Kufundza ngeMtsetfo Sisekelo weNingizimu Afrika (1996)

UMtsetfo-sisekelo waseNingizimu Afrika (1996) ucuketse imitsetfo lesetulu yelive. Lemitsetfo ingetulu ngisho kwamengameli welive, tinkantolo kanye nahulumende.

Ichaza kutsi bantfu belive kumele baphatsane njani, nekutsi ayini emalungelo abo kanye nemitfwalo labanayo ngalabanye. UMtsetfo Sisekelo welive ukhonela kusivikela sonkhe nyalo kanye nebantfwabetfu ngakusasa.

Kufute sati ngelimuva letfu.	Asingawaphindzi emaphutsa ayitolo.	uMtsetfo Sisekelo usisita kutsi sicabange futsi sakhe likusasa lelihle lakhe wonkhe umuntfu.

Tsine, bantfu baseNingizimu Afrika;

Siyakubona kungabi khona kwebulungiswa esikhatsini lesengcile;

Setfulela sigcoko labo labahlukunyetwa kuze sitfole bulungiswa nenkhululeko eveni letfu;

Sihlonipha labo labasebentile kwakha nekutfutfukisa live letfu;

Siyakholwa futsi kutsi iNingizimu Afrika yabo bonkhe labahlala kuyo, sihlangene ngekwehlukahlukana kwetfu.

Ngaloko-ke, ngetitfunywa lesitikhetsele tona ngenkhululeko, siyawemukela loMtsetfo-sisekelo njengemtsetfo lophakeme kunayo yonkhe eRiphabhulikhi kuze—

- Kupheliswe kwehlukana kwayitolo futsi kwakhiwe umphakatsi losekelwe yintsandvo yelinyenti, bulungiswa ekuphileni kanye nemalungelo-sisekelo ebuntfu;
- Kubekwe sisekelo semphakatsi wentsandvo yelinyenti, longenamfihlo lapho khona hulumende abekwe ngetifiso tebantfu futsi sonkhe sakhamuti ngalokulinganako sivikelwe ngumtsetfo;
- Kwentiwe ncono lizinga lemphilo yetakhamuti tonkhe futsi kukhululwe emakhono emuntfu ngamunye; futsi
- Kwakhiwe iNingizimu Afrika lehlangene futsi yentsandvo yelinyenti lekwati kutsatsa indzawo yayo leyiyifanele njengelive lelitibusako njengawo onkhe emave latibusako.

Tsatsa lilungelo lakho njengemuntfu waseNingizimu Afrika bese utsatsa sigaba sakho kuvikela emalungelo alabanye.	Wati uMtsetfo Hlongotwako wemalungelo akho kanye neMtsetfo Hlongotwako weMtfwalo lobhekene nemuntfu.

Nkulunkulu akabusise bantfu bakitsi
Nkosi Sikelel' i-Afrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

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GRADE 3 – BOOK 2
TERMS 3 & 4
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Incwadzi 2
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Ligama:

Likilasi:

basic education
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	Kwekusikwa 9	
	Kwekusikwa 10	



Nkhskt. Angie Motshekga,
iNdvuna yeMfundvo
yeSisekelo



Dkt Reginah Mhaule
Liphini leNdvuna yeMfundvo
yeSisekelo

Letincwadzi tekusebentela tikhicitelwe bantfwana baseNingizimu Afrika ngekuholwa yiNdvuna yeTemfundvo Sisekelo, Nkhskt Angie Motshekga akanye neLiphini lakhe, Dkt Reginah Mhaule.

LeTincwadzi Tekusebentela takaRainbow tiyincenye yemitamo yaleLitiko leTemfundvo yeSisekelo yekutfutfukisa bafundzi baseNingizimu Afrika emabangeni ekucala lasitfupha ekufundza. Njengalomunye wemigomo lehamba embili eLuhlelweni lweKusebenta lwaHulumende, lomsebenti ukhokhelwe ngesihle Silulu seTimali saVelonkhe. Ngenca yalokusekelwa ngetimali, leLitiko leTemfundvo liphumelele kwakha letincwadzi ngato tonkhe letilwimi letisemtsetfweni kulelive.

Siyetsemba kutsi bothishela batatitfola tilusito kakhulu letincwadzi tekusebentela basafundzisa malanga onkhe kute bafundzi bakhone kucedza luhlelo lwabo lwekufundza. Setame, ngekucophelela lokukhulu, kusita thishela kuleyo naleyo ncenye yemsebenti, ngekusebentisa timphawu letitifombe kukhombisa umfundzi loko lokumele akwente.

Siyetsemba bantfwana nabo batakujabulela kusebentisa letincwadzi basachubeka nekukhula nekufundza; nekutsi bothishela batawutfokota kanye nabo.

Sifisela bothishela nebafundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.

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Libanga 3

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Tibalo

Lencwadzi ya:



SISWATI

Incwadzi 2

65

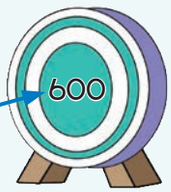
Lusuku:

Tinombolo 500 kuya ku 600



Bala ubhale.

a. Sebentisa lelishathi lelilandzelako kukusita ubale kusuka ku 500 kuye ku 600. Shano letinombolo usabala.



500

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

b. Bhala tinombolo letishiyiwe kugridi ngetulu.

c. Bhala letinombolo letili-10 letita emva kwa 500.

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

d. Bhala letinombolo letisi-8 letilandzelako ngephethini yabo 2.

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

e. Bhala tonkhe letinombolo ngephethini yabo 2 kusuka ku 548 kuye ku 570.

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

f. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 5.

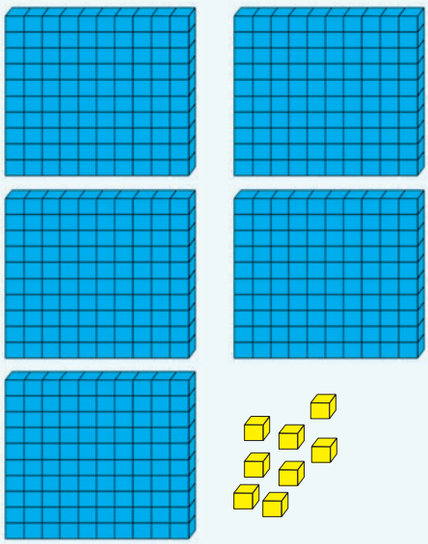
515; 520; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

1 2 3 4 5 6 7 8 9 10

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2 Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?

3 Cedzela imigca-nombolo.

540			543				547		549	
							597	598	599	
					597	598	599			

4 Cedzela lithebula.

	Bhala kusuka kulencane kakhulu kuye kulenkhulukati.	Bhala kusuka kulenkhulukati kuye kulencane kakhulu.
582, 586, 584, 581, 585		
566, 506, 560, 516, 506		

5 Bhala lokulandzelako ngemagama.

520	

Teacher:
Sign:
Date:

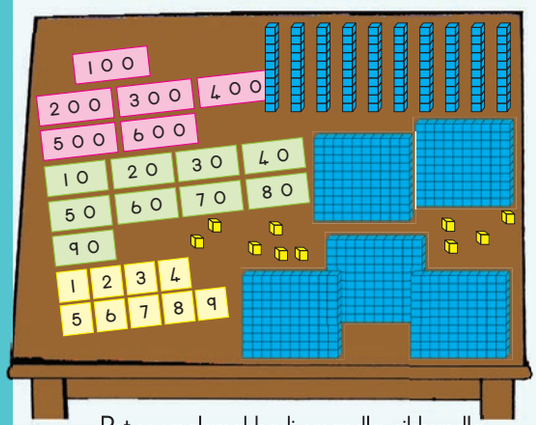
11 12 13 14 15 16 17 18 19 20

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66

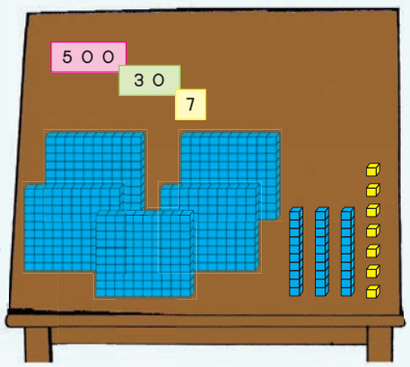
Lusuku:

Sichubeka ngetinombolo 500 kuya ku 600

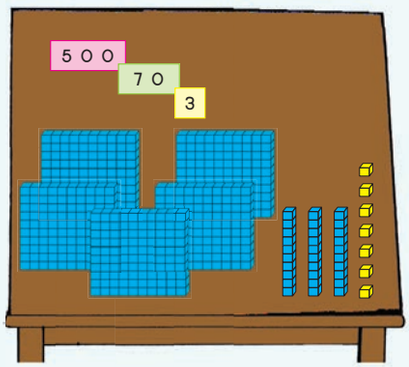


Peter unalamakhadi emandla-sikhundla lalandzelako nemabhuloki-sisekelo lalishumi.

Thishela ucela Peter kutsi akhombise 537 ngemakhadi akhe nangemabhuloki.

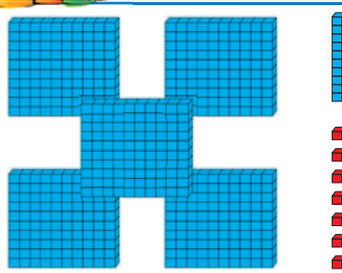


Naku lokukhonjiswe ngu-Aakar. Yini langakayenti kahle?

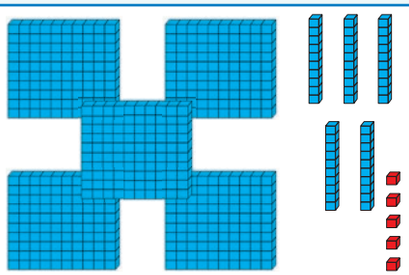


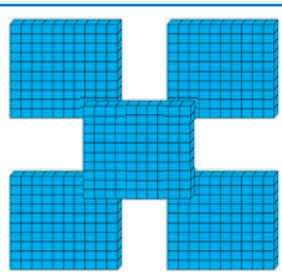


Bhala umusho-nombolo bese kulandzela imphendvulo.



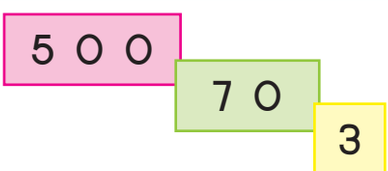
500 + 10 + 7 = 517





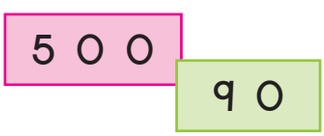


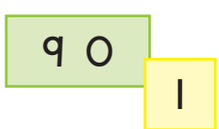
Bhala umusho-nombolo bese kulandzela imphendvulo.



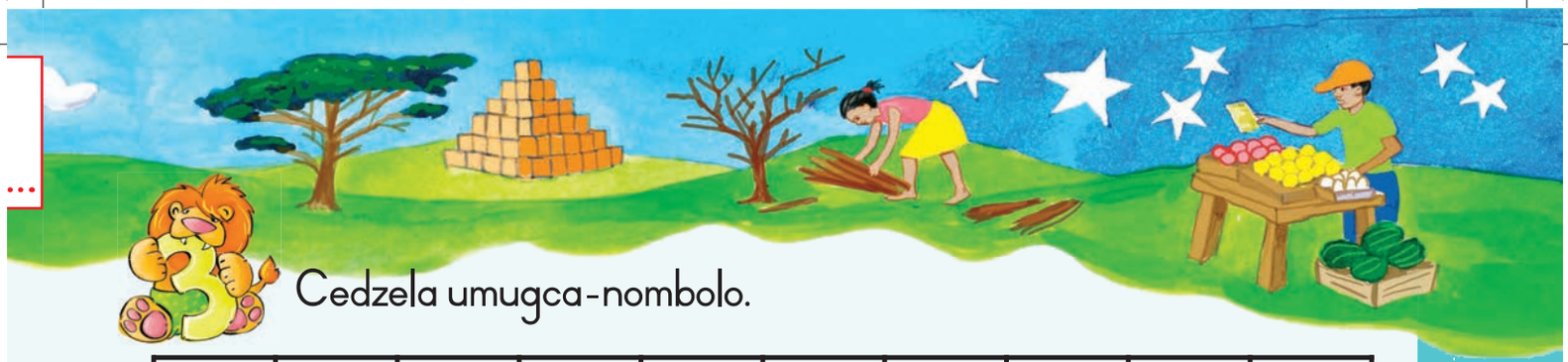
500 + 70 + 3

=





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3 Cedzela umugca-nombolo.

550	551	552								560

Bhala tonkhe letinombolo letincane kuna 556. _____

Bhala tonkhe letinombolo letinkhulu kuna 556. _____

4 Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

b. Bhala emandla eluhlavu-nombolo ngalunye.

Kunetinhlavu-nombolo letilishumi.
0 1 2 3 4 5 6 7 8 9
Sitibeka ndzawonye kwenta tinombolo.

495	
508	
594	
549	
602	

Sibonelo: 517

500	
10	
7	
517	500 + 10 + 7

5 Bhala tinombolo-magama.

221	
486	
369	
419	
491	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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Lusuku:

67 Tinombolo 600 kuya ku 700



Bala ubhale.

a. Sebentisa lelishathi lelilandzelako kukusita ubale kusuka ku 600 kuye ku 700. Shano letinombolo usabala.



600

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

b. Bhala tinombolo letishiyiwe kugridi ngetulu.

c. Bhala letinombolo letili-10 letita emva kwa 600.

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

d. Bhala letinombolo letisi-8 letilandzelako ngephethini yabo 2.

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

e. Bhala tonkhe letinombolo ngephethini yabo 2 kusuka ku 611 kuye ku 633.

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

f. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 5.

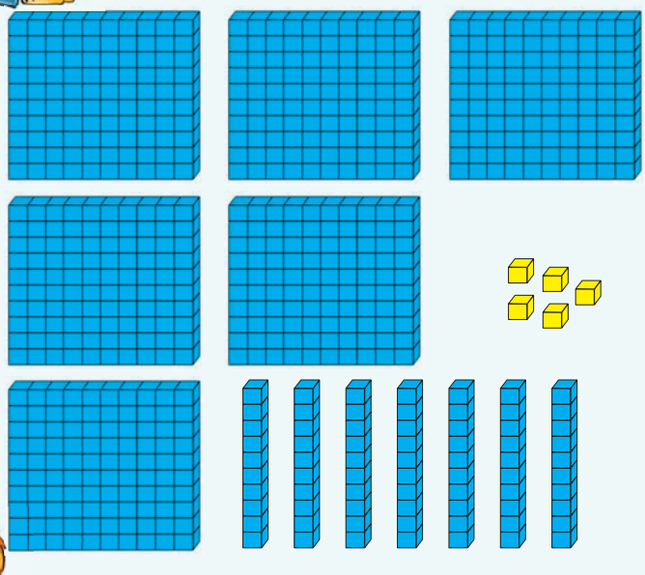
645; 650; 655; _____; _____; _____; _____; _____; _____; _____; _____

1 2 3 4 5 6 7 8 9 10

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2 Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?

3 Cedzela imigca-nombolo.

640			643				647		649	
							687	688	689	
					602	604	606			

4 Cedzela lithebula.

	Bhala kusuka kulencane kakhulu kuye kulenkhulukati.	Bhala kusuka kulenkhulukati kuye kulencane kakhulu.
672, 676, 674, 671, 675		
656, 605, 650, 615, 605		

5 Bhala lokulandzelako ngemagama.

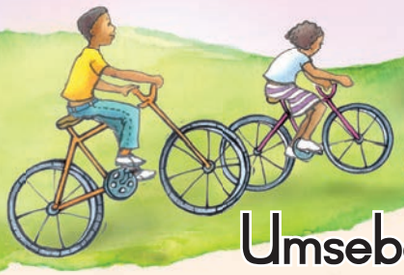
631	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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68





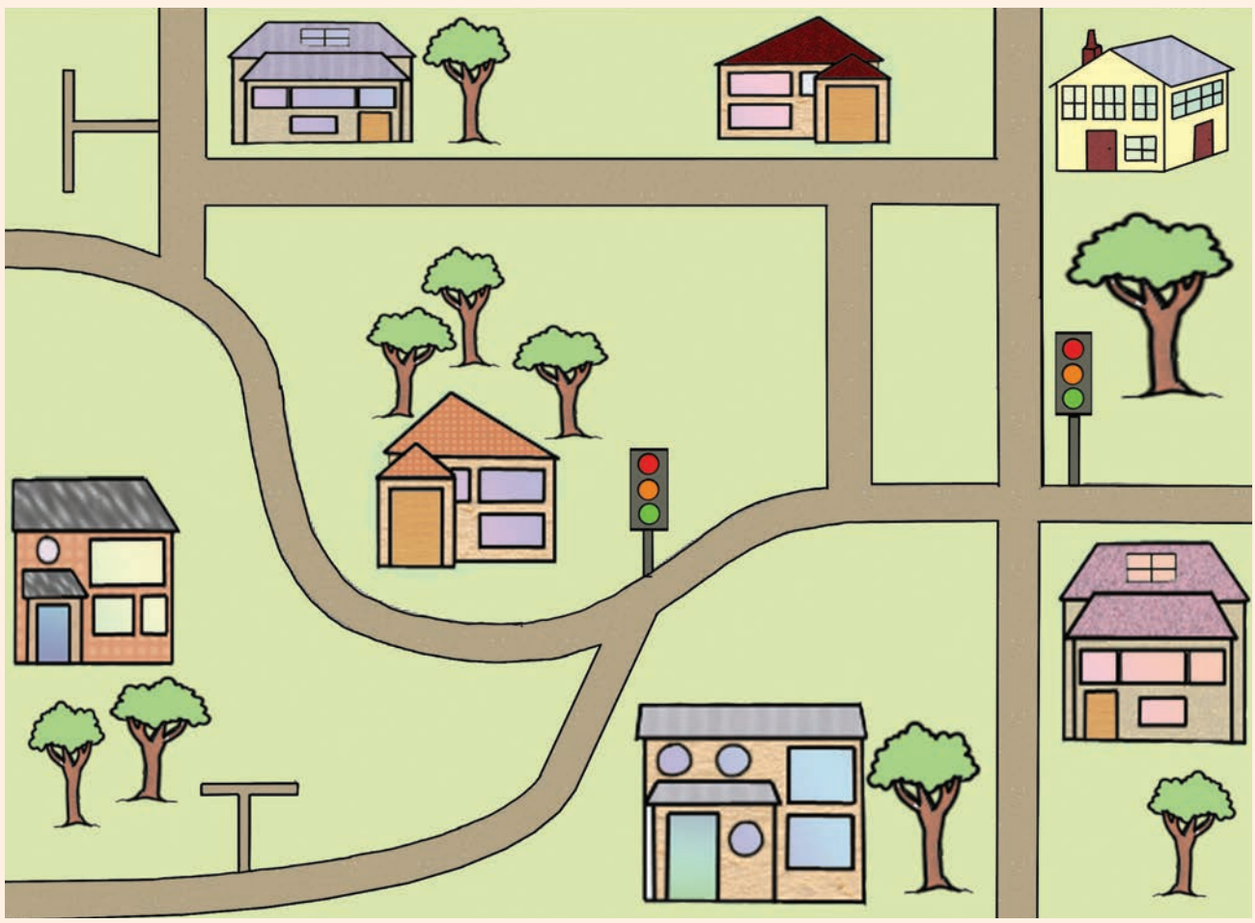
Lusuku:

Umsebenti welibalave

Buka lesitfombe.

- Kuyini loku?
- Sikusebentiselani?
- Singatfolani kubalave?







Dvweba lokulandzelako kulibalave:

Umtaponcwadzi, tikolo, umtfolamphilo, sibhedlela, emaphoyiseni, etitolo.
Ungengeta titaladi letimbalwa.

1 2 3 4 5 6 7 8 9 10

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Sebentisa lelibalave ekhasini lelengcile kulayela bangani bakho indlela kusuka:

a. emtfolamphilo uye emaphoyiseni.

b. esikolweni uye emtfolamphilo.

c. esikolweni uye etitolo.

d. etitolo uye emtaponcwadzi.

e. emtaponcwadzi uye esikolweni.

f. esibhedlela uye esikolweni.

Teacher:
Sign:
Date:

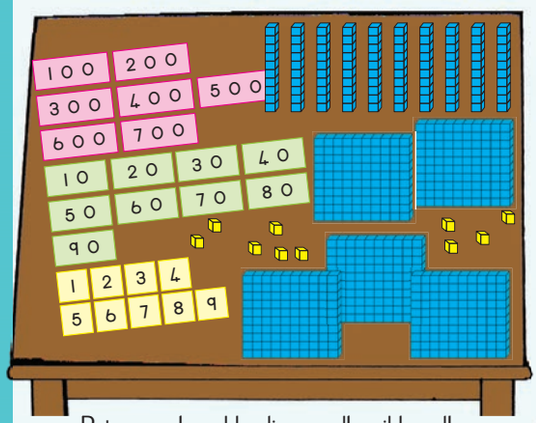
11 12 13 14 15 16 17 18 19 20

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69

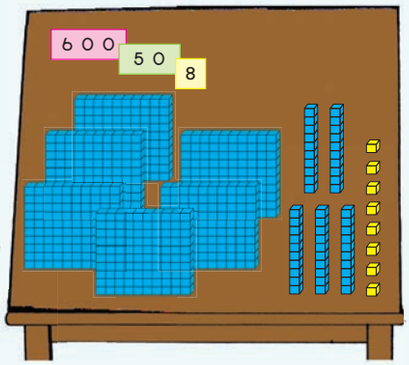
Lusuku:

Siyachubeka ngetinombolo 600 kuya ku 700

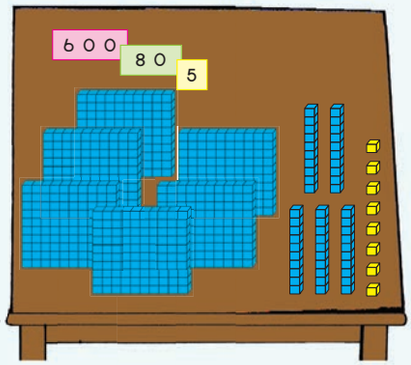


Peter unalamakhadi emandla-sikhundla lalandzelako nemabhuloki-sisekelo lalishumi.

Thishela ucela Peter kutsi akhombise 658 ngemakhadi nangemabhuloki akhe.

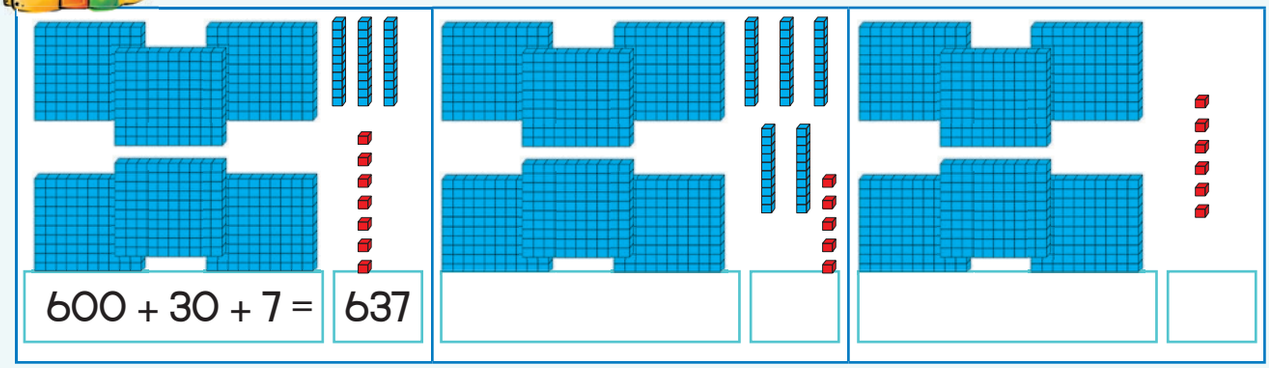


Naku Andile lakukhombisile. Yini langakayenti kahle?



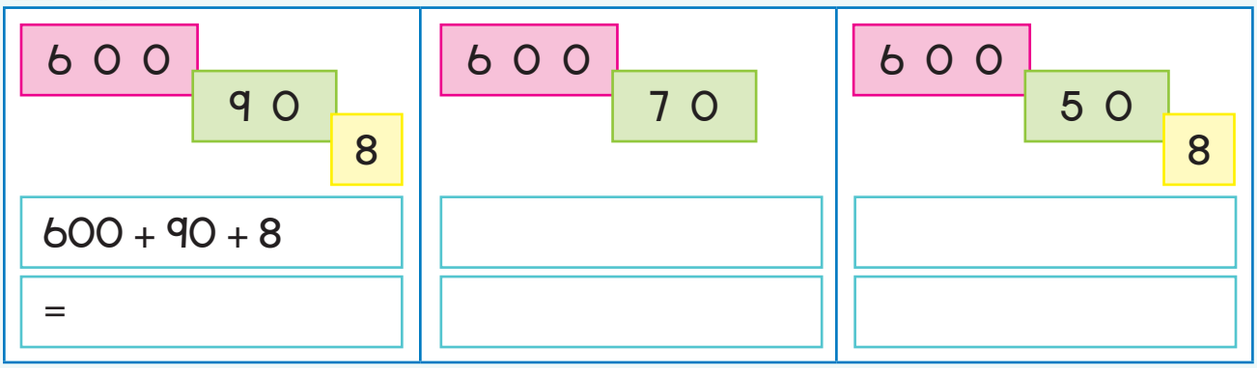


Bhala umusho-nombolo bese kulandzela imphendvulo.





Bhala umusho-nombolo bese kulandzela imphendvulo.



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3 Cedzela umugca-nombolo.

670	671	672								680

Ngibhalele tonkhe letinombolo letincane kuna 675. _____

Ngibhalele tonkhe letinombolo letinkhulu kuna 675. _____

4 Gcwalisa nga <, > noma =

a. 670 _____ 607 b. 688 _____ 699

c. 600 + 50 + 5 _____ 655

5 Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

b. Bhala emandla eluhlavu-nombolo ngalunye. Nyalo yenta loku: Vutfuta inombolo yakho.

686	
690	
699	
673	
665	

Sibonelo: 632

600

30

2

632

632	600 + 30 + 2

6 Bhala tinombolo-magama.

672	
693	
607	
697	
660	

Teacher:

Sign:

Date:

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70

Lusuku:

Tinombolo 650 kuya ku 750



Bala ubhale.

a. Sebentisa lelishathi lelilandzelako kukusita ubale kusuka ku 650 kuye ku 750. Shano letinombolo usabala.

650



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

b. Bhala tinombolo letishiyiwe kugridi ngetulu.

c. Bhala letinombolo letili-10 letita emva kwa 650.

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

d. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 2.

705; 707; 709; _____; _____; _____; _____; _____; _____; _____; _____

e. Bhala tonkhe letinombolo ngephethini yabo 3 kusuka ku 719 kuya ku 749.

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

f. Bhala letinombolo letisi-8 letilandzelako ngephethini yabo 5.

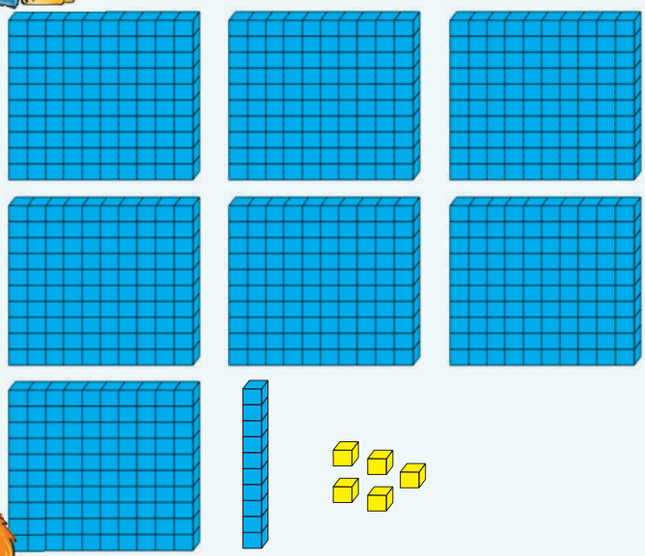
705; 710; 715; _____; _____; _____; _____; _____; _____; _____; _____

1 2 3 4 5 6 7 8 9 10

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2 Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?

3 Cedzela imigca-nombolo.

700			703				707		709	
							746	747	748	
					706	711	716			

4 Cedzela lithebula.

	Bhala kusuka kulencane kakhulu kuye kulenkhulukati.	Bhala kusuka kulenkhulukati kuye kulencane kakhulu.
729, 720, 728, 721, 725		
659, 705, 607, 701, 706		

5 Bhala lokulandzelako ngemagama.

706	

Teacher:
Sign:
Date:

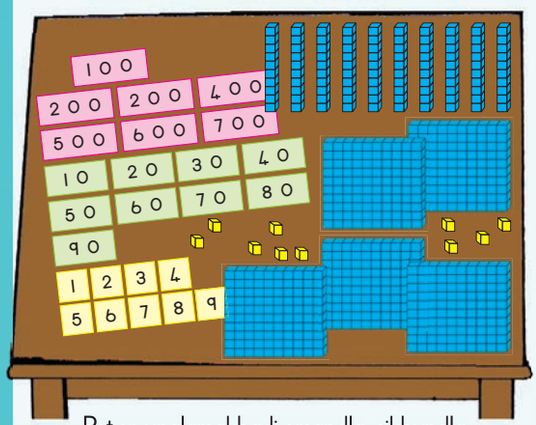
11 12 13 14 15 16 17 18 19 20

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71

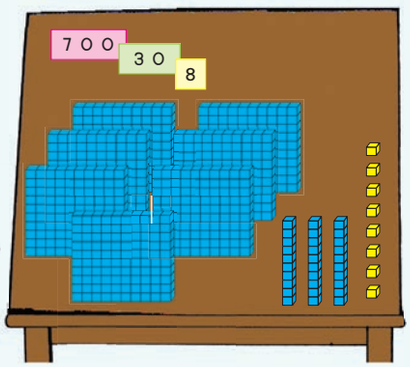
Lusuku:

Tinombolo 700 kuya ku 750

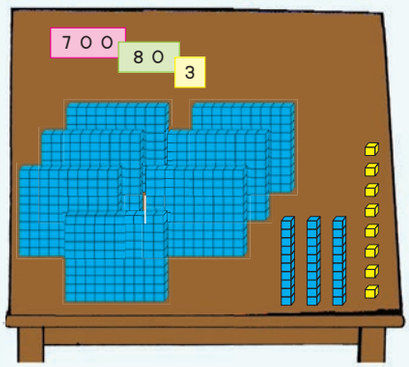


Peter unalamakhadi emandla-sikhundla lalandzelako nemabhuloki-sisekelo lalishumi.

Thishela ucela Peter kutsi akhombise 738 ngemakhadi akhe nemabhuloki.

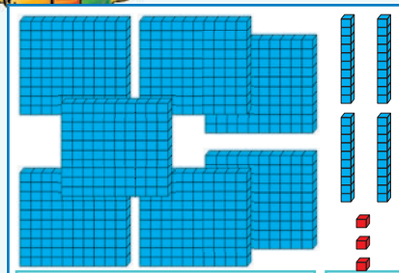
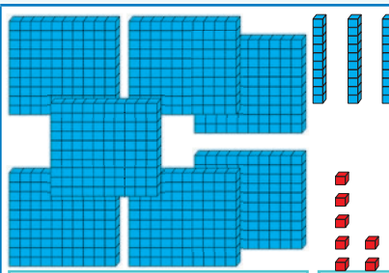
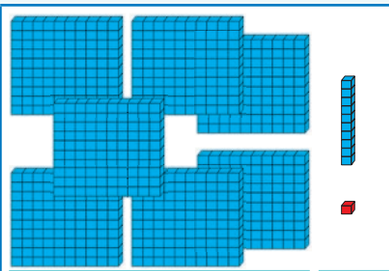


Naku Jabu lakukhombisile. Yini langakayenti kahle?





Bhala umusho-nombolo bese kulandzela imphendvulo.

