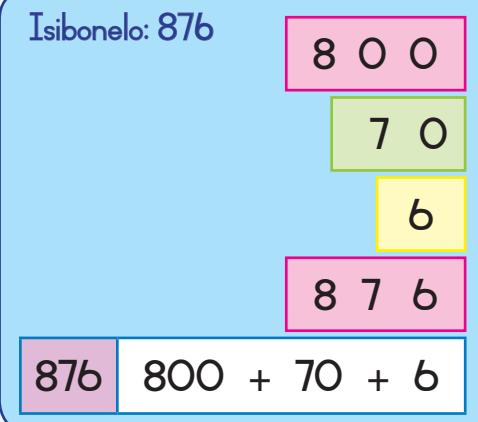


Hlephula kghedlha inomboro yakho.

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

890	
889	
802	
855	
840	

Isibonelo: 876



Tlola ngamagama.

889	
825	
803	
830	
899	

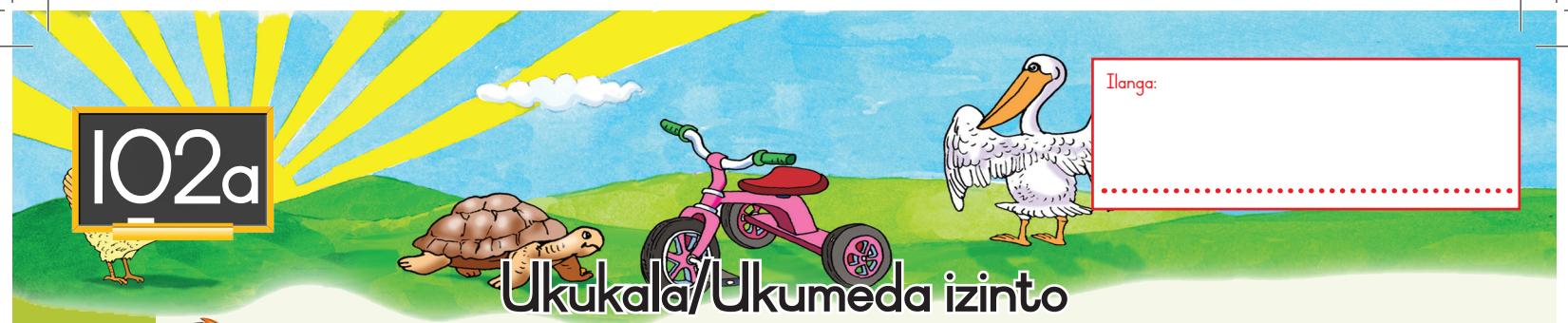


11 12 13 14 15 16 17 18 19 20

102a

Ilanga:

Ithemu 4



## 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: Ukuudla 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.

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



Qedelela itheyibula.

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

Into	Ukulinganisa	Ukumeda	Umehluko hlangana kokulunganisa nokumeda



Imikhiqizo ikala kangangani?

Into Umkhqiqizo wokuthoma ukala 2 kg 500 g, umkhqiqizo wesibili ukala 1 kg 500 g kuthi wokugcina ukale 3 kg 500 g.



102b

## Asikale ökhunye godu

Ilanga:

Ithemu 4

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

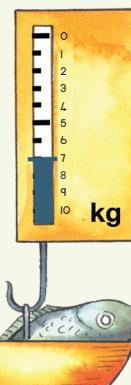
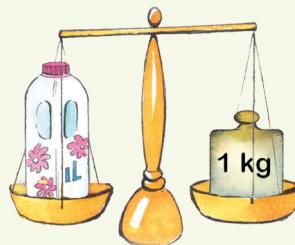
Ubudisi kulokha nakukalwa amandla wegravithi, okumamandla adosela izinto phasi. Amandla adosela izinto phasi mancani khulu enyangeni, okutjho kobana izinto zikala kancani khulu phezulu.

Ephasini sisebenzisa ngamalanga iinlinganiso ezifanako kumasi nanyana ebudisini.  
Simedha/Silinganisa imasi ngamakhilogrammu kanye namagremu.

Inninganiso/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.

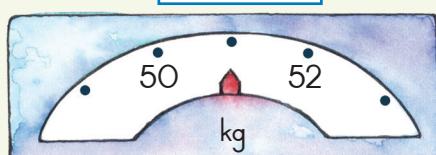
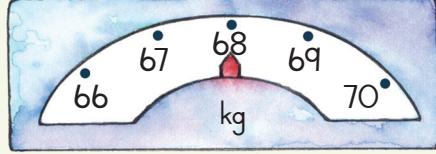
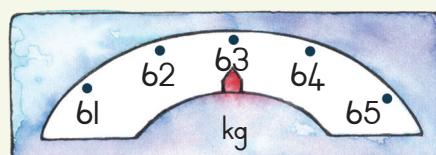
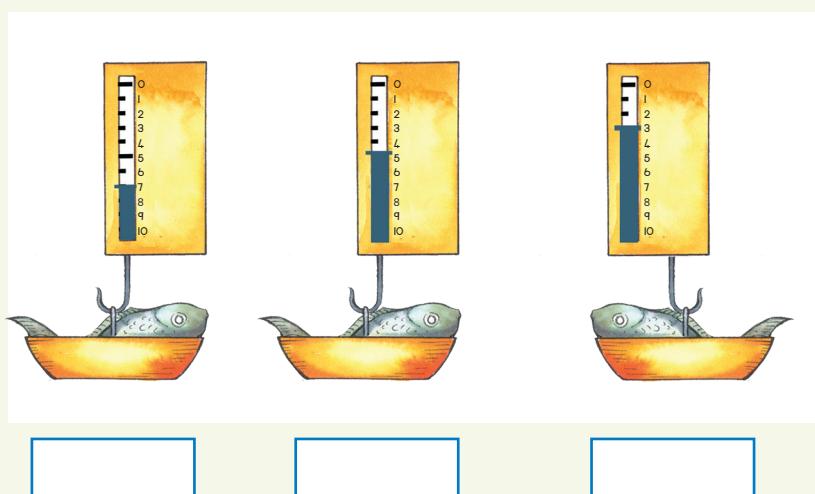


Ihlambi inobudisi obuma-3 kg.



Funyana ubudisi babo.

Tlola ubudisi ngamakhilogrammu atjengiswe kesinye nesinye  
isikala sesipringhi ezilandelako.

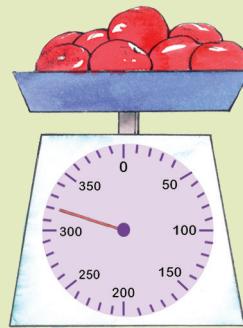




Sisebenzisa amagremu ukumeda imasi yezinto ezincani nanyana ezelula kanye nokumeda amacezu wamakhilogrammu.

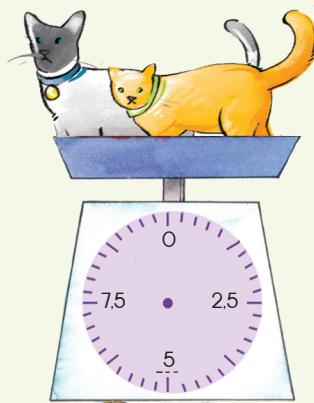
$$1000 \text{ g} = 1 \text{ kg}$$

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

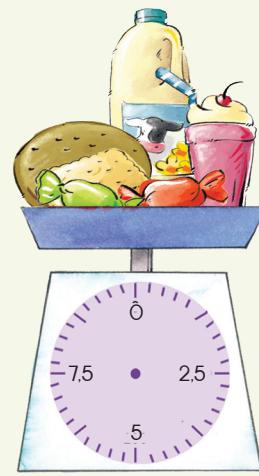


## Lokhu kukala kangangani?

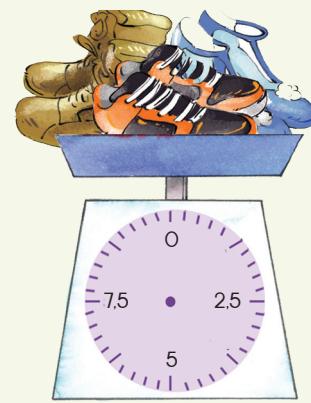
Njalo gwala umkhonto wesikala ngapho okufanele uye ngakhona.



7 kg



4 kg



6 kg



## Yenza ikhilogrammu.

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

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



103

Ilanga:



## Tinomboro 900 kufika ku-1 000

Ithemu 4

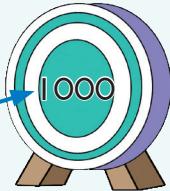


Bala bese uyatlola.

a. Bala ukusuka ku-900 – 1 000.

Phimisa iinomboro nawulokhu ubala.

901		903							910
								919	
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.

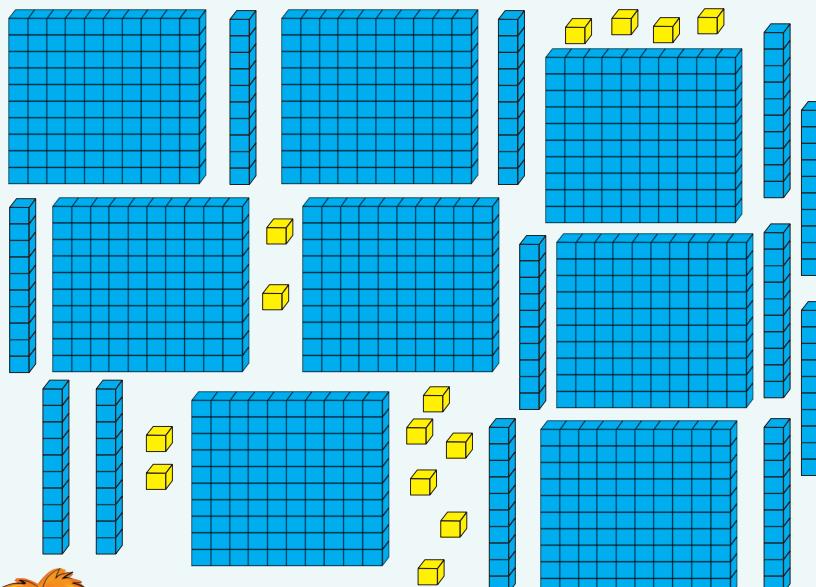
945; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; 967

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

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



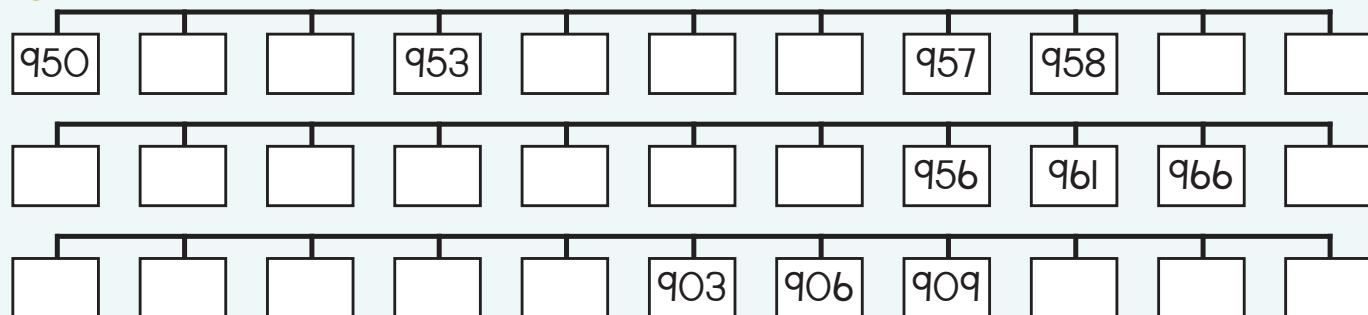
Ubale amabhlogo amangaki?



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

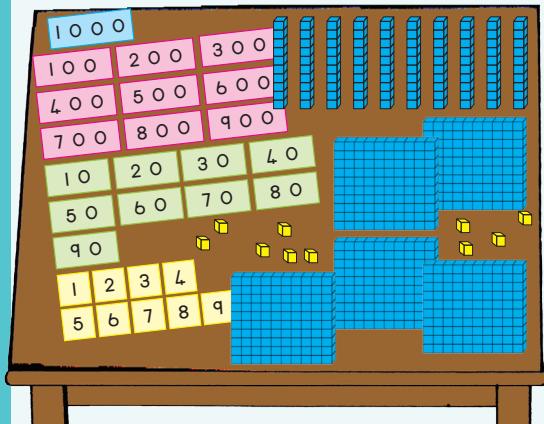
11 12 13 14 15 16 17 18 19 20

104

# Ezinye iinomboro kusuka ku-900 kufika ku-1 000

Ilanga:

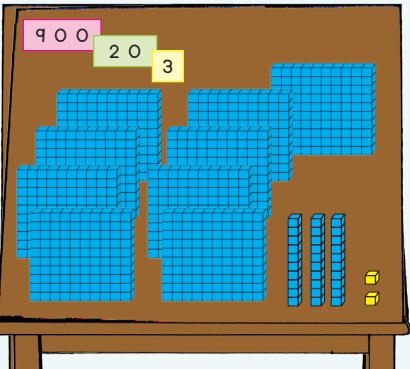
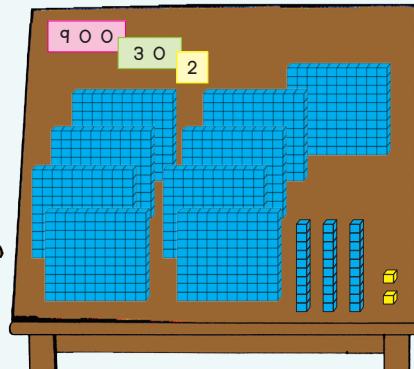
Ithemu 4



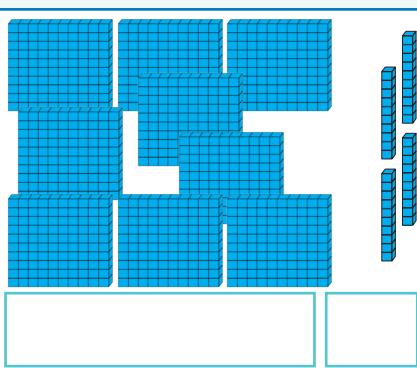
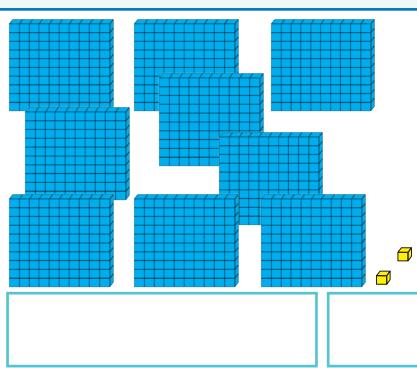
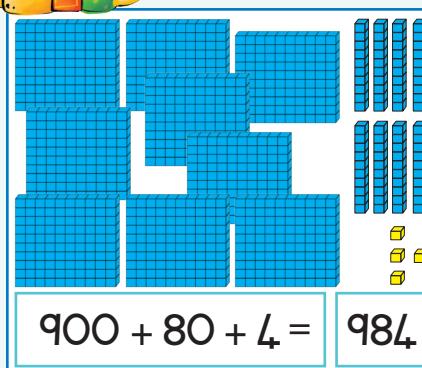
U-Andile unamakarada alandelako wobukhulu bedijidi kanye namabhlogo wamatjhumi asisekelo.