		
700 + 40 + 3 = 743		

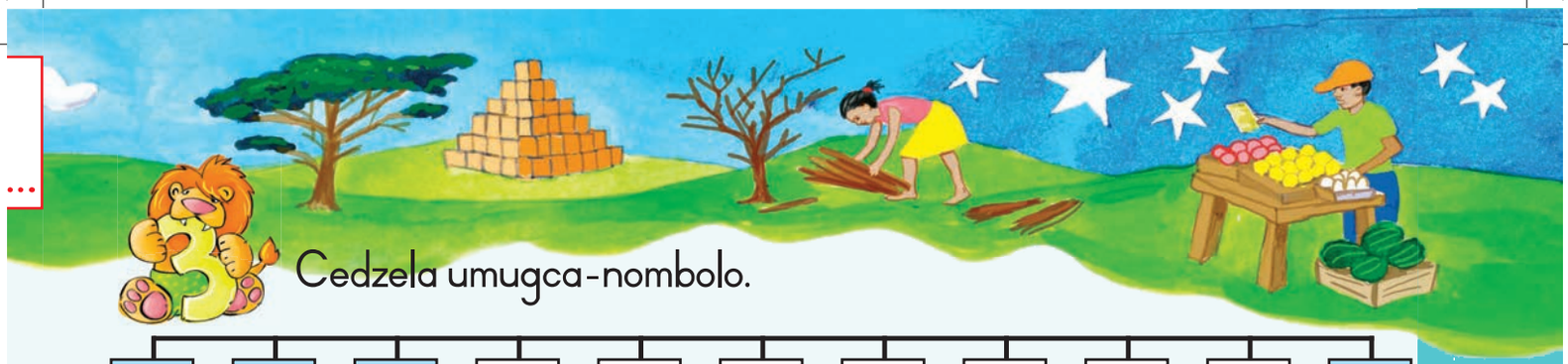


Bhala umusho-nombolo bese kulandzela imphendvulo.

700 40 5	700 30	700 9
700 + 40 + 5		
=		

1 2 3 4 5 6 7 8 9 10

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3 Cedzela umugca-nombolo.

699	700	701								709

Nginike tonkhe letinombolo letincane kuna 704. _____

Nginike tonkhe letinombolo letinkhulu kuna 704. _____

4 Gcwalisa nga <, > noma =

a. 750 _____ 749

b. 732 _____ 723

c. 700 + 40 + 9 _____ 749

5 Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

b. Bhala emandla eluhlavu-nombolo ngayinye. Nyalo yenta loku: Vutfuta inombolo yakho.

750	
728	
703	
730	
749	

Sibonelo: 747

7 0 0

4 0

7

7 4 7

747 = 700 + 40 + 7

6 Bhala tinombolo-magama.

714	
750	
742	
738	
704	

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Sign:
Date:

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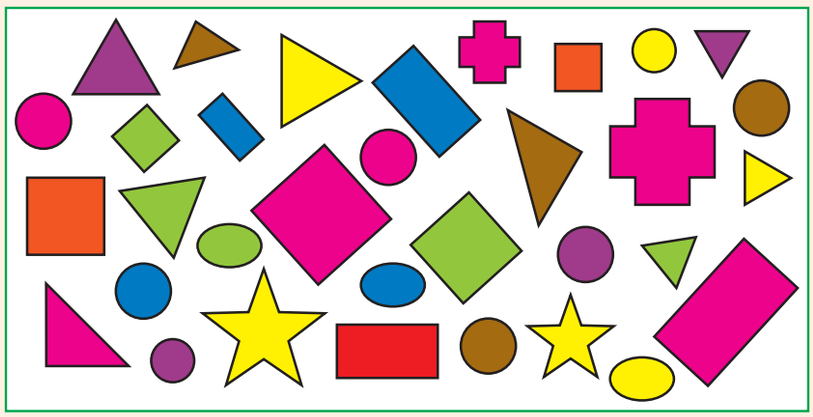


Lusuku:

.....

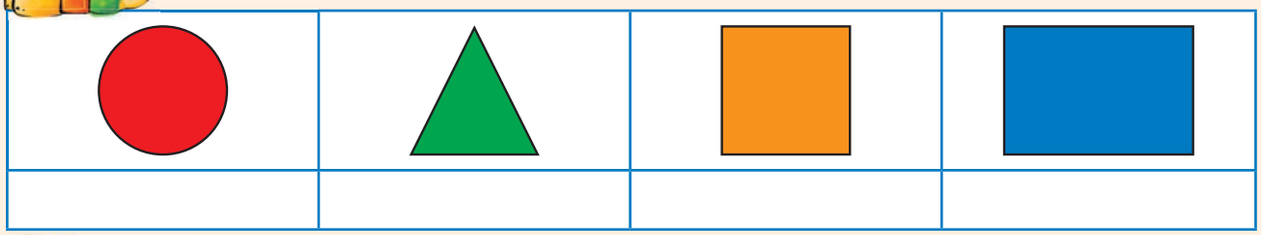
Sakhiwo se 2-D

Shano kutsi ngabe lobunjwa unelicala lelicondzile noma leliyindilinga.





Shano kutsi ngabe lobunjwa unemiphetfo lecondzile noma leyindilinga.





Bangakhi bobunjwa longabadvweba ngemiphetfo lecondzile?



Tfola titfombe

Tfola bobunjwa labanemiphetfo lecondzile ubanamatsisele lapha.

Tfola bobunjwa labanemiphetfo leyindilinga ubanamatsisele lapha.

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4 Cedzela lokulandzelako:

	Dvweba lobunjwa eme ngetindlela letehlukene.
calantsatfu	
calandze	
sikwele	

5 Cedzela lithebula:

	Shano ligama lalobunjwa	Dvweba bunjwa lomncanyana	Dvweba bunjwa lomkhudlwana
			
			
			
			

6 Tfola tikwele, bocalantsatfu, bocalandze netindilinga tebukhulu lobehlukene kubomagazini noma emaphephandzaba.

Banamatsisele lapha.



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73

Lusuku:

Kuhlanganisa nekususa ku 800



Ngingatsengani nga R500?

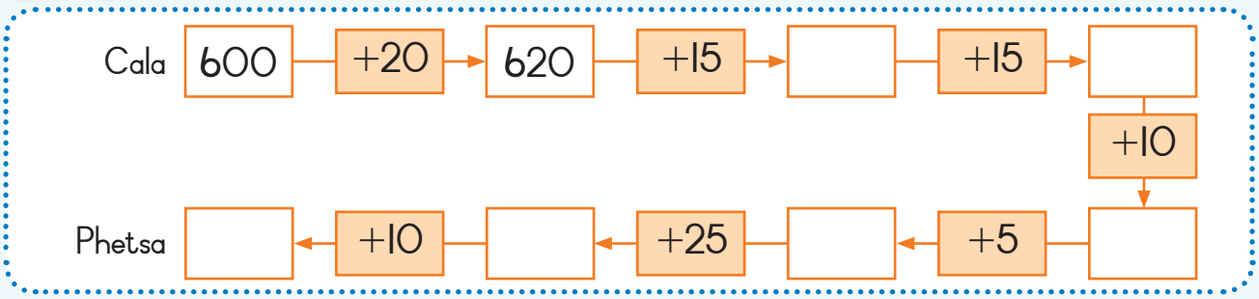
Ngutiphi taletintfo lengingatitsenga nga R500 ngco?





Kuhlanganisa sengete kusuka ku 600.

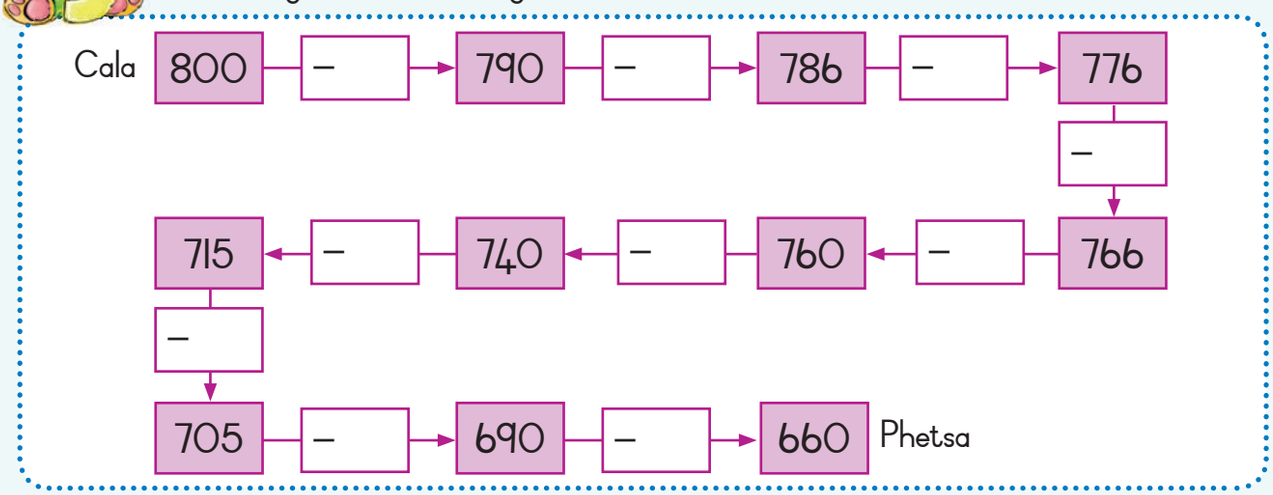
Faka tinombolo letishiyiwe.





Bala uye emuva kusuka ku 800.

Bhala "ingucuko" sikhatsi ngesikhatsi.



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4 Sombulula lokulandzelako:

725 + 53 =	
664 + 87 =	
564 + 132 =	
75 + 717 =	

5 Sombulula lokulandzelako:

James ucokelele 525 wetimabula.

Uma Sipho amnike lomunye 205 wetimabula, James utaba nelinani lelilingana nelaSipho.

a. Tingakhi timabula labatakuba nato bobabili?

b. Tingakhi timabula labekanato Sipho ekucaleni?

a.

b.

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Date:

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74 Siyachubeka ngekuhlanganisa nekususa ku 800

Lusuku: .....

Imindeni-tinombolo

Singayakha imindeni ngetinombolo.
Umndeni ngamunye unatimbili tinombolo letinkhudlwana nayinye inombolo lencanyana.
Tsatsa 4, 8 na 12 njengesibonelo.

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



Tfola imindeni.

Bhala 4 wemisho-nombolo licembu ngalinye letinombolo.

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



Funa tichumanisi.

Kulona umsebenti kumele sitfole iphethini.

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

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3 Indlela lendze ngemoto.

UMnu Mkhize uhamba ngemoto kuvakashela unina lohlala endzaweni lengema 352 km kudze. Utsatsa likhefu emva kwa 166 km. Singanani sigaba lokusamele asihambe?

Dumi wenta loku:

352 – 166

+4 + 30 + 100 + 52

166 170 200 300 352

30 + 4 + 100 + 52

= 134 + 52 = 186 km

Phumla ubhala loku:

352 – 166
= 300 + 50 + 2
– 100 + 60 + 6
= 300 + 40 + 12
– 100 + 60 + 6
= 200 + 140 + 12
– 100 + 60 + 6
= 100 + 80 + 6
= 186 km

Mbali wenta loku:

352 – 166
166 + 100 → 266 + 34 → 300 + 52 → 352
100 + 34 + 52 = 134 + 52 = 186 km

Peter wenta loku:

352 – 166
= 352 – 100 – 66
= 252 – 66
= 252 – 52 – 14
= 200 – 14
= 186 km

Veronica wenta loku:

352 – 166
352 – 152 = 200
200 – 14 = 200 – 10 – 4
= 190 – 4
= 186 km

Lebo ucabanga ngetimphindza-kabili nabohhafu:

Ihhafu ya 352 ngu 176
Kodvwa kufute ngitsatse 166 kuphela, ngako-ke ngitawuphindze ngengete 10.
176 + 10 = 186 km

Cocani ngaletindlela letehlukene. Nguyiphi indlela loyitsandza kakhulu? Kungani?

4 Sombulula loku lokulandzelako usebentisa lesinye siceshana seliphepha: Sebentisa noma nguyiphi yaletindlela letingenhla.

746 – 328	800 – 499

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Date:

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Lusuku:

75 Siphindza kuhlanganisa nekususa sifike ku 800 futsi



Yakha yakakho imindeni-tinombolo.

Umsebenti wekutifutfumeta.

8 9 17

Sibonelo: Yakha 17

5 12 17



$5 + 12 = 17$

$12 + 5 = 17$

$17 - 12 = 5$

$17 - 5 = 12$

$8 + 9 = 17$

$9 + 8 = 17$

$17 - 9 = 8$

$17 - 8 = 9$



Hlolisisa! Catsanisa! Lungisa!

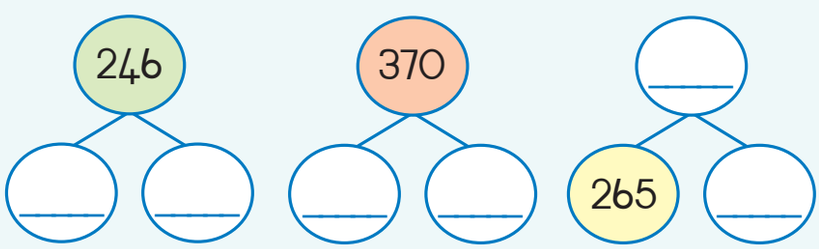
Enombolweni ngayinye ngentasi, khetsa letinye futsi leti-2 kwenta umndeni.

Bhala mine imisho-nombolo (kubili + na kubili –) kumndeni nombolo ngamunye.

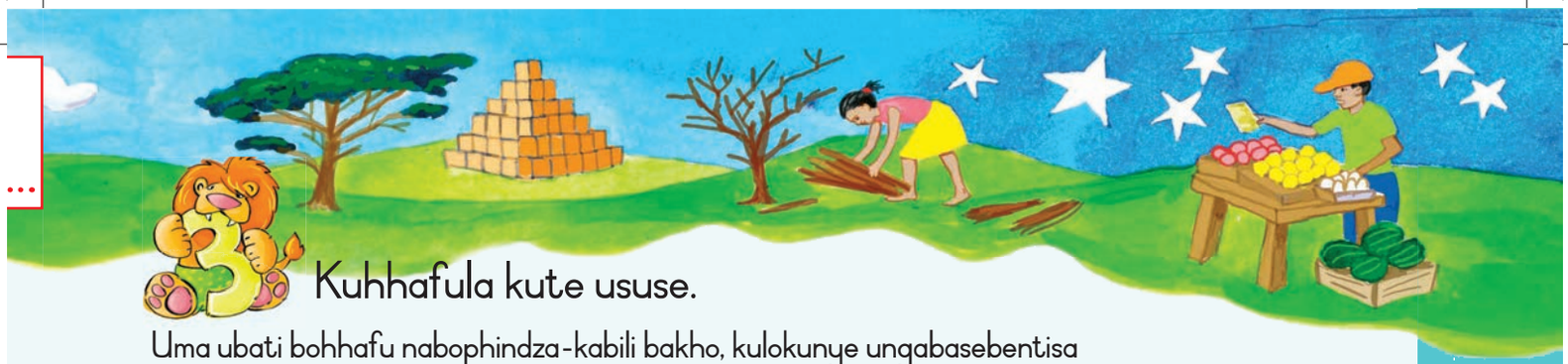
			+	+	–	–
16	7	9	$7 + 9 = 16$	$9 + 7 = 16$	$16 - 9 = 7$	$16 - 7 = 9$
20						
200						
75						
50						
500						
190						



Tfola bophindza-kabili nabohhafu labashiyiwe.



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Kuhhafula kute ususe.

Uma ubati bohhafu nabophindza-kabili bakho, kulokunye ungabasebentisa kuhlanganisa noma kususa. Tibonelo:

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

Nyalo yetama loku:

340 – 176	145 + 148	900 – 452

Fundzisisa tindlela.

256 webantfwana batfola sipho saKhisimisi ngamunye. Ihhafu yabo itfola bomdoli lenye ihhafu itfola timoto. Bangakhi labatfola timoto?

Indlela 1	Indlela 2
256 = 200 + 50 + 6 → Ihhafu ya 200 ngu 100 → Ihhafu ya 50 ngu 25 → Ihhafu ya 6 ngu 3 100 + 25 + 3 = 128 → Ihhafu ya 256 ngu 128 Ngako-ke 128 utfola timoto	→ Ihhafu ya 250 = 125 → Ihhafu ya 6 ngu 3 125 +3 = 128 → Ihhafu ya 256 ngu 128, Ngako-ke 128 utfola timoto.

Sombulula loku lokulandzelako usebentisa lesinye siceshana seliphepha: Sebentisa noma nguyiphi yaletindlela letingenhla.

728 webantfwana ngamunye utfola lithoyizi erestoranti yendzawo. Ihhafu yabo itfola emabhuloki ekwakha. Bangakhi labatfola emabhuloki ekwakha?

642 webantfwana ngamunye utfola limafini. Ihhafu yabo itfola emamafini etincetu teshokholethi. Bangakhi labatfola emamafini etincetu teshokholethi?

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76 Emaphethini-nombolo: emashumi kuya ku 800

Lusuku: .....



Yini longakusho ngaletinombolo emabhulokini lahlikihliwe?

Bala ngemashumi kusuka ku 710 kuya ku 800. Yini leta emva kwa 720 nawubala ngemashumi?

Bala uye emuva ngemashumi kusuka ku 800 kuya ku 710.
Yini leta embi kwa 760 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



Cedzela kulandzelana kwetinombolo.

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



Hlanganisa noma susa lishumi.
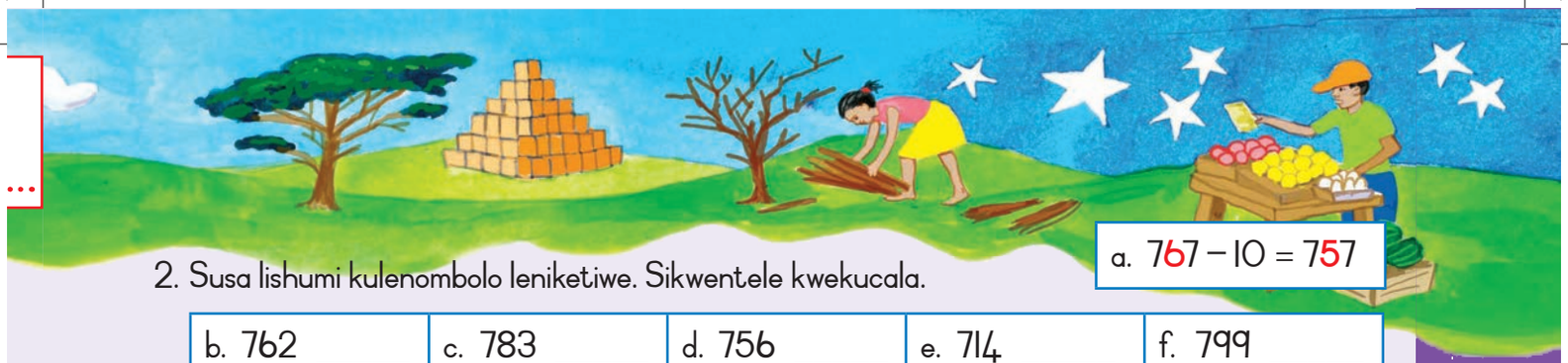
1. Yengeta lishumi. Sikwentele kwekucala.

a. 767 + 10 = 777

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

1 2 3 4 5 6 7 8 9 10

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a. 767 – 10 = 757

2. Susa lishumi kulenombolo leniketiwe. Sikwentele kwekucala.

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

3. Kwentekani nawuhlanganisa noma ususa lishumi kuletinombolo ngetulu?

_____

4 Buka letindilinga letibovu ebhodini yetinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana kwetinombolo lelandzelako:

704; 714; 724; _____ ; _____ ; _____

715; 725; 735; _____ ; _____ ; _____

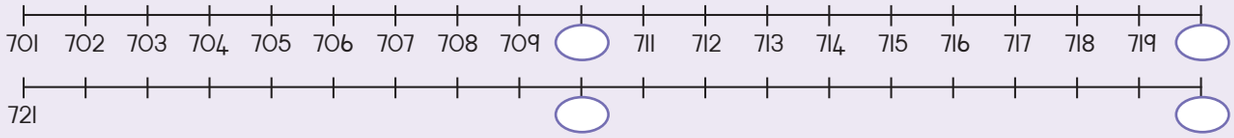
799; 789; 779; _____ ; _____ ; _____

782; 772; 762; _____ ; _____ ; _____

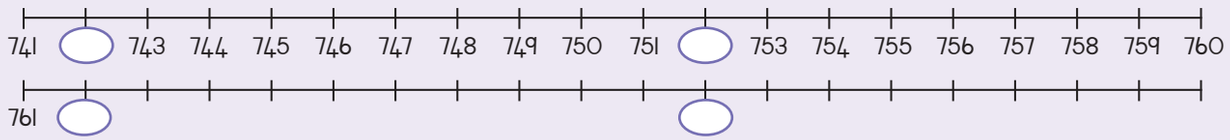
737; 747; 757; _____ ; _____ ; _____

5 Gcwalisa ngenombolo lefanele endilingeni ngayinye kulemigca-nombolo.

a.



b.



6 Nginenombolo lenhlavu-3.



Luhlavu lwekucala ngu 7, lolulandzelako lungetulu kwa 7 ngakunye, bese lwekugcina lungephansi kwa 7 ngakunye.

Uma ubala uya embili ngemashumi kusuka kulenombolo, ingaba ngubani lenombolo?

_____

Teacher:
Sign:
Date:

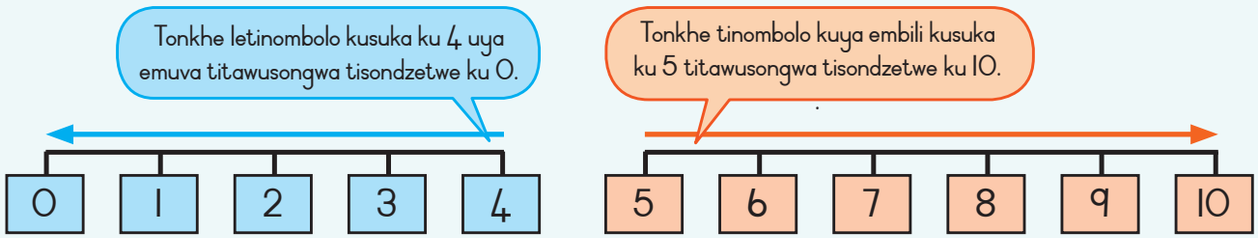
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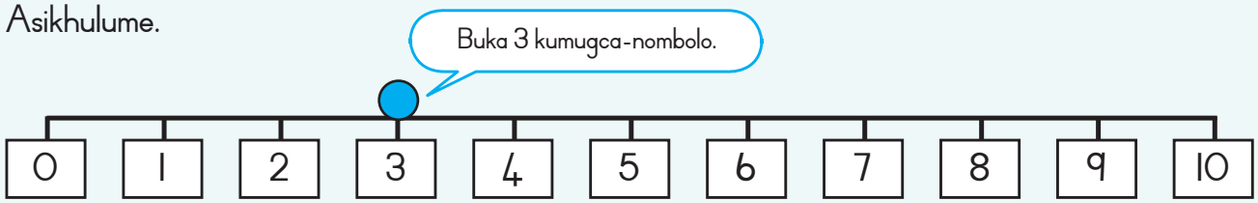
77

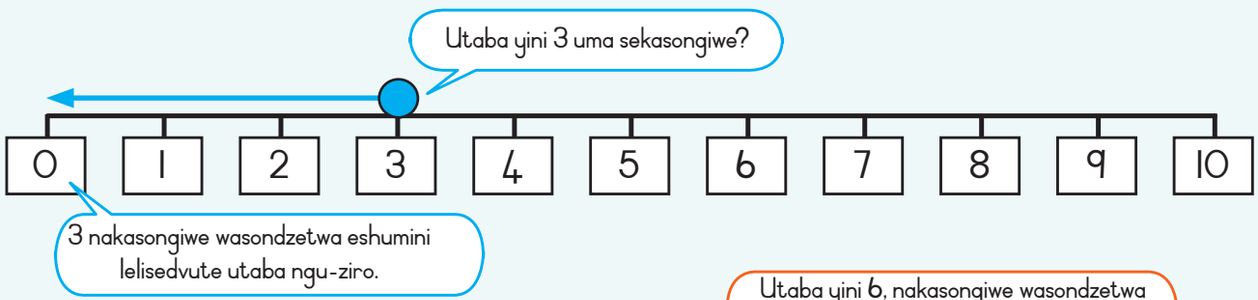
Lusuku:

Kusonga usondzete emashumini

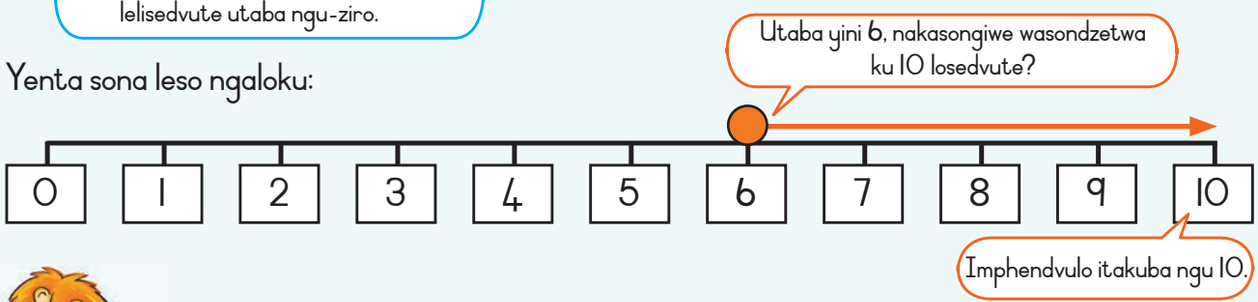


Asikhulume.





Yenta sona leso ngaloku:





Songa usondzete ku 10 losedvute.

12 nakasongiwe ngu? _____ 19 nakasongiwe ngu? _____



53 nakasongiwe ngu? _____ 58 nakasongiwe ngu? _____



1 2 3 4 5 6 7 8 9 10

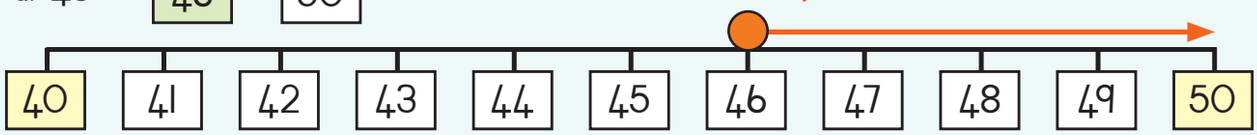
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Songa usondzete ku 10 losedvute, usebentisa imigca-nombolo kukusita.

a. 46 [46] [50]

Usemkhatsini wamaphi emashumi lamabili 46? ____



b. 63 ____

Usemkhatsini wamaphi emashumi lamabili 63? ____



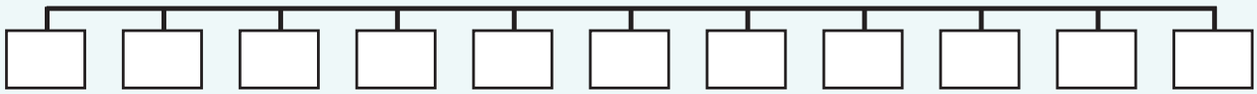
c. 37 ____

Usemkhatsini wamaphi emashumi lamabili 37? ____



d. 99 ____

Usemkhatsini wamaphi emashumi lamabili 99? ____







Thom una R48, 00.

Lipaka lemakhadi lawacokelelako libita R5, 00.

Mangakhi emapaka emakhadi langawatsenga ngaR48, 00? _____

Teacher:
Sign:
Date:

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78

Lusuku:

Kuphindzaphindza: tihlanu kufika ku 75

Yini leta ngetihlanu?

Iminwe esandleni sinye.



Mingakhi iminwe ku:

2 tandla?
3 tandla?
4 tandla?
5 tandla?
6 tandla?
7 tandla?
8 tandla?
9 tandla?
10 tandla?

Condzanisa sibalo nembuto ngesancele:

$9 \times 5 = 45$
$7 \times 5 = 35$
$2 \times 5 = 10$
$4 \times 5 = 20$
$3 \times 5 = 15$
$5 \times 5 = 25$
$10 \times 5 = 50$
$6 \times 5 = 30$
$8 \times 5 = 40$



Cedzela lithebula.

Kubutsisa	Kuphindzaphindza	Kwaba	Kwehlukanisa
2 ticumbi tabo 5	$2 \times 5 = 10$	Yaba 10 emkhatsini wa 5	$10 \div 5 = 2$
7 ticumbi tabo 5		Yaba 35 emkhatsini wa 5	
12 ticumbi tabo 5		Yaba 60 emkhatsini wa 5	
15 ticumbi tabo 5		Yaba 75 emkhatsini wa 5	



Cedzela lithebula.

Kwaba	Kwehlukanisa
Yaba 12 emkhatsini wa 5	$12 \div 5 = 2$ umsalela 2
Yaba 64 emkhatsini wa 5	
Yaba 39 emkhatsini wa 5	
Yaba 73 emkhatsini wa 5	

1 2 3 4 5 6 7 8 9 10

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Cedzela lelithebula lelingantasi:

kungena	umtsetfo	kuphuma
11	× 5	
12		
13		
14		
15		

kungena	umtsetfo	kuphuma
16	× 5	
17		
18		
19		
20		

kungena	umtsetfo	kuphuma
5	÷ 5	
10		
15		
25		
30		

kungena	umtsetfo	kuphuma
55	× 5	
60		
65		
70		
75		

Cedzela lamathebula ngentasi:

×	1	2	3	4	5	6	7	8	9	10
5										

×	11	12	13	14	15	16	17	18	19	20
5										

Utibale kanjani letimphendvulo lokufute tibhalwe etibayeni letilingangane?

Sombulula lokulandzelako:

Make wami utsenge emaphakethe emaswidi labita R70. Ubhadale R5 liphakethe ngalinye. Mangakhi emaphakethe emaswidi lawatsengile?



Teacher:
Sign:
Date:

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79

Lusuku:

.....

Emaphethini-nombolo: tihlanu kuya ku 800



Yini longakusho ngaletinombolo etibayeni letiliphuti?

Bala tihlanu kusuka ku 705 kuya ku 800.

Yini leta emva kwa 720 nawubala ngetihlanu?

Bala uye emuva ngetihlanu kusuka ku 800 kuya ku 705.
Yini leta embi kwa 730 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



Cedzela lamaphethini-nombolo.

725; 730; 735; _____ ; _____ ; _____	800; 795; 790; _____ ; _____ ; _____



Hlanganisa noma susa sihlanu.

1. Yengeta sihlanu kulenombolo leniketiwe.
   Sikwentele kwekucala.

a. 760 + 5 = 765

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

1 2 3 4 5 6 7 8 9 10

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a. 765 – 5 = 760

2. Yengeta sihlanu kulenombolo leniketiwe. Sikwentele kwekucala.

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

3. Kwentekani nawuhlanganisa noma ususa sihlanu kuletinombolo ngetulu?

_____



Buka letindilinga letibovu ebhodini yetinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana kwetinombolo lelandzelako:

703; 708; 713; _____ ; _____ ; _____

753; 758; 763; _____ ; _____ ; _____

701; 706; 711; _____ ; _____ ; _____

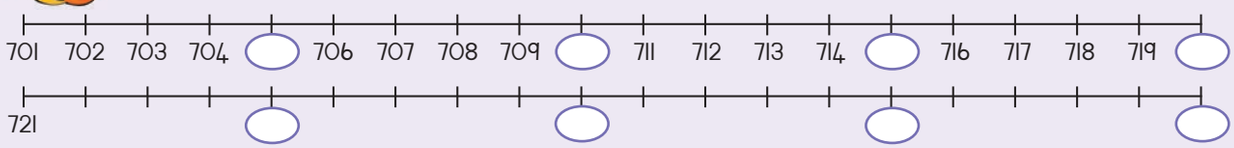
722; 727; 732; _____ ; _____ ; _____

714; 719; 724; _____ ; _____ ; _____

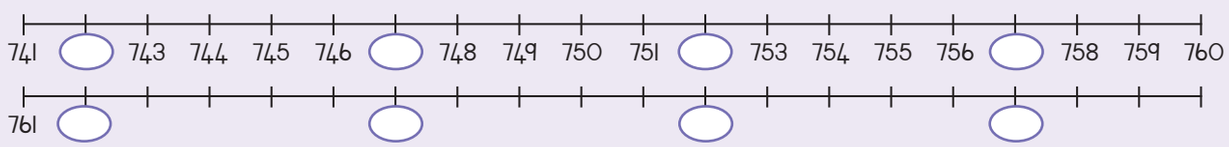


Gcwalisa ngenombolo lefanele endilingeni ngayinye kulemigca-nombolo.

a.



b.





Nginenombolo lenhlavu-3.



Luhlavu lwekucala ngu 7, luhlavu lolulandzelako lungetulu kwesikhombisa ngakunye, bese luhlavu lwekugcina lungephansi kwesikhombisa ngesihlanu.

Uma ubala uya embili ngetihlanu kusuka kulenombolo, ingaba ngubani lenombolo?

_____

Teacher:
Sign:
Date:

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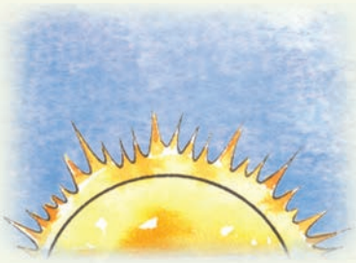
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80

Lusuku:

Sikhatsi semini nesebusuku







Lidolobha iKapa

Lithebula ngentasi likhombisa kutsi lilanga liphuma nini libuye lishone nini etikhatsini letehlukene temnyaka eDolobheni iKapa. Fundza letikhatsi kulelithebula bese ugcwalisa lokusele ethebuleni embi kwekuphendvula imibuto ngentasi.



Lidolobha iKapa	Kuphuma kwelilanga	Kushona kwelilanga	Budze bemini	Budze bebusuku
iNdlovulenkhulu 23	6:53 eksn	6:53 ntsmb		
iNhlaba 21	7:51 eksn	5:44 ntsmb		
iNyoni 19	6:41 eksn	6:41 ntsmb		
iNgongoni 22	5:32 eksn	7:58 ntsmb		

a. Ngungatiphi tinyanga lapho khona imini nebusuku kulingana ngebudze? _____

b. Nguyiphi inyanga lenetimini letindzekati? _____

c. Nguyiphi inyanga lenetimini letimfisha kakhulu? _____

d. Tfola umehluko ngema-awa nemizuzu emkhatsini wemini lendzekati nalemfisha kakhulu.

_____

e. Tfola budze bemini nebusuku balolo nalolo lulusuku kulelithebula lelingetulu.

_____

1 2 3 4 5 6 7 8 9 10

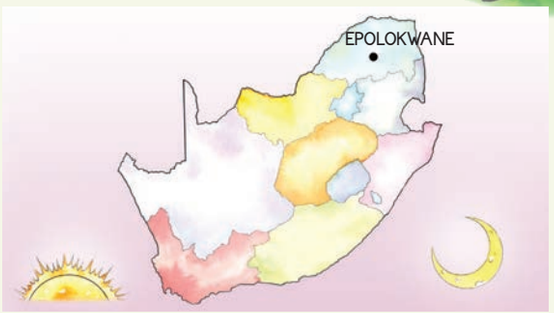
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EPolokwane

Lelithebula likhombisa kutsi lilanga liphuma libuye lishone nini etikhatsini letehlukene temnyaka ePolokwane. Fundza tikhatsi ethebuleni bese ugcwalisa lokusele ethebuleni embi kwekuphendvula imibuto ngentasi.



EPolokwane	Kuphuma kwelilanga	Kushona kwelilanga	Budze bemini	Budze bebusuku
iNdlovulenkhulu 25	6:08 eksn	6:08 ntsmb		
iNhlaba 21	6:44 eksn	5:24 ntsmb		
iNyoni 17	5:57 eksn	5:57 ntsmb		
iNgongoni 22	5:13 eksn	6:50 ntsmb		

a. Ngukutiphi tinyanga lapho khona imini nebusuku kulingana ngebudze?

b. Ngukutiphi tinyanga lapho budze bemini bufana eDolobheni eKapa nasePolokwane?

c. Ngungatiphi tinyanga lapho behlukene khona?

d. Tfola umehluko kuma-awa nemizuzu emkhatsini wemini lendzekati nalemfisha kakhulu.

e. Tfola budze bemini nebusuku balolo nalolo lulusuku kulelithebula lelingetulu.



Cela lomunye akusite kutfola tikhatsi tekuphuma nekushona kwelilanga endzaweni yakini. Tibhale phansi liviki lonkhe. Ngabe timini tiya ngekuba tindze noma tiya ngekufinyela tibe timfisha?



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81

Lusuku:

Kuphindzaphindza: ngakubili kufika ku 75

Yini lehamba ngakubili?
Lipheya linye leticatfulo.



Tingakhi ticatfulo letiku

1 lipheya leticatfulo?	1 × 2 = 2
2 emapheya eticatfulo?	9 × 2 = 18
3 emapheya eticatfulo?	7 × 2 = 14
4 emapheya eticatfulo?	2 × 2 = 4
5 emapheya eticatfulo?	4 × 2 = 8
6 emapheya eticatfulo?	3 × 2 = 6
7 emapheya eticatfulo?	5 × 2 = 10
8 emapheya eticatfulo?	10 × 2 = 20
9 emapheya eticatfulo?	6 × 2 = 12
10 emapheya eticatfulo?	8 × 2 = 16

Condzanisa sibalo nembuto ngesancele:



Cedzela lithebula.

Kubutsisa	Kuphindzaphindza	Kwaba	Yehlukanisa
10 ticumbi tabo 2	10 × 2 = 20	Yaba 20 emkhatsini wa 2	20 ÷ 2 = 10
15 ticumbi tabo 2		Yaba 30 emkhatsini wa 2	
20 ticumbi tabo 2		Yaba 40 emkhatsini wa 2	
35 ticumbi tabo 2		Yaba 70 emkhatsini wa 2	



Cedzela lithebula.

Kwaba	Kwehlukanisa
Yaba 21 emkhatsini wa 2	21 ÷ 2 = 10 umsalela 1
Yaba 33 emkhatsini wa 2	
Yaba 67 emkhatsini wa 2	
Yaba 75 emkhatsini wa 2	

1 2 3 4 5 6 7 8 9 10

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3 Cedzela lelithebula lelingantasi:

kungena	kuphuma
11	
12	
15	
17	
20	

umtsetfo: × 2

kungena	kuphuma
22	
26	
31	
30	
35	

umtsetfo: × 2

kungena	kuphuma
20	
26	
32	
38	
44	

umtsetfo: ÷ 2

kungena	kuphuma
50	
60	
68	
72	
74	

umtsetfo: × 2

4 Cedzela lamathebula ngentasi:

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

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

5 Sombulula lokulandzelako:



Ngitsenge 36 wemalolipopu abo R2.
Ngibhadale nga R50, R20 na R5 webuhhehlu.
Kube ngumalini intjintji yami?

Teacher:
Sign:
Date:

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82

Lusuku:

Iphethini yetinombolo: kubili kuya ku 800



Yini longayisho ngaletinombolo letisetibayeni tembala loliphuti?

Bala ngakubili kusuka ku 700 kuye ku 800. Yini leta emva kwa 700 nawubala ngakubili?

Bala uye emuva ngetihlanu kusuka ku 800 kuye ku 710. Yini leta embi kwa 750 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



Cedzela kulandzelana kwetinombolo.

720; 722; 724; _____; _____; _____	800; 798; 796; _____; _____; _____
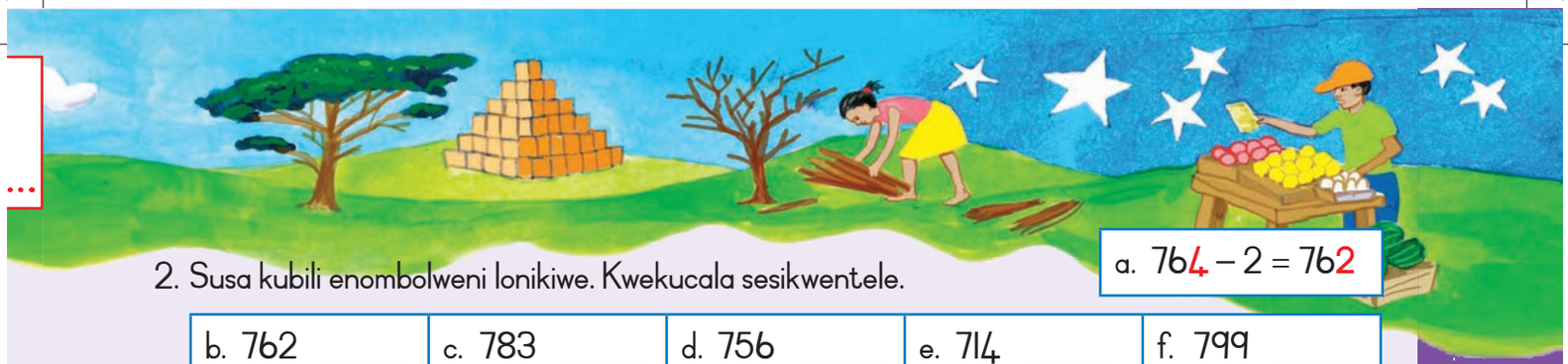


Hlanganisa noma ususe kubili.

1. Yengeta kubili enombolweni lonikiwe. Kwekucala sesikwentele.

a. 764 + 2 = 766

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

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2. Susa kubili enombolweni lonikiwe. Kwekucala sesikwentele.

a. 764 – 2 = 762

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

3. Kwentekani uma uhlanganisa noma ususa kubili kulenombolo lengetulu?

_____

4 Bukisisa letindilinga letilingangane ebhodini letinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana kwaletinombolo:

701; 703; 705; _____ ; _____ ; _____

725; 727; 729; _____ ; _____ ; _____

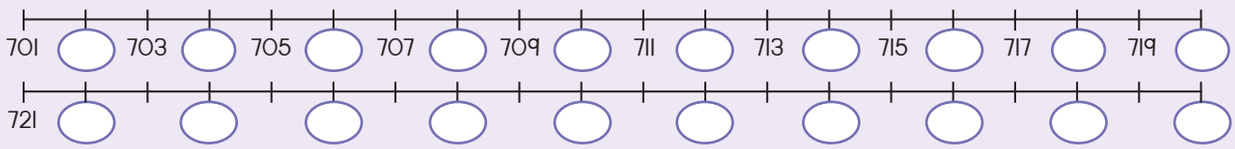
799; 797; 795; _____ ; _____ ; _____

783; 785; 787; _____ ; _____ ; _____

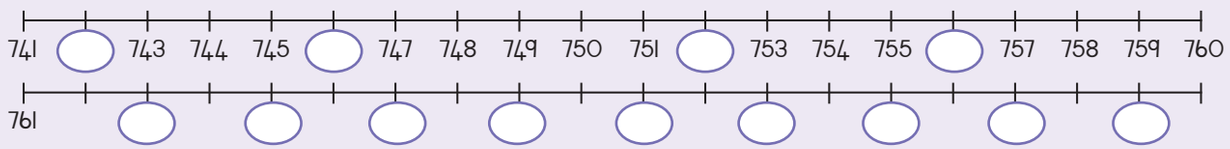
779; 781; 783; _____ ; _____ ; _____

5 Gcwalisa ngenombolo lefanele endilingeni ngayinye kulemigca nombolo.

a.



b.



6 Nginenombolo lenhlavu-3.



Luhlavu lwekucala ngu 7, luhlavu lolulandzelako lukubili ngetulu kwesikhombisa, bese luhlavu lwekugcina lukune ngaphasi kwesikhombisa.

Uma ubala ngakubili uya embili kusuka kulenombolo, ingahle ibe ngubani lenombolo?

_____

Teacher:
Sign:
Date:

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83

Lusuku:

.....

Kuphindzaphindza: bo 2 na bo 5 kufika ku 75



Ungakuphendvula masinyane kanganani loku lokulandzelako?

1 × 2 = _____	2 × 5 = _____	10 × 2 = _____	7 × 2 = _____
8 × 2 = _____	5 × 2 = _____	8 × 5 = _____	4 × 5 = _____
5 × 5 = _____	6 × 5 = _____	3 × 2 = _____	7 × 5 = _____
6 × 2 = _____	9 × 5 = _____	3 × 5 = _____	4 × 2 = _____
10 × 5 = _____	5 × 2 = _____	1 × 5 = _____	9 × 5 = _____



Bukisisa kutsi wenteni umngani wami.

Cocani ngako.

4 × 2 = 8

Umngani wami ukhombise 4 × 2 kanjena:

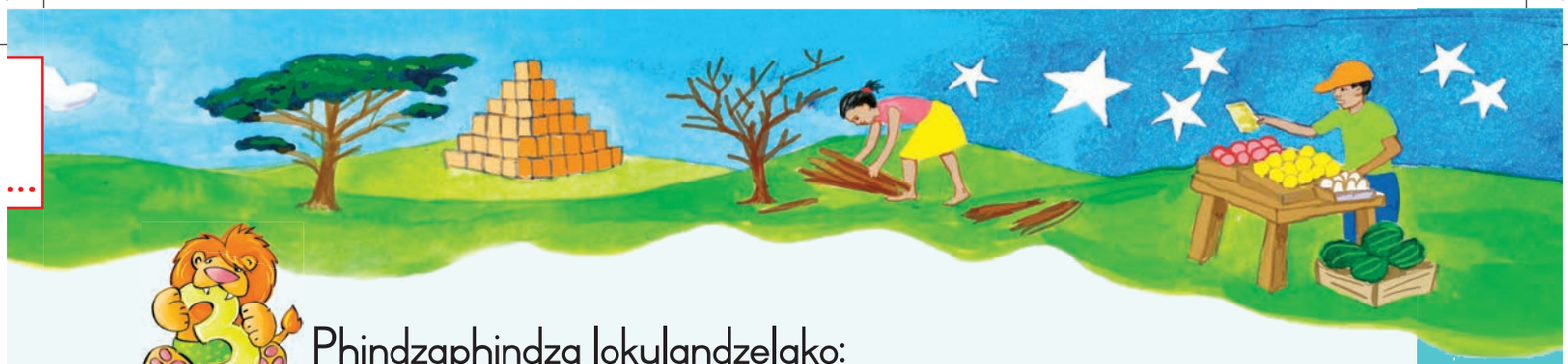
Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso
2, 4, 6, 8	●●●● ●●●●	2 + 2 + 2 + 2	xx xx xx xx	2 x 4 = 8 4 x 2 = 8 8 ÷ 4 = 2 8 ÷ 2 = 4

Nyalo-ke yenta sona leso 4 × 5 = 20.

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso

1 2 3 4 5 6 7 8 9 10

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Phindzaphindza lokulandzelako:

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

Sombulula lokulandzelako:



Ngitsenge emaswidi lali-14 nga R3 lilinye.
umngani wami utsenge emaswidi lali-12 nga R5 lilinye.
Sibhadale malini sobabili kutsenga emaswidi?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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84 Kuphindzaphindza: kutsatfu kufika ku 75

Lusuku:

Yini lehamba ngakutsatfu? Emasondvo elibhayisikili lasondvontsatfu.



Mangakhi emasondvo laku

1 sondvontsatfu?
2 bosondvontsatfu?
3 bosondvontsatfu?
4 bosondvontsatfu?
5 bosondvontsatfu?
6 bosondvontsatfu?
7 bosondvontsatfu?
8 bosondvontsatfu?
9 bosondvontsatfu?
10 bosondvontsatfu?

Condzanisa sibalo nembuto ngesancele:

$9 \times 3 = 27$
$7 \times 3 = 21$
$2 \times 3 = 6$
$4 \times 3 = 12$
$3 \times 3 = 9$
$5 \times 3 = 15$
$1 \times 3 = 3$
$10 \times 3 = 30$
$6 \times 3 = 18$
$8 \times 3 = 24$



Cedzela lithebula.

Kubutsisa	Kuphindzaphindza	Kwaba	Kwehlukanisa
11 emacembu a 3	$11 \times 3 = 33$	Yaba 33 emkhatsini wa 3	$33 \div 3 = 11$
15 emacembu a 3		Yaba 45 emkhatsini wa 3	
25 emacembu a 3		Yaba 60 emkhatsini wa 3	
12 emacembu a 3		Yaba 36 emkhatsini wa 3	



Cedzela lithebula.

Kwaba	Kwehlukanisa
Yaba 37 emkhatsini wa 3	$37 \div 3 = 12$ umsalela 1
Yaba 74 emkhatsini wa 3	
Yaba 49 emkhatsini wa 3	
Yaba 68 emkhatsini wa 3	

1 2 3 4 5 6 7 8 9 10

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3 Cedzela lelithebula lelingantasi:

kungena	umtsetfo	kuphuma
10	× 3	
12		
14		
16		
22		

kungena	umtsetfo	kuphuma
11	× 3	
13		
15		
23		
25		

kungena	umtsetfo	kuphuma
18	÷ 3	
30		
36		
42		
72		

kungena	umtsetfo	kuphuma
12	÷ 3	
63		
66		
69		
75		

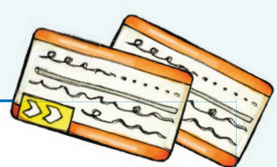
4 Cedzela lamathebula ngentasi:

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

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

Utibale njani letimphendvulo lapho khona emabhuloki angumbala lolingangane?

5 Sombulula lokulandzelako:



Imali yekungena bekungu R3 umntfwana ngamunye lapha-ke 23 webantfwana bangene epaki.
Bakhokhe malini sebabonkhe?

Teacher:
Sign:
Date:

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85 Kuphindzaphindza: bo 2, bo 3 na bo 4 kufika ku 75

Lusuku: .....



Ungakuphendvula masinyane kanganani loku lokulandzelako?

1 × 2 = _____	5 × 4 = _____	5 × 2 = _____	2 × 2 = _____
6 × 3 = _____	4 × 2 = _____	2 × 4 = _____	7 × 3 = _____
8 × 4 = _____	2 × 3 = _____	7 × 2 = _____	9 × 4 = _____
3 × 2 = _____	4 × 4 = _____	10 × 3 = _____	1 × 3 = _____
3 × 3 = _____	9 × 2 = _____	6 × 4 = _____	10 × 3 = _____



Bukisisa umngani wami kutsi wenteni.

Cocani ngaloku: **5 × 2 = 10**

Ngicale ngakhombisa 5 × 2 kanjena:

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso
2, 4, _ _ _	● ● _ _ _ _	2 + _ _ _ _	_ luhele lwa 2 xx	2 x _ = _ 4 x _ = _ _ ÷ _ = _ _ ÷ _ = _

Ngicale ngakhombisa 8 × 3 = 24 kanjena.

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso

6 × 4 = 24

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso

1 2 3 4 5 6 7 8 9 10

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3 Yehlukanisa ucilonge imphendvulo yakho.

63 ÷ 3 = (60 + 3) ÷ 3 = (60 ÷ 3) + (3 ÷ 3) = 20 + 1 = 21	21 × 3 = (20 + 1) × 3 = (20 × 3) + (1 × 3) = 60 + 3 = 63
a. 48 ÷ 5	
b. 64 ÷ 5	

4 Sombulula loku lokulandzelako:



Mine nebangani bami sina R63 sekukonkhe.
Sifuna kuyaba lemali ngekulingana emkhatsini wetfu sobatsatfu.
Ngamunye wetfu utawutfola malini?

Teacher:
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Date:

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Lusuku:

.....

86 Emaphethini nombolo: kutsatfu kuye ku 800



Yini longayisho ngaletinombolo etibayeni letinembala loliphuti?

Bala ngakutsatfu kusuka ku 703 kuye ku 799. Yini leta emva kwa 745 nawubala ngakutsatfu?

Bala uye emuva ngetihlanu kusuka ku 799 kuye ku 703. Yini leta embi kwa 766 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



Cedzela kulandzelana kwetinombolo.

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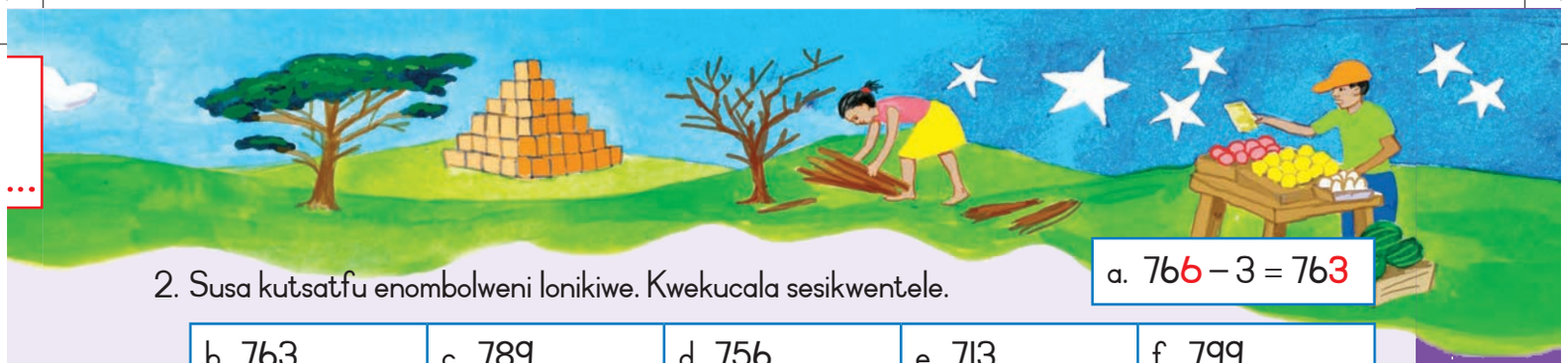


Hlanganisa noma ususe kutsatfu.

1. Yengeta kutsatfu enombolweni lonikiwe. Kwekucala sesikwentele.

a. 766 + 3 = 769

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

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2. Susa kutsatfu enombolweni lonikiwe. Kwekucala sesikwentele.

a. 766 – 3 = 763

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

3. Kwentekani uma uhlanganisa noma ususa kutsatfu kulenombolo lengetulu?

_____

4 Bukisisa letindilinga letilingangane ebhodini letinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana kwaletinombolo:

704; 707; 710; _____ ; _____ ; _____

773; 776; 779; _____ ; _____ ; _____

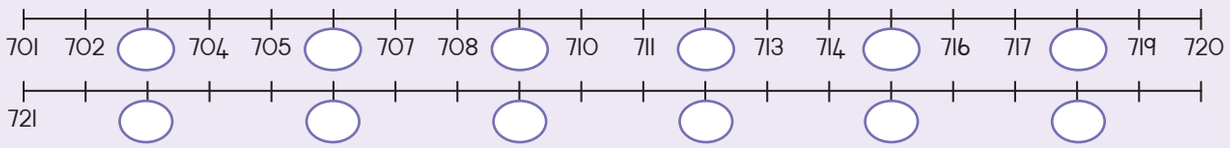
779; 776; 773; _____ ; _____ ; _____

782; 785; 788; _____ ; _____ ; _____

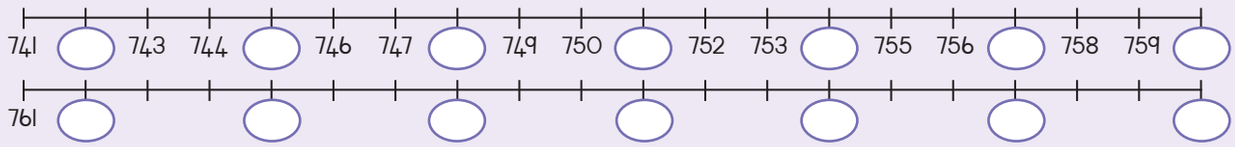
779; 782; 785; _____ ; _____ ; _____

5 Manje bala uye embili ngakutsatfu usuka kulenombolo. Utfole yiphi inombolo.

a.



b.



6 Nginenombolo lenhlavu-3:



Luhlavu lwekucala ngu 7, luhlavu lolulandzelako lukubili ngetulu kwesikhombisa, bese luhlavu lwekugcina lusikhombisa ngaphasi kwesikhombisa.

Uma ubala uya embili ngakutsatfu kusuka kulenombolo, ingahle ibe ngubani lenombolo?

_____



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Lusuku:

Kuphindzaphindza: ngakune kufika ku 75

Yini lehamba ngakune? Emasondvo emoto.



Mangakhi emasondvo laku

1 imoto?
2 imoto?
3 imoto?
4 imoto?
5 imoto?
6 imoto?
7 imoto?
8 imoto?
9 imoto?
10 imoto?

Condzanisa sibalo nembuto ngesancele:

$9 \times 4 = 36$
$7 \times 4 = 28$
$2 \times 4 = 8$
$4 \times 4 = 16$
$3 \times 4 = 12$
$5 \times 4 = 20$
$1 \times 4 = 4$
$10 \times 4 = 40$
$6 \times 4 = 24$
$8 \times 4 = 32$



Cedzela lithebula.

Kubutsisa	Kuphindzaphindza	Kwaba	Kwehlukanisa
12 emacembu a 4	$12 \times 4 = 48$	Yaba 48 emkhatsini wa 4	$48 \div 4 = 12$
16 emacembu a 4		Yaba 64 emkhatsini wa 4	
18 emacembu a 4		Yaba 72 emkhatsini wa 4	
15 emacembu a 4		Yaba 60 emkhatsini wa 4	



Cedzela lithebula.

Kwaba	Kwehlukanisa
Yaba 35 emkhatsini wa 4	$35 \div 4 = 8$ umsalela 3
Yaba 55 emkhatsini wa 4	
Yaba 70 emkhatsini wa 4	
Yaba 75 emkhatsini wa 4	

1 2 3 4 5 6 7 8 9 10

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3 Cedzela lelithebula lelingantasi:

kungena	umtsetfo	kuphuma
10	× 4	
11		
13		
14		
15		

kungena	umtsetfo	kuphuma
9	× 4	
12		
16		
17		
18		

kungena	umtsetfo	kuphuma
16	÷ 4	
32		
44		
60		
72		

kungena	umtsetfo	kuphuma
40	÷ 4	
52		
56		
64		
68		

4 Cedzela lamathebula ngentasi:

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

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

Utibale njani timphendvulo lapho khona emabhuloki angumbala lolingangane?

5 Sombulula lokulandzelako:



Ngina R75.
Tingakhi tipho tephathi letincane taR4 lengingatitsenga?

Teacher:
Sign:
Date:

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Lusuku:

Emaphethini nombolo: ngakune kuye ku 800



Yini longayisho ngaletinombolo etibayeni letinembala loliphuti?

Bala ngakune kusuka ku 704 kuye ku 800. Yini leta emva kwa 736 nawubala ngakune?

Bala uye emuva ngakune kusuka ku 800 kuye ku 704. Yini leta embi kwa 776 uma ubala 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



Cedzela kulandzelana kwetinombolo.

704; 708; 712; _____; _____; _____	724; 728; 732; _____; _____; _____



Hlanganisa noma ususe kune.

1. Hlanganisa kune enombolweni lonikwe yona. Kwekucala sesikwentele.

a. 764 + 4 = 768

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

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a. 764 – 4 = 760

2. Susa kune enombolweni lonikwe yona. Kwekucala sesikwentele.

b. 768 _____	c. 784 _____	d. 752 _____	e. 714 _____	f. 798 _____

3. Kwentekani uma uhlanganisa noma ususa kune kulenombolo lengetulu?

_____

4 Bukisisa letindilinga letilingangane ebhodini letinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana kwaletinombolo:

703; 707; 711; _____ ; _____ ; _____

773; 777; 781; _____ ; _____ ; _____

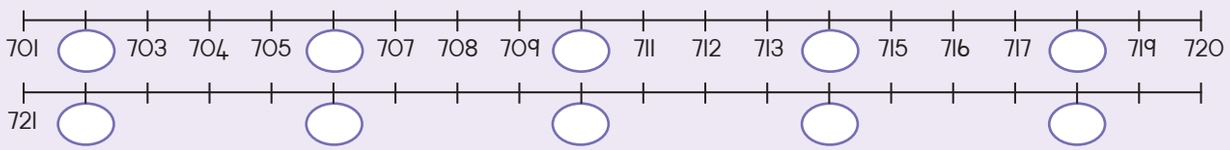
711; 715; 719; _____ ; _____ ; _____

783; 779; 775; _____ ; _____ ; _____

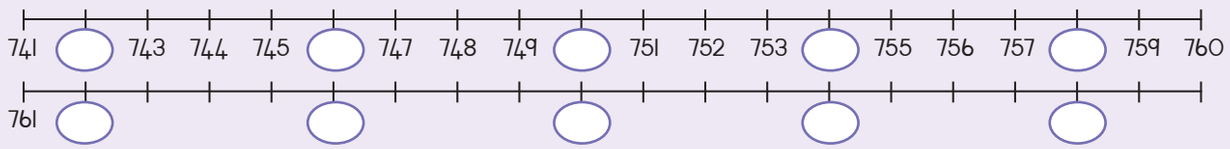
799; 795; 791; _____ ; _____ ; _____

5 Gcwalisa ngenombolo lefanele endilingeni ngayinye kulemigca-nombolo.

a.



b.



6 Nginenombolo lenhlavu-3.

Luhlavu lwekucala ngu 7, luhlavu lolulandzelako sikhombisa sinye ngetulu kwesikhombisa, bese luhlavu lwekugcina luba kutsatfu ngaphansi kwesikhombisa.



Uma ubala uya embili ngakune kusuka kulenombolo, ingahle ibe ngubani lenombolo?

_____

Teacher:
Sign:
Date:

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Lusuku: .....

Kuphindzaphindza nekwehlukanisa: bo 2, bo 3, bo 4 na bo 5 kufika ku 75



Ungakuphendvula masinyane kanganani loku lokulandzelako?

1 × 2 = _____	5 × 3 = _____	4 × 2 = _____	10 × 2 = _____
4 × 3 = _____	3 × 2 = _____	2 × 2 = _____	3 × 3 = _____
6 × 4 = _____	4 × 3 = _____	5 × 3 = _____	9 × 4 = _____
6 × 5 = _____	8 × 3 = _____	9 × 4 = _____	8 × 5 = _____
7 × 3 = _____	8 × 5 = _____	2 × 5 = _____	7 × 5 = _____



Faka umbala kumabhuloki lapho khona sibalo sikunika umsalela.

12 ÷ 2 = 4	13 ÷ 3 = 4 umsalela 1	15 ÷ 5 = _____	18 ÷ 5 = _____
20 ÷ 4 = _____	23 ÷ 4 = _____	16 ÷ 3 = _____	18 ÷ 3 = _____
25 ÷ 2 = _____	24 ÷ 2 = _____	30 ÷ 2 = _____	29 ÷ 2 = _____
19 ÷ 3 = _____	17 ÷ 3 = _____	31 ÷ 5 = _____	30 ÷ 5 = _____
55 ÷ 5 = _____	52 ÷ 5 = _____	57 ÷ 3 = _____	60 ÷ 3 = _____



Wati kanjani kutsi leyo nombolo ingehlukaniseka ngayiphi.

- 3? Uma uhlanganisa tinhlavu tenombolo (sibonelo: 72 unetinhlavu 7 + 2 = 9) futsi ungehlukanisa leyonombolo lensha nga 3 (sibonelo: 9 ungamhlukanisa nga 3).
- 2? _____
- 5? _____

1 2 3 4 5 6 7 8 9 10

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4 Yehlukanisa ucilonge imphendvulo yakho.

65 ÷ 3 = (60 + 5) ÷ 3 = (60 ÷ 3) + (5 ÷ 3) = 20 + I umsalela 2 = 2I umsalela 2	2I × 3 + 2 = (20 + I) × 3 + 2 = (20 × 3) + (I × 3) + 2 = 60 + 3 + 2 = 65
a. 49 ÷ 5	
b. 65 ÷ 5	

5 Sombulula lokulandzelako:



Udzinga kuhamba uyokwenta luhlwayo.
Wati kanjani kutsi inombolo ingehlukaniseka nga 4?

Teacher:
Sign:
Date:

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Lusuku:

.....

Timphawu tetakhiwo te 3-D



Buka letitfombe.

Coca ngesicabati setimiso usebentisa emagama lafana na: bucabati, kugwenja.

Emabhola	Emabhokisi	Imibhoshongo	Emaphiramidi	Imibhoshongo
				



Buka letitfombe bese ucedzela lemisho nemibuto.



a. Ibhola _____.



b. Yentiwa yini ibhola kungasheleli?

_____



c. Umbhoshongo _____.



d. Umbhoshongo ungashelela yini nawo?

_____

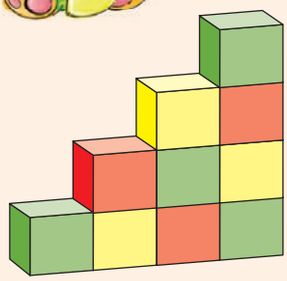
1 2 3 4 5 6 7 8 9 10

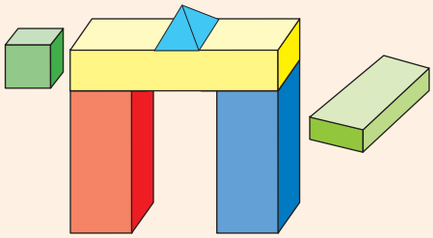
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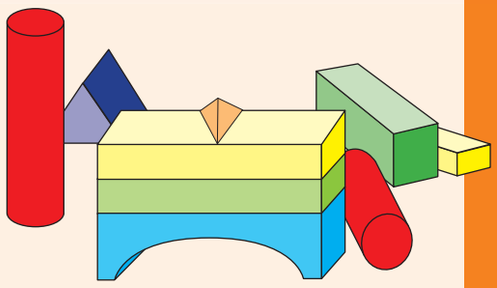


3 Shano tintfo letisetjentiswe kulesitfombe.

Utawuyisho kanye intfo ngayinye. Shano kutsi ingagicika noma ishelele.