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

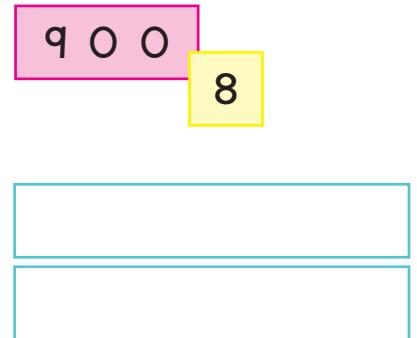
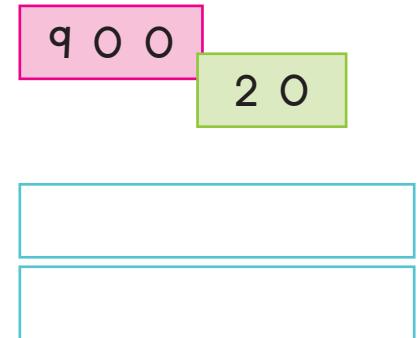
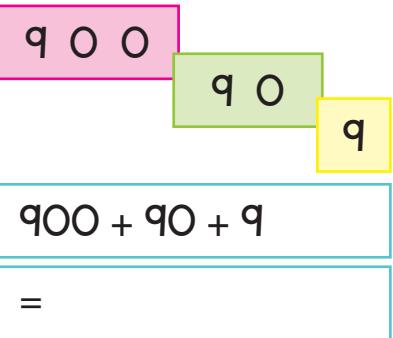
Lokhu ngokutjengiswe nguGugu. Ngikuphi okungakalungi akwenzileko?



Tlola umutjho weenomboro bese utlola ipendulo.



Tlola umutjho weenomboro bese utlola ipendulo.





Qedelela inambalayini.

q8q	qq0	qq1								qqq
-----	-----	-----	--	--	--	--	--	--	--	-----

Nikela zoke iinomboro ezincani kune-995.

Nikela zoke iinomboro ezikulu kune-995.



Qedelela ngetshwayo < nanyana > =.

- a. qqq \_\_\_\_\_ q98      b. 957 \_\_\_\_\_ 975  
c. 900 + 60 + 1 \_\_\_\_\_ 961

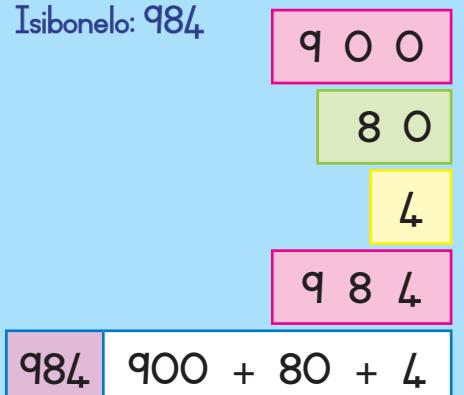


Hlephula kghedlha inomboro yakho.

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

922	
959	
980	
907	
931	

Isibonelo: 984



Tlola amabizo weenomboro.

976	
905	
950	
821	
909	



11 12 13 14 15 16 17 18 19 20

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.

50	50	U-50 nakabuyeletwe kibili ipendulo li-100.	300	300	
200	200		3	3	



Sebenzisa pheze okubuyeletwe kibili ukurarulula okulandelako.  
Sebenzisa isibonelo ukuze sikuhlahle.

a. $43 + 44 =$	buyelela kibili $43 + 1$	$43 + 43 + 1 = 87$
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  
 $= 340 + 340$   
 $= \text{Buyelela kibili } 340 + 1$   
 $= 300 + 300 + 40 + 40 + 1$   
 $= 600 + 80 + 1$   
 $= 681$

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:



Abafundi bamaGreyidi 2 babuthelele amamabula ama-360.

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

Abafundi bakaGreyidi 3 banamamabula amangaki?





## Ilanga lokubhaga.

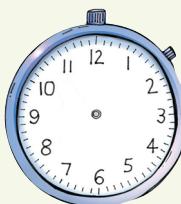
Ukghari uPhindi ubhaga uburotho nge-ovenini yakhe.

Tjengisa isikhathi emawatjhini alandelako.

Ukhupha uborotho lokha imizuzu imihlanu ngemva kwe-iri lesihlanu.

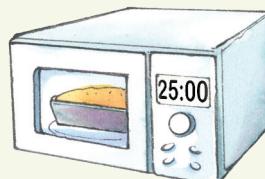
Ukhupha uborotho nge-ovenini lokha imizuzu imihlanu ngemva kwe-iri lesihlanu.

Uburotho buthatha isikhathi esingangani ukuvuthwa?



Unina laka-Ann usebenzisa imakhro-oveni. I-oveni iseberna 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.



NgoMgqibelo 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 lakaBabu 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	?

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

\_\_\_\_\_ ml

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

c. Ibholdele elilodwa lesilinganiso sa-750 samamililitha (ml) libiza ama-R18,50.

Amabhollelo ama-4 abiza malini? \_\_\_\_\_.



Hlolisa!  
Madanisa!  
Lungisa!



107

Ilanga:

## Ukusebenza ngemali

Ithemu 4



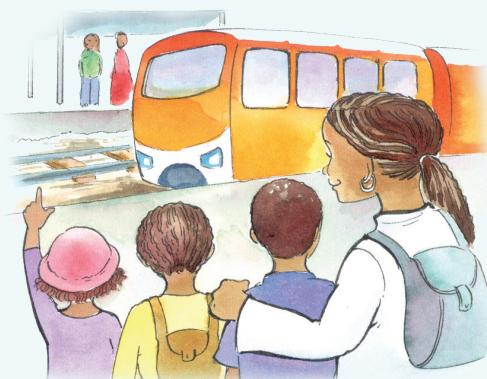
Bala imali yesimbi/emuwa kanye neyamaphepha.

$10 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}50 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}50 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}50 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}1 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}1 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}1 = \text{R} \underline{\hspace{2cm}}$
$10 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$20 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$50 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$
$100 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}50 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}10 = \text{R} \underline{\hspace{2cm}}$
$100 \times \text{R}20 = \text{R} \underline{\hspace{2cm}}$	$100 \times \text{R}1 = \text{R} \underline{\hspace{2cm}}$	



Ikhambu ngesitimela.

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

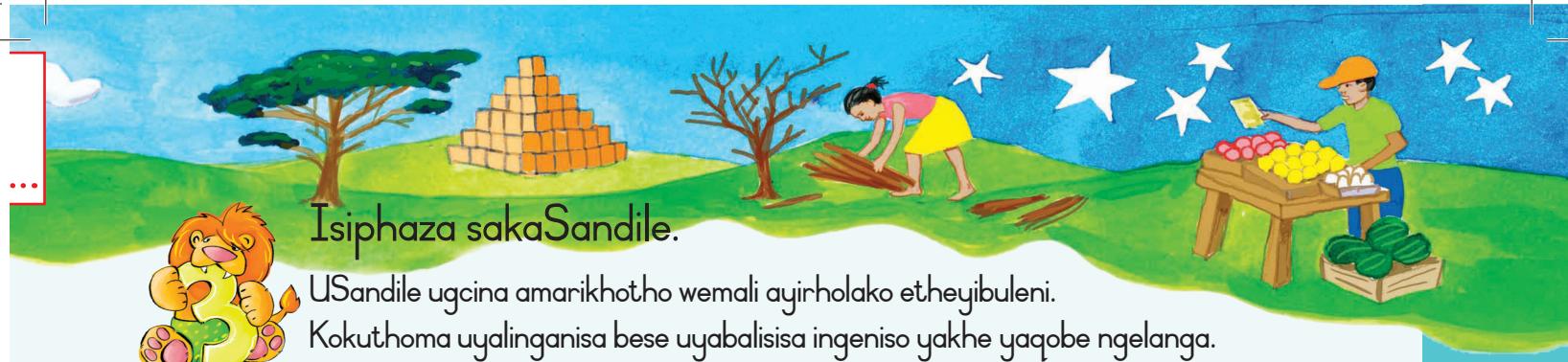


Ufunyana itjhentjhi ema-R30.

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 ethheyibuleni.

Kokuthoma uyalinganisa bese uyabalisia ingeniso yakhe yaqobe ngelanga.

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

		Ukulunganisa	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.

<p><b>Isibonelo:</b> UPalesa uthenga ukudla ngemali ema-R87,50</p> <p>Ubhadela ngemali eliphepha ema-R200.</p> <p>Yimalini itjhentjhi yakhe?</p>	$  \begin{array}{cccc}  + 50c & + R2 & + R10 & + R100 \\  \text{R87,50} & \text{R88} & \text{R90} & \text{R100} \\  50c + R2 + R10 + R100 = R112,50 \text{ Itjhentjhi}  \end{array}  $
--	--

Sebenzisa amanambalayini ukuze akusize ukubala itjhentjhi.

<p>Iindleko: R229,40</p> <p>Bhadela ngama-:</p>		
<p>Iindleko: R305,60</p> <p>Bhadela ngama-:</p>		



108

## Okhunye ukuhlanganisa kanye nokukhupha bekufike ema-qqq

Ilanga:

Ithemu 4



Asirarulule isibalo.

UGugu ubuthelele iintika ezima-234

UMandla umuphe ezinye ezima-501

Kwanje uGugu sele aneentika ezingaki?

Uthini umbuzo?

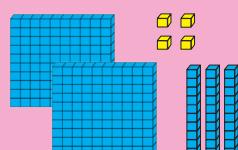
Kwanje sele aneentika ezingaki?

Lithini igama eliqakathekileko? ezingezelweko

Zithini iinomboro? 234 ne-501

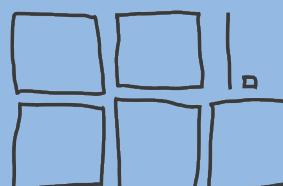


Lokhu kwensiwe nguLisa  
ukurarulula isibalo sakaGugu.



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.

UThembu ubuthelela izinto ngehlelo lesikolo lokubuyekza izinto ezingasetjenziswa godu. Ubuthelele amabhodlelo wamaplastiki ama-624 namathini ama-268. Ubuthelele okungaki sele kukoke?

Uthini umbuzo?

Zithini iinomboro?	Lithini igama eliqakathekileko? Thika ipendulo ekungiyo. Igama eliqakathekileko listjela kobana:  <input type="button" value="Hlanganisa"/> <input type="button" value="Khupha"/> <input type="button"/>
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:  <input type="button" value="Hlanganisa"/> <input type="button" value="Khupha"/> <input type="button"/>
Yenza umgwalo.	Sebenzisa indlela yakho ukuveza isisombululo.



109

## Okhunye ukuhlanganisa nokukhupha ukufika ku-qqq

Ilanga:

Ithemu 4

Qala imigwalo bese uyahlathulula.



Qedelela okulandelako.

- 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.

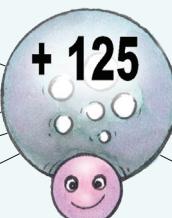
- a. Ama-523 nakangezelwe nge-12 \_\_\_\_\_.
- b. Ama-540 nakaphungulwe nge-15 ipendulo \_\_\_\_\_.
- c. Ama-576 nakangezelwe ngama-20 ipendulo \_\_\_\_\_.
- d. Ama-590 nakaphungulwe ngama-60 ipendulo \_\_\_\_\_.

- e. Ama-537 nakaphungulwe ngama-29 ipendulo \_\_\_\_\_.
- f. Ihafu yama-300, ipendulo \_\_\_\_\_.
- g. Ama-420 nakabuyelwelwe kibili ipendulo \_\_\_\_\_.
- h. Ihafu yaka-600, ipendulo- \_\_\_\_\_.