4 Shano kutsi letakhiwo te 3-D tisicabati noma tinemiphetfo legwenjile.

5 Dvweba lokulandzelako:

Libhokisi lelisimame etu kwembhoshongo.	Ibhola lesimame etu kwembhoshongo.	Umbhoshongo losimanme etu kwelibhokisi.

Teacher:
Sign:
Date:

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Lusuku:

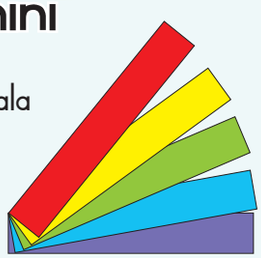
Emakhithi elucu lwemafrakishini

Kwekusetjentiswa: 5 imicu yemaphepha ngemibala leyehlukene, Sikelo, Timpeniseli/Emakhilayoni



Yakha ikhithi.

Lishadi lekusikwa 5

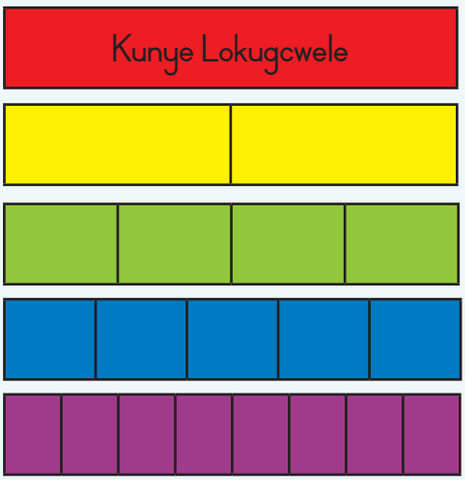


Ekhatsi Elucwini lunye bhala lamagama: "Kunye Lokugcwele"

Tsatsa lolunye lucu ulugobe emkhatsini-ngco ngekucophelela. Bese uyaluvula. Tingakhi tincenye letilinganako lose unato?

Bhala $\frac{1}{2}$ ehhafini ngayinye bese usika ngemgobo.

Tsatsa lucu lwesitsatfu ulugobe emkhatsini-ngco, phindza futsi ulugobe emkhatsini-ngco. Luvule. Tingakhi tincenye letilinganako lose unato? Bhala $\frac{1}{4}$ kuncenye-ne ngayinye, bese usika ngemigobo. Tingakhi tincenye talokusiphohlongo letenta hhafu munye?





Sebentisa leticucu letikukhithi yemafrakishini kukusita uphendvule lemibuto.



Bangakhi bohhafu labangangaKunye Lokugcwele? ☐



Tingakhi tincenye-ne letingangahhafu munye? ☐



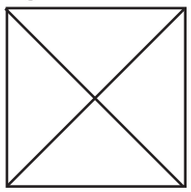
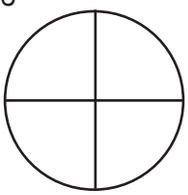
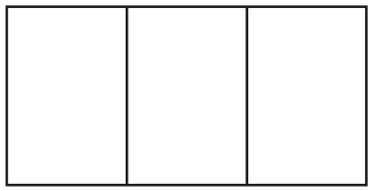
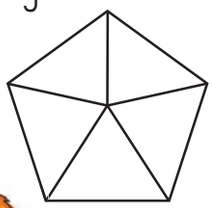
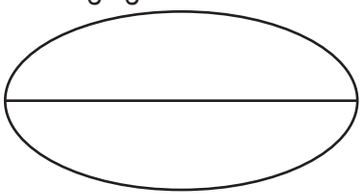
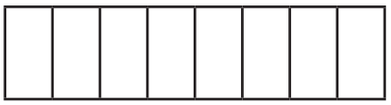
Emafrakishini kumugca-nombolo.

Lolucu lukhombisa, Kunye Lokugcwele. Kunye Lokugcwele	Lendilinga ikhombisa Kunye Lokugcwele. Kunye Lokugcwele
Yehlukanisa lucu ngaboncenye-ntsatfu. ☐ Faka umbala kuncenye-ntsatfu munye..	Yehlukanisa indiliinga ngaboncenye-ntsatfu Faka umbala kuncenye-ntsatfu munye. ◯

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4 Nyalo faka umbala kuloku lokulandzelako:

Ihhafu yinye 	Boncenye-ne labatsatfu 	Boncenye-ntsatfu lababili 
Boncenye-hlanu labane 	Ihhafu yinye 	Boncenye-siphohlongo labasihlanu 

5 Dvweba lokulandzelako:

Emakota lamatsatfu usebentisa sikwele	Ihhafu yinye usebentisa indilinga.	Boncenye-ntsatfu lababili usebentisa calantsatfu.
Boncenye-hlanu labane usebentisa indilinga.	Tincenye letine talokusiphohlongo usebentisa sikwele	Boncenye-ntsatfu lababili usebentisa calandze

6 Lungisa ikhithi yakho



- Sika kahle ngakunye kwaletindilinga letisi-6 eKhasini leKusikwa 6.
- Sika tindilinga letisihlanu tibe ticucu ulandzele imigca.
- Bhala esiceshini ngasinye:
  - Kucala ngalinye bhala ifrakishini yeli-awa leligcwele.
  - Kulela lelinye licala bhala linani lemizuzu kulelo frakishini.



Teacher:
Sign:
Date:

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92

Lusuku:

Kabanti ngemafrakishini



Bhala Yebo noma Cha.



- Ihhafu nguhhafu waKunye Lokugcwele _____
- Ihhafu yehhafu yikota. _____
- Ikota nguhhafu wehhafu _____
- Ihhafu nemakota lamabili kwenta kunye lokugcwele _____
- Ihhafu nekota kwenta emakota lamatsatfu _____



Yaba iphayi.

Sipho, Gugu, Andile naLisa babelana iphayi yinye.



a.



Ngafa yindlala! Ngifuna ihhafu

Sipho



Dvweba sabelo saSipho.

b.



Kulungile! Ngitawutsatsa ikota.

Gugu



Dvweba tabelo taboSipho naGugu.

c.



Ngitawutsatsa ihhafu yalokusele.

Andile



Dvweba sabelo saSipho, Gugu na-Andile.

d.



Inganani iphayi lesalele mine?

Lisa



Dvweba tonkhe tabelo tabo talephayi.

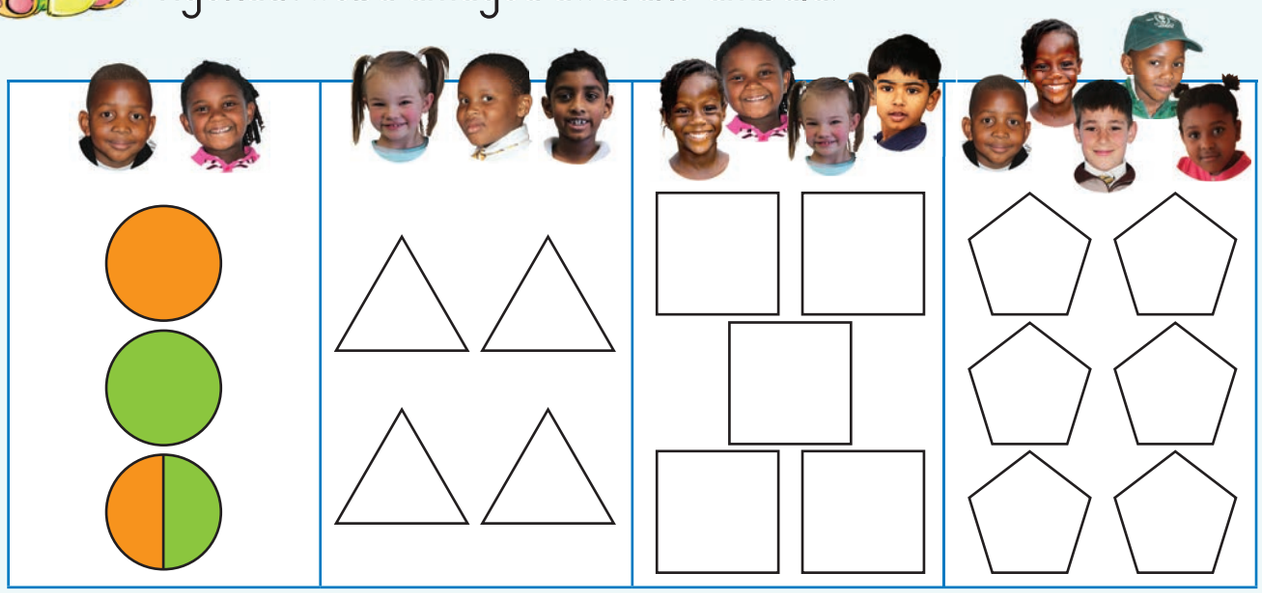
1 2 3 4 5 6 7 8 9 10

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3

Yaba bobunjwa wabele bantfwana ngekudvweba umugca uwufake umbala.



4

Bangani labane babelana 5 wemaswidi ngekulingana.

Umuntfu ngamunye utawutfola mangakhi?

Utsini umbuto?

_____

Titsini tinombolo?

_____

Dvweba sitfombe.

Bangani labasitfupha babelana 9 wemaswidi ngekulingana.

Umuntfu ngamunye utawutfola mangakhi?

Utsini umbuto?

_____

Titsini tinombolo?

_____

Dvweba sitfombe.

Teacher:

Sign:

Date:

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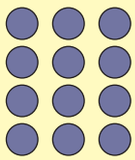


93

Lusuku:

Kwaba kuholela kumafrakishini

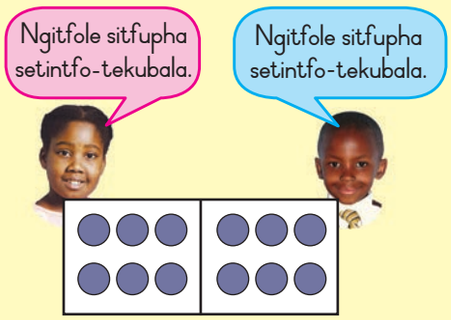
Nati tintfo-tekubala letili-12



Sibangani lababili. Sinekwekuphatsa kunye kwehlukaniswe ngco kuhhafu.



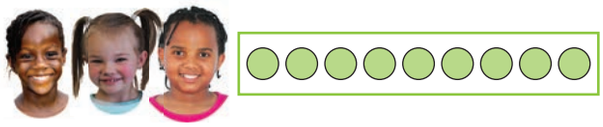
Sabelana tintfo-tekubala Lishumi-nambili emkhatsini wetfu sobabili.





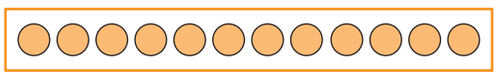
Yenta umdvwebo walokulandzelako uphendvule umbuto.

Imfica yemabhola yehlukaniswe emkhatsini webangani labatsatfu.



- Mangakhi emabhola latawutfolwa yintfombatana ngayinye? ☐
- Itsini ifrakishini letawutfolwa yintfombatana ngayinye? ☐

Lishumi-nambili lemabhola lehlukaniswe emkhatsini webangani labane. Batsatfu kulabangani bafana.

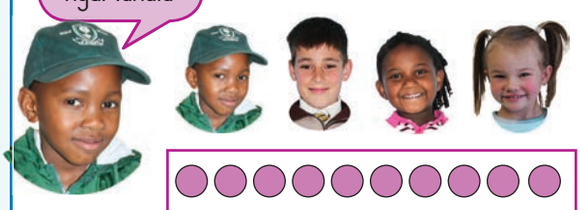


- Mangakhi emabhola latawutfolwa yintfombatana ngayinye? ☐
- Itsini ifrakishini letawutfolwa ngumfana ngamunye? ☐



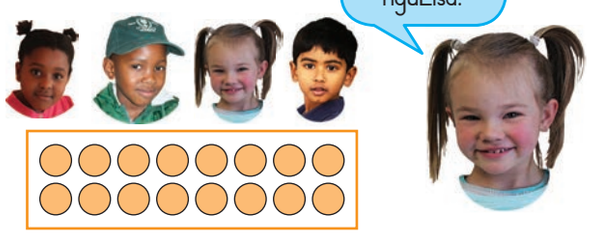
Itsini ifrakishini letawutfolwa nguMandla? Itsini ifrakishini letawutfolwa nguLisa?

Ligama lami nguMandla



- Mangakhi emabhola latawutfolwa boMandla naLisa?

Ligama lami nguLisa.



- Mangakhi emabhola latawutfolwa boMandla naLisa?

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3 Kwaba emaswidi.

Bangani labatsite baba emaswidi. Amunye utfola $\frac{1}{2}$ (ihhafu) yeliphakethe.

a. Mangakhi emaphakethe labawadzingako kwaba emkhatsini wa:

4 webangani? _____ 6 webangani? _____ 9 webangani? _____



b. Bangakhi bangani labangabelana:

4 emaphakethe? _____ 10 emaphakethe? _____ $3\frac{1}{2}$ emaphakethe? _____

4 Tiketi tekudansa.

Bomake nabogogo benta tiketi tekudansa.

Kwenta 1 siketi badzinga $2\frac{1}{2}$ wemamitha (m) endvwangu.

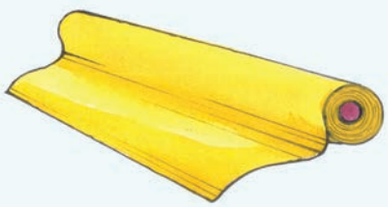
Indvwangu ibita R6 imitha.



a. Tingakhi tiketi labangatenta ngendvwangu lengu?

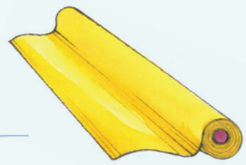
5 m _____ 10 m _____

20 m _____ 25 m _____



b. Inganani indvwangu labayidzingako kwenta

2 wetiketi _____ 3 wetiketi _____ 4 wetiketi _____



c. Ibita malini indvwangu kwenta

1 siketi _____ 2 wetiketi _____ 3 wetiketi _____

d. Tingakhi tiketi labangatenta nga

R450 _____ R825 _____ R180 _____ ?

Teacher:
Sign:
Date:

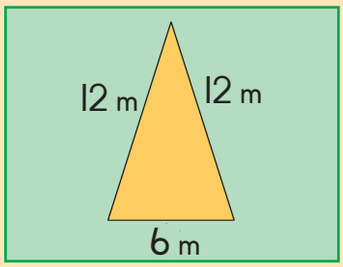
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94 Libanga kugegeleta

Lusuku: .....

Leligama "umgegeleto" lisho budze noma libanga lekugegeleta intfo letsite.



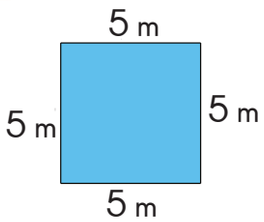
Umlimi unensimi lemacala ntsatfu.

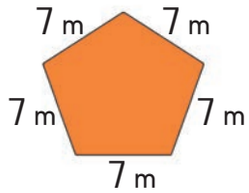
Singawutfola umgegeleto walesivandzi ngekuhlanganisa bonkhe budze bemacala lehlukene.

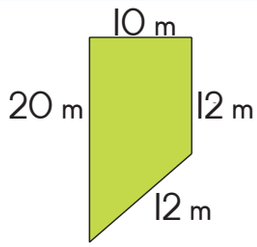
Umgegeleto = 12 m + 12 m + 6 m = 30 m



Tfola lena migegeleto.

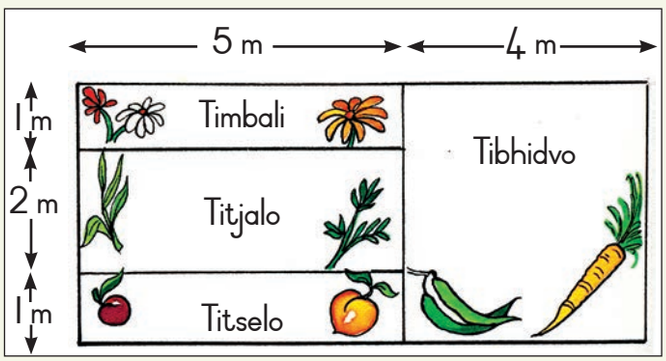








Ingadze yaVeronica.



Veronica udvweba umfanekiso wengadze lafuna kuyilima.

a. Uyini umgegeleto walendzawo lapho alima khona titjalo takhe? _____

b. Ngutiphi tigaba letimbili letinemgegeleto lofanako? Utsini umgegeleto wato?

_____ na _____ tinemgegeleto wa _____ m.

c. Udzinga fenisi kugegeleta ingadze yonkhe. Kubiyela ngafenisi kubita R50 imitha iyinye. Utawubita malini fenisi sekawonkhe? _____

1 2 3 4 5 6 7 8 9 10

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Lungisela yakakho ingadze.

Sebentisa liphepha legridi eKhasini leKusikwa 7 kulungisela yakakho ingadze. Khombisa tonkhe tinombolo tekukala netimbewu longatsandza kutitjala.

Kumeda tindilinga.

Sebenta nemlingani.

Kwekusetjentiswa: 10 wetintfo letisandilinga temasayizi lehlukene njengelipulede, ingilazi, sigwabugwabu sethephu, sivimbo selibhodlela, lucu nesikelo.



1. Khetsa yinye yaletintfo letisandilinga utoyikala ngelucu.
2. Sika siguntu selucu silingane ncwe ngebudze lobufinyelela kumgegeleto waleyontfo.
3. Nyalo tsatsa intsambo uyelule isuke kulunye luhlangotsi lwendilinga luye kulolunye uyihambisa emkhatsini. Bala kutsi yenela kangakhi .
4. Yenta sona leso ngetintfo letisandilinga.
5. Bhala lokucaphelako.

Libanga lekugegeleta indilinga libitwa ngekutsi ngumgegeleto.	
Libanga lelibhukule indilinga libitwa ngekutsi sibhukula-mkhatsi.	



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95a

Lusuku:

Kuhweba ngemali

Ithemu 3

Dlala lemidlalo nemlingani.

Kwekusetjentiswa:





boRIOO	boRIO	boRI	IOc	Ic

Libhodi leMali (Kwekusikwa 8), Liphepha nepeniseli, mabili emadayizi, imali yekudlala (eKhasini leKusikwa 9): RIOO na RIO wemaphepha; RI, IOc na Ic buhhehlu.

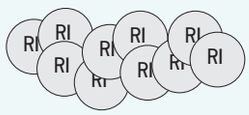
Beka Libhodi leMali etafuleni.

Libhodi lina 5 wetigaba kanje, kusuka ngesancele kuye ngesekudla, RIOO, RIO, RI, IO emasenti na I senti. Kulona umdlalo sisebentisa tinhlu letintsatfu tekucala.



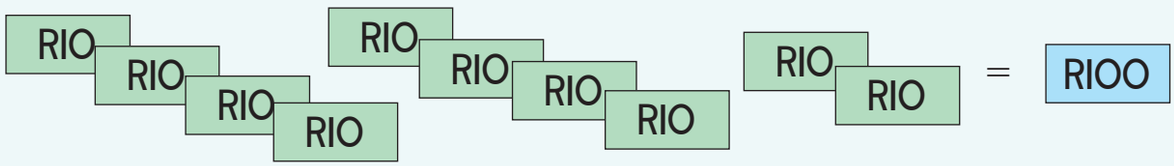
Hlanganisa kufike ku IOO wemaRandi.

1. Umdlali ngamunye udlala ligema lakhe kujika lidayizi. Hlanganisa tinombolo letimbili ndzawonye.
2. Tsatsa leya nombolo ya RI lobuhhehlu uyibeke kulelicala la RI lelibhodi lakho.
3. Nase nje unelishumi labo RI bebuhhehlu kufute umhwebise nga RIO weliphepha.



= RIO

4. Umuntfu wekucala kucokelela lishumi labo RIO bemaphepha abahwebise nga RIOO weliphepha ngumphetsa.



5. Sijeziso: Uma umdlali acedza ligema lekuhwebisa kodvwa akhohlwa kuhwebisa lishumi RI buhhehlu ngamunye RIO weliphepha, bese lona lomunye umdlali uyalibamba leliphutsa, sijeziso ngu RI. Uma umdlali akhohlwa kuhwebisa lishumi labo RIO wemaphepha ngamunye li RIOO leliphepha, kufute abhadale RIO kulona lomunye umdlali.



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Susa kusuka ku RIOO kufike ku RO.

Dlala wona lowo mdlalo, kodvwa nyalo cala ngelishumi labo RIO wemaphepha, bese ususa sibalo setinombolo edayizini. Umdlali lofika ku RO kucala ngumphetsa.

boRIOO	boRIO	boRI	IOc	Ic



Kuhlanganisa neKususa ku RI OOO.

Hlanganisa sibalo selidayizi ligema ngalinye, bese utsatsa leya nombolo ya RIO wemaphepha. Wekucala kufika ku RI OOO ngumphetsa. Noma, cala nga RI OOO, bese uyesusa ligema ngalinye. Umdlali wekucala kufika ku RO ngumphetsa.



Kuhlanganisa kufika ku RI.

Dlala umdlalo lofana newekucala, kodvwa-ke nyalo uma ujika lidayizi bese utfola sibalo, tsatsa lesibalo selidayizi ku I senti webuhhehlu. Uma unelishumi labo Ic bebuhhehlu, bantjintje babe nguIOc buhhehlu. Wekucala kukhona kuntjintja lishumi la IOc buhhehlu kube ngu RI buhhehlu ngumphetsa.



Susa emasenti.

Cala nga RI, bese ususa ligema ngalinye. Wekucala kufika ku O wemasenti ngumphetsa.



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95b

Lusuku:

Asiyowutsenga!



Indali yetigcoko.

Lesitolo sitsengisa tigcoko ngetintsengo letehlukene ka 5.





							Samba
Sigcoko a 	R20	R20	R20	R20	R20	R20	RI20
Sigcoko b 	R25	R25	R25	R25	R25	R25	
Sigcoko c 	R50	R50	R50	R50	R50	R50	
Sigcoko d 	R75	R75	R75	R75	R75	R75	
Sigcoko e 	RIOO	RIOO	RIOO	RIOO	RIOO	RIOO	

a. Tfola kutsi tibita malini tigcoko luhele ngalunye.

b. LaZondo utsenga I luhlobo ngalunye lwesigcoko.

Ubhadala malini sekukonkhe? _____

Hlolisisa! Catsanisa! Lungisa!

c. Mbhuti usebentisa R450 sekukonkhe. Utsenga I sigcoko nga RIOO.

Ngutiphi letinye tigcoko latitsengako? Khombisa 2 waletinye timphendvulo longatitfola.

Imphendvulo I	Imphendvulo 2

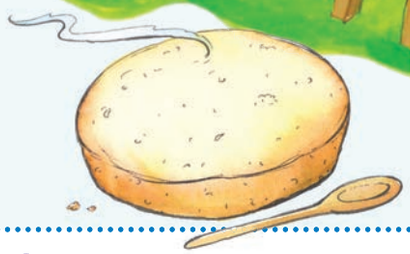
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Ebhekari.

Musa usebentisa leresiphi kwenta likhekhe mafotjo.



Iresiphi yeLikhekhe-mafotjo

Kwelikhekhe: 40 g fulawa lotikhukhumukelako; 3 emacandza; 50 g shukela weku-ayisa

Kwekufaka emkhatsini: 140 ml ikhirmu

a. Bala kahle kutsi Musa udzinga malini kubhaka afike ku 6 wemakhekhe.

Likhekhe	Fulawa weLikhekhe	Emacandza	Shukela	Ikhirimu
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

b. Faka luphawu (✓) emphendvulweni lengiyo.

I ilitha yekhirimu ingafakwa ku: 10 wemakhekhe; 7 wemakhekhe; 8 wemakhekhe





Tibalo letisheshako.

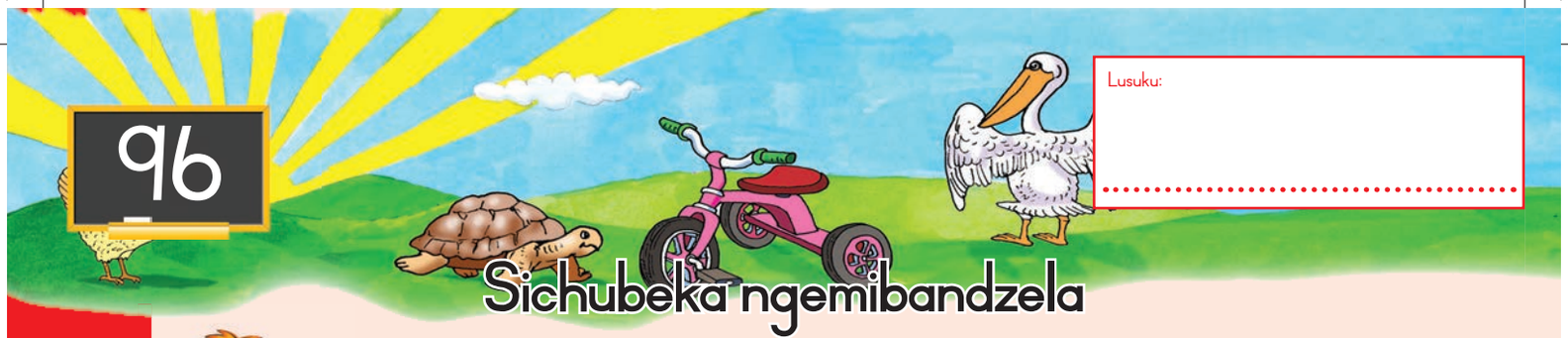
10 × 7 =	10 × 70 =	5 × 7 =	5 × 70 =	70 × 2 =
12 × 4 =	12 × 8 =	6 × 16 =	5 × 9 =	50 × 9 =
15 × 3 =	15 × 6 =	10 × 4 =	8 × 4 =	18 × 4 =

Hlolisisa!
Catsanisa! Lungisa!



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96

Lusuku:

Sichubeka ngemibandzela



Emaphoyiseni.

Sihlanu semaphoyisa senta imisebenti leyehlukene. Akuphi nyalo?

	Ehhovisi	Emgwacweni	Enkantolo
Serufe			×
Maria	×		
Sam	×		
Amos		×	
Dudu			×

Bhala emagama alabakuletindzawo: Ehhovisi? _____

Emgwacweni? _____

Enkantolo? _____



Lusuku Lwesihlahla.



Sihlanu setikolo sicudzelana kubona kutsi ngusiphi lesingatjala tihlahla letinyenti ngeLusuku Lwesihlahla i-Arbor.  = 10 tihlahla

Klipspruit	
Mthonjeni	
Mpuluzi	
Thuthong	
Mosiba	

Tingakhi tihlahla sikolo ngasinye lesititjalako?

Klipspruit	Mthonjeni	Mpuluzi	Thuthong	Mosiba

Tingakhi tihlahla letatjalwa sikolo setitonkhe? _____

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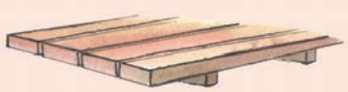


Luhlobo luni lweluphahla?

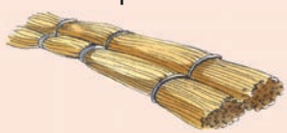
Bafundzi beLikilasi leLibanga 3 benta luhlwayo esigodzini sangakubo.

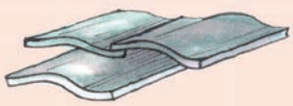
Bafuna kwati kabanti ngetinhlobo teluphahla etindlini letehlukene.

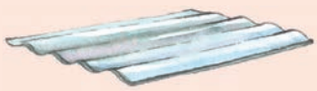
Bakhombisa imiphumela yabo kulegrafu yelibhuloki.



Bafaka luphawu (✓) ka-I uma babona indlu ngayinye.







Emathayili	✓	✓	✓	✓	✓	✓					
Tjani	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lipulango	✓	✓	✓	✓	✓	✓	✓	✓			
Ngcwengcwe	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Kungakhi kwenhlobo ngayinye yeluphahla labakubonako?

Emathayili _____ Tjani _____ Lipulango _____ Ngcwengcwe _____

Nguyiphi inhlobo yeluphahla ledvume kakhulu? _____

Tingakhi timphahla labatibalako setitonkhe? _____

Emasayizi etigcoko.

Bafana basesikolweni iJama bagcoka emakepisi.



Lamakepisi abosayizi 2, 3 na 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	

Hlolisisa! Catsanisa! Lungisa!

Bala kutsi bangakhi bafundzi labagcoka isayizi ngayinye yelikepisi.

2 _____ 3 _____ 4 _____

Nguyiphi isayizi levame kakhulu? _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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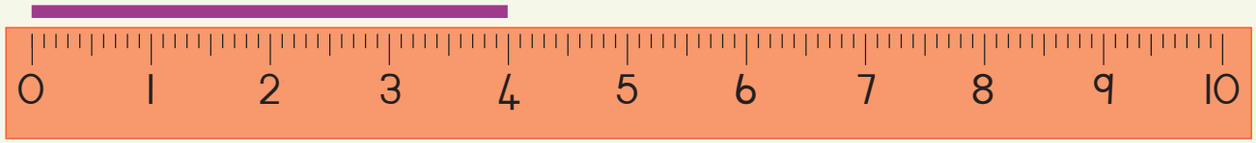
97

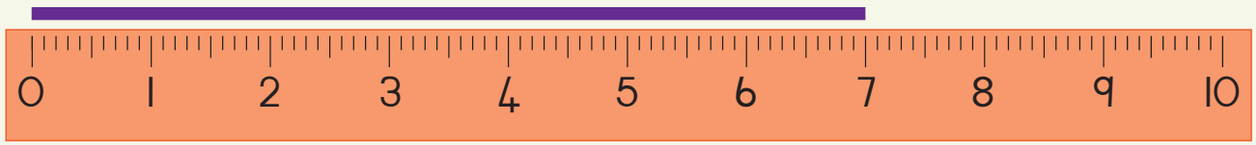
Lusuku:

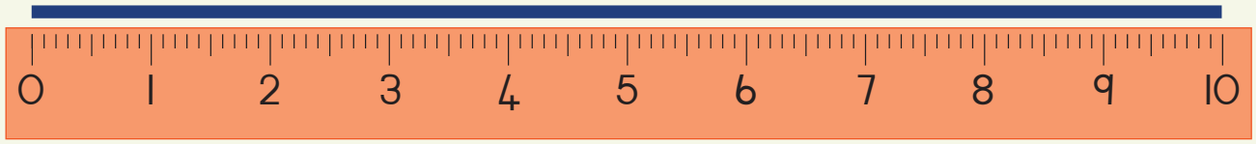
Kusebenta ngemasentimitha



Mudze kanganani lomugca lonembala?









Cala wente silinganiso bese ukala imigca.
Cedzela lithebula.

Umugca	Silinganiso	Sikalo	Umehluko emkhatsini wekulinganisa nekukala

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3 Sebentisa irula kudvweba limigca lelandzelako.

a. 10 cm

b. 7 cm

c. 15 cm

4 Shano kutsi utawukala loku lokulandzelako ngemamitha noma emasentimitha.

a. Budze bencwadzi _____

b. Budze besivalo _____

c. Budze bepeniseli _____

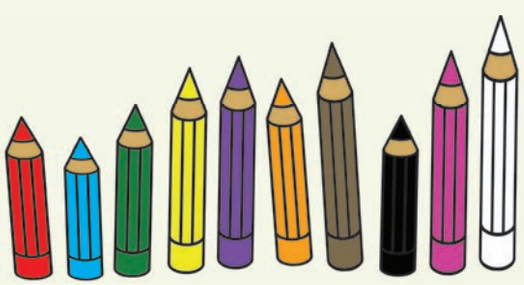
d. Budze bakho _____

e. Budze bemuno wakho _____

Khumbula sifinyeto semagama isentimitha (cm) nemitha (m).

5 Kulomnyaka usebentisa emapeniseli akho emibala. Budze bemapeniseli bebungu 15 cm ungakawasebentisi

Emuva kwekube sewuyisebentisile ipeniseli lebovu seyingu 7 cm, lelingangane ingu 5 cm, leluhlata ingu 6 cm, lemtfubi ingu 11 cm, lesamsobo ingu 12 cm, kantsi leliphuti ingu 9 cm, lensundvu ingu 14 cm, lemnyama ingu 8 cm, lephinki ingu 13 cm kantsi lemhlophe ingu 15 cm.



a. Nguyiphi ipeniseli loyisebentise kakhulu kunato tonkhe? _____

b. Nguyiphi ipeniseli loyisebentise kancane kunato tonkhe? _____

c. Bhala budze betipeniseli takho usuke kulemfisha kakhulu uye kulendze kakhulu _____



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98

Lusuku:

Tinombolo 700 kuye ku 800



Bala ubhale.

a. Sebentisa lelishathi lelilandzelako kukusita ubale kusuka ku 700 kuye ku 800. Shano letinombolo usabala.



700

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

b. Bhala tinombolo letishiyiwe kulegridi ngetulu.

c. Bhala leli-10 letinombolo letita emva kwa 750.

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

d. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 2.

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

e. Bhala tonkhe letinombolo ngephethini yabo 2 kusuka ku 751 kuye ku 773.

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

f. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 5.

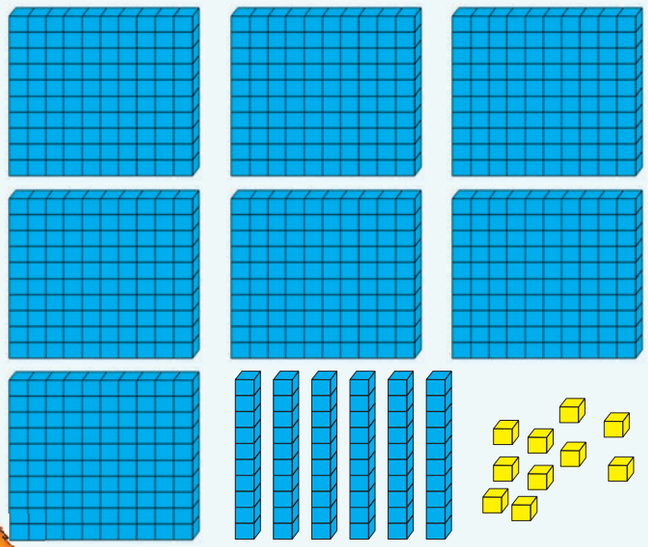
751; 756; 761; _____; _____; _____; _____; _____; _____; _____

1 2 3 4 5 6 7 8 9 10

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2 Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?

3 Cedzela imigca-nombolo.

750			753				757		759	
							789	788	787	
					753	756	759			

4 Cedzela lithebula.

	Bhala kusuka kulokuncane kakhulu kuye kulokukhulukati.	Bhala kusuka kulokukhulukati kuye kulokuncane kakhulu.
776, 772, 779, 770, 778		
736, 703, 730, 713, 703		

5 Bhala lokulandzelako ngemagama.

788	

Teacher:
Sign:
Date:

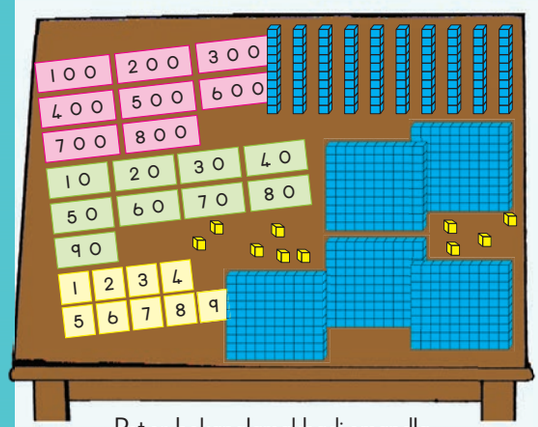
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99

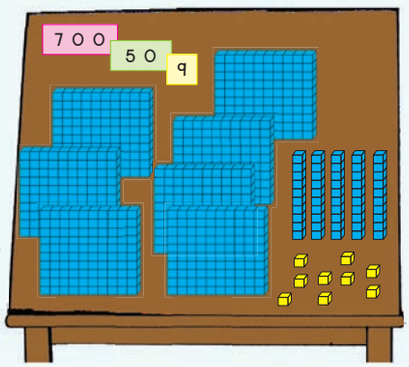
Lusuku:

Kabanti ngetinombolo kusuka ku 700 kuya ku 800

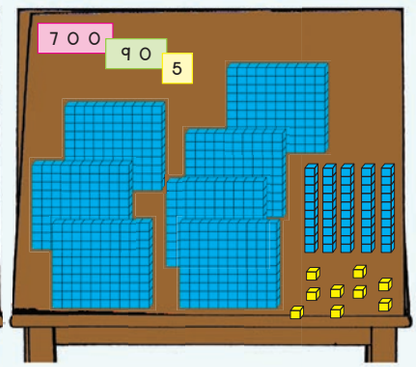


Peter bekanalamakhadi emandla-sikhundla lalandzelako kanye nemabhuloki lalishumi

Thishela wacela Peter kutsi akhombise 759 ngemakhadi akhe nangemabhuloki.

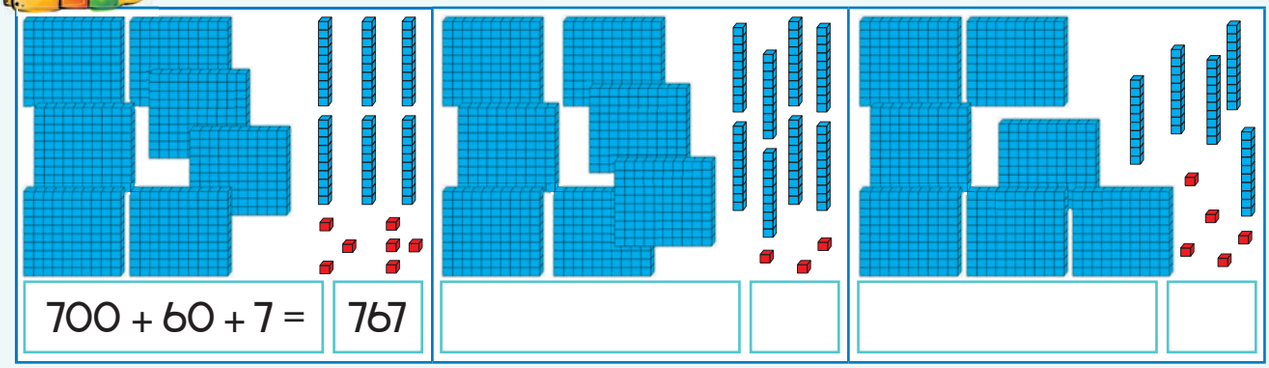


Naku lokukhonjiswe nguPhilani. Yini layonile?





Bhala umusho-nombolo bese ubhala imphendvulo.



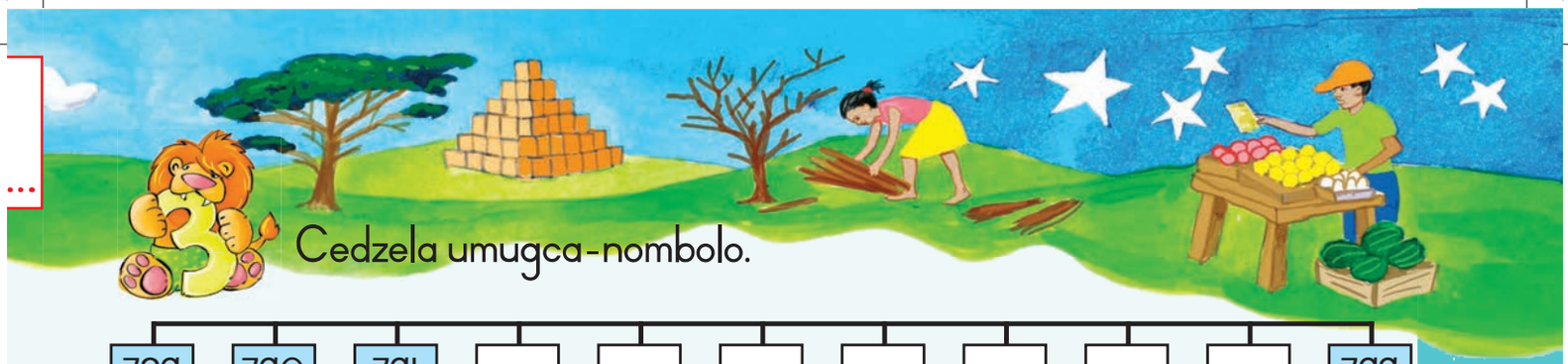
700 + 60 + 7 =	767		



Bhala umusho-nombolo bese ubhala imphendvulo.

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

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3 Cedzela umugca-nombolo.

789	790	791								799

Nginikete tonkhe tinombolo letincane kuna 795. _____

Nginikete tonkhe tinombolo letinkhulu kuna 795 _____

4 Gcwalisa <, > noma.

a. 799 _____ 766 b. 745 _____ 750

c. 700 + 90 + 7 _____ 767

5 Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

b. Bhala emandla enhlavu-nombolo ngayinye. Nyalo yenta loku: Vutfuta inombolo yakho.

790	
689	
699	
755	
690	

Sibonelo: 799

7 0 0

9 0

9

7 9 9

799 700 + 90 + 9

6 Bhala tinombolo-magama.

668	
757	
799	
742	
691	

Teacher:
Sign:
Date:

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100

Lusuku:

Tinombolo 800 kuye ku 900



Bala ubhale.

a. Sebentisa lelishathi lelilandzelako kukusita ubale kusuka ku 800 kuye ku 900. Shano letinombolo usabala.



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

b. Bhala tinombolo letishiyekile kulegridi ngetulu.

c. Bhala li-10 letinombolo letita emva kwa 800.

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

d. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 2.

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

e. Bhala tonkhe tinombolo ngephethini yabo 2 kusuka ku 807 kuye ku 829

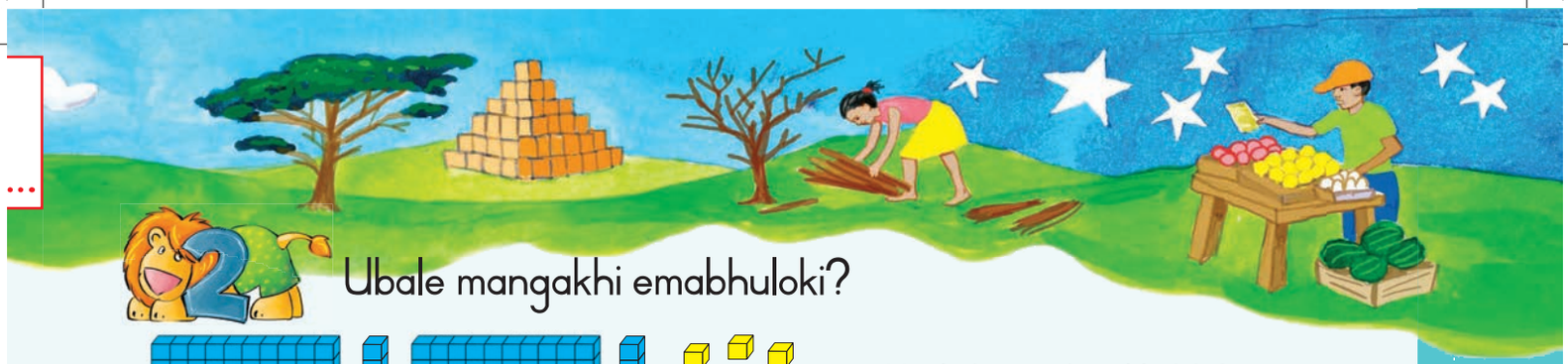
807; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____; 829

f. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 5.

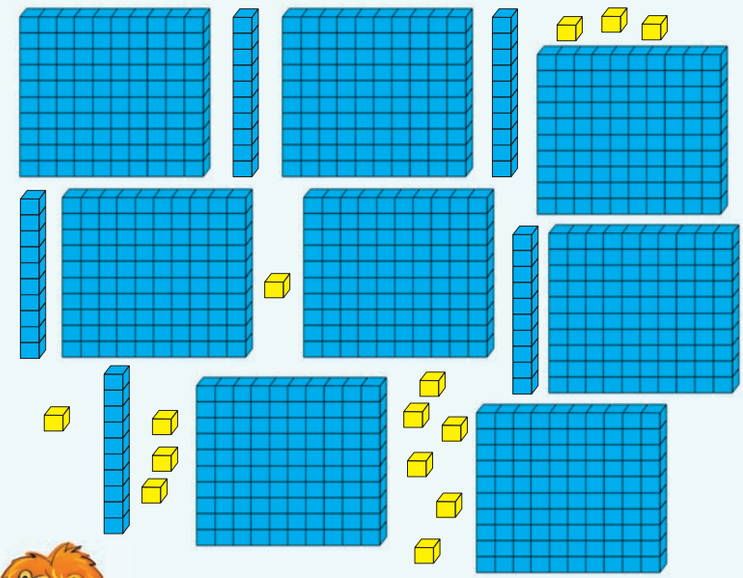
834; 839; 844; _____; _____; _____; _____; _____; _____; _____

1 2 3 4 5 6 7 8 9 10

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2 Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?

3 Cedzela imigca-nombolo.

830			833				837	838		
							876	881	886	
					843	846	849			

4 Cedzela lithebula.

	Bhala kusuka kulencane kakhulu kuye kulenkhulukati.	Bhala kusuka kulenkhulukati kuye kulencane kakhulu.
856, 853, 855, 851, 857		
898, 801, 810, 819, 891		

5 Bhala lokulandzelako ngemagama.

845	

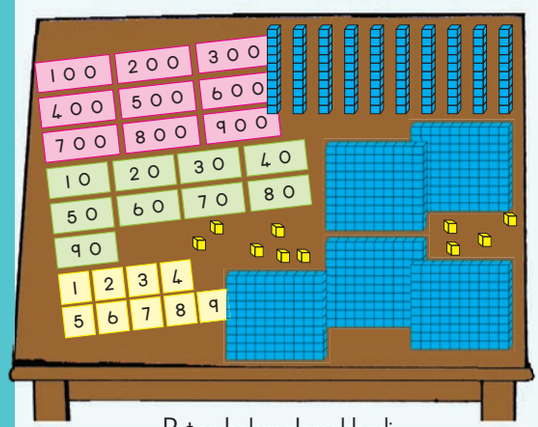
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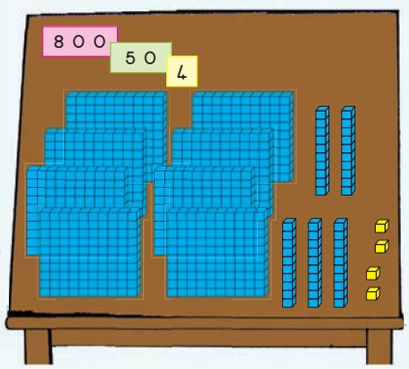
101 Kabanti ngetinombolo kusuka ku 800 kuya ku 900

Lusuku: .....

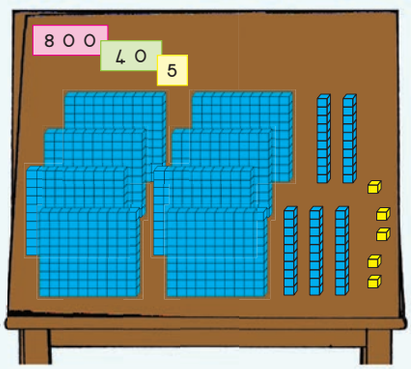


Peter bekanalamakhadi emandla-sikhundla lalandzelako nemabhuloki lalishumi.

Thishela wacela Peter kutsi akhombise 854 ngemakhadi akhe nangemabhuloki

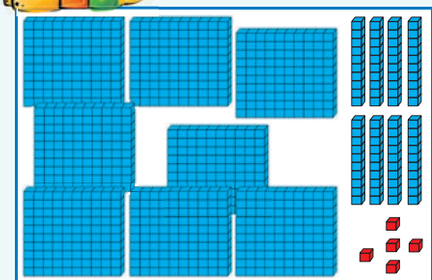


Naku lokukhonjiswe nguPhilani. Yini layonile?





Bhala umusho-nombolo bese ubhala imphendvulo.



800 + 80 + 5 =	885



Bhala umusho-nombolo bese ubhala imphendvulo.

800 50 2	800 90 7	800 3
800 + 50 + 2		
=		

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3 Cedzela umugca-nombolo.

889	890	891									900

Nginikete tonkhe tinombolo letincane kuna 894. _____

Nginikete tonkhe tinombolo letinkhulu kuna 894. _____

4 Gcwalisa <, > noma =

a. 899 _____ 898 b. 802 _____ 820

c. 900 + 70 + 5 _____ 785

5 Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

b. Bhala emandla enhlavu-nombolo ngayinye. Nyalo yenta loku: Vutfuta inombolo yakho.

890	
889	
802	
855	
840	

Sibonelo: 876

8 0 0

7 0

6

8 7 6

876 800 + 70 + 6

6 Bhala tinombolo-magama.

889	
825	
803	
830	
899	

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

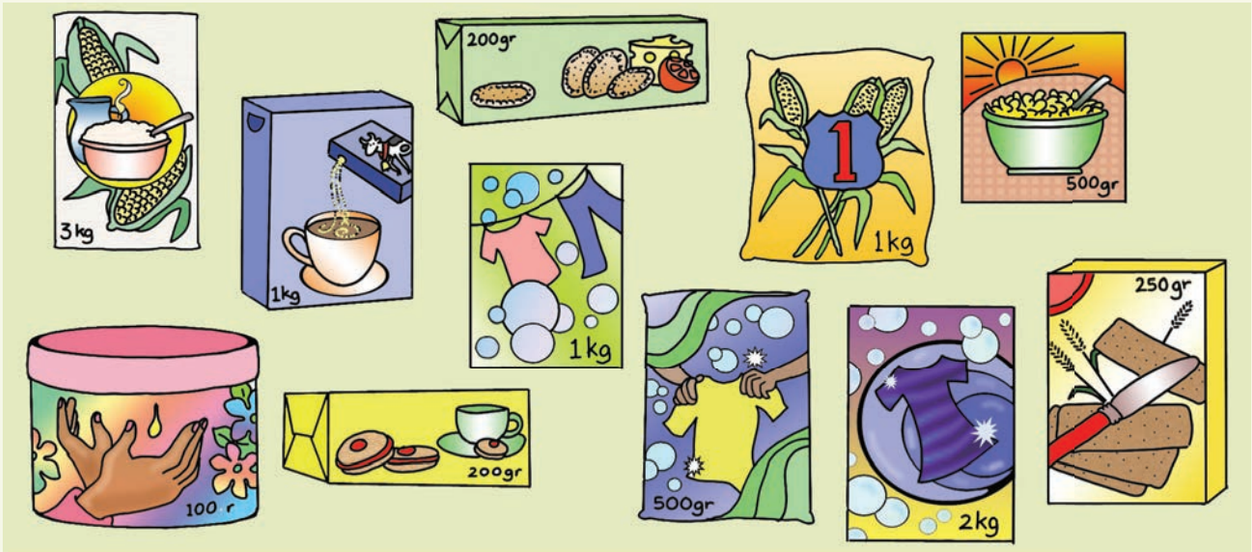
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102a

Lusuku:

Kukala tintfo

Bukisisa titfombe letilandzelako uphendvule imibuto.



a. Ngabe 1 kg wensipho-mphuphu yekuwasha, umelula noma uyesindza kuna 2 kg wensipho-mphuphu yekuwasha?

b. Yini lemelula: Emakhonifflesi langu 500 g noma emabhisikidi langu 200 g?

c. Yini leyesindzako: 100 g wekhirimu yebuso noma 1 kg welipaka lesitambu?

Senta sisindvo sini sesisonkhe ndzawonye?

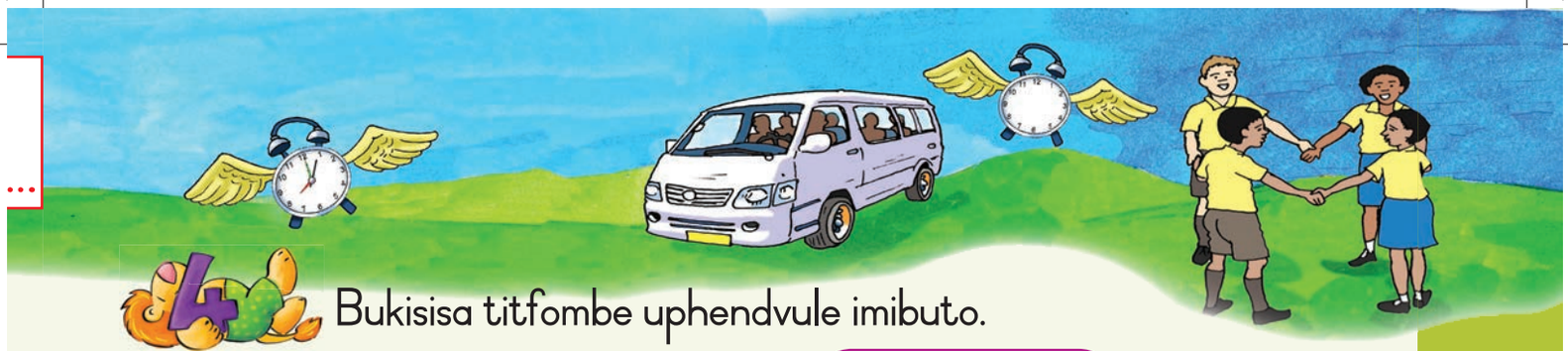
Sisindvo sami ngu 25 kg, semngani wami 29 kg bese semnaketfu kuba ngu 45 kg.

Sitsini sisindvo semikhicito seyindzawonye?

Semkhicito wekucala ngu 1 kg 500 g, semkhicito wesibili ngu 3 kg 500 g bese semkhicito wekugcina kuba ngu 2 kg 500 g.

1 2 3 4 5 6 7 8 9 10

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4 Bukisisa titfombe uphendvule imibuto.



Ngingambhala kanjani 3,5 kg ngemakhilogremu nangemagremu?

5 Cedzela lithebula.

Thishela utaninika tintfo letisihlanu nitibukisise. Yentani silinganiso sesisindvo sato bese nitikala kahle.

Intfo	Silinganiso	Sikalo	Umehluko emkhatsini wesilinganiso nesikalo

6 Sitsini sisindvo semikhicito seyiyonkhe?

Umkhicito wekucala unesisindvo sa 2 kg 500 g, semkhicito wesibili ngu 1 kg 500 g bese semkhicito wekugcina kuba ngu 3 kg 500 g.

Teacher:
Sign:
Date:

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102b

Lusuku:

Asichubeke ngesisindvo

Kwesindza sikalo sekutsi lunganani lutfo lolukhona entfweni letsite. Nakukunyenti, kanjalo kuba lukhuni kukusundvuta.

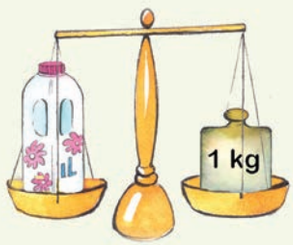
Sisindvo sikalo semandla-mfutfo lodvonsa lolo lutfo. Emandla-mfutfo mancane enyangeni ngako-ke tintfo tinesisindvo lesilula lapho.

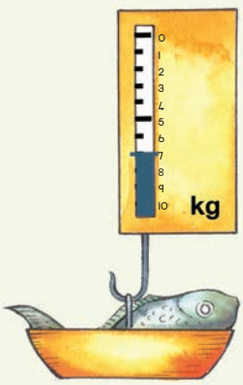
Emhlabeni emisebentini yamalanga onkhe sisebentisa tikalo letifanako kukala kwesindza nesisindvo. Sikala kwesindza ngemakhilogremu nangemagremu.

Tikali letehlukene

Sisebentisa tinhlobo letehlukene tetikali kukala kwesindza nesisindvo. Sikala kwesindza ngesikali-masimama bese sisindvo sisikala ngesikali-magcuma.

Ilitha yemanti inekwesindza kwa 1 kg.



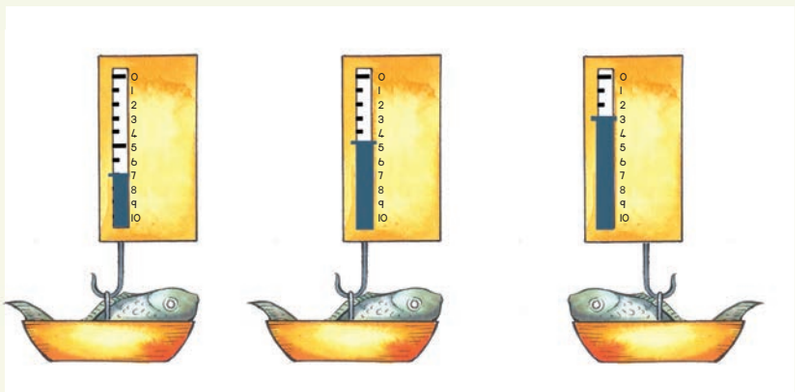


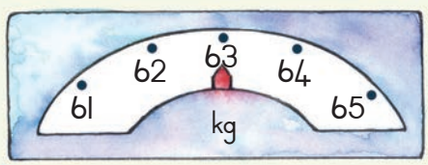
Lenhlanti inesisindvo sa 3 kg.

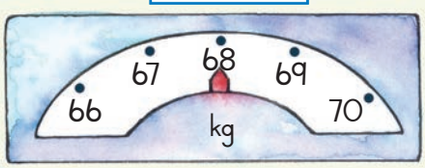


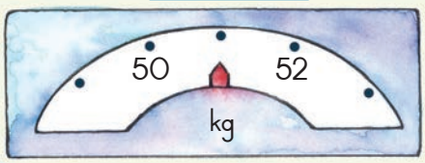
Tfola sisindvo saloku.

Bhala sisindvo ngema kg lakhonjiswa kuleso naleso sikali-magcuma.

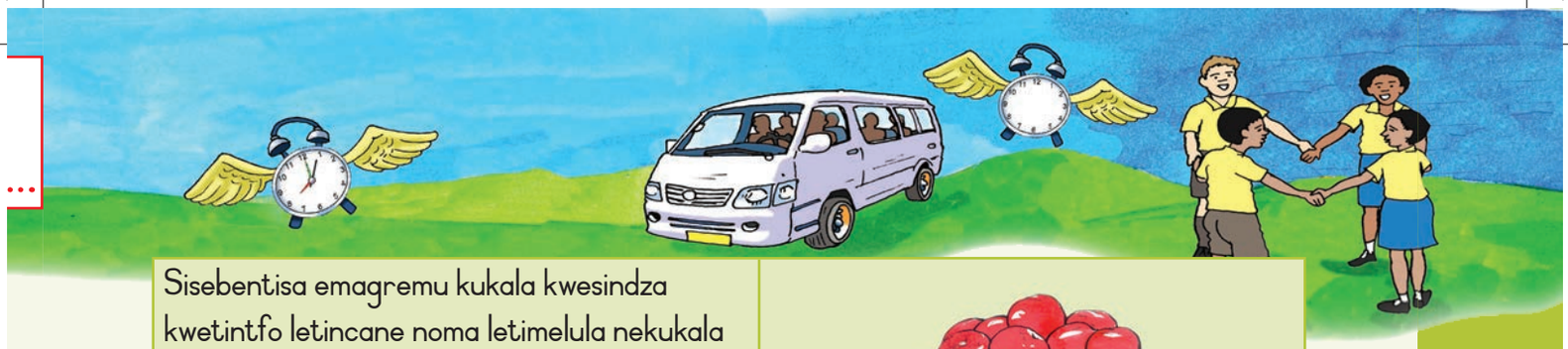








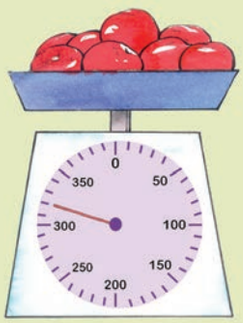
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Sisebentisa emagremu kukala kwesindza kwetintfo letincane noma letimelula nekukala emafrakishini elikhilogremu.

1 000 g = 1 kg

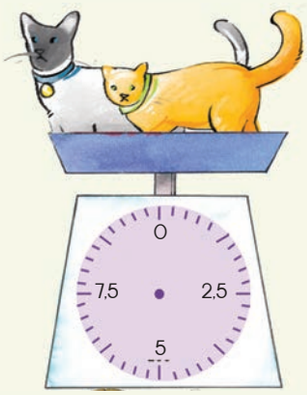
Kulesikali-magcuma, umugca lomncane ngamunye ungu 10 wemagremu esisindvo. Lamatamatisi angu 320 wemagremu.



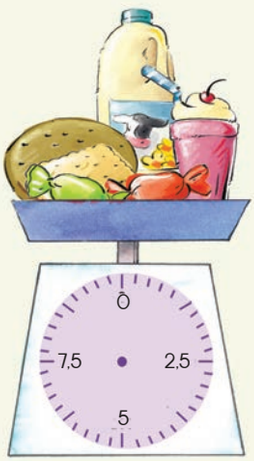


Kwesindza kanganani?

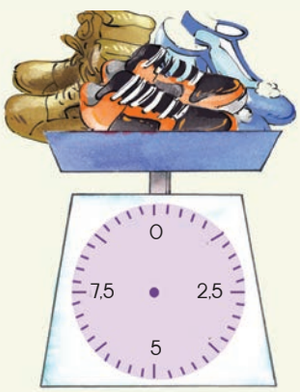
Dvweba lapho butjoki kufute buye khona sonkhe sikhatsi esikalini.



7 kg



4 kg



6 kg



Yenta likhilogremu

Hlanganisa uchubeke kwenta 1 kg (1 000 g.)

a. 125 g + 250 g + 125 g + _____ g = 1 000 g (1 kg)

b. 50 g + 30 g + 240 g + 60 g + 100 g + _____ = 1 kg

c. 57 g + 46 g + 243 g + 334 g = _____ = 1 000g (1 kg)

d. 50 g + 90 g + 160 g + _____ = 1 000 g (1 kg)

Teacher:
Sign:
Date:

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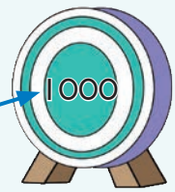
Lusuku: .....

Tinombolo 900 kuya ku 1 000



Bala ubhale.

a. Sebentisa lelishathi lelilandzelako kukusita ubale kusuka ku 900 kuye ku 1 000. Shano letinombolo usabala.



901		903							910
								919	
		943					948		
981									
991								999	

b. Bhala tinombolo letishiyekile kulegridi ngetulu.

c. Bhala letili-10 tinombolo letita emva kwa 900.

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

d. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 2.

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

e. Bhala tonkhe tinombolo ngephethini yabo 2 kusuka ku 945 kuye ku 967.

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

f. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo 5.

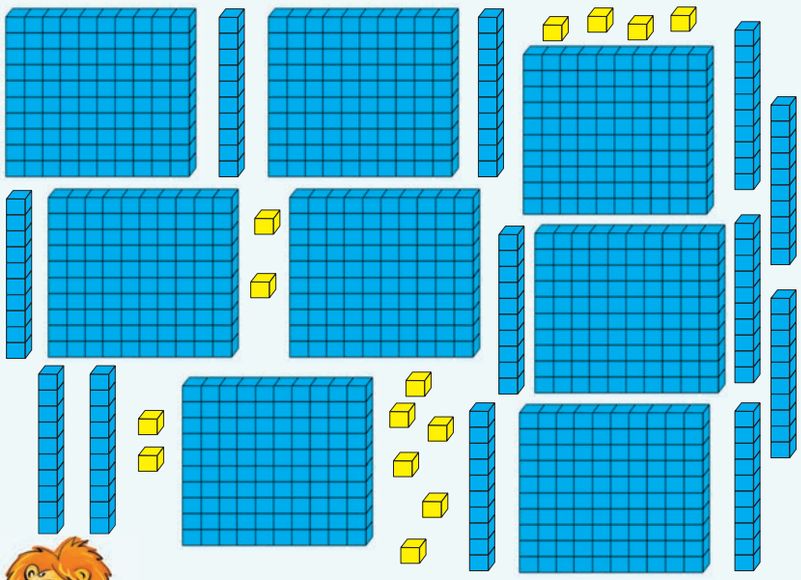
936; 941; 946; _____; _____; _____; _____; _____; _____; _____

1 2 3 4 5 6 7 8 9 10

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2 Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?

3 Cedzela imigca-nombolo.

950			953				957	958		
							956	961	966	
					903	906	909			

4 Cedzela lithebula.

	Bhala kusuka kulokuncane kakhulu kuya kulokukhulukati.	Bhala kusuka kulokukhulukati kuye kulokuncane kakhulu.
936, 933, 935, 931, 937		
978, 907, 970, 917, 971		

5 Bhala lokulandzelako ngemagama.

695	

Teacher:
Sign:
Date:

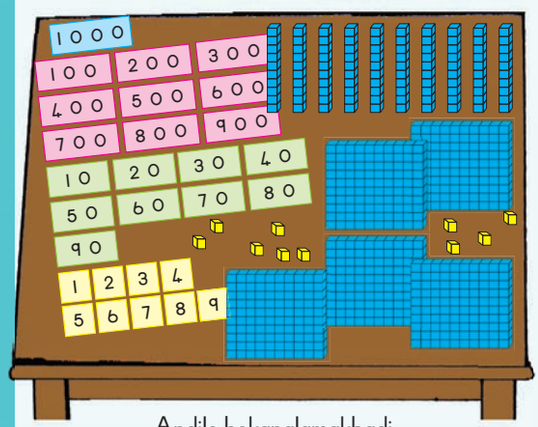
11 12 13 14 15 16 17 18 19 20

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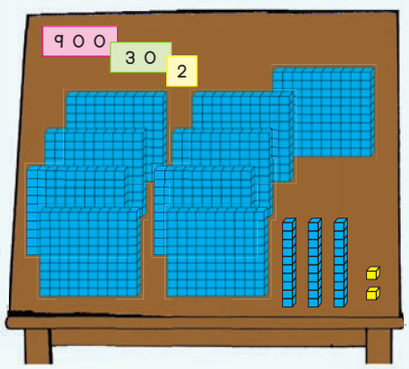
Lusuku:

Kabanti ngetinombolo kusuka ku 900 kuya ku 1 000

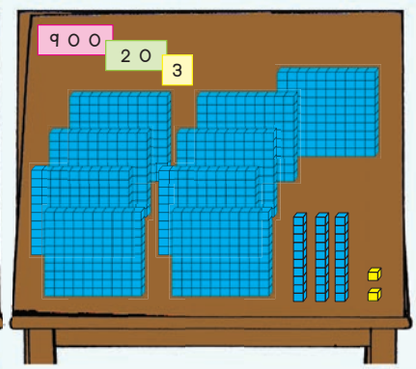


Andile bekanalamakhadi emandla-sikhundla lalandzelako nemabhuloki lalishumi.