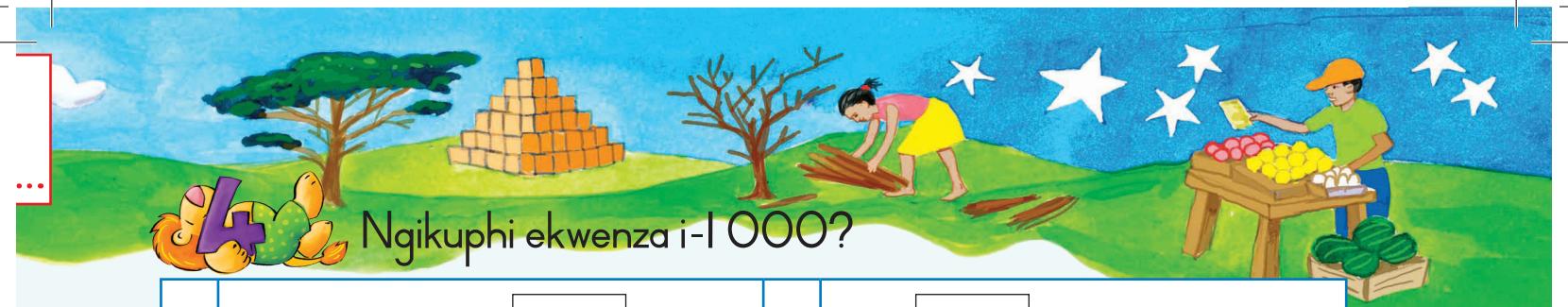


Hlanganisa ne-125.

200
150
125
250
400



325



## Ngikuphi ekwenza i-1000?

a.	$200 + 150 + 50 + \boxed{\phantom{00}} = 1000$	e.	$25 + \boxed{\phantom{00}} + 900 = 1000$
b.	$1000 = 560 + \boxed{\phantom{00}} + 400$	f.	$\boxed{\phantom{00}} + 700 + 50 = 1000$
c.	$670 + \boxed{\phantom{00}} = 1000$	g.	$1000 = 420 + \boxed{\phantom{00}} + 500$
d.	$910 + 40 + \boxed{\phantom{00}} = 1000$	h.	$\boxed{\phantom{00}} + 30 + 900 = 1000$

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

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



$123 + 77 = \boxed{\phantom{00}}$	$\boxed{\phantom{00}} - 77 = 123$	$\boxed{\phantom{00}} - 123 = 77$
$650 + \boxed{\phantom{00}} = 800$	$800 - 650 = \boxed{\phantom{00}}$	$\boxed{\phantom{00}} + 650 = 800$
$1000 - 250 = \boxed{\phantom{00}}$	$1000 - \boxed{\phantom{00}} = 250$	$250 + \boxed{\phantom{00}} = 1000$
$56 + \boxed{\phantom{00}} = 300$	$300 - \boxed{\phantom{00}} = 56$	$\boxed{\phantom{00}} + 56 = \boxed{\phantom{00}}$
$820 + \boxed{\phantom{00}} = 1000$	$1000 - \boxed{\phantom{00}} = 820$	$1000 - 820 = \boxed{\phantom{00}}$



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 (Ukubuyabuyeletela 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:

$$925 + 53 = \boxed{\phantom{00}} \quad 571 + 202 = \boxed{\phantom{00}} \quad 786 + 75 = \boxed{\phantom{00}} \quad 903 + 95 = \boxed{\phantom{00}}$$

Hlolisa!  
Madanisa!  
Lungisa!



11 12 13 14 15 16 17 18 19 20

110

## Amaphazeli wokumeda/wokulinganisa

Ilanga:

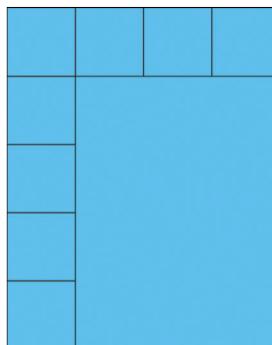
Ithemu 4



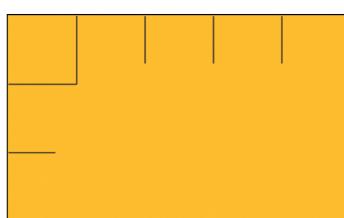
Funyana i-eriya.

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

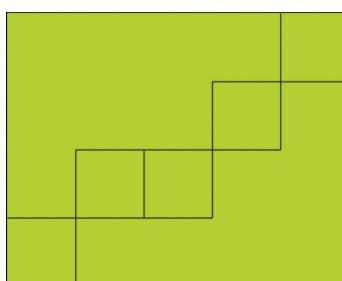
a.



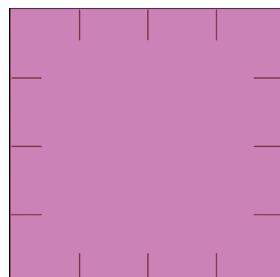
b.



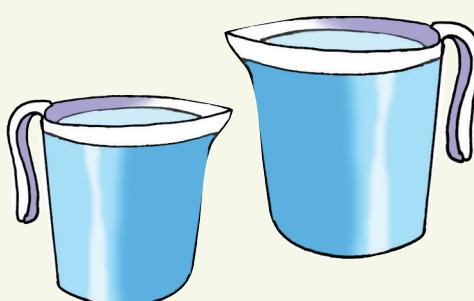
c.



d.



Rarulula isirarejo.



Ufuna ukumeda amalitha wamanzi ama-4 poro.

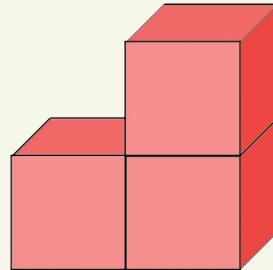
Uneemumathi ezimbili kwaphela: esinye simumatha amalitha ama-3 bese kuthi esinye simumathe amalitha ama-5. Wenza njani?

Umtlhala: okungenani kuneendlela okungizo ezimbili.



## Ubona ini?

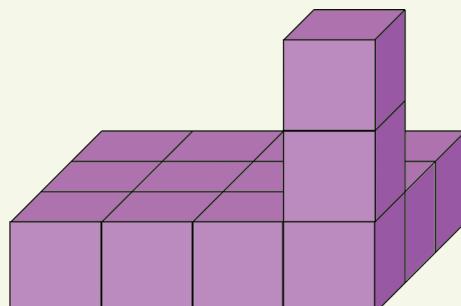
Amabhlogo amathathu ananyathiselwe ndawo yinye njengesithombeni.



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



## Bala amakhyubhu.



Makhyubhu amangaki enze ijamo elilandelako?



## Isitjhijilo: isirarejo sesikhathi

Uneensemjenziswa ezimbili ezicupha isikhathi.

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

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

Hlolisa!  
Madanisa!  
Lungisa!



11 12 13 14 15 16 17 18 19 20



# Amaphetheni weenomboro: amatjhumi ukufika ku-900

Ilanga:

Ithemu 4

Asibale ngokulitjhumi 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: \_\_\_\_\_



Balisasa.

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.

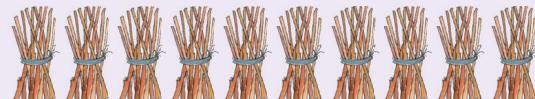


1	=	iingojwana
2	=	iingojwana
3	=	iingojwana
4	=	iingojwana
5	=	iingojwana
6	=	iingojwana
7	=	iingojwana
8	=	iingojwana
9	=	iingojwana
10	=	iingojwana

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

Umuda owo-1 weenyanda ezili-10 ÷ iingojwana ezili-100

$$10 \times 10 = 100$$

Imida emi-2 yeenyanda ezili-10 ÷ = zeengojwana  $20 \times 10 =$  \_\_\_\_\_

Imida emi-4 yeenyanda ezili-10 ÷ = zeengojwana  $40 \times 10 =$  \_\_\_\_\_

Imida eli-10 yeenyanda ezili-10 ÷ = zeengojwana  $100 \times 10 =$  \_\_\_\_\_



## Ziinyanda ezingaki?

Iingojwana ezima-700 zibopha iinyanda \_\_\_\_\_.

Iingojwana ezima-900 zibopha iinyanda \_\_\_\_\_.

Iingojwana ezili-1 000 zibopha iinyanda \_\_\_\_\_.



II2

Ilanga:

## Ukutjhideza eduze ne-IO

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 ugale amayunidi nawutjhideza eduze kwe-IO elilandelako.



Tjhideza eduze kwe-IO.

U-II4 nakatjhidezwe eduze kuba?



U-II7 nakatjhidezwe eduze kuba?



U-I59 nakatjhidezwe eduze kuba?



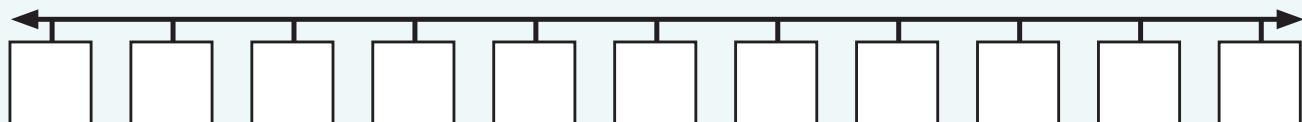
U-I51 nakatjhidezwe eduze kuba?



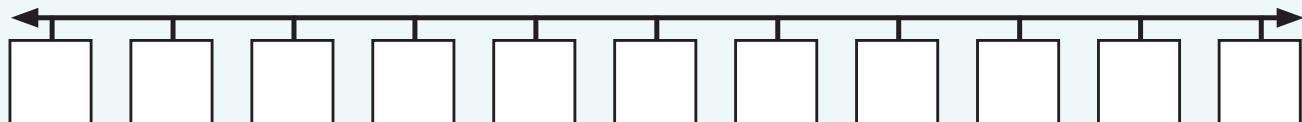
Tjhideza eduze kwe-IO.

Zigwalele inambalayini yakho.

I95



945



100

1 2 3 4 5 6 7 8 9 10



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 baye 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.



11 12 13 14 15 16 17 18 19 20

101

II3

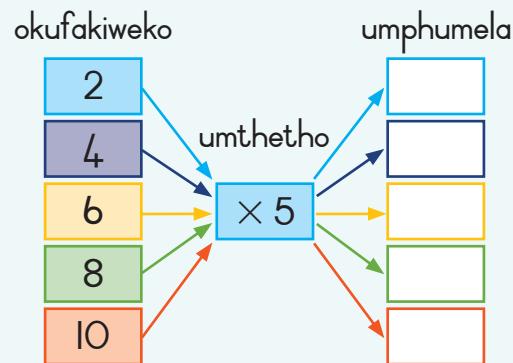
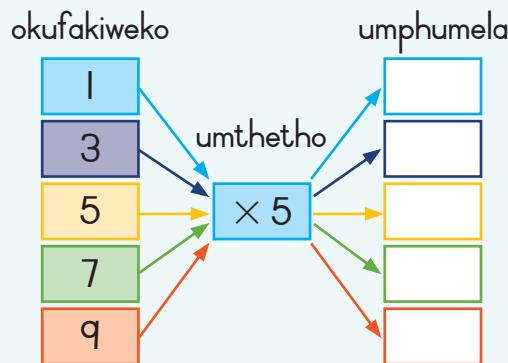
## Ukubuyabuyelela nokuhlukanisa: ngakuhlanu ukufika ku-100

Ilanga:

Ithemu 4



Qedelela umgwalo owehlako.



Qedelela itheyibula engenzasi:

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



Balisisa:

$$12 \times 5$$

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

$$= 50 + 10$$

$$= 60$$

$$11 \times 5$$

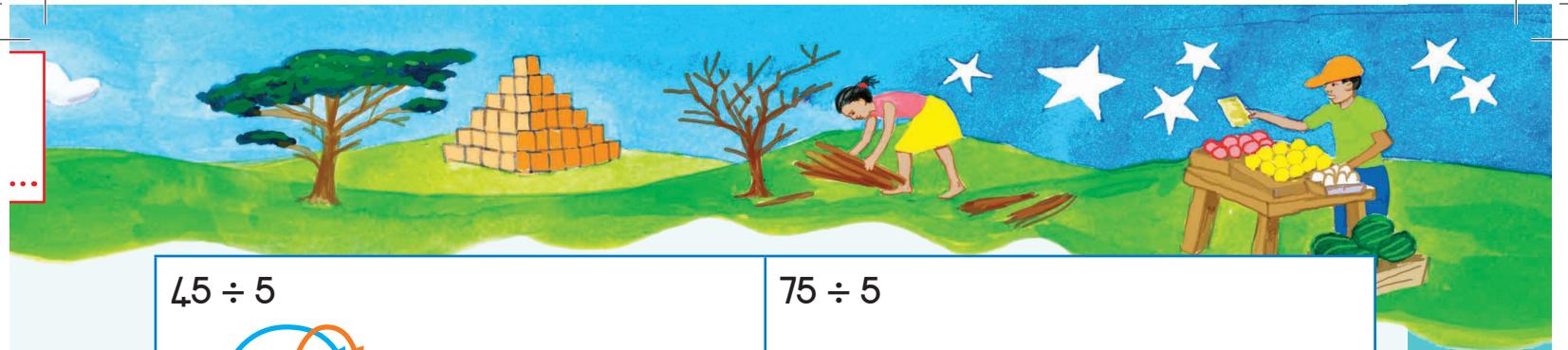
$$13 \times 5$$

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

$$= 50 + 15$$

$$= 50 + 10 + 5$$

$$= 65$$



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= q$$

$$75 \div 5$$

$$48 \div 5$$

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

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

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

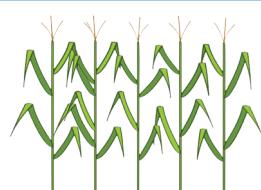
$$= q \text{ rem } 3$$

$$13 \div 5$$



Rarulula imiraro elandelako:

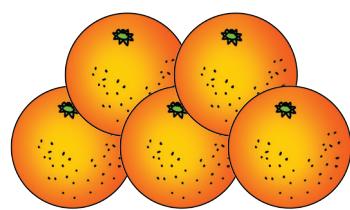
Isivande semirorho sinemida eli-14 yeentjalo.



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-orientji amahlanu.



Unama-orentji ama-85.

Mangaki ama-orentji angazalisa umgodla?