Thishela wacela Andile kutsi akhombise 932 ngemakhadi akhe nangemabhuloki.

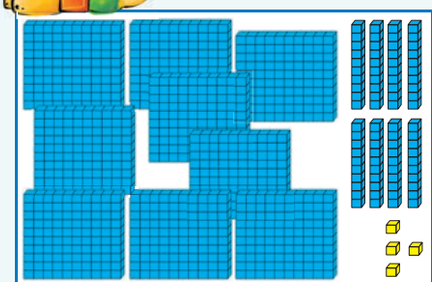


Naku lokwakhonjiswa nguGugu. Uphazame kuphi?





Bhala umusho-nombolo bese ubhala imphendvulo.



900 + 80 + 4 =	984



Bhala umusho-nombolo bese ubhala imphendvulo.

9 0 0	9 0	9
900 + 90 + 9		
=		
9 0 0	2 0	
9 0 0		8

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3 Cedzela umugca-nombolo.

989	990	991								999

Nginikete tonkhe tinombolo letincane kuna 995. _____

Nginikete tonkhe tinombolo letinkhulu kuna 995. _____

4 Gcwalisa <, > noma.

a. 999 _____ 998

b. 957 _____ 975

c. 900 + 60 + 1 _____ 961

5 Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

b. Bhala emandla aleyo naleyo inhlavu-nombolo. Nyalo yenta loku: Vutfuta inombolo yakho.

922	
959	
980	
907	
931	

Sibonelo: 984

900

80

4

984 = 900 + 80 + 4

6 Bhala tinombolo-magama.

976	
905	
950	
821	
909	

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

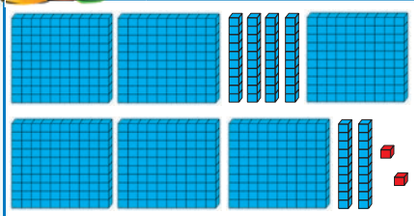
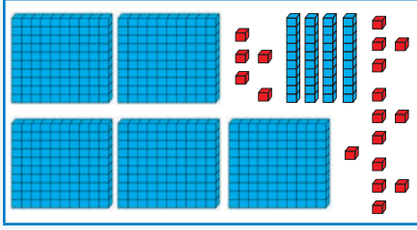
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105 Kuhlanganisa nekususa kuye ku 999

Lusuku: .....



Bhala umusho-nombolo waloko naloko.

	Chaza kutsi uwabale njani emabhuloki? _____
	Chaza kutsi uwabale njani emabhuloki. _____



Sebentisa sibonelo kukucondzisa.

5 0 5 0 imphindza-mbili ya 50 ngu 100	3 0 0 3 0 0 ☐
2 0 0 2 0 0 ☐	3 3 ☐



Sebentisa basamphindza-mbili kusombulula lokulandzelako.
Sebentisa sibonelo kukucondzisa.

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

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4 Sebentisa bomphindza-mbili noma bosamphindza-mbili kusombulula lokulandzelako. Sebentisa sibonelo kukucondzisa.

a. Phindza 340
= 340 + 340
= Phindza 340
= 300 + 300 + 40 + 40
= 600 + 80
= 680

b. 340 + 341
= Phindza 340 + 1
= 300 + 300 + 40 + 40 + 1
= 600 + 80 + 1
= 681

c. 470 + 470

d. 461 + 462

5 Sombulula lokulandzelako:



BeLibanga 2 bacokelele 360 wetimabula.

BeLibanga 3 bana 216 wetimabula ngaphasi kwabeLibanga 2.

Tingakhi timabula beLibanga 3 labanato?

Teacher:
Sign:
Date:

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Lusuku:

Sisekhaya



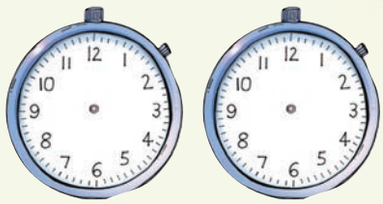
Lilanga lekubhaka.

Ncane Phindi ubhaka likhekhe ku-avini yakhe.

Khombisa sikhatsi kulamawashi.



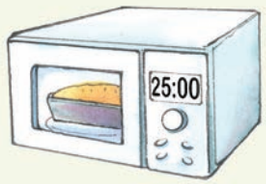
Ufaka likhekhe ngakota phasi 4.



Ukhipha sinkhwa ngemizuzu lesihlanu emva kwensimbi yesihlanu.

Litsetse sikhatsi lesinganani likhekhe kuvutfwa? _____

Make wa-Ana usebentisa imakhowevi avini. Iyasheshisa.



Nyalo nje ngu 16:30. Bukisisa lesikhatsi sekupheka lesikhonjwe ewashini lemakhowevi avini.

Litawuvutfwa nini lelikhekhe? _____

Isheshisa kanganani imakhowevi avini kunalena lenye i-avini? _____ imizuzu.



Imisebenti yekuseni.





NgeMgcibelo ekuseni Musa naPalesa basita unina ekhaya.
Utsatsa sikhatsi lesinganani umsebenti ngamunye?

	Cala	Cedza	Sikhatsi lesinganani?
Kwenta sidlo sekuseni	6:15	6:40	
Geza titja	7:20	8:05	
Hlobisa likhishi	8:20	9:15	
Hlobisa indlu yemgezelo	10:00	10:25	
Hlobisa emakamelo	11:30	12:15	

1 2 3 4 5 6 7 8 9 10

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Nisela ingadze.



Litfumbu lemanti lingasebentisa kufika ku 30 emalitha emanti nga I umzuzu!

Mangakhi emalitha emanti litfumbu lelingawasebentisa nga:

2 imizuzu _____ emalitha.

$2\frac{1}{2}$ imizuzu _____ emalitha

5 imizuzu _____ emalitha

10 imizuzu _____ emalitha.



Kupheka khali.

Babe waBusa wenta abuye atsengise khali. Ngeliviki linye, usebentisa 750 ml we-oyili.

Ubhala phasi linani le-oyili lalisebentisa lilanga ngalinye.

uMsmb	Lesb	Lests	Lesn	Leshl	uMgc	Lis
 98 ml	 122 ml	 108 ml	 117 ml	 109 ml	 135 ml	 ?

a. Usebentisa mangakhi emamililitha (ml) a-oyili kusukela ngeMsombuluko kuze kube nguMgcibelo? _____ ml



b. Usebentisa mangakhi emamililitha (ml) a-oyili ngeliSontfo? _____ ml

c. Libhodlela la-oyili linye lelingemamililitha langu 750 (ml) libita R18, 50.

Abita malini emabhodlela lama 4? _____.

Hlolisisa!
Catsanisa! Lungisa!



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Lusuku:

Kusebenta ngemali



Bala buhhehlu nemaphepha.

10 ×  = R1	20 ×  = R_____	50 ×  = R_____
10 ×  = R_____	20 ×  = R_____	50 ×  = R_____
10 ×  = R_____	20 ×  = R_____	50 ×  = R_____
10 ×  = R_____	20 ×  = R_____	50 ×  = R_____
10 ×  = R_____	20 ×  = R_____	50 ×  = R_____

100 ×  = R_____	100 ×  = R_____	100 ×  = R_____
100 ×  = R_____	100 ×  = R_____	



Luhambo lwesitimela.

Kgethi nebantfwana bakhe laba-3 bagibela sitimela.

Labadzala nebantfwana babhadala ngekufana.

Kgethi ubhadala ngemaphepha.









Utfola R30 intjintji.

Yini intsengo yaku-1 lefakwe luphawu (✓)? Faka luphawu emphendvulweni lengiyo:

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

Hlolisisa!
Catsanisa!
Lungisa!

1 2 3 4 5 6 7 8 9 10

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Spaza saSandile.

Sandile ubhala emanani emali layitfolako ngelithebula.
Ucale ente silinganiso, bese uyakhakhuletha abale imali yakhe
lengena malanga onkhe. Imali lengenako yimali lesiyiholako noma lesiyemukelako.
Sita Sandile kucedzela kubala kwakhe kwekukhakhuletha. Bhala timphendvulo takho ethebuleni:

		Silinganiso	Samba
UMsombuluko	R50 + R75 + R200 + R350 + R25		
Lesibili	R25 + RI75 + R50 + R320 + R90		
Lesitsatfu	R50 + R75 + R200 + R350 + R25		
Lesine	RI20 + R55 + RI80 + R245 + R25		
Lesihlanu	R60 + RI50 + RI40 + R200 + RI25		
UMgcibelo	R50 + R75 + R200 + R350 + R25		
Lisontfo	R50 + R75 + R200 + R350 + R25		

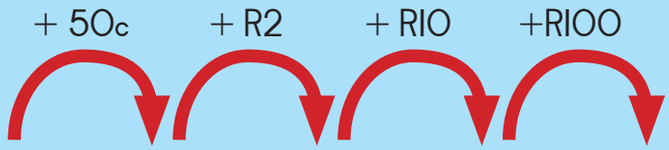


Bala kahle intjintji.

Kutfola intjintji yakho ungahlanganisa uchubeke kusuka kulentsengo yetintfo
kuye emalini yemaphepha loyikhiphako.

Sibonelo:

Palesa utsenga kudla nga R87,50.
Ubhadala nga R200 weliphepha.
Ngumalini intjintji yakhe?



50c + R2 + RIO + RIOO = RII2,50 intjintji

Sebentisa imigca-nombolo kukusita ubale kahle intjintji.

Intsengo: R229,40
Bhadala nga:



Intsengo: R305,60
Bhadala nga:





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108 Siyachubeka ngekuhlanganisa nekususa kufika ku 999

Lusuku: .....



Ase sisombulule lesibalo-nkinga.

Gugu ucokelele 234 wetinanyatsiselo.
Mandla umnike 501 wetinanyatsiselo ngetulu.
Tingakhi tinanyatsiselo lase anato-ke nyalo?

Utsini umbuto?
Tingakhi tinanyatsiselo lase anato-ke nyalo?

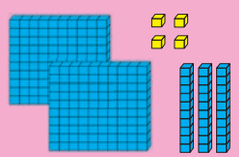
Litsini ligama-nsika? ngetulu

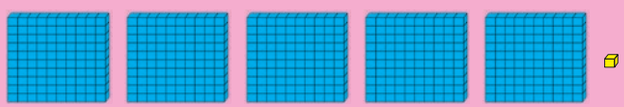
Ngutiphi letinombolo? 234 na 501

Ase sikhombise loku ngemabhuloki etfu esisekelo-shumi.



Naku Lisa lakwentile kusombulula inkinga yaGugu.







Naku lokwentiwe ngu-Aakar.

Wente umdvwebo.



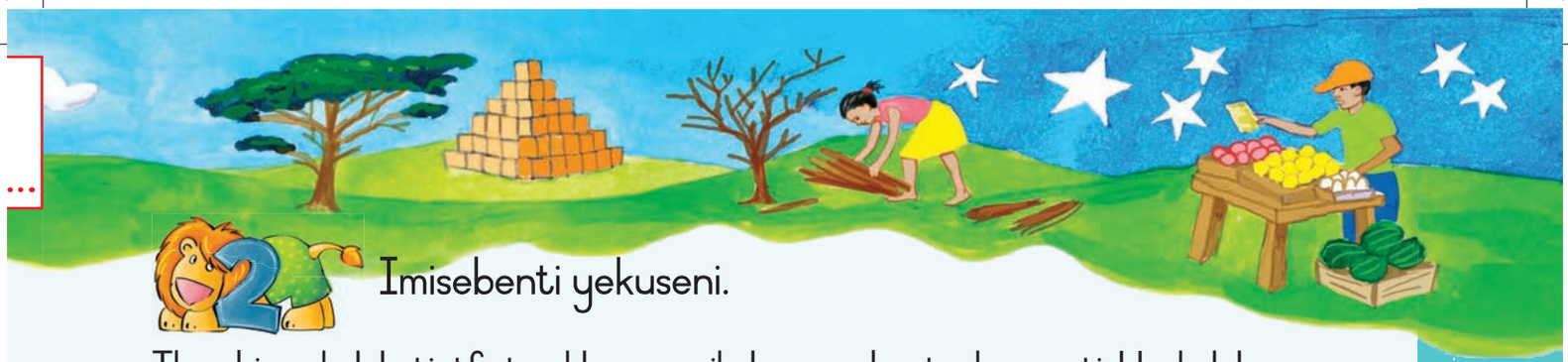


Kubeka emabhuloki esisekelo-shumi kwaLisa kufana kanjani nemdvwebo wa-Aakar.

Sebentisa lenombolo kusombulula lesibalo-nkinga kusombulula ngentasi usebentisa letindlela letimbili lotifundzile kungumanje.

Indlela 1	Indlela 2

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Imisebenti yekuseni.

Thembi ucokelela tintfo temklamo wesikolo wensebenta-kanyenti. Ucokelele 624 wemabhodlela epulasitiki na 268 wetikotela. Tingakhi tintfo lase aticokelele?

Utsini umbuto? _____

Ngutiphi letinombolo?	Litsini ligama-nsika? Faka luphawu emphendvulweni lengiyo. Ligama-nsika lisitjela kutsi: Hlanganisa ☐ Susa ☐
Yenta umdvwebo.	Sebentisa yakakho indlela kusombulula lesibalo-nkinga.

Sitolo besina 900 emapaka ashukela. Emva kwe kutsengisa lamanye emapaka, sitolo saba na 659 wemapaka ashukela lasele. Mangakhi emapaka lesawatsengisa?

Utsini umbuto? _____

Ngutiphi letinombolo?	Litsini ligama-nsika? Faka luphawu emphendvulweni lengiyo. Ligama-nsika lisitjela kutsi: Hlanganisa ☐ Susa ☐
Yenta umdvwebo.	Sebentisa yakakho indlela kusombulula lesibalo-nkinga.



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Lusuku: .....

Kuhlanganisa nekususa kufika ku 999 njalo

Bukisisa lemidvwebo uyichaze.



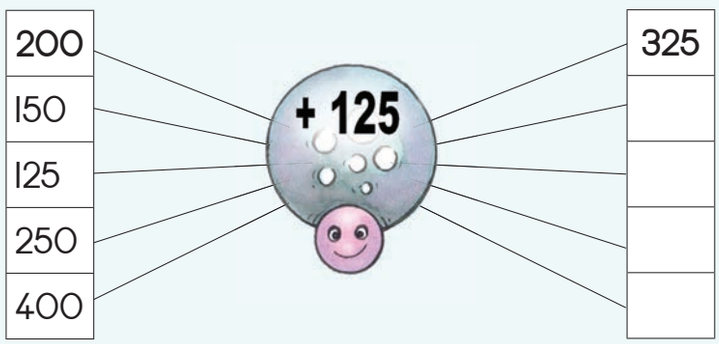
Cedzela lokulandzelako:

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

Bhala tinombolo

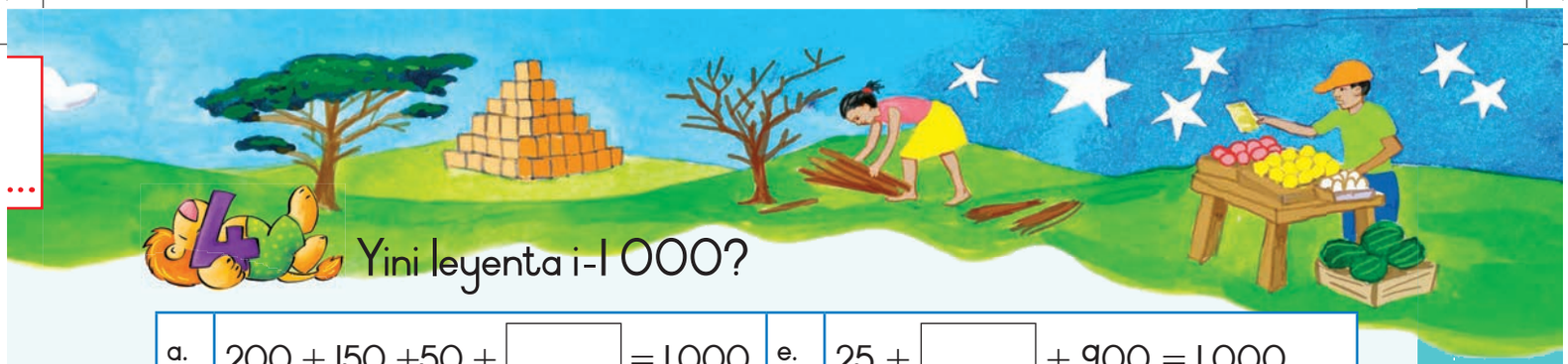
a. 12 ngetulu kwa 523 ngu _____.	e. 537 unciphise nga 29 ngu _____
b. 15 ngaphasi kwa 540 ngu _____	f. Ihhafu ya 300 ngu _____.
c. 20 ngetulu kwa 576 ngu _____	g. Mphindza-mbili wa 420 ngu _____
d. 60 ngaphasi kwa 590 ngu _____	h. Ihhafu ya 600 ngu _____

Hlanganisa 125



1 2 3 4 5 6 7 8 9 10

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4 Yini leyenta i-1 000?

a.	200 + 150 +50 + ☐ = 1 000	e.	25 + ☐ + 900 = 1 000
b.	1 000 = 560 + ☐ + 400	f.	☐ + 700 + 50 = 1 000
c.	670 + ☐ = 1 000	g.	1 000 = 420 + ☐ + 500
d.	910 + 40 + ☐ = 1 000	h.	☐ + 30 + 900 = 1 000

Tfola imindeni-nombolo yabo + na –



Sibonelo: 125 + 600 = 725 725 – 125 = 600 725 – 600 = 125

123 + 77 = ☐	☐ – 77 = 123	☐ – 123 = 77
650 + ☐ = 800	800 – 650 = ☐	☐ + 650 = 800
1 000 – 250 = ☐	1 000 – ☐ = 250	250 + ☐ = 1 000
56 + ☐ = 300	300 – ☐ = 56	☐ + 56 = ☐
820 + ☐ = 1 000	1 000 – ☐ = 820	1 000 – 820 = ☐

Hlolisisa!
Catsanisa!
Lungisa!

Hlanganisa ubuye ususe emashumi nemakhulu



a. Emashumi nemakhulu

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. Emashumi lagcwele (Timphindza ta 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 =

Sombulula lokulandzelako:

925 + 53 = ☐ 571 + 202 = ☐ 786 + 75 = ☐ 903 + 95 = ☐

Teacher:
Sign:
Date:

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Lusuku:

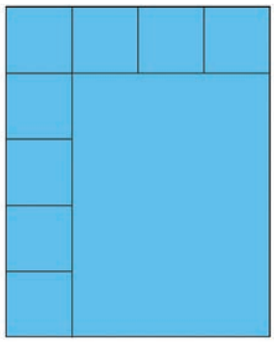
Timphica sikalo



Tfola i-eriya

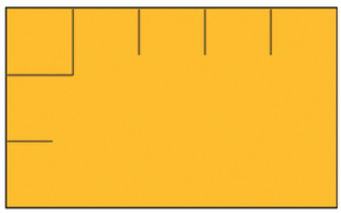
Tingakhi tikwele talesayizi  lotidzingako kuvala yilili sakhiwo ngasinye? Sebentisa yakakho indlela kutibala kahle. Ungadvweba tikwele etitfombeni kukusita ubale kahle.

a.



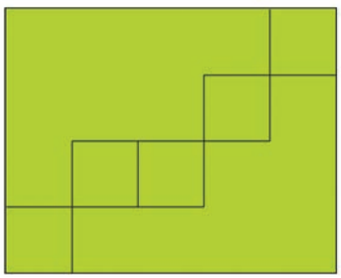
_____

b.



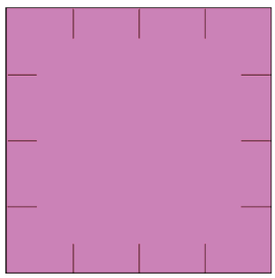
_____

c.



_____

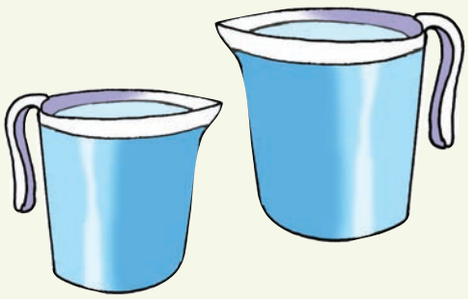
d.



_____



Sombulula lesiphicwano



Ufuna kukala kahle ngco 4 emalitha emanti.

Unakubili jwi kwekuphatsa: kunye kuphatsa 3 emalitha bese loku lokunye kuphatsa 5 emalitha. Utakwenta njani?

Licebo: kunatimbili tindlela cishe longatisebentisa.

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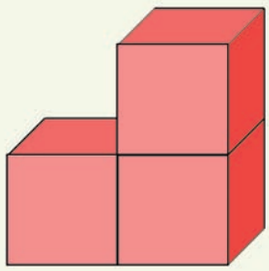




Ubonani?

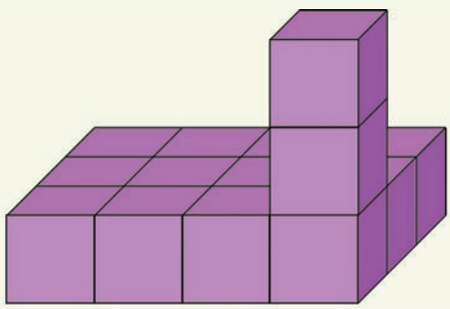
Emabhuloki lamatsatfu ananyatseliswe ndzawonye njenga kulesitfombe.

Uma uphakamisa lamabhuloki lahlanganiswe ndzawonye tingakhi tikwele longatibala ngephandle? _____





Bala emakhyubhu



Mangakhi emakhyubhu lakakha lobunjwa?

_____



Insayeya: siphicwano sesikhatsi.

Hlolisisa!
Catsanisa!
Lungisa!

Unatimbili tincopha-sikhatsi tesihlabatsi.

Yinye ikala ngco 7 wemizuzu bese lena lenye ikale ngco 11 wemizuzu.

Ungatisebentisa tincopha-sikhatsi kutfola kahle nase kwengce 15 wemizuzu ngco?

_____

_____

_____

Teacher:
Sign:
Date:

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Lusuku:

Emaphethini nombolo: emashumi kufika ku 900

Ase sibale ngemashumi kusuka ku 810 kuye 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



Phethini yini lesikhonjiswa tinombolo letibiyelwe?

Letibiyelwe ngalokubovu: Kubala ngabo ____.	Bhala phasi lephethini: _____
Letibiyelwe ngalokuluhlata: Kubala ngabo ___	Bhala phasi lephethini: _____



Khakhuletha.

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 = ____

1 2 3 4 5 6 7 8 9 10

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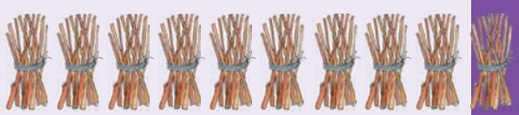


3 Tingakhi tindvuku?

Kunelishumi letindvuku enyandzeni  wetindvuku  .

1	= _____	wetindvuku	10	= _____	wetindvuku
2	= _____	wetindvuku	20	= _____	wetindvuku
3	= _____	wetindvuku	30	= _____	wetindvuku
4	= _____	wetindvuku	40	= _____	wetindvuku
5	= _____	wetindvuku	50	= _____	wetindvuku
6	= _____	wetindvuku	60	= _____	wetindvuku
7	= _____	wetindvuku	70	= _____	wetindvuku
8	= _____	wetindvuku	80	= _____	wetindvuku
9	= _____	wetindvuku	90	= _____	wetindvuku
10	= _____	wetindvuku	100	= _____	wetindvuku

4 Emahele etindvuku.



Kunelishumi letinyandza tetindvuku eluheleni = 100 tindvuku

1 emahele a 10 tinyandza = 100 tindvuku

2 emahele a 10 tinyandza = _____ tindvuku

4 emahele a 10 tinyandza = _____ tindvuku

10 emahele a 10 tinyandza = _____ tindvuku

$10 \times 10 = 100$

$20 \times 10 =$ _____

$40 \times 10 =$ _____

$100 \times 10 =$ _____

5

700 wetindvuku wenta _____ tinyandza.

900 wetindvuku wenta _____ tinyandza

1 000 wetindvuku wenta _____ tinyandza.



Teacher:
Sign:
Date:

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Lusuku:

Kusonga usondzete eshumini

Ithemu 4

Sesikwentele lokunye kusonga sisondzete eshadini lekusebentela lelengcile. Bukisisa lomugca-nombolo bese uchazela umngani wakho kutsi utawusonga kanjani usondzete eshumini lelisedvute.



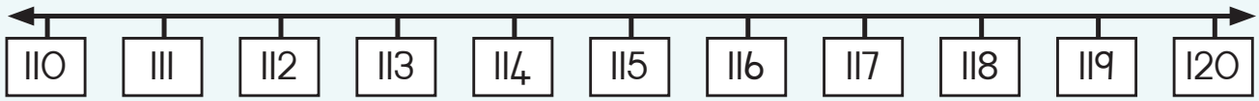




Songa usondzete ku 10 losedvute.

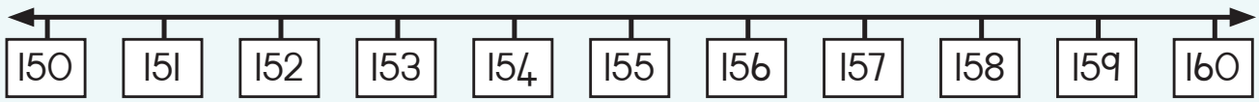
114 nakasongiwe ngu? ___

117 nakasongiwe ngu? ___



159 nakasongiwe ngu? ___

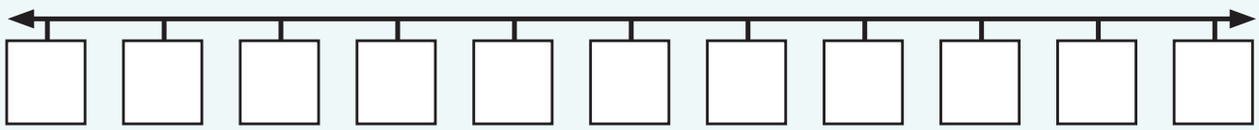
151 nakasongiwe ngu? ___



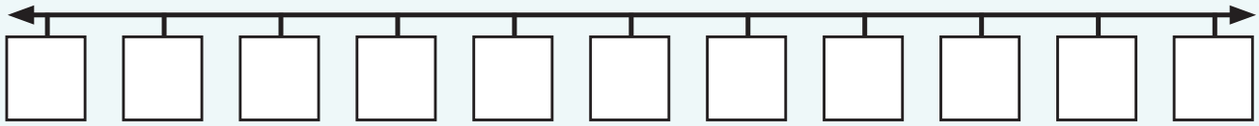


Songa kuye ku 10 losedvute.
Dvweba wakakho umugca-nombolo.

195



945





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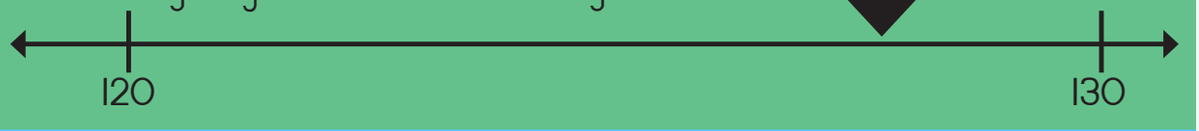
Songa usondzete kunombolo 10 lesedvute.

Ungakasongi:

a. bhala phasi kutsi lenombolo lotayisonga isemkhatsini watiphi tinombolo letimbili telishumi.

b. khombisa ngebutjoki lobuncama lapho inombolo itawusongwa khona emgceni nombolo.

a. 128 nakasongwa ayiswa eshumini lelisedvute ngu 130



b. 877



c. 901



d. 566



e. 999



Songa letinombolo letilandzelako tiye ku 10 losedvute.

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

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

Ngidzinga bangakhi bo RIO labaliphepha?

Mbali nebangani bakhe labasi-8 baya emcimbini wekutijabulisa esikolweni. Lomgidvo ubita R4 umuntfu amunye. Mbali wonge imali wakhetsa kubhadalela bangani bakhe. Uye ku-ATM kuyowukhipha imali. Le-ATM ikhipha imali lemaphepha nje kuphela. Udzinga bangakhi bo RIO labamaphepha? ☐

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

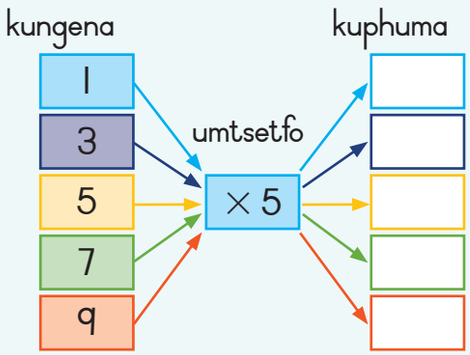
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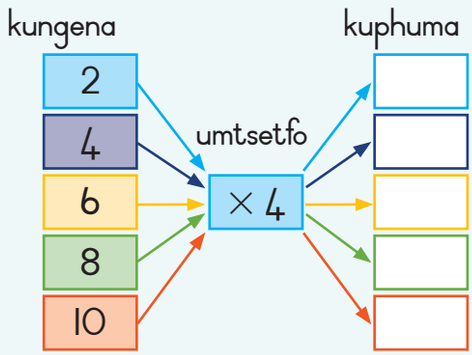
113 Kuphindzaphindza nekwehlukanisa: tihlanu kufika ku 100

Lusuku: .....



Cedzela lelithebula lelingantasi:







Cedzela lelithebula lelingantasi:

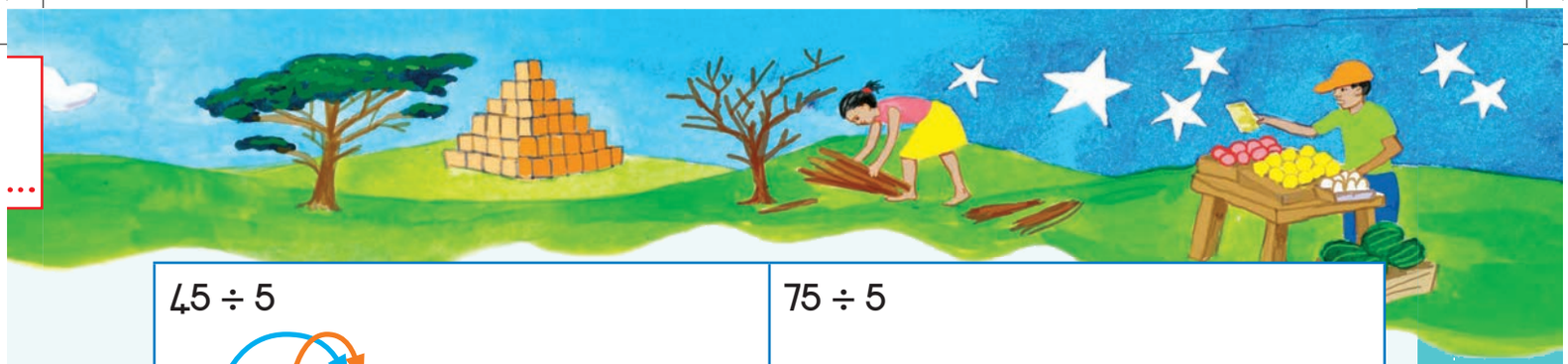
×	1	2	3	4	5	6	7	8	9	10
5										



Khakhuletha:

12 × 5 = (10 + 2) × 5 = 50 + 10 = 60	11 × 5
13 × 5 = (10 + 3) × 5 = 50 + 15 = 50 + 10 + 5 = 65	13 × 5

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45 ÷ 5 = (40 + 5) ÷ 5 = (45 ÷ 5) + (5 ÷ 5) = 8 + 1 = 9	75 ÷ 5
48 ÷ 5 = (40 + 8) ÷ 5 = (40 ÷ 5) + (8 ÷ 5) = 8 + 1 umsalela 3 = 9 rem 3	13 ÷ 5



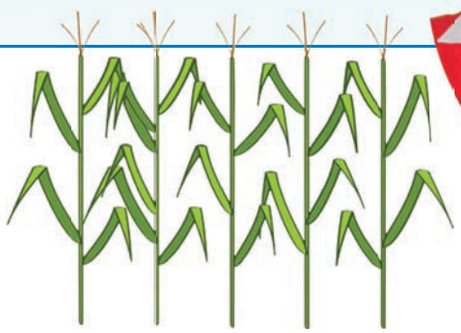
Sombulula tibalo-nkinga letilandzelako:



Ingadze yetibhidvo ina 14 wemahele etitjalo.