11

12

13

14

15

16

17

18

19

20

114

# Amaphetheni weenomboro: ngakuhlanu bekufike ku-1 000

Ilanga:

Ithemu 4

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 <b>ngokuhlaza</b> sasibhakabhaka:	Ukubala ngaku- _____
Tlola iphetheni:	
Ezindulungelwe <b>ngokuphephuli</b> :	Ukubala ngaku- _____ .
Tlola iphetheni:	



Balisa.

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-l 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.

Uyayiyelela 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, _____	



Teacher:

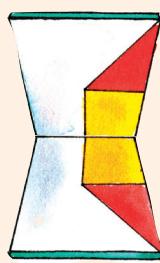
Sign:

Date:

15

Item 4

## Okhunye okufanako mahlangothi womibili



Isiboniboni, isiboniboni.

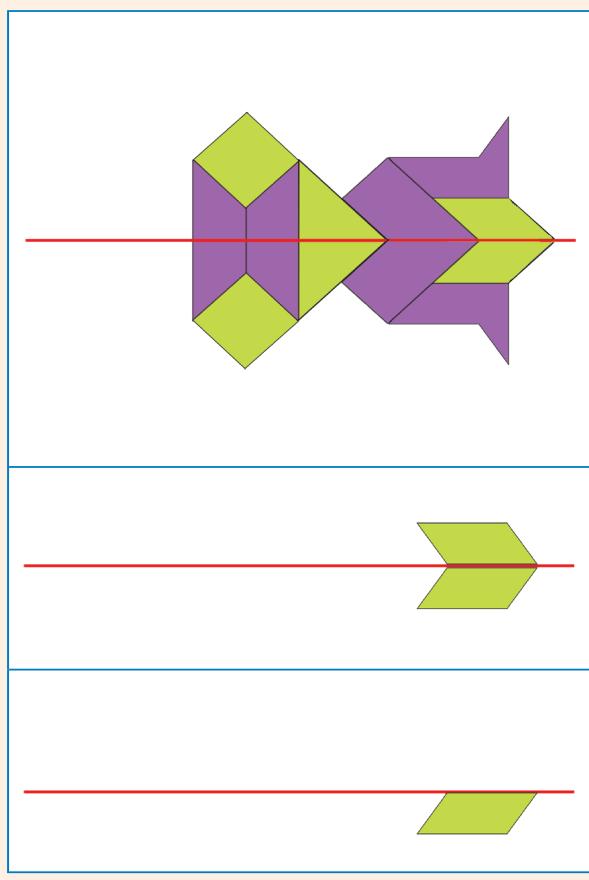
Dlala nomngani wakho nisebenzise enye yama seded  
wanaphazeli womathayili (aneenqethana ezili-14) kiboSika 10.

Umdali ngamunye uneenqethana ezizoba yihafu (ininqethana ezili-7) zamajamo wanaphazeli.  
Akukameli kobana abadlati bobe neenqethana ezifanako. Gwala umuda phokathhi naphakathi  
kwephapha. Umudalo uzokuba "mumuda wokubuyisa".

Umdali wokuthoma ubeka isiqethana sakhe eduze komuda.

Umdali wesibili ubeka ukubuyisa kwakho ngakelinye ihlangothi lomuda. Kumele isiqethana sitintse  
umuda nangana elinye ijamo ese libekiwi.

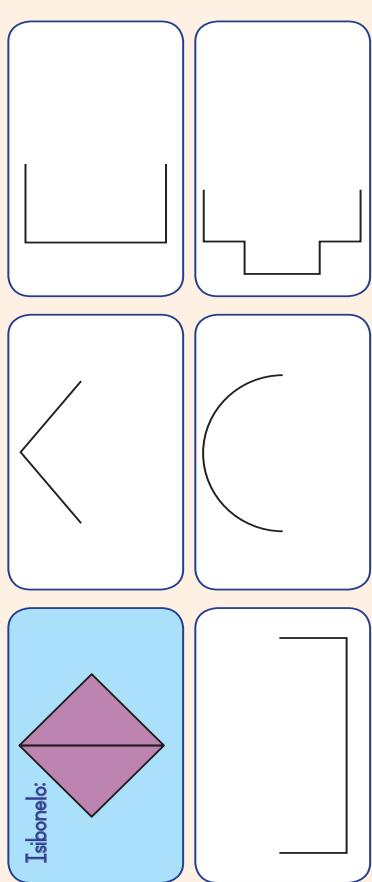
Ragayue phambili bekufike lapha sewusebenzise zoke iingqethana.



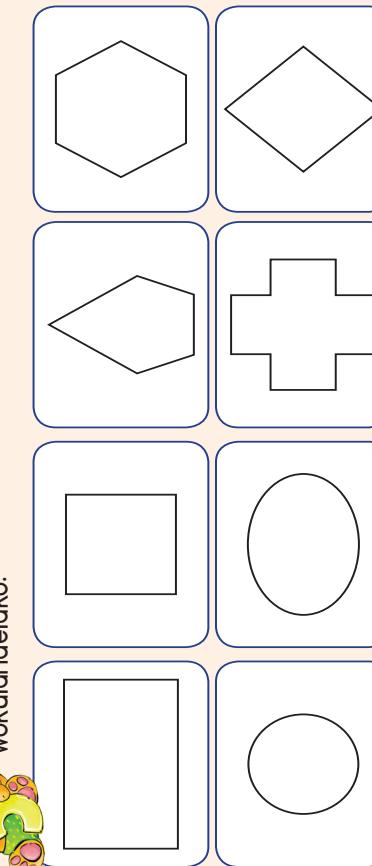
Gwala elinye ihlangothi lejamo.

Ngemva kwalapho tjengisa umuda otjengisa uku fana mahlangothi wole.

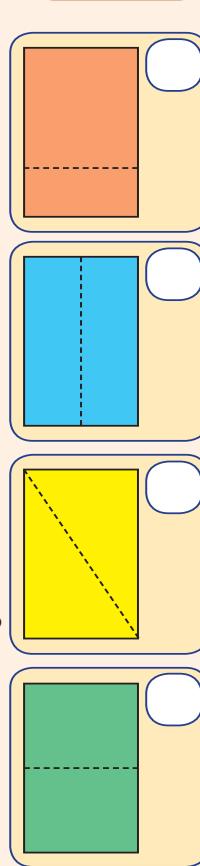
Isibonelo:



Gwala umuda otjengisa uku fana mahlangothi womibili  
wokulandelako:



Thika amajamo anemida enembako efana  
mahlangothi womibili.



11 12 13 14 15 16 17 18 19 20

# Amaphetheni weenomboro: ngakubili bekufike ku-900.

Asibale ngaku hlanu ukusuka ku-802 beku fike 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

Item 4

16



- a. Gwala u-(X) eduze kweenomboro ezingalingalinganiko kanye netshwajo (✓)  
eduze kweenomboro ezingalingalinganiko.

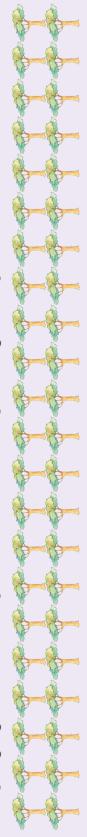
914    923    916    907    929    912    911    915  
908    917    925    931    930    910    909    922    933

- b. Phendula ngokuthi ziyalalingana nanyana azilingalingani.  
Newuhlanganisa iinomboro ezimbili ezilingalinganiko, ufungana ipendulo ejinomboro  
Hlanganisa iinomboro ezimbili ezilingalinganiko, ufungana ipendulo ejinomboro  
Newuhlanganisa iinomboro ezintathu ezingalingalinganiko, ufungana  
ipendulo ejinomboro \_\_\_\_\_ .



4. Ulukujala imithi.

Lengenyę yeendella zokujala imithi ema-48 ngemarejini alinganako.



Singatlolane:  $2 \times 24 = 48$  (Imida emi-2 yemithi ema-24 = 48) nanyana  $48 \div 2 = 24$ .  
(Imithi ema-48 erhenjiswe ngemida emi-2 elingandako iba mimithi ema-24 emudenii ngamunye).  
Bola Imida kanye nemithi hi kesinyę nesinyę Isithombe. Tlolu × karue no-÷ wemijho  
yeenomboro ukumadansa.

Tinomboro ezindulungelweko zitjengisa amaphetheni maphi?



Ezindulungelwe ngokuhlaza sosibhakabha:

Ukubala ngaku \_\_\_\_\_

Tlolu phasi iphetheni:

Ukubala ngaku \_\_\_\_\_

Ezindulungelwe ngokuhlaza satjani:

Ukubala ngaku \_\_\_\_\_

Tlolu phasi iphetheni:

Ukubala ngaku \_\_\_\_\_

Balisasa.

Ukubala ngaku \_\_\_\_\_

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

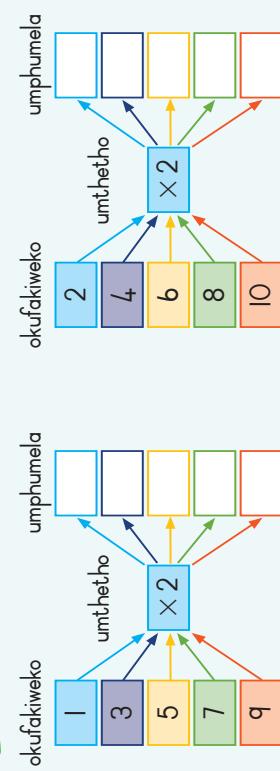
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

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

a. $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	b. $\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
c. $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	d. $\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
e. $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	f. $\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

## Ukuþuyabuþyelala nokuhlukanisa: ngakubili bekufike ku-100

Qedelela umgawalo wesiswebu.



Qedelela ithejibula engenzasi.

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



Balisisa:

$$11 \times 2$$

$$\begin{array}{r} (10 + 1) \times 2 \\ = 10 \times 2 + 1 \times 2 \\ = 20 + 2 \\ = 22 \end{array}$$

$$22 \times 2$$

$$\begin{array}{r} (10 + 2) \times 2 \\ = 10 \times 2 + 2 \times 2 \\ = 20 + 4 \\ = 24 \end{array}$$

$$4b \div 2$$

$$= (40 + b) \div 2$$

$$= (40 \div 2) + (b \div 2)$$

$$= 20 + 3$$

$$= 23$$

$$47 \div 2$$

$$= (40 + 7) \div 2$$

$$= (40 \div 2) + (7 \div 2)$$

$$= 20 + 3$$

$$= 23$$



Rarulula umraro olandelako:

Isvande semiorho sinemida ema-32 yeenjalo.

Umda omunye nomunye uneentjalo ezi-2.

Kuneentjalo ezingaki esivandeni?

Isvande sinemidda ema-40 yeenjalo.

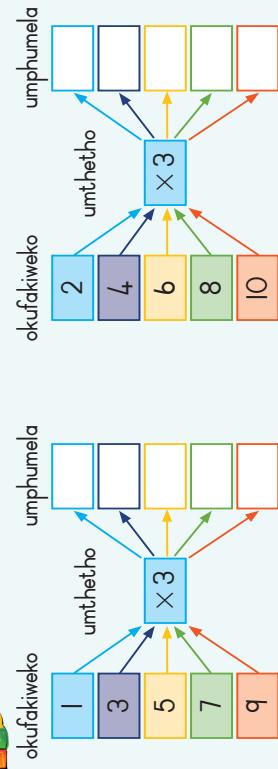
Umda omunye nomunye uneentjalo ezilinganako.

Nangabe kunenani leentjalo ezima-80 emuden'i ngamunye, kuneentjalo ezingaki?



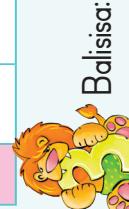
## Ukubuyabuyelela kanye nokuhukanisa ngakuthathu bekufike ku-100

Qedelela umgqalo wesiwебу.



Qedelela itheyibula engenzasi:

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



Balisisa:

$$12 \times 3$$

$$\begin{aligned} &= (10 + 2) \times 3 \\ &= 30 + 6 \\ &= 36 \end{aligned}$$

$$19 \times 3$$

$$\begin{aligned} &= (10 + 7) \times 3 \\ &= 30 + 21 \\ &= 51 \end{aligned}$$

$$63 \div 3$$

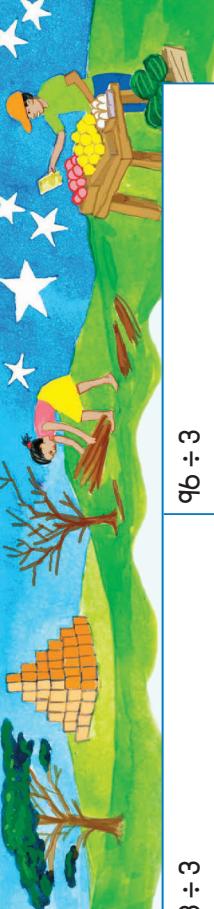
$$\begin{aligned} &= (60 + 3) \div 3 \\ &= (60 \div 3) + (3 \div 3) \\ &= 20 + 1 \\ &= 21 \end{aligned}$$

$$65 \div 3$$

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

$$98 \div 3$$

$$96 \div 3$$



Ileng:
.....

18

Item 4

# 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

11q

Itshemu 4

Tlongo:

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
						933	934		936	937
						942	943		945	946
						951	952		954	955
						961	963		964	965
						972	973		975	976
						981	982		984	985
						991	993		994	997

Zindulungelwe zitjengisa amaphetheni maphi?  
Tlola phasi iphetheni:  
Ezindulungelwe ngoku-orientji:  
Tlola phasi iphetheni:  
Ezindulungelwe ngakuhlaza satjani:  
Tlola phasi iphetheni:



11q

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

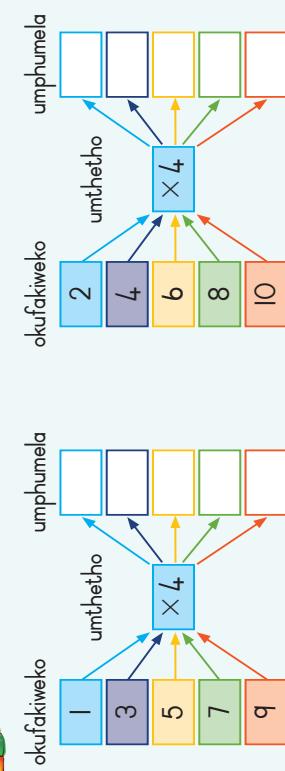
11
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120  
120

## Ukuhuyobuyelala nokuhukonisa ngakune bekufike ku-100

Qedelela umgwalo wesiswetu.



Itheemu 4



Qedelela ithejibula engenzasi:

$\times$	1	2	3	4	5	6	7	8	9	10
4										
12	12	24	36	48	60	72	84	96	108	120
24										
36										
48										
60										
72										
84										
96										
108										
120										



$$48 \div 6$$

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

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

$$= 10 + 2$$

$$= 12$$

$$45 \div 4$$

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

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

$$= 10 + 1$$

$$= 11$$



Rarulula imiraro elanddelako:

UTony unamaswidi ama-36.

Udla amaswidi amane ngelanga.

Ammaswidi la anggawalla ngamalanga amangak!

UDavid uthengisa iphakethe enama-orientji amane ngaphakathi.

Unama-orientji ama-88.

Angabopha amaphakethe amangakki wama-orientji?



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

121

## Amaphetheni weenomboro ngakune bekufike ku-1 000

Asibaleni 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

Ibhodi leenomboro 901 kufika e-1 000.

901	902	903	904	905	906	907	908	909	910
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

Qedelela ngeenomboro ezithayelako.

Khalara amabhlogg weenomboro ezithayelako ngokuhlaza satjani. Khalara ibhoki elimhlophe elineenomboro ngaphakathi ngembalala obovu. Ulbona iphetleni yiphni?



Qedelela amaphetheni.



a. Hllanganisa nabo-4, abane ku-980.

b. Hllanganisa abo-5 abahlanu ku-971.

c. Khupha abo-4 abane ku-963

d. Khupha abo-3 abathathu ku-927.

e. Hllanganisa nabo-2 ababili ku-938.

Itshemu 4

Tlongo:

Ezindulungelwe ngokuhlaza satjani:	Ulkubala ngaku _____.
Tlola phasi iphetleni:	Ulkubala ngaku _____.
Ezindulungelwe ngokuphephuli:	Ulkubala ngaku _____.



Tlola phasi iphetleni.



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

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

122

Item 4

## Okupheleleko, ihafu, nanyana ungasika ngayiphi indela.

Sika ukhuphe aboncanthathu  
ephepheni elikhalariewo (kusikal).



Linga indela ezinjez zokwenza okupheleleko-ihafu.

1. Bhinca iphepha elijirekthengela ngobude libe yihafu.

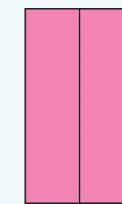
Sika iphepha lelo libe yihafu lapha ubhince khona.

Elinye nelinye icezu linobukhulu obulingana patsi.

Elinye nelinye icezu yihafu ( $\frac{1}{2}$ ) yerekthengela.

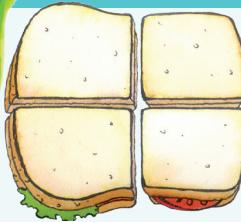
2. Bhinca elinje iphepha elijirekthengela libe yihafu  
ngelangothi ellutjhigama. Sika iphepha libe yihafu lapha  
ubhince. Elinye nelinye icezu yihafu yesiqetjhana sephephha  
ekuthongwe ngas.

3. Ngayiphi enye indela yokwahlukanisa iphepha libe ziingcezu  
ezimbili ezilinganako? Linga eainye indela ngokusebeniza  
iphepha kanye nasiere bese udweba umuda lapha ubhince  
khona ngemuva kwalapho usike.



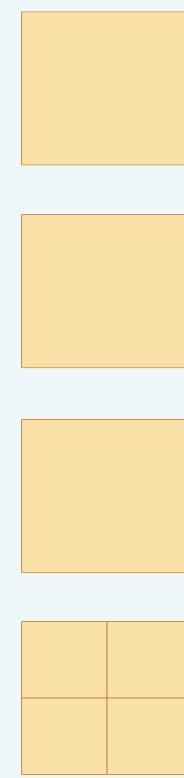
## Ingcenye ezilinganako zokupheleleko

Jong:



### Amasametjisi wesidlo semini.

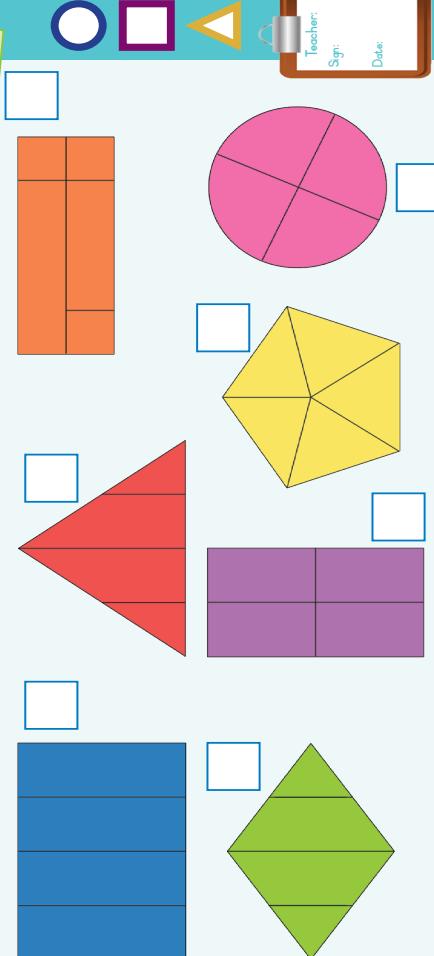
UThabo nabangani bakhe aba-3benza amasametjisi amanengi  
abazowadla ngesidlo semini. Bawasika abe makota. Okujho  
kobara bawasika abe macezu ama-4 alinganako. Nasi enye  
indela. Tengisa indela ezi-3 ongenza lokhu.



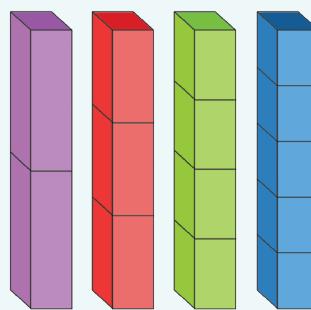
### Ukuhlukanisa kubé macezu amane alinganako (amakota).

Lokha nassika into libe makota ( $\frac{1}{4}$ ) siyehlukanisa ibe macezu amane alinganako.

Tshwaya ( $\checkmark$ ) iinthombé kilezi ezingenzasi ezitjengisa amakota.



### Amanye amacezu alinganako wokupheleleko.



Nasehlukanisa into libe ziingcezu ezi-2 ezilinganako.  
sibiza ingcenye lezon ngamahafu.

Nasehlukanisa into libe ziingcezu ezilinganako ezi-3,  
sibiza okukodwa tokuthathu.

Nasehlukanisa into libe ziingcezu ezilinganako ezi-4,  
sibiza ngamakota.

Nasehlukanisa into libe ziingcezu ezilinganako ezi-5,  
sibiza okukodwa kokuhlanu.

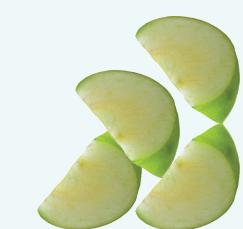
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

123

Ithemu 4

## Imiraro yamacezu

Khulumisana nomngani wakho ngamacezu.



Tlongo:

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

Utlhoga ama-apula amangaki?

Yitjho iimbalo nanyana amacezu wesibalo esimraro?

Najliphi igama eliqakathekileko?

Gwala isithombe.

 Rarulula umraro ngokuphendula imibuzzo nokwenza imidwebo.

a. Umbanduli wenetbholo upha abadlli ngamunye ihafu ye-orientji boke abadlli bali-14.

Uzokutlhoga ama-orientji amangaki?

Uthini umbuzzo?

Yitjho inomboro nanyana amacezu wesibalo esimraro?

Najliphi igama eliqakathekileko?

Gwala isithombe.

Igama eliqakathekileko  
nqello elizongisiza ukukhetha  
itswajo loka bala elifanelelo.



Ithini ipendulo?



Ithini ipendulo?

c. Ngelanga lokuthengiswa kwamanandinandi esikolweni.

Kuthengisewa abantu abama-24 iingcenuje zekhekhe.

Kuthengiswe amakhlekhe amangaki?

Najliphi igama eliqakathekileko?

Gwala isithombe.



Ithini ipendulo?

10  
9  
8  
7  
6  
5  
4  
3  
2  
1

123

122

2014/07/02 1:50 PM



## Izinto ezinobujamo be-3D

Qala iinthombe ezilanddelako.

Ngisiphi isiqhema estijengisa iimbalo, amasilinda kanye nestijengisa amabphoksi.



Ungagwala amabumbeko amangaki ngamawejisi anqophileko.



Ungagwala amabumbeko amangaki ngamawejisi anqophileko.

a. Itamati inebumbeko eliyibhoko/ellibhoksi/elijisilinda.

b. Irhalasi yokusalo inebumbeko eliyibhoko/ellibhoksi/elijisilinda.

c. Incwadi inebumbeko eliyibhoko/ellibhoksi/elijisilinda.

Thalela ipendulo enembako.

a. Itamati inebumbeko eliyibhoko/ellibhoksi/elijisilinda.

b. Irhalasi yokusalo inebumbeko eliyibhoko/ellibhoksi/elijisilinda.

c. Incwadi inebumbeko eliyibhoko/ellibhoksi/elijisilinda.



Okunqophileko nanyana okugobeneko.

Ezingu izinto ezimamama zinelingaphandle elispara kwaphela.  
Ezingu zinelingaphandle eligobeneko.



Isilinda inamahlangothi amabili aspara nelliowda eligobeneko.	Ikhownu inehlangothi ellidwa elispara nelliowda eligobeneko.	Isifigure sigobene mahlangothi woke.

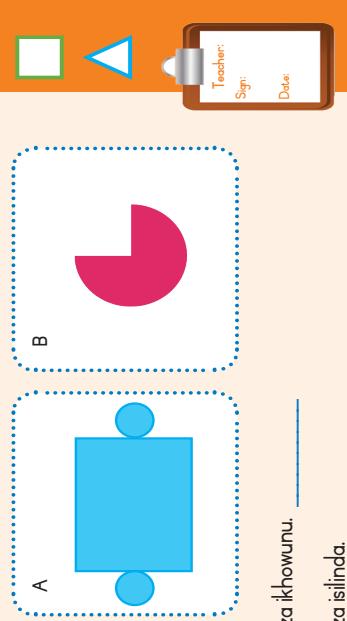


Kilezizinto ezintathu, ngikuphi:

a. Engekhe kwagedekela kude?

b. Ekungagedekela kwaphela nakusemudeni onqophileko?

c. Ekungagedekela nanyana ngakuliphi ihlangothi?



Ibumbeko elispara lingabhniceka ukwenza isithombe esiqinileko esaziwa ngene.

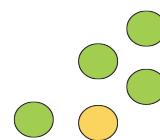
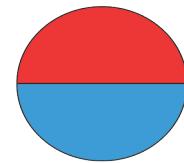
Tola ledere lened ongajibhincu ukwenza ikhowunu.

Tola ledere lened ongajibhincu ukwenza isilinda.

Tlong.

## Yitjho amacezu

Tola amacezu weenthombe ezingenzasi:



## Amanye amacezu

Umthangala wamacezu.

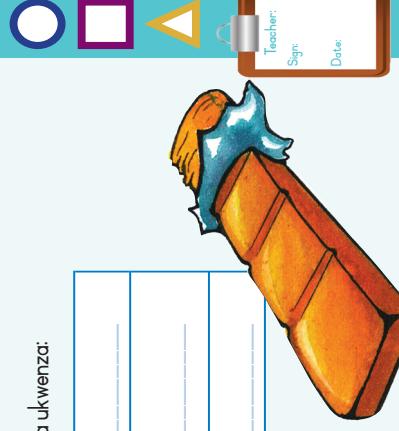
a. Licezu bani elinombala obou? _____	b. Licezu bani elinombala ohlaza satjani? _____
c. Licezu bani elinombala ohlaza saibhakabhabha? _____	d. Licezu bani elinombala osarulani? _____



a. USizwe unamacezu amane wetjhokoledi. Uphe umngani wakh'e icezu ellodwa. Yena usele ngaliphi icezu letjhokoledi? _____	b. UYosmin unama-orientji amabili. Wabelana no-Ann ama-orientji. Usele ngaliphi icezu? _____
c. UMaria uthenga intina zamdjhokoledi ezi-5. Yena uthatha istina eisisdwa, upha uMohamed intina ezi-2 bese anikele umnakkwabo intina ezi-2. UMaria yena usele ngaliphi icezu? _____	



a. USizwe unamacezu amane wetjhokoledi. Uphe umngani wakh'e icezu ellodwa. Yena usele ngaliphi icezu letjhokoledi? _____
b. UYosmin unama-orientji amabili. Wabelana no-Ann ama-orientji. Usele ngaliphi icezu? _____
c. UMaria uthenga intina zamdjhokoledi ezi-5. Yena uthatha istina eisisdwa, upha uMohamed intina ezi-2 bese anikele umnakkwabo intina ezi-2. UMaria yena usele ngaliphi icezu? _____

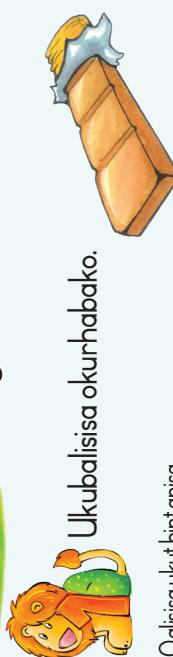


1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

126

Item 4

## Okhunye ukubuthela nokwaba



Qalisa ukuhthintanisa.