Luhele ngalunye lunelinani lelifanako letitjalo.

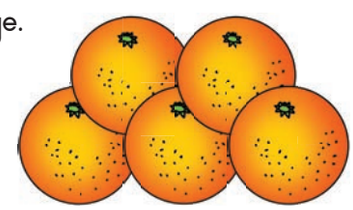
Uma kunesamba sa 70 wetitjalo, tingakhi titjalo letikhona luhele ngalunye?



David utsengisa emasaka lanesihlanu sema-orintji lilinye.

Una 85 ema-orintji.

Mangakhi emasaka langawagcwalisa?





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114

Lusuku:

.....

Emaphethini nombolo: tihlanu kufika ku 1 000

Ase sibale ngetihlanu kusuka ku 805 kuye 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



Phethini yini lesiyikhonjiswa tinombolo letibiyelwe?

Letibiyelwe ngalokulingangane:	Kubala ngabo _____.
Bhala phasi lephethini:	
Letibiyelwe ngalokusamsobo:	Kubala ngabo _____.
Bhala phasi lephethini:	



Khakhuletha.

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 = ____

1 2 3 4 5 6 7 8 9 10

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Libhodi letinombolo 901 kuye ku 1 000.

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



Gcwalisa tinombolo letishiyekile.

Yini umehluko emkhatsini waletinombolo letiluhlata naletisamsobo eluheleni lunye?



Cedzela emaphethini.

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

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

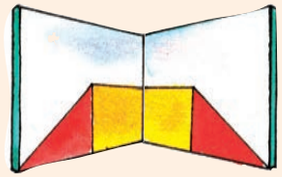
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Lusuku:

Sichubeka ngemugca-sibuko

Tibuke tsekwane.



Dlala nemlingani usebentisa yinye yemasethi etimphica temathayili (letina 14 wetincetu) kusuka kuLokusikiwe 10.

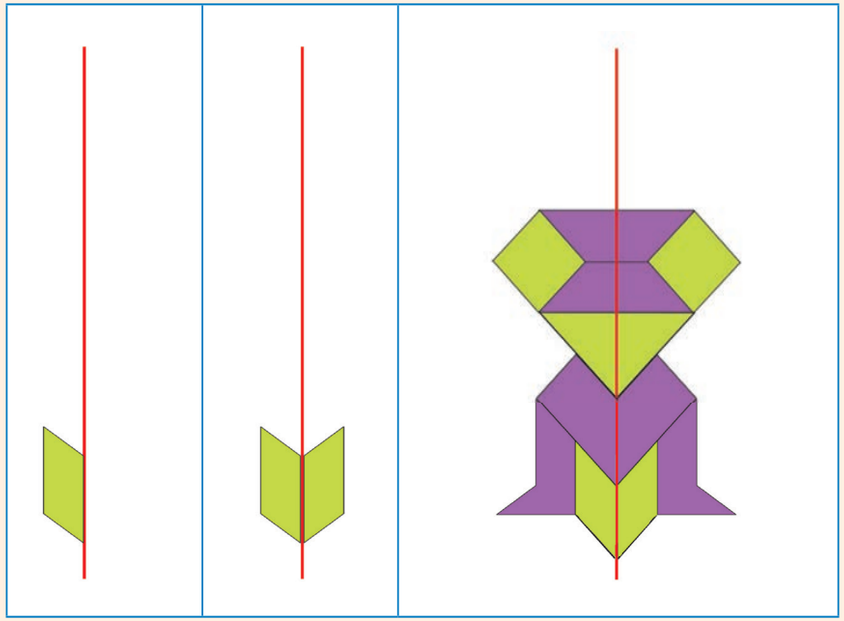
Umdlali ngamunye unahhafu wetincetu (7 wetincetu) tabobunjwa bemathayili-mphica. Kute nalunye lucetu lokufute lufane nalolunye.

Dvweba umugca uhambe ngco emkhatsini welipheshana. Loku kutaba ngu "mugca mafanisa".

Umdlali wekucala ubeka lunye lwetincetu takhe madvute nemugca.

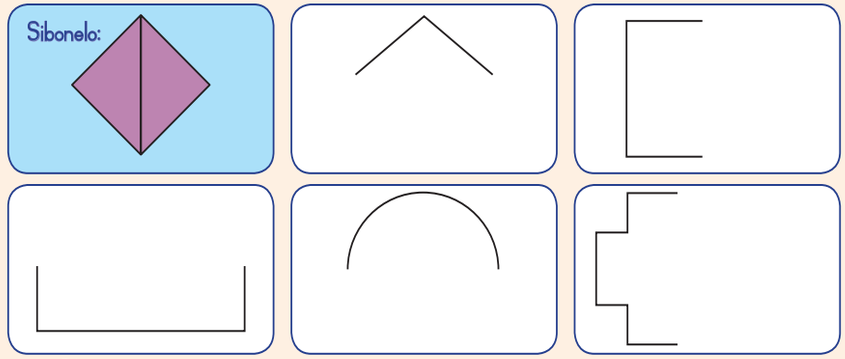
Umdlali wesibili yena bese ubeka sitfombe-fanana selucetu kulela lelinye licala lemugca.

Kufute lutsintse umugca noma munye wabobunjwa lase bavele babekiwe.

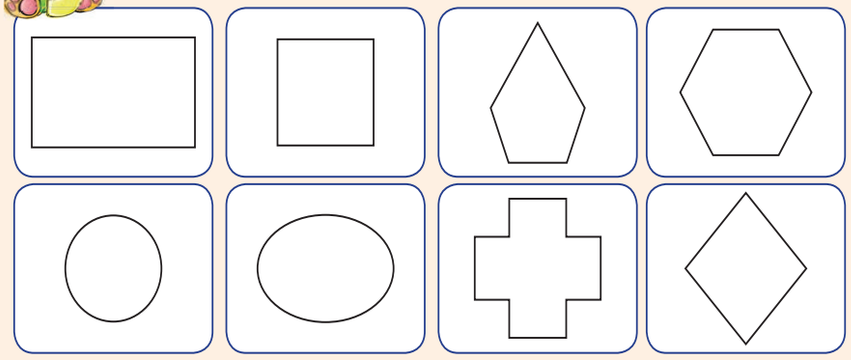


2 Dvweba lela lelinye licala labunjwa.

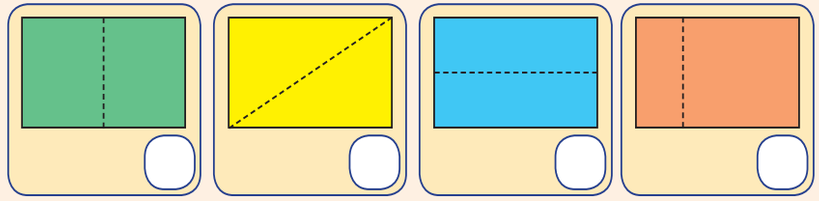
Chubeka ukhombise lomugca wemugca-sibuko.



3 Dvweba imigca yemugca-sibuko kuloku lokulandzelako:



4 Faka luphawu (✓) bobunjwa labanemigca lengiyo yemugca-sibuko.



Teacher:
Sign:
Date:

Lusuku: .....

116 Emaphethini nombolo: ngakubili kufika ku 900

Ase sibale ngetihlanu kusuka ku 802 kuye 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

Phethini yini lesiyikhonjiswa tinombolo letibiyelwe?

Letibiyelwe ngalokulingangane	Kubala _____.
Bhala phasi lephethini	
Letinembala loluhlata	Kubala _____.
Bhala phasi lephethini:	

Khakhuletha.

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 = ____

Bomashiyana nabomalinganisa.

a. Dvweba (✗) eceleni kwetinombolo mashiyana na (✓) eceleni kwetinombolo malinganisa.

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

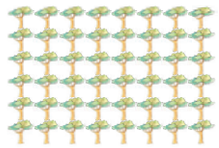
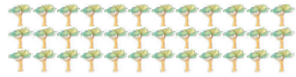
b. Phendvula nga malinganisa noma mashiyana.
Hlanganisa timbili tinombolo mashiyana. Utfole inombolo _____.
Hlanganisa timbili tinombolo malinganisa. Utfole inombolo _____.
Uhlanganisa tintsatfu tinombolo mashiyana. Utfole inombolo _____.

Kutjala tihlahla.

Lena ngulenye yetindlela tekutjala 48 wetihlahla ngemahele lalinganako.



Singabhala: 2 × 24 = 48 (2 emahele a 24 wetihlahla = 48) noma 48 ÷ 2 = 24 (48 wetihlahla tibekwe nga 2 emahele lalinganako kuniketa 24 wetihlahla ngeluhele). Bala emahele netihlahla esitfombeni ngasinye ngentasi. Bhala × na ÷ ngemusho-nombolo kucondzanisa.

a. _____ × _____ = _____ _____ ÷ _____ = _____	
b. _____ × _____ = _____ _____ ÷ _____ = _____	
c. _____ × _____ = _____ _____ ÷ _____ = _____	
d. Tfola lenye indlela yekutjala 48 wetihlahla ngemahele. _____ × _____ = _____ _____ ÷ _____ = _____	e. Tfola lenye indlela yekutjala 48 wetihlahla ngemahele. _____ × _____ = _____ _____ ÷ _____ = _____

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Lusuku:

Kuphindzaphindza

nekwehlukanisa: ngakubili kufika ku 100



Cedzela lelithebula lelingantasi:

kungena	kuphuma
1	
3	
5	
7	
9	

umtsetfo: × 2

kungena	kuphuma
2	
4	
6	
8	
10	

umtsetfo: × 2



Cedzela lelithebula lelingantasi:

×	1	2	3	4	5	6	7	8	9	10
2										



Khakhuletha:

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

46 ÷ 2 = (40 + 6) ÷ 2 = (40 ÷ 2) + (6 ÷ 2) = 20 + 3 = 23	74 ÷ 2
47 ÷ 2 = (40 + 7) ÷ 2 = (40 ÷ 2) + (7 ÷ 2) = 20 + 3 umsalela 1 = 23 umsalela 1	75 ÷ 2



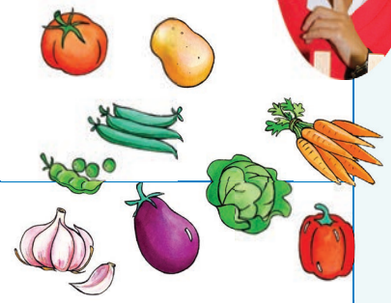
Sombulula tibalo-nkinga letilandzelako:



Ingadze yetibhidvo ine-32 emahele etitjalo.

Luhele ngalunye luna 2 titjalo.

Tingakhi titjalo kulengadze?



Ingadze yetibhidvo ine-40 emahele etitjalo.

Onkhe emahele anenombolo lelinganako yetitjalo.

Uma titjalo setitonkhe tingema-80, tingakhi eluheleni ngalunye?

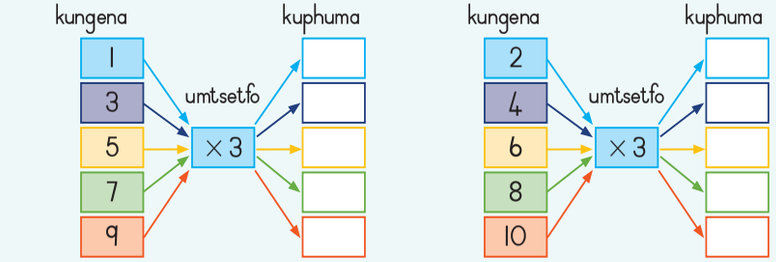
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Lusuku: .....

118 Kuphindzaphindza nekwehlukanisa: ngakubili kufika ku 100

Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:

×	1	2	3	4	5	6	7	8	9	10
3										

Khakhuletha:

12 × 3 = (10 + 2) × 3 = 30 + 6 = 36	11 × 3
17 × 3 = (10 + 7) × 3 = 30 + 21 = 30 + 20 + 1 = 51	19 × 3

63 ÷ 3 = (60 + 3) ÷ 3 = (60 ÷ 3) + (3 ÷ 3) = 20 + 1 = 21	96 ÷ 3
65 ÷ 3 = (60 + 5) ÷ 3 = (60 ÷ 3) + (5 ÷ 3) = 20 + 1 umsalela 2 = 21 umsalela 2	98 ÷ 3

Sombulula tibalo-nkinga letilandzelako:



Marlene una 30 wemaswidi.

Loku kuphindzeke kalishumi kwengca loko lanako Jakobhe.

Mangakhi emaswidi lanawo Jakobhe?



Ingadze yetibhidvo ina 29 emahele etitjalo.

Luhele ngalunye luna 3 wetitjalo.

Tingakhi titjalo letikhona engadzeni?



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Lusuku:

Emaphethini nombolo: kutsatfu kufika ku 1 000

Ase sibale ngakutsatfu kusuka ku 803 kuye 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

Phethini yini lesiyikhonjiswa tinombolo letibiyelwe?

Letibiyelwe ngalokuliphuti:	Kubala ngabo _____.
Bhala phasi lephethini:	
Letibiyelwe ngalokuluhlata	Kubala ngabo _____.
Bhala phasi lephethini:	

Khakhuletha.

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

Libhodi letinombolo 901 kuye ku 1 000.

901		903	904		906	907		909	910
	912	913		915	916		918	919	
921	922		924	925		927	928		930
931		933	934		936	937		939	940
	942	943		945	946		948	949	
951	952		954	955		957	958		960
961		963	964		966	967		969	990
	972	973		975	976		978	979	
981	982		984	985		987	988		990
991		993	994		996	997		999	1 000

Gcwalisa tinombolo letishiyiwe.

Faka umbala loluhlata kumabhuloki etinombolo letishiyiwe. Faka umbala lobovu kumabhuloki lamhlophe lanetinombolo. Phethini yini loyibonako?

Cedzela emaphethini.

a. Hlanganisa 4 ngakune kuye ku 981.	984, 987, 990, 993
b. Hlanganisa 5 ngakune kuye ku 973.	_____
c. Susa 4 ngakune kusuka ku 975.	_____
d. Susa 3 ngakune kusuka ku 947.	_____
e. Hlanganisa 2 ngakune kuye ku 932.	_____

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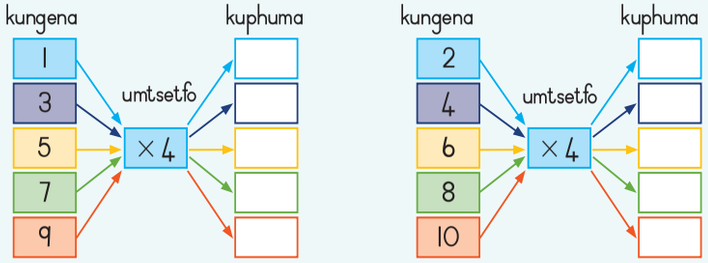
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Lusuku:

Kuphindzaphindza nekwehlukanisa: ngakune kufika ku 100

1 Cedzela lelithebula lelingantasi:



2 Cedzela lelithebula lelingantasi:

×	1	2	3	4	5	6	7	8	9	10
4										

3 Khakhuletha:

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

48 ÷ 6 = (40 + 8) ÷ 4 = (40 ÷ 4) + (8 ÷ 4) = 10 + 2 = 12	64 ÷ 4
45 ÷ 4 = (40 + 5) ÷ 4 = (40 ÷ 4) + (5 ÷ 4) = 10 + 1 umsalela 1 = 11 umsalela 1	49 ÷ 4

4 Sombulula tibalo-nkinga letilandzelako:



Tony una 36 wemaswidi.

Udla 4 wemaswidi onkhe malanga.

Mangakhi emalanga langadla ngawo lamaswidi?



David utsengisa emaphakethe lanema-orintji lamane liphakethe ngalinye.

Una 88 ema-orintji.

Mangakhi emaphakethe langawagcwalisa?



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121 Emaphethini nombolo: ngakune kufika ku 1 000

Lusuku: .....

Ase sibale ngakune kusuka ku 804 kuye 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

Phethini yini lesiyikhonjiswa tinombolo letibiyelwe ?

Letibiyelwe ngalokuluhlata:	Kubala ngabo _____:
Bhala phasi lephethini:	
Letibiyelwe ngalokusamsobo:	Kubala ngabo _____:
Bhala phasi lephethini:	

2

a. 872 + 4 + 4 + 4 = ____	b. 821 − 4 − 4 − 4 = ____	c. 840 + 4 + 4 = ____
d. 836 − 4 − 4 − 4 − 4 = ____	e. 885 + 4 = ____	f. 845 − 4 − 4 = ____
g. 803 + 4 + 4 + 4 = ____	h. 813 − 4 = ____	i. 847 − 3 − 3 − 3 = ____

Libhodi letinombolo 901 kuye ku 1 000.

901		903	904	905		907	908	909	
911	912	913		915	916	917		919	920
921		923	924	925		927	928	927	
931	932	933		935	936	937		939	940
941		943	944	945		947	948	949	
951	952	953		955	956	957		959	960
961		963	964	965		967	968	969	
971	972	973		975	976	977		979	980
981	982	983	984	985		987	988	989	
991	992	993		995	996	997		999	1 000

Gcwalisa tinombolo letishiyiwe.

Faka umbala loluhlata kumabhuloki etinombolo letishiyiwe. Faka umbala lobovu kumabhuloki lamhlophe lanetinombolo. Phethini yini loyibonako?

4 Cedzela emaphethini.

a. Hlanganisa 4 ngakune kuye ku 980.	984, 988, 992, 996
b. Hlanganisa 5 ngakune kuye ku 971.	_____
c. Susa 4 ngakune kusuka ku 963.	_____
d. Susa 3 ngakune kusuka ku 927.	_____
e. Hlanganisa 2 ngakune kuye ku 938.	_____

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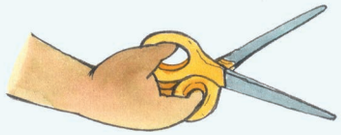
Lusuku:

Tincenye letilinganako talokugcwele



Hhafu munye, noma nguyiphi indlela.

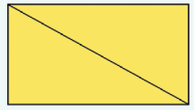
Sika bocalandze ephepheni lelinembala (kuKwekusikwa II).



Tama kutfola tindlela letehlukene kwenta hhafu munye.

1. Goba liphepha lacalandze kuhhafu ngebudze. Sika leliphepha kuhhafu emgobeni. Lucetu ngalunye lulingana ngco nalolunye. Lucetu ngalunye nguhhafu munye ($\frac{1}{2}$) wacalandze locale ngaye.
2. Goba lelinye liphepha lacalandze kuhhafu kuvundle kubhukule. Sika leliphepha kuhhafu emgobeni. Lucetu ngalunye lulingana ngco nalolunye. Lucetu ngalunye nguhhafu munye wacalandze locale ngaye.
3. Nguyiphi lenye indlela yekwehlukanisa leliphepha libe tincenye letimbili letilinganako? Tama kutfola ngeliphepha nesikelo, bese udvweba umugca lapho ugoba khona bese uyasika.



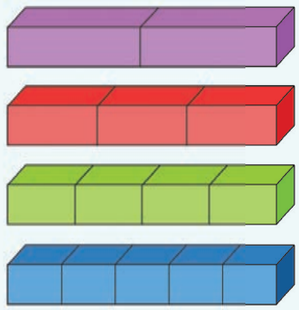






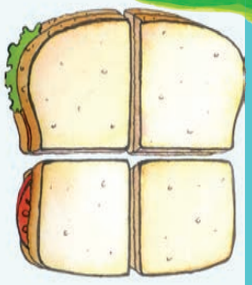
Asichubeke ngetincenye letilinganako talokugcwele.

Uma sehlukanisa lutfo luba ti-2 tincenye letilinganako letincenye sitsi bohhafu.
Uma sehlukanisa lutfo luba ti-3 tincenye letilinganako letincenye sitsi boncenye-ntsatfu.
Uma sehlukanisa lutfo luba ti-4 tincenye letilinganako letincenye sitsi boncenye-ne.
Uma sehlukanisa lutfo luba ti-5 tincenye letilinganako letincenye sitsi boncenye-hlanu.





Emasangweji elantji.

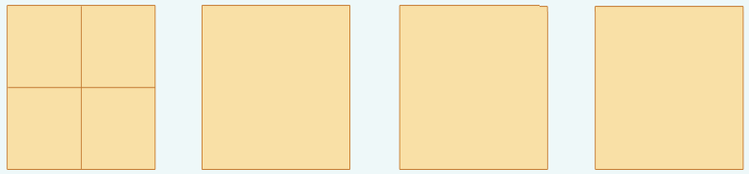


Thabo nebangani bakhe laba-3 benta indathane yemasangweji elantji.

Bawasike kahle aba boncenye-ne noma emakota.

Loku kusho kutsi bawasike aba ngu 4 wetincetu letilinganako.

Nansi yinye indlela. Khombisa 3 waletinye tindlela tekwenta loku.



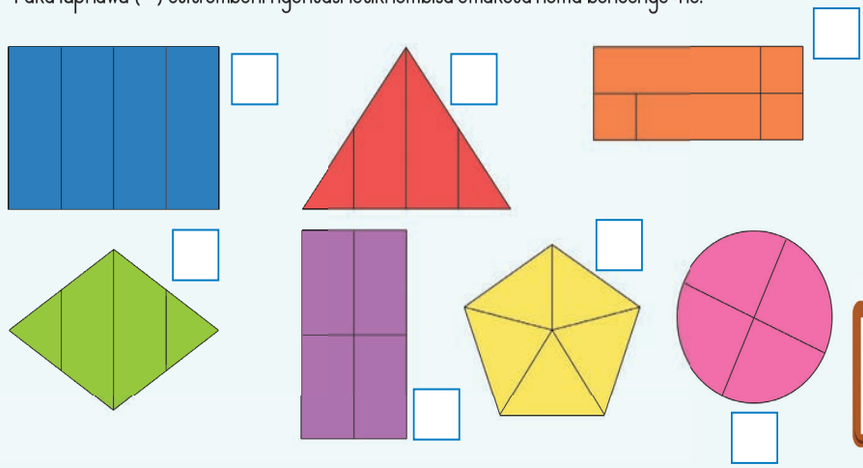


Kwehlukanisa ngaboncenye-ne.

Hlolisisa!
Catsanisa!
Lungisa!

Uma sisika lutfo luba ngemakota (bo$\frac{1}{4}$), sikwehlukanisa kube ngu 4 wetincenye letilinganako.

Faka luphawu (✓) etitfombeni ngentasi letikhombisa emakota noma boncenye-ne.



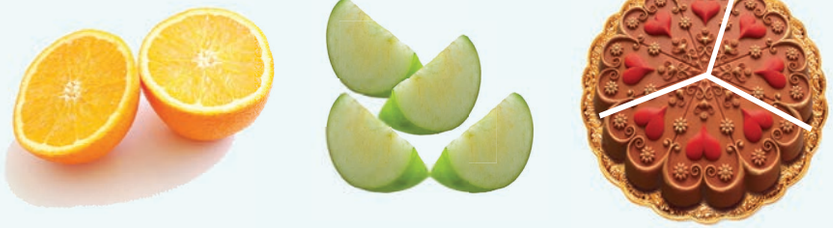
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Lusuku:

Tibalo-nkinga temafrakishini

Coca ngemafrakishini nebangani bakho.



Sombulula tibalo-nkinga letilandzelako ngekuphendvula imibuto bese wenta imidvwebo.

a. Umceceshi wenethibholi uniketa umdlali ngamunye ihhafu yeli-orintji. Kuna 14 webadlali.

Mangakhi ema-orintji lawadzingako? _____

Utsini umbuto? _____

Titsini tinombolo noma emafrakishini kulesibalo-nkinga? _____

Yini ligama-nsika? _____

Dvweba sitfombe.

Itsini imphendvulo? _____



b. Make wami unginikete nebangani bami labalishumi nanye ikota yelihhabhula umuntfu ngamunye.

Mangakhi emahhabhula lawasebentisile? _____

Titsini tinombolo noma emafrakishini kulesibalo-nkinga? _____

Yini ligama-nsika? _____

Dvweba sitfombe.



Itsini imphendvulo? _____

b. Emcimbini wekutijabulisa esikolwemi batsengisa emakhekhe kepha tincetu letinsatfu lilinye. Batsengise tigadla temakhekhe kubantfu labangema-24.

Mangakhi emakhekhe labawatsengisile? _____

Titsini tinombolo noma emafrakishini kulesibalo-nkinga? _____

Yini ligama-nsika? _____

Dvweba sitfombe



Itsini imphendvulo? _____

Teacher:
Sign:
Date:

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

Lusuku:

124 Cabanga ngesilinda, umbhoshongo, noma indilinga lengagicika

Buka letitfombe.

Ngusiphi sicumbi lesikhombisa emabhola, imibhoshongo nemabhokisi?



Tfola titfombe timbili tangakunye utinameke ngentasi.

Dvwebela imphendvulo lengiyo.

a. Litamatisi libumbeke njengebhola/libhokisi/umbhoshongo (isilinda).

b. Ingilazi yekunatsa ibumbeke njengebhola/libhokisi/umbhoshongo (isilinda).

c. Incwadzi ibumbeke njengebhola/libhokisi/umbhoshongo (isilinda).

"Condzile" na "gwenjile".

Letinye tintfo letiphatsekako tiba nelingephandle lelisicabati.
Letinye tiba nelingephandle leligwenjile.

		
Umbhoshongo (isilinda) unebuso bubili lobusicabati nabunye lobugwenjile.	Ikhoni inebuso bunye lobusicabati nabunye lobugwinjile.	Imbulunga (sifiye) lesanyeti inemacala lagwenje mtimba wonkhe macala onkhe.

Kugicika

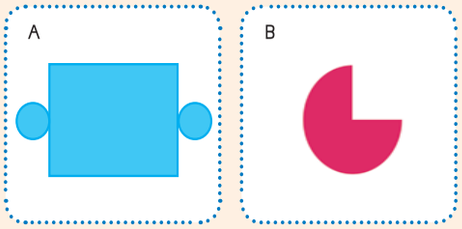
Ase ucabange kutsi kodvwa umbhoshongo, ikhoni noma imbulunga (sifiye) kungagicika njani.

Kuletintfo leti-3, ngukuphi:

a. Lokungeke kugicike sigamu lesidze.	
b. Lokungagicika kuphela ngemugca locondzile?	
c. Lokungagicika kubheke nomaphi?	

Yini inethi?

Bunjwa losicabati longagocwa kwenta sakhiwo lesiphatsekako ubitwa ngekutsi yinethi.



Bhala luhlavu lwenethi lengagoceka yakhe ikhoni. _____

Bhala luhlavu lwenethi lengagoceka yakhe umbhoshongo (isilinda). _____

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Lusuku:

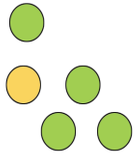
Kabanti ngemafrakishini

Shano emafrakishini.

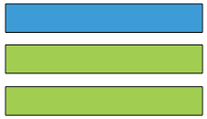
Bhala ifrakishini yaletitfombe ngentasi.



a. Yifrakishini lenganani lokulingangane? ___



b. Yifrakishini lenganani lokuluhlata? ___



c. Yifrakishini lenganani lokulingangane? ___



d. Yifrakishini lenganani lokumtfubi? ___

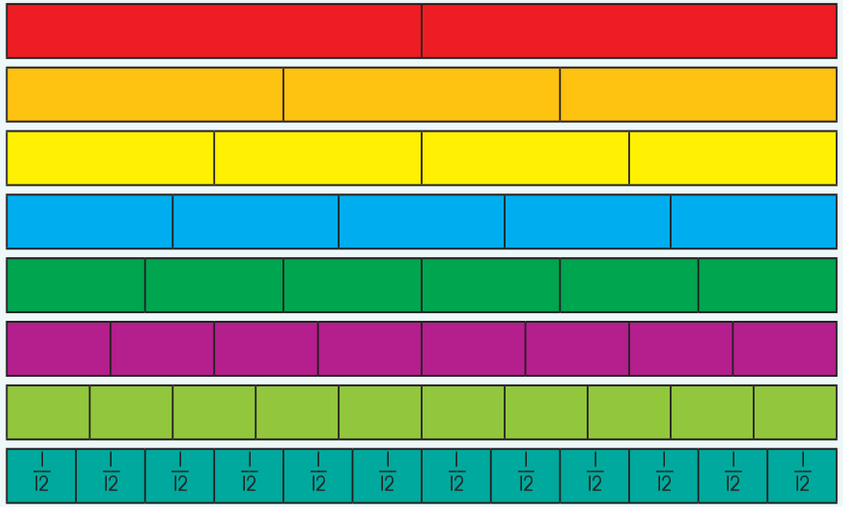
Phendvula imibuto.

a. Sizwe unetincetu letine teshokholethi. Uniketa umngani wakhe lucetu lunye.
Yifrakishini lenganani yemashokholethi lesele kuye? _____

b. Yasmin unema-orintji lamabili. Ugiyela Ana linye.
Yifrakishini lenganani lesele kuye? _____

c. Mary utsenga 5 tibhelekeca temashokholethi. Utibekela si-1, upha Mohamed ti-2, bese letinye leti-2 upha umnakabo. Yifrakishini lenganani Mary latibekela yona? _____

Ludvonga lwemafrakishini.

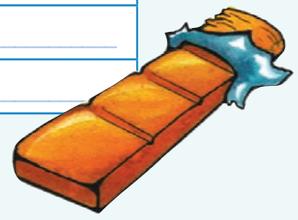


Luhele ngalunye lwehlukaniswe lwaba tincenye letilinganako. Luhele loluphansi ekugcineni lwehlukaniswe lwaba boncenye-shuminambili ($\frac{1}{12}$).
Bhala ifrakishini lengiyo kulawa lamanye emahele.

Sebentisa irula yakho noma umphetfo locondzile weliphepha kutfola kutsi ngumaphi emafrakishini lalinganako, nekukusita uphendvule lemibuto..

Eludvongeni lwemafrakishini, tfola tonkhe tindlela letehlukene tekwenta loku:

a. ihhafu yinye $\frac{1}{2}$	
b. kunye lokugcwele (1)	
c. emakota lamatsatfu $\frac{3}{4}$	



Hlolisisa!
Catsanisa!
Lungisa!

Teacher:
Sign:
Date:

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

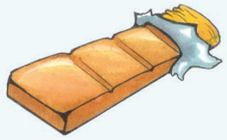
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Lusuku: .....

126 Asichubeke ngekukubutsisa nekwaba



Kubala ngesivinini.



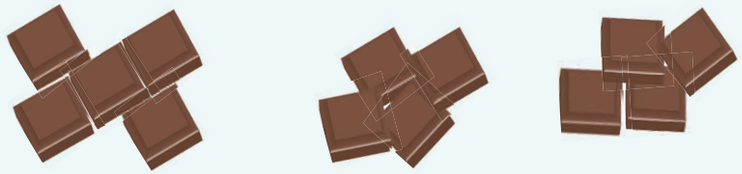
Funa tichumaniso.

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



Yaba kahle lokusele.

Jabu naLebo bafuna kwaba 13 wetincetu teshokholethi. Tingakhi tincetu letitfolwa ngumuntfu ngamunye?



Bangakhona kwaba kuphela 12 wetikwele letigcwele, batfola sitfupha amunye. Lolucetu lolusele bagamulelana ihhafu, ngako-ke amunye una $6\frac{1}{2}$ wetincetu.



a. Ephathini 25 wemicu yemaswidi-shukela yabiwa emkhatsini wa 10 webantfwana.
Yaba kahle ngco! Dvweba titfombe kukusita.



Amunye utfola _____ imicu

b. Yaba 37 imicu emkhatsini wa 4 webantfwana.

Amunye utfola _____ imicu

c. Yaba 48 imicu emkhatsini wa 5 webantfwana.

Amunye utfola _____ imicu

d. Yaba 73 imicu emkhatsini wa 10 webantfwana.