Ukubalisisa okurhabako.

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

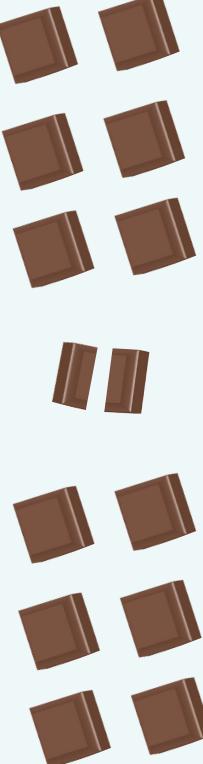


Yaba lokho okuseleko.

Ujibuo noLebo bafuna ukwabelana iinqetjhana ezili-13 zetjhokoledi. Omunye nomunye uzokufunyana iinqetjhana ezingaki?



Bangabelana kwaphela iinqetjhana ezili-12 ezizinkwere, omunye nomunye ufunyana ezisithandathu isiqetjhana esiseleko basihlephula phakathi. Okutjho kobana omunye nomunye uneenqetjhana ezisi-6-2.

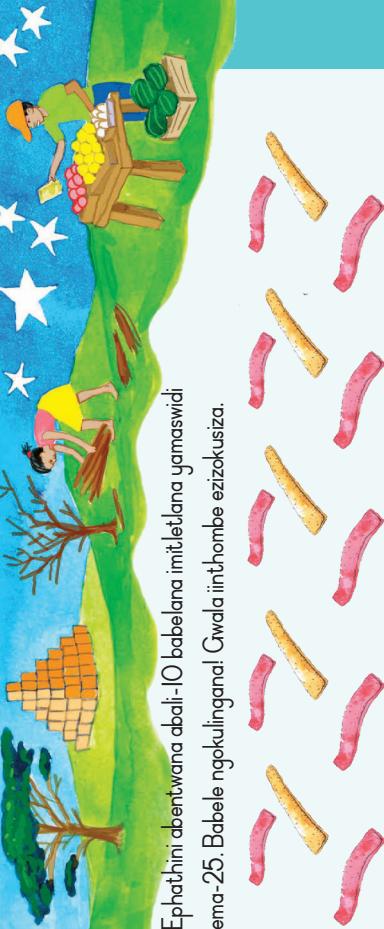


Omunye nomunye umntwana ufunyana imitletlana yamaswidi \_\_\_\_\_

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

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

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



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

Omunye nomunye umntwana ufunyana imitletlana yamaswidi \_\_\_\_\_

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

Omunye nomunye umntwana ufunyana imitletlana yamaswidi \_\_\_\_\_

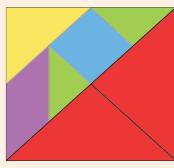
c. Yabela abentwana abali-5 imitletlana yamaswidi ema-48.

Omunye nomunye umntwana ufunyana imitletlana yamaswidi \_\_\_\_\_

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

Omunye nomunye umntwana ufunyana imitletlana yamaswidi \_\_\_\_\_

## Amacezu wamathangramu



Itangramu iphazli yakade yabantu be China eyakhwi ngamajamo ali-7 asipara, abizwa ngamathani. Woke angabekwa ndawonye ukwakha amajamo ahlukeno.

### Amacezu wamathangramu.

<p>Qalisisa iphazeli lethangramu. Aboncantathu ababili abokhulu bamacazeu maphi wesikwere esipheleleko?</p> <p>(Umboda opinksi esithombeni.)</p>	
<p>Nangabe ubhinca omunye waboncantathu abokhulu abe zingcenyę ezimbili ezililingando. isiqetjhana esinye nesinye sibukhulu obulungana nebaboncantathu abaphakathi ngabukhulu. (Isithombe esisarulanji) Isikwere esipheleleko silicezu bani lakancantathu olinqalingjeneko.</p>	
<p>Nangabe ubhinca uncantathu ophakathi ngobukhulu ubezingcenyę ezimbili ezililingando, esinye nesinye isiqetjhana sibukhulu obulungana nebaboncantathu ababili abancani. (Umdala ohlaza satjani esithombeni) Omunye nomunye walaba aboncantathu abancani balicezu bani lesikwere esipheleleko?</p>	
<p>Ungabeka aboncantathu ababili abancani ndawonye ukwakha isikwere esincani. Isikwere esincani silicezu liphii lesikwere esipheleleko (umbala ohlaza sasibhakabaka esithombeni)?</p>	
<p>Ungabeka aboncantathu ababili abancani ndawonye ukwakha ipharaleogramu. Ipharaleogramu dicezu liphii lesikwere esipheleleko?</p>	

### Ukusebeniza ithangramu.

Sika amathangramu amabili kiba Sika 12 bese uleybula isiqetjhana esinye nesinye negecezu laso lesikwere esipheleleko. (La majano wamambala we Thangramu.)

Tola ikizo lakho negemuval kwasinye nesinye isiqetjhana ukuze ukwazi ukufunyana isiqetjhana sakho ekupheleni komdalo.

Umddalo wokwabelana ngamacezu ngokulingana.



Dila nabaddali abo-4 ukuyø kababu-8 abadlli basebenzisa iinqetjhana zethangramu.

1. Abadlli bagadjilhegana ukuba barthwebi.

2. Umrhwebi uqanta kobana licezu bani lethangramu epheleleko umddali ekumale dibikebe ngekasaneni.

3. Umddali ngamunye uya funisela kobana imali eysimbi izokwua iyihloko nanyana ımsila. bese umrhwebi uphosha imali yesimbi.

4. Umrhwebi-ké waba okungekasaneni ngokulingana abele labo abafunisele ngokwéqiniso. (Kumele at hengise esinye nanyana ezinye zeengetjhana ukuze afunyana iinqetjhana ezinobungako obulungandako.)

5. Isalela enye nenyę engekhe yokghona ukwabeka isolaa ngekasaneni ukuze izokusettjeniszwa ngedlinnego eliandelako.

6. Boke abadlli bayaqalisia kobana ukwabelana kwenzive naendla elkaqigyo.

7. Umddali nangę kwenzeka afunyane iphosu, umrhwebi ubhadela ihlawulo yenani  $\frac{1}{8}$  lesikwere esipheleleko emddalini wokuthoma ofuryene iphosu leyo.

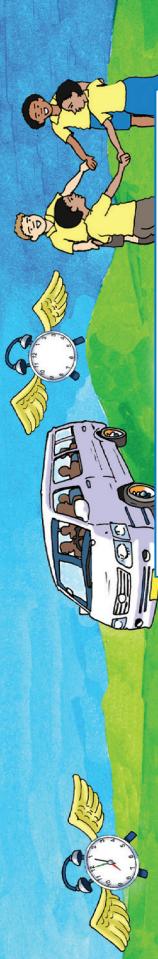
8. Umddali onganazo iinqetjhana, angothatha lezo ezsiele ngekasaneni. q. Umddalo uragela phambili bekufike lapha omunye nomunye umddali aba mrhweli khona.



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

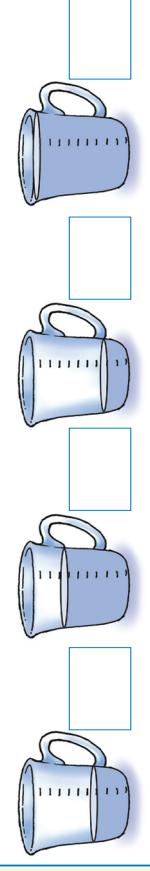
Teacher:  
Sgn:  
Date:

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



Ikhezo izalisa ikomiki  
bekuti ke estshwayeni  
leslinganiso sokuthoma.

Ijini ivolumu yekomiki  
enye nenyenye ezeleko?



Simeda inani elincani lettelezi ingamamillitha (ml).

Ikomikana emeda isihlakha le imumathha 10 ml,  
pheze okumakhezo wejiye amabili.

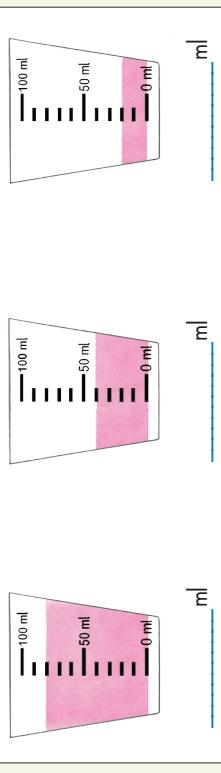
Simeda inani elikhulu ngamalitha (l).

Eltheni eyodwa kunamamillitha aykulungwana.

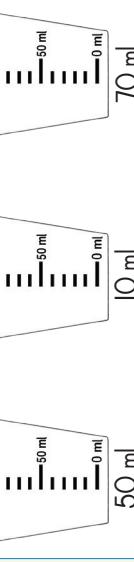


Littlelezi elingangani?

Ngejegeni kunama-ml angangani wetjelezi?



Littlelezi selitha eyodwa



Nasititola amatsishwayo wokumeda, sitjhija isikhadllana esincani hlangana kwedijidi yokugcina  
karyej netsishwayo. Ngokwesiborelo, sitbola ngendela elandelak: 3 l ingasi nje 3l, 299 g ingasi  
njé 299g; 15 km ingasi njé 15km.

Tleng:

## Ulkumeda umthhamo

Zirkomiki jezingaki ezingazala  
isumumath?

Awukameli ukutho  
amalitha nanyana  
amamillitha sebenzisa  
kwaphela ikomiki kanye  
nebhodelo.

Ikomiki (250 ml)

Isumumathi selitha eyodwa

Meda ilitha.

Funyana indela yokwenza ilitha usebenzisa ittelezi elihlukileko.

Tola umutjho weenomboro wendela enye neny.

Umutjho weenomboro:  $500 \text{ ml} + 500 \text{ ml} = 1000 \text{ ml (1 l)}$

$$\text{Umutjho weenomboro} = 1000 \text{ ml (1 l)}$$

$$\text{Umutjho weenomboro} = 1000 \text{ ml (1 l)}$$

$$\text{Umutjho weenomboro} = 1000 \text{ ml (1 l)}$$

128a

Ithemu 4

Sebenzisa iiumath  
zamabhdoleo  
wamaplastiki kanye  
nekomiki.

Simeda inani elincani lettelezi ingamamillitha (ml).

Ikomikana emeda isihlakha le imumathha 10 ml,  
pheze okumakhezo wejiye amabili.

Simeda inani elikhulu ngamalitha (l).

Eltheni eyodwa kunamamillitha aykulungwana.

Littlelezi elingangani?

Fiphaza amakomiki  
wesihlakha ukujengisa  
inani lesihlakha ekomikini  
ngajinye.

Ndebele G3 B2 Num Gr3-113-128 TWISTED.indd 119

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128b

Ithemu 4

**Emdalweni.**

Ngeskhathi sokuphumula omunye nomunye umdlali  
uselai  $\frac{1}{4}$  yelitha yejuzi.

a. Bangaki abadalli abangabelana?

litha linye \_\_\_\_\_ amalitha ama-4  $\frac{1}{2}$  \_\_\_\_\_ amalitha ama-4  $\frac{1}{2}$  \_\_\_\_\_

b. Bazokuthoga juzi enganganzi?

Abadalli ababu-8 \_\_\_\_\_ Abadalli ababu-8 \_\_\_\_\_

**Ulkumeda nokuthela****Amalitha kanye namamilimitha (ml).**

$$\begin{aligned} \text{Litha linye} &= 1000 \text{ ml} & \frac{1}{2} \text{ yelitha} &= \text{ ml} & \frac{1}{4} \text{ yelitha} &= \text{ ml} \\ |25 \text{ ml}| &= \text{ yelitha} & 50 \text{ ml} &= \text{ yelitha} & & \end{aligned}$$

**Yenza ihafu yelitha.**

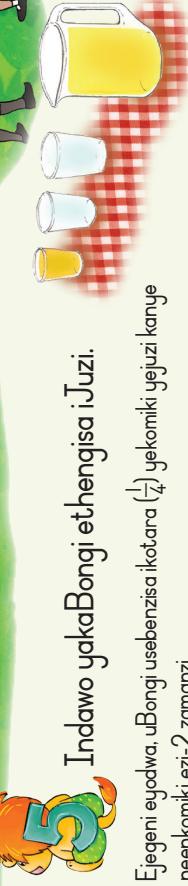
Thika(✓) amanani ama-3 athinakahlhangariseweko enze litha.

Ama-120 ml	Ama-140 ml	Ama-160 ml	Ama-28 ml	Ama-240 ml

**Ibisi lilungele ipilo yakho!**

Yaba amalitha ama-4 webishi hlanguana:

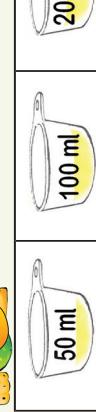
- a. Ndabantwana ababu-8 Omunye nomunye umntwana uzokufunyana \_\_\_\_\_ amalitha.
- b. Ndabantwana ababu-16 Omunye nomunye umntwana uzokufunyana \_\_\_\_\_ amalitha.
- c. Ndabantwana ababu-12 Omunye nomunye umntwana uzokufunyana \_\_\_\_\_ amalitha.

**Indawo yakaBongi ethengisa iJuzi.**

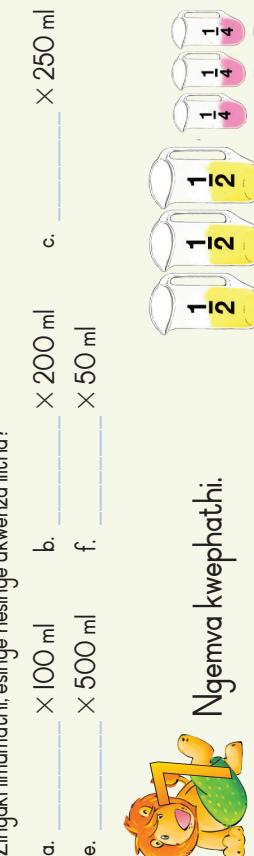
Ejegeni eyodwa, uBongi usebenzisa ikotara ( $\frac{1}{4}$ ) yekomiki yejuzi kanje neenkomiki ezi-2 zamanzu.

Ingade uBongi uzokusebenzisa juzi enganganzi ukwenza amajege ama-5 wejizi.

Amajege	1	2	3	4	5
Amakomiki wejizi	Ikota eyodwa ( $\frac{1}{4}$ )				
Amakomiki wamanzi	2				

**Kwenza ilitha eyodwa.**

50 ml	100 ml	200 ml	250 ml	500 ml
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**Zingaki iiumathini, esinye nesinye ukwenza ilitha?**

a. _____ $\times$ 100 ml	b. _____ $\times$ 200 ml
e. _____ $\times$ 500 ml	f. _____ $\times$ 50 ml

**Ngemva kwephathi.**

Iphathi yakaThandi idulile. Kodwana kuneenselo ezisaselelo.

Kusele juzi esarulani enganganzi?

Kusele juzi ephephuli enganganzi?

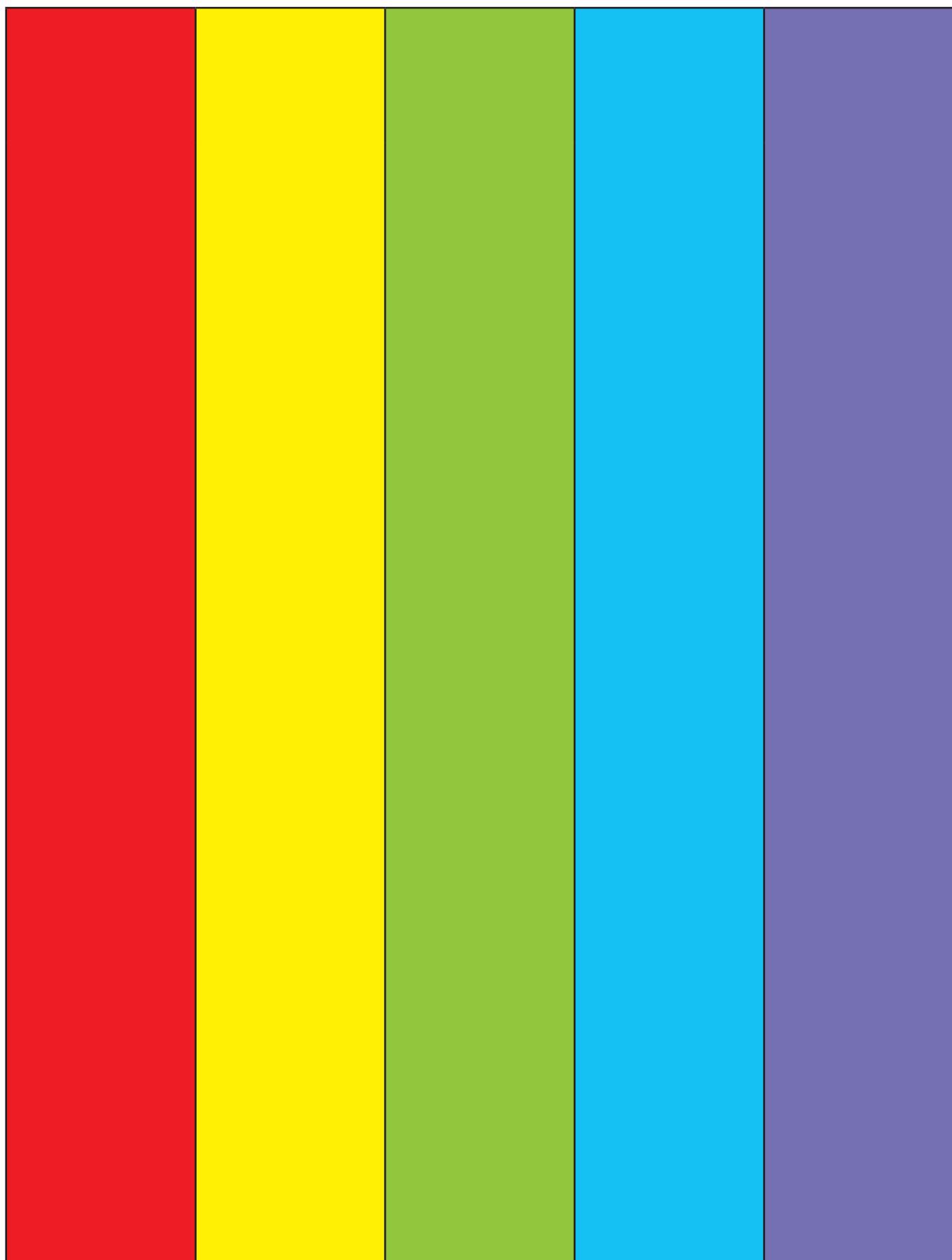
UThandi uhlanganisa imihlobo embili yamajusi ndawonye.

Uzokuzalisa amajege amangaki?

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

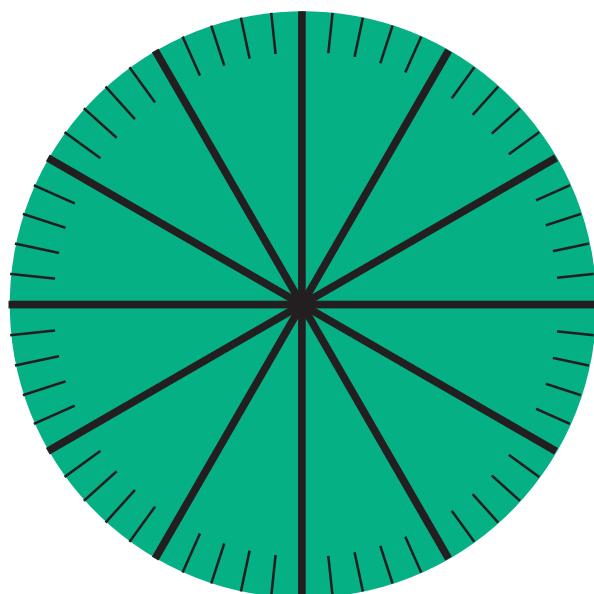
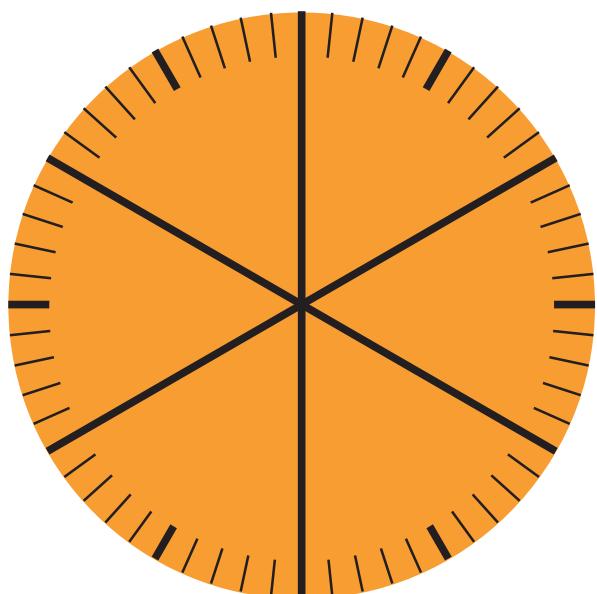
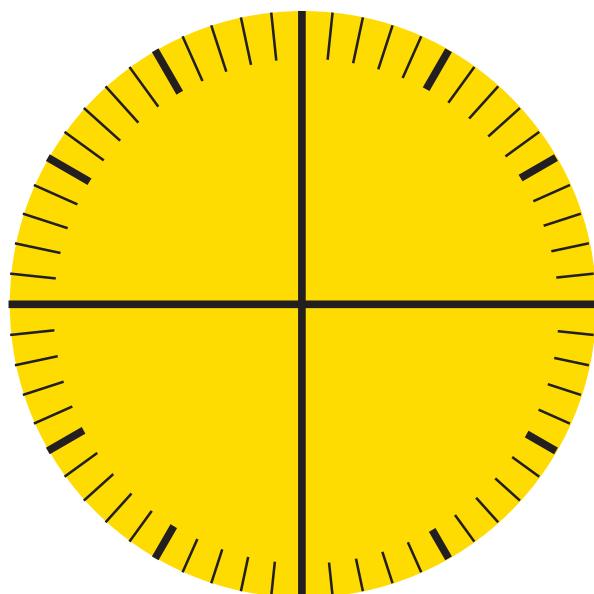
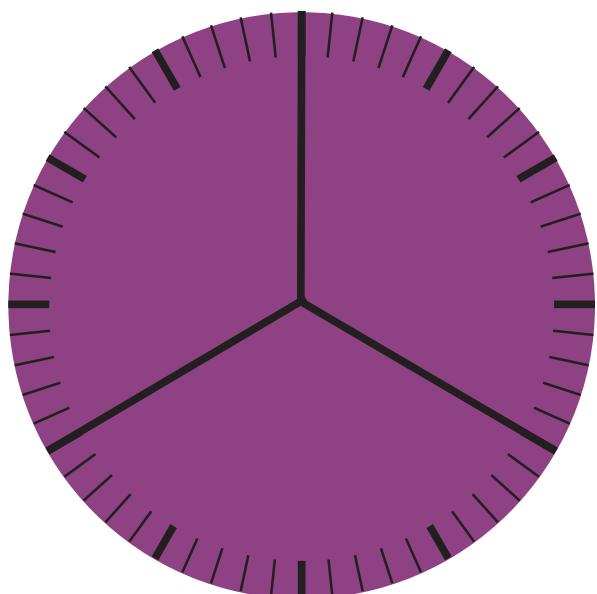
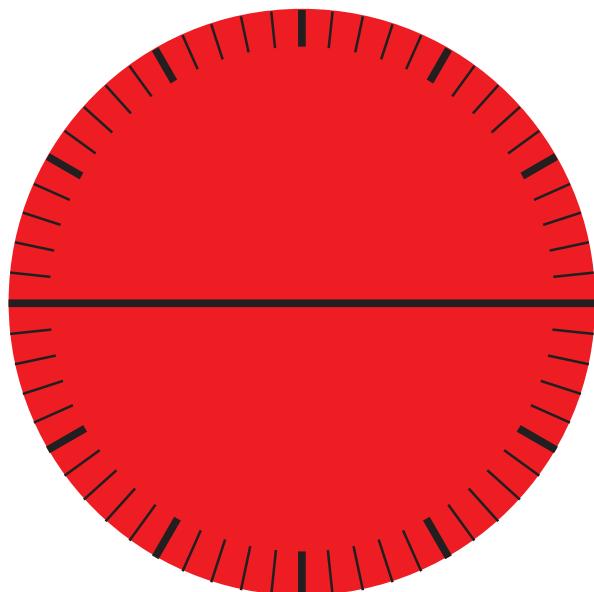
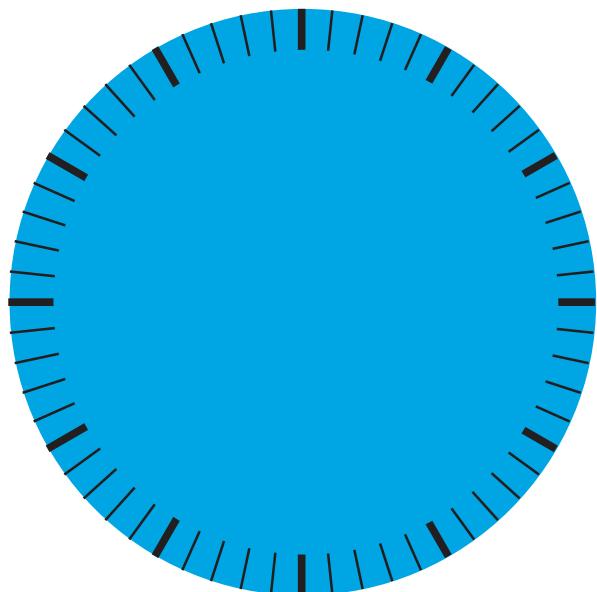
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | q | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 1 | 20

# AboSika 5



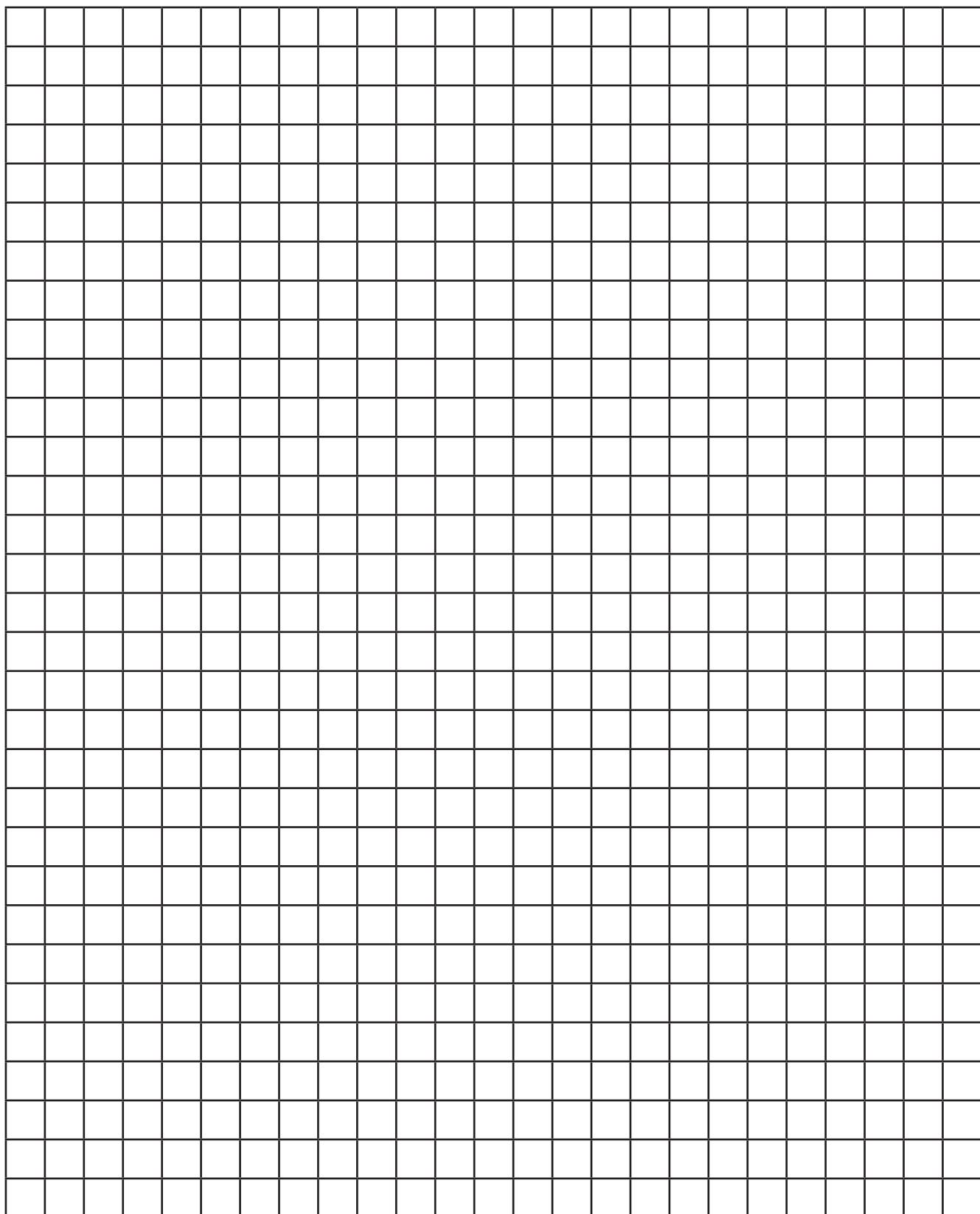


# AboSika 6





# AboSika 7





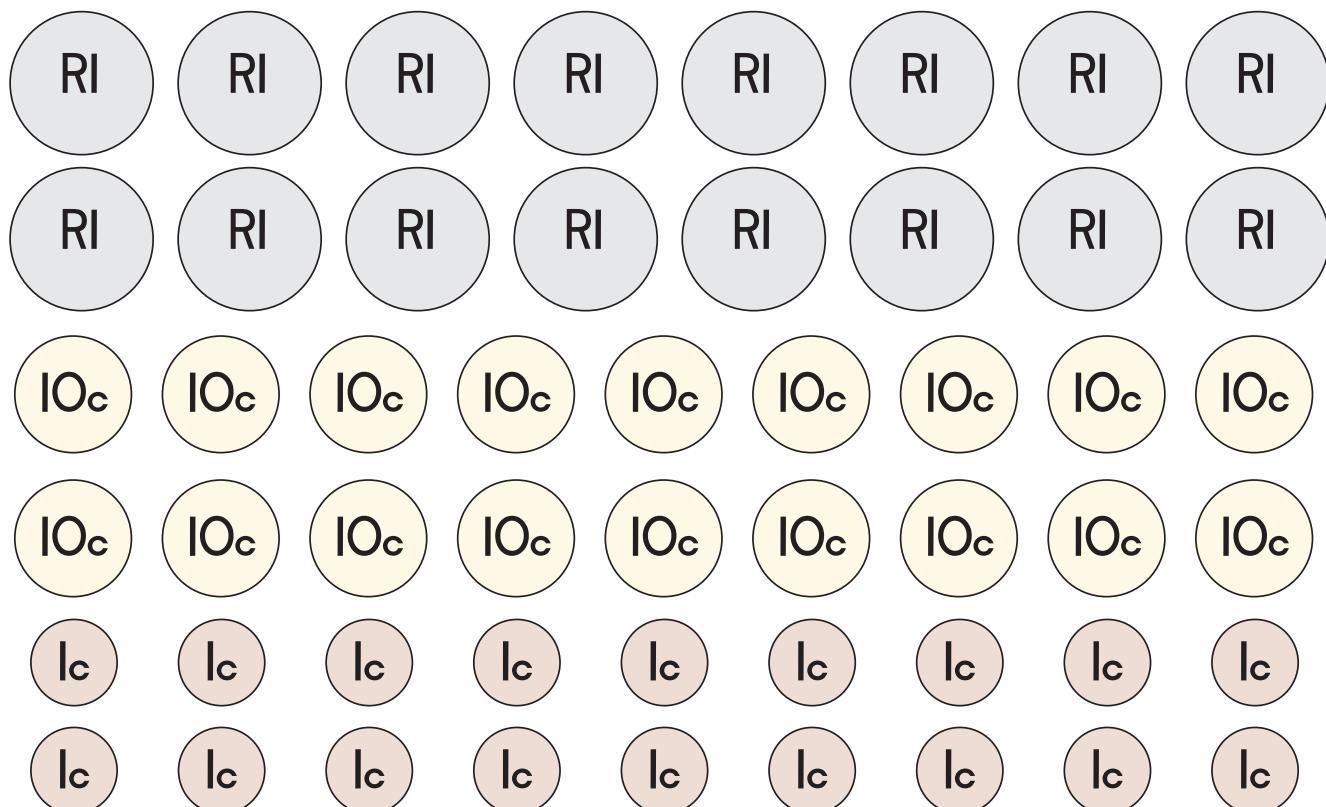
# AboSika 8

	I <sub>c</sub>	
	IO <sub>c</sub>	
	R s	
	RIO <sub>s</sub>	
	RIOOs	



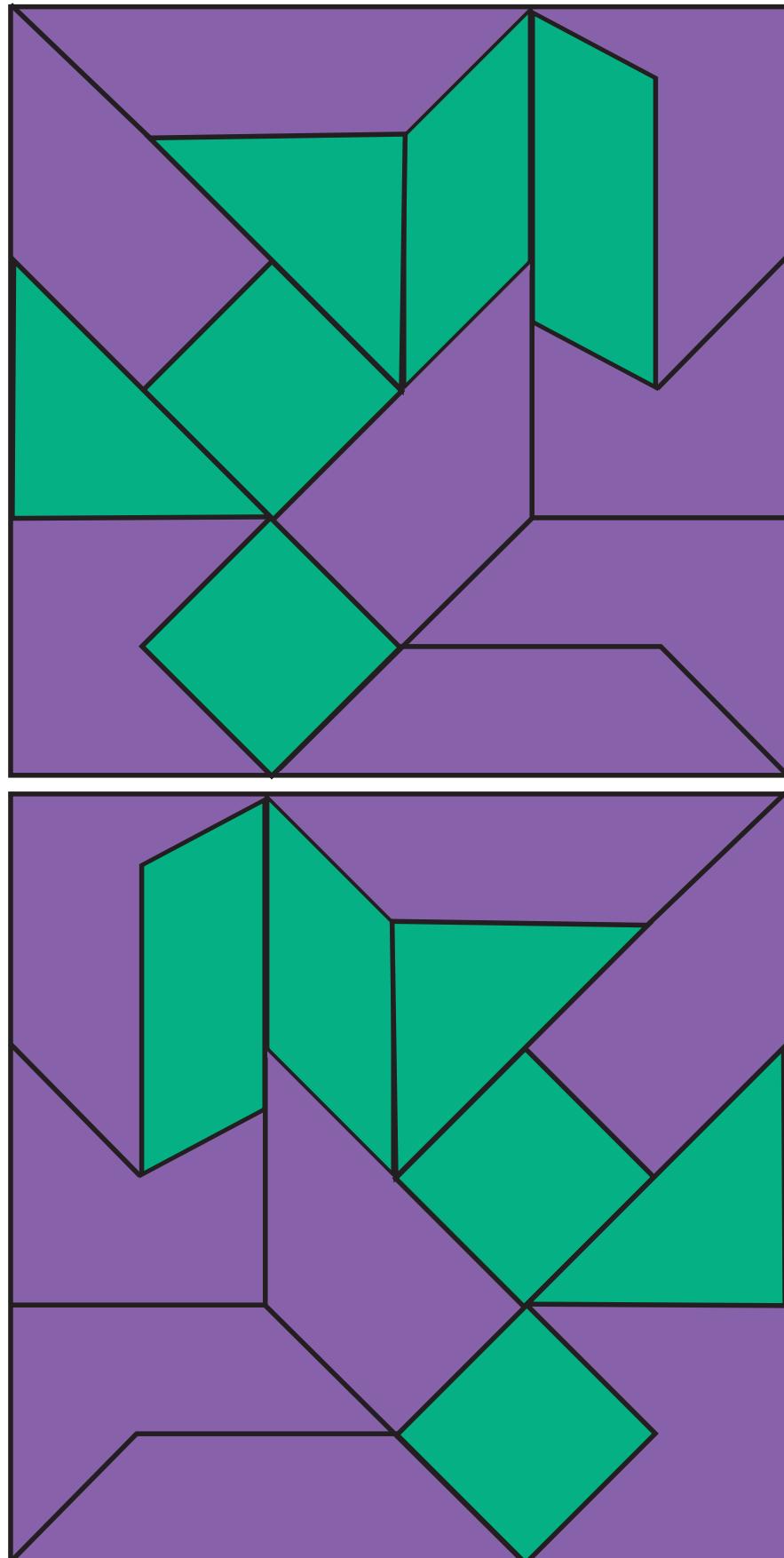
# AboSika q

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



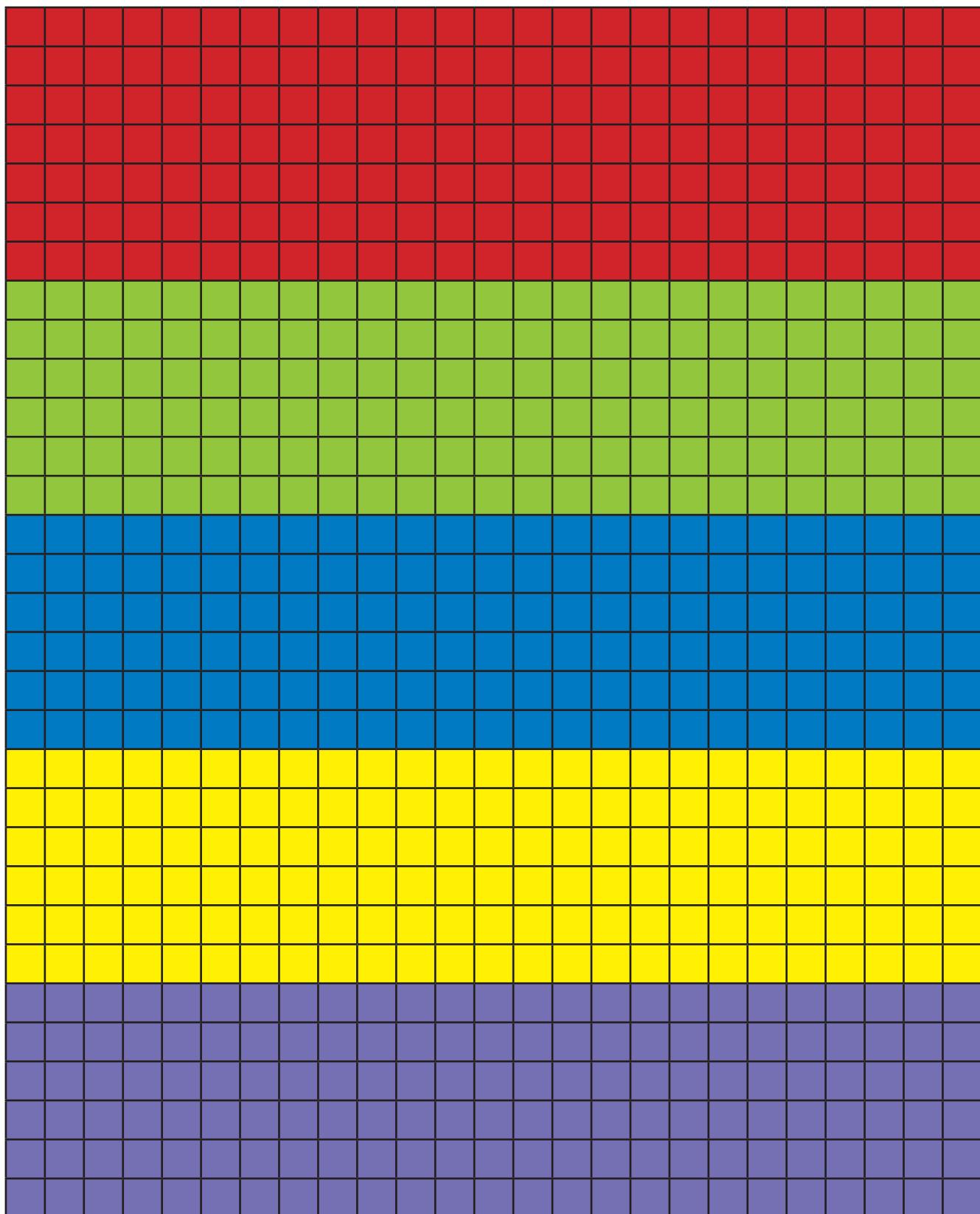


# AboSika IO





## Cut-out II





## Cut-out I2