Amunye utfola _____ imicu

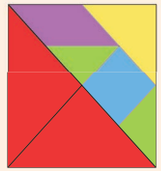
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Lusuku:

Emafrakishini ethenigremu

IThenigremu ngumdlalo mphico wasendvulo wesiShayina wakhiwe ngesi-7 sabobunjwa labasicabati, babitwa ngokutsi ngematheni, onkhe abekwa ndzawonye kwakha tinhlobo-nhlobo tabobunjwa.



Emafrakishini ngeThenigremu.

	Bukisisa imphica yeThenigremu. Yifrakishini lenganani yesikwele lesigcwele munye ngamunye walabocalantsatfu labakhulu lababli? (Bovu kulesitfombe.)	____
	Uma ugoba munye wabocalantsatfu labakhulu babe tincetu letimbili letilinganako, lucetu ngalunye luyalingana ngebukhulu nacalantsatfu lomkhudlwana nje (Mtfubi esitfombeni.). Yifrakishini lenganani yesikwele lesigcwele localantsatfu lomkhudlwana nje?	____
	Uma ugoba localantsatfu lomkhudlwana nje abe tincetu letimbili letilinganako, lucetu ngalunye luyalingana ngebukhulu nalabocalantsatfu lababili labancane. (Luhlata esitfombeni.) Yifrakishini lenganani yesikwele lesigcwele bocalantsatfu labancane ngamunye?	____
	Ungabeka babili bocalantsatfu labancane kanyekanye kwenta lesikwele lesincane. Yifrakishini lenganani yesikwele lesigcwele lesikwele lesincane (Lingangane esitfombeni)?	____
	Ungabeka babili bocalantsatfu labancane kanyekanye kwenta ipharalelogremu. Yifrakishini lenganani yesikwele lesigcwele lepharalelogremu?	____

Usebentisa iThenigremu.

Sika kahle emathenigremu lamabili eKhasini leKusikwa 12 ubhale esiceshini ngasinye lesinefrakishini yesikwele lesigcwele. (Laba bobunjwa bemaThenigremu bakucala.) Bhala ligama lakho ngemuva kwelucetu ngalunye, khona utokwati kutfola tincetu takakho futsi emva kwemdlalo.

Umdlalo wekwaba kahle emafrakishini.

Dlala na 4-8 webadlali usebentisa takakho tincetu tethenigremu

1. Badlali baniketana ematfuba ekubeni ngumshovi-phepha.
2. Umshovi-phepha uncuma kutsi yifrakishini lenganani yethenigremu legcwele umdlali ngamunye lokufute ayifake kukhithi.
3. Umdlali ngamunye uyacagela kutsi ngabe imali-buhhehlu itawuvela ngenhloko noma ngemsila, umshovi-phepha bese ujika buhhehlu.
4. Umshovi-phepha bese waba lokukukhithi ngekwetsembeka kulabo labacombelele kahle. (Angahle ahwebise ngalunye noma ngetulu tincetu kutfola letinye tincetu temandla lalinganako.)
5. Wonkhe umsalela longeke wabeke uhlala kukhithi umele ligema lelitako.
6. Bonkhe badlali bayahlolisisa kubona kutsi ngabe kwaba kwentiwe ngendlela yini.
7. Uma umdlali atfola liphutsa, umshovi-phepha ukhokha inhlawulo ya $\frac{1}{8}$ yesikwele lesigcwele kumdlali wekucala kutfola liphutsa.
8. Umdlali lote tincetu angatsatsa yonkhe imisalela kukhithi.
9. Umdlalo uyachubeka ate umdlali ngamunye naye abe ngumshovi.



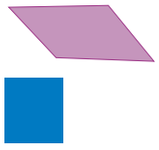
Wonkhewonkhe kufute afake ikota yinye yesethi yeThenigremu kukhithi.





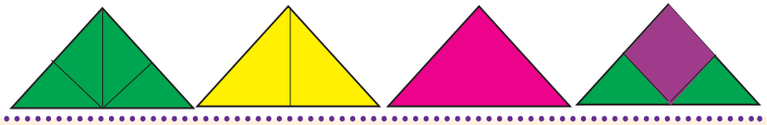


Ngitawufaka munye calantsatfu lomkhulu.



Boncenye-siphohlongo lababili balingana nancenye-ne munye. Ngingafaka lesikwele nalepharalelogremu.





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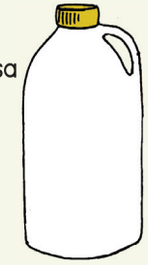
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Lusuku: .....

Kumeda umtsamo

Ithemu 4

1 Sebentisa kwekuphatsa lokulibhodlela lepulasitiki nenkomishi.



inkomishi (250 ml)



kwekuphatsa kwelitha yi-1

Tingakhi tinkomishi locabanga kutsi tingagcwalisa loku kwekuphatsa?

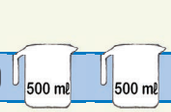
Akudzingeki kutsi ugagule ngemalitha noma emamililitha. Kuphela sebentisa emagama latsi 'inkomishi' na 'libhodlela'

2 Yenta ilitha.

Tfola indlela yekwenta ilitha usebentisa emanani lehlukene alokusamanti.

Bhala umusho-nombolo ngaleyo naleyo ndlela.

Ngemusho-nombolo: 500 ml + 500 ml = 1 000 ml (1 ℓ)







Ngemusho-nombolo _____ = 1 000 ml (1 ℓ)

Ngemusho-nombolo _____ = 1 000 ml (1 ℓ)

Ngemusho-nombolo _____ = 1 000 ml (1 ℓ)

Ngemusho-nombolo _____ = 1 000 ml (1 ℓ)

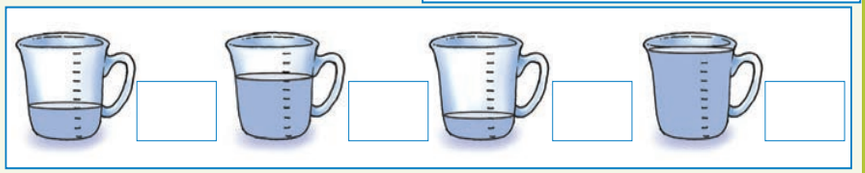
Uma sibhala timphawu temetrikhi, sishiya sikhala lesincane emkhatsini weluhlavu lwekugcina neluphawu. Nasi sibonelo sibhala 3ℓ g hhayi 3ℓ g; 299 g hhayi 299g; 15 km hhayi 15km.

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3 Yini litsamo lenkomishi yinye legcwele?

Lesipunu sigcwele kufika kumvinco wekucala.



4

Sikala emabinta lamancane nalokusamanati nemamililitha (ml).

Lenkomishi yekumeda yemutsi icuketse 10 ml, lokungemathispunu lamabili.

Sikala emabinta lamakhudlwana ngemalitha (ℓ).

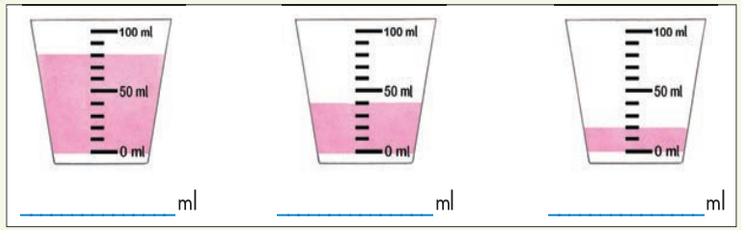
Ayinkhulungwane emamililitha elitheni.





5 Kunganani lokusamanti?

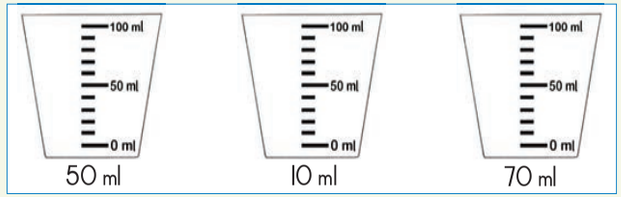
Mangakhi ema ml alokusamanti ejekeni ngalinye?



_____ ml _____ ml _____ ml

6 Kunganani lokusamanti?

Hlikihla lomutsi etinkomishini kukhombisa linani kuyinye ngayinye.



50 ml 10 ml 70 ml

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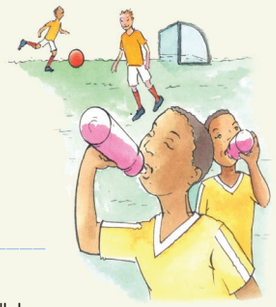
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Kala utsele

Emdlalweni

Ngesikhatsi sehhafu thayimi umdlali ngamunye unatsa $\frac{1}{4}$ welitha yejusi.



a. Bangakhi badlali labangabelana nga?

1 ilitha _____ 4 wemalitha _____ $2\frac{1}{2}$ wemalitha _____

b. Kudzingeka ijusi lenganani kwenetisa?

8 webadlali _____ 9 webadlali _____ 12 webadlali _____

Emalitha nemamililitha (ml).

1 ilitha = 1 000 ml $\frac{1}{2}$ welitha = _____ ml $\frac{1}{4}$ welitha = _____ ml

125 ml = _____ welitha 50 ml= _____ we ilitha

Yenta ihhafu yelilitha.

Klwibhita (✓) lamanani lama 3 lakatsi nakatihlanganisiwe afike kuhhafu yelilitha.

120 ml	140 ml	160 ml	28 ml	240 ml
				

Lubisi lukulungene!

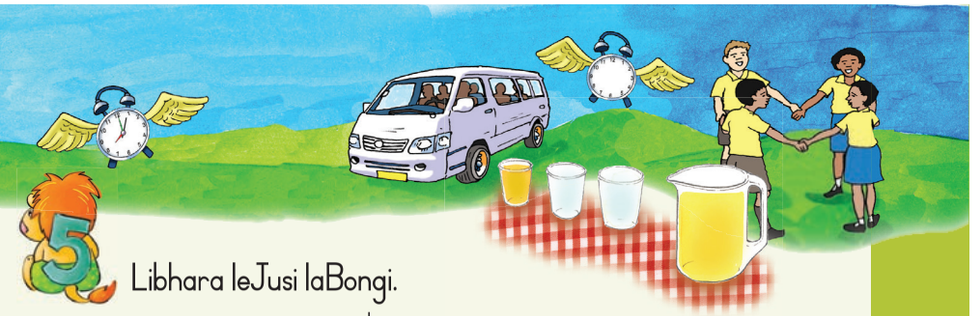
Yaba 4 wemalitha elubisi emkhatsini wa:

a. 8 webantfwana Umntfwana ngamunye utfola _____ wemalitha

b. 16 webantfwana Umntfwana ngamunye utfola _____ wemalitha

c. 12 webantfwana Umntfwana ngamunye utfola _____ wemalitha





Libhara leJusi laBongi.

Ejekeni li 1, Bongi usebentisa ikota yinye ($\frac{1}{4}$) yenkomishi yejusi netinkhomishi leti 2 temanti.

Tfola kutsi usebentisa ijusi nemanti langanani Bongi emajekeni lasi 5 ejusi.

Emajeke	1	2	3	4	5
Tinkomishi tejusi	Ikota yinye ($\frac{1}{4}$)				
Tinkomishi temanti	2				

Yenta ilitha.

 50 ml	 100 ml	 200 ml	 250 ml	 500 ml

Udzinga tingakhi tintfo tekuphatsa ngayinye kwenta ilitha?

a. _____ × 100 ml b. _____ × 200 ml c. _____ × 250 ml

e. _____ × 500 ml f. _____ × 50 ml

Ngemuva kwephathi.





Iphathi yaThandi seyengcile. Kunekwekunatsa lokusele.

Inganani ijusi lemtfubi lesele? _____

Inganani ijusi lesamsobo lesele? _____

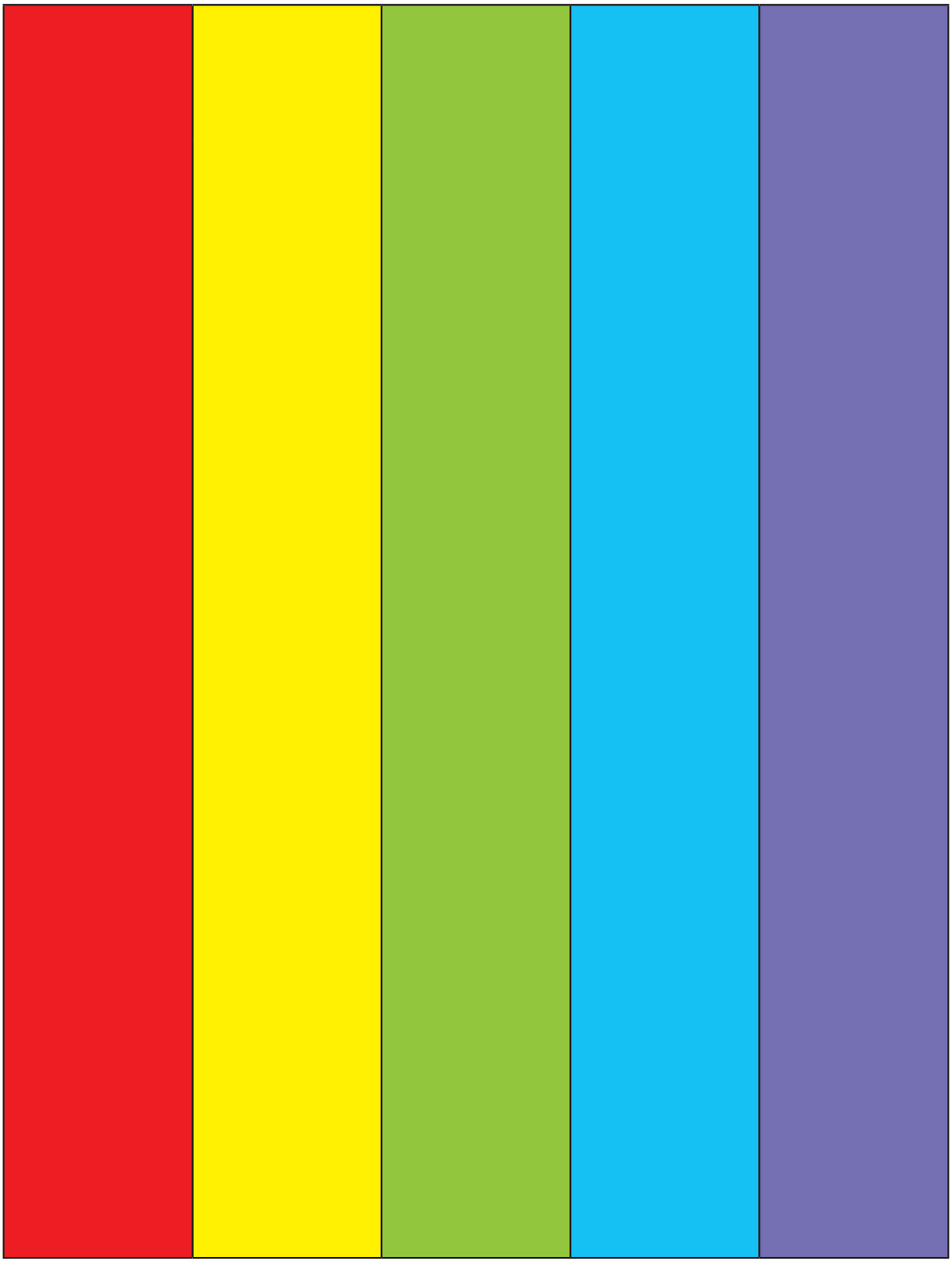
Thandi udidiyela tinhlobo totimbili tejusi ndzawonye.

Mangakhi emajeke langawagcwalisa? _____

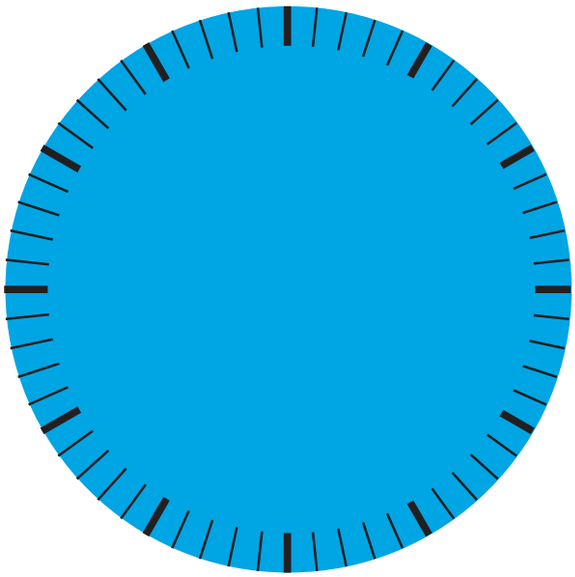
Hlola!
Catsanisa!
Lungisa!

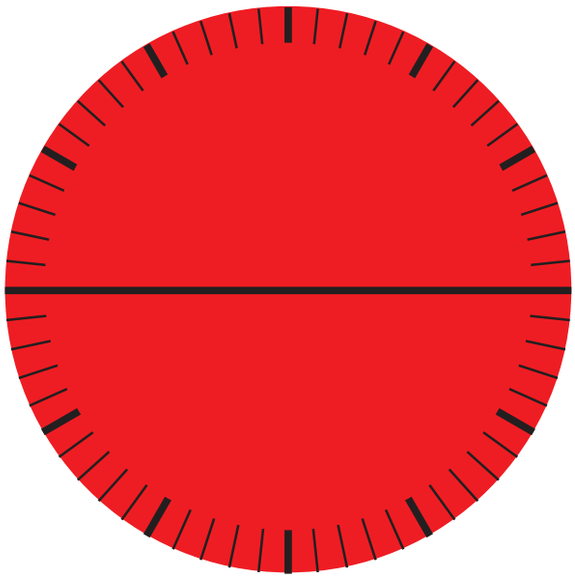
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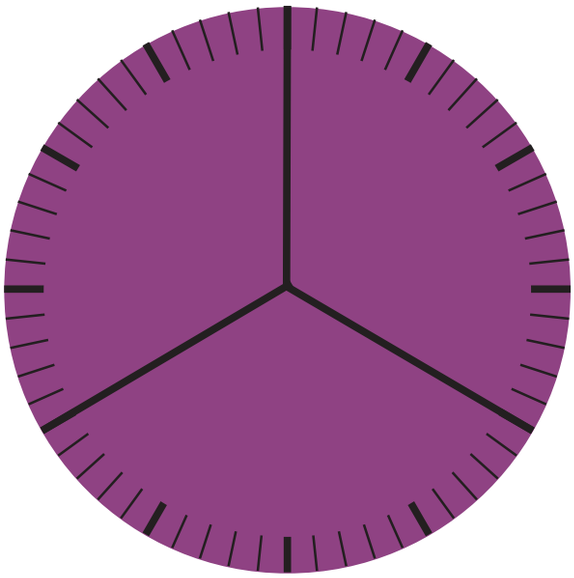
Kwekusikwa 5

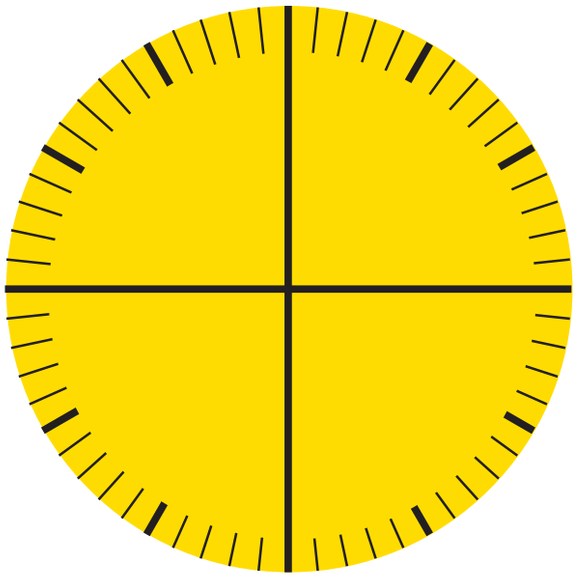


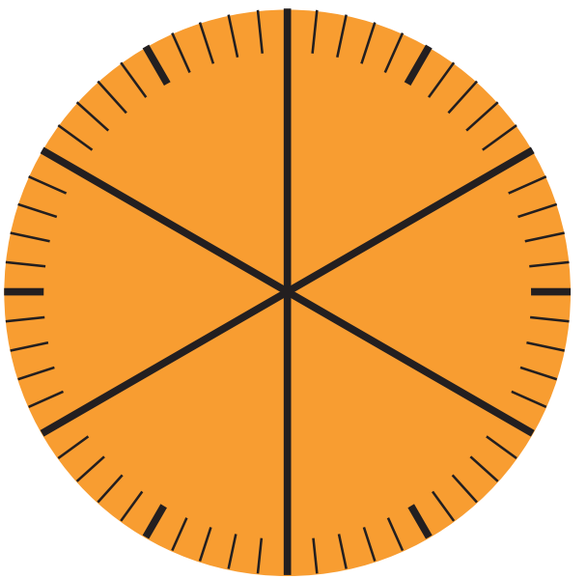
Kwekusikwa 6

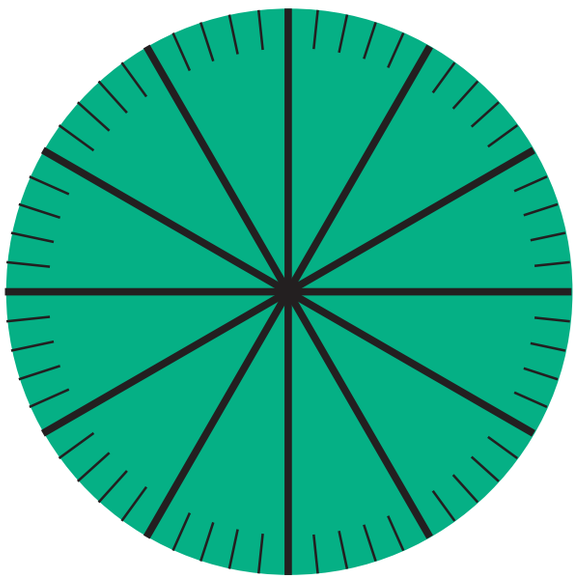




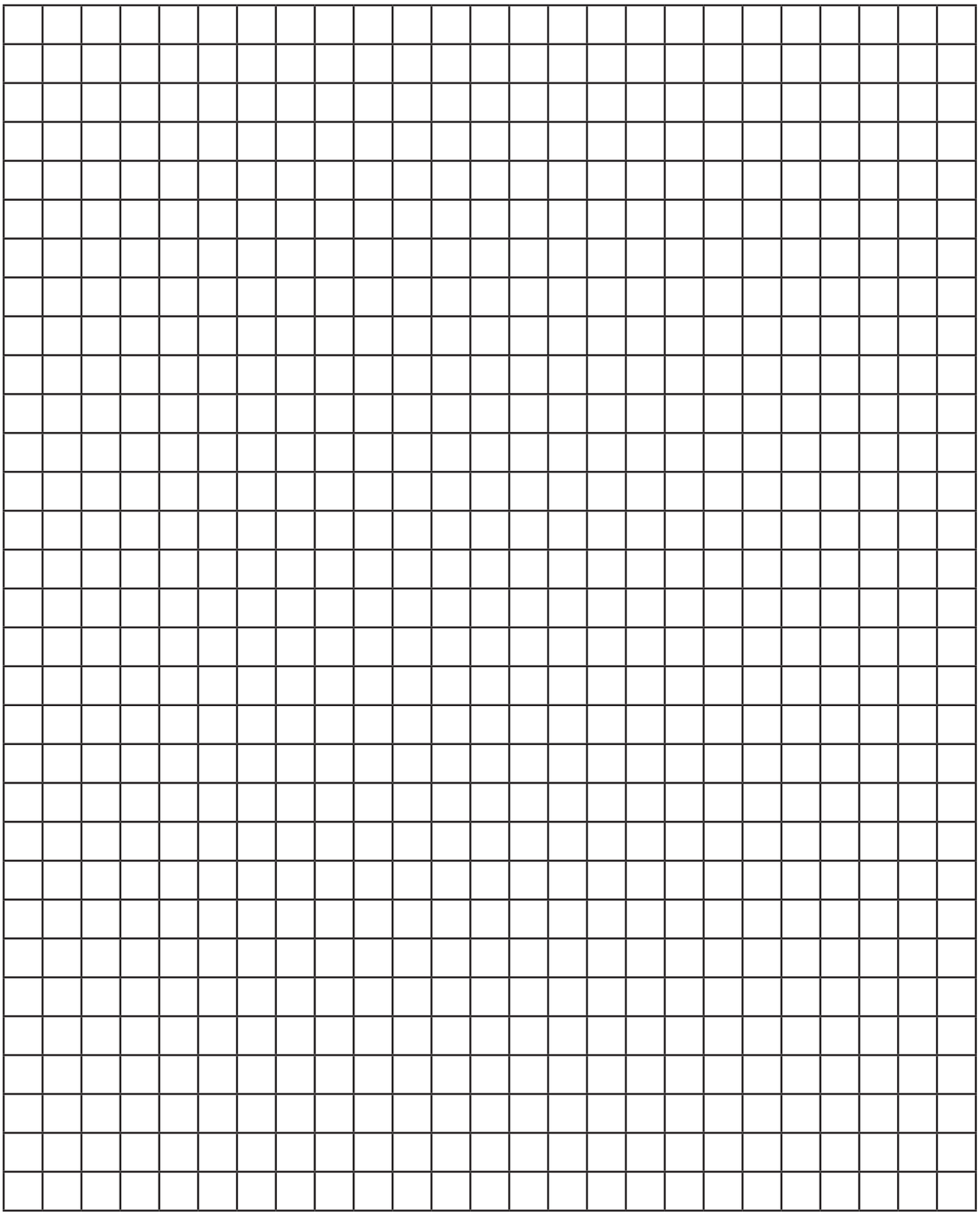




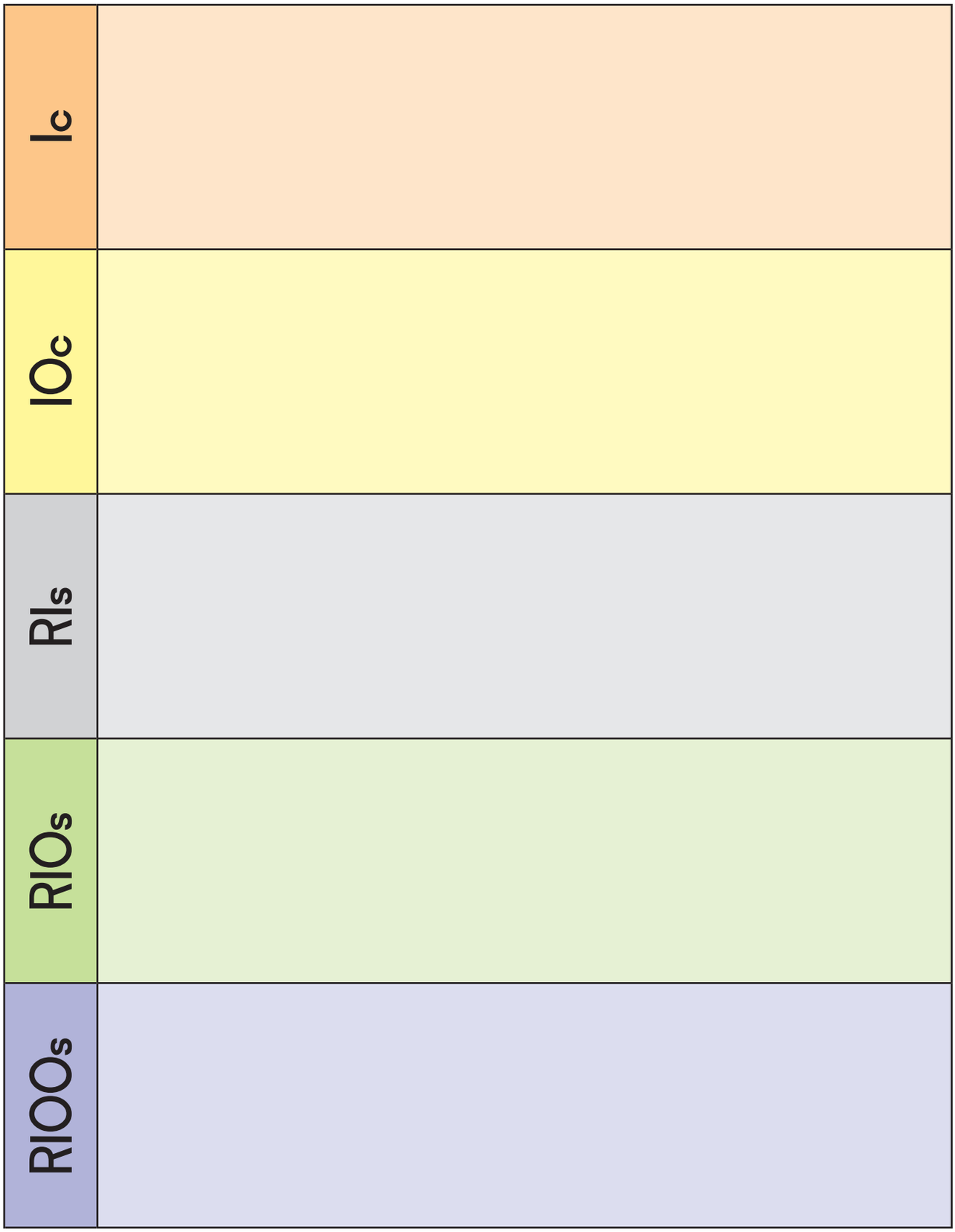




Kwekusikwa 7



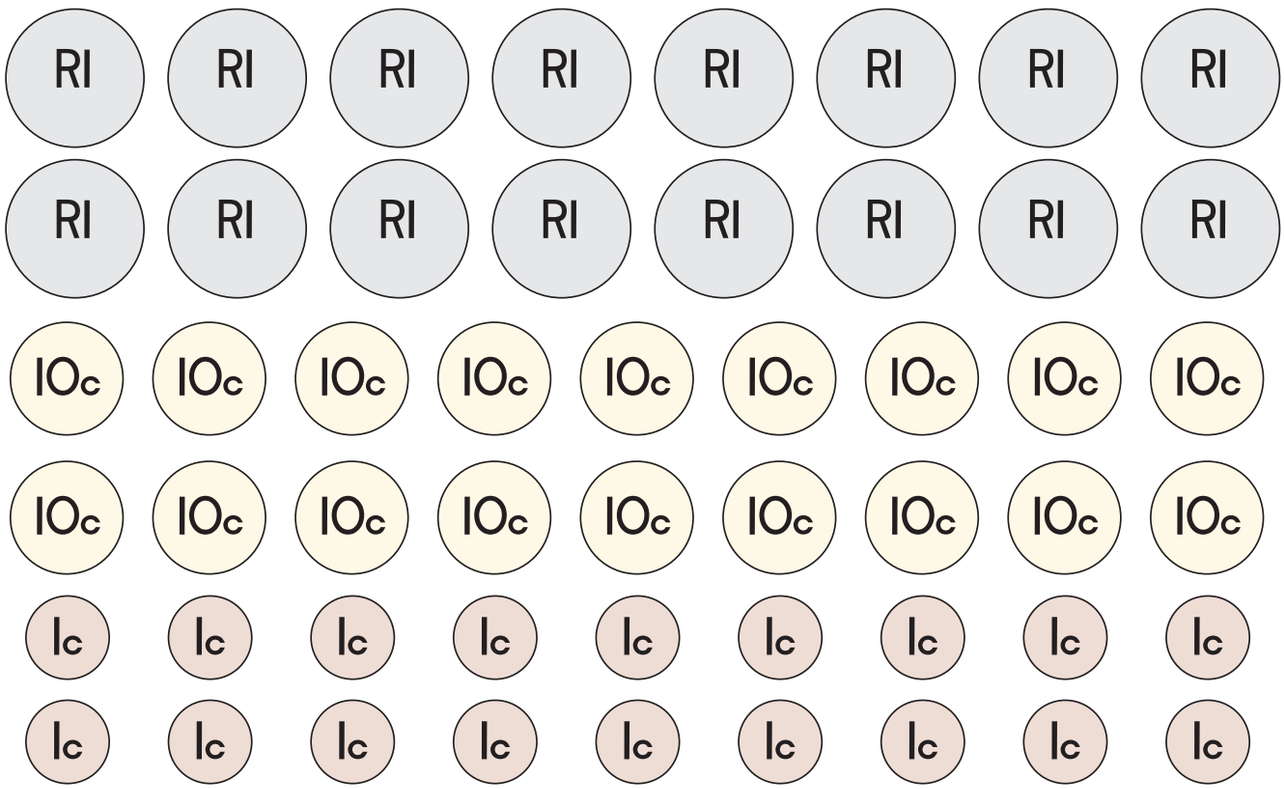
Kwekusikwa 8



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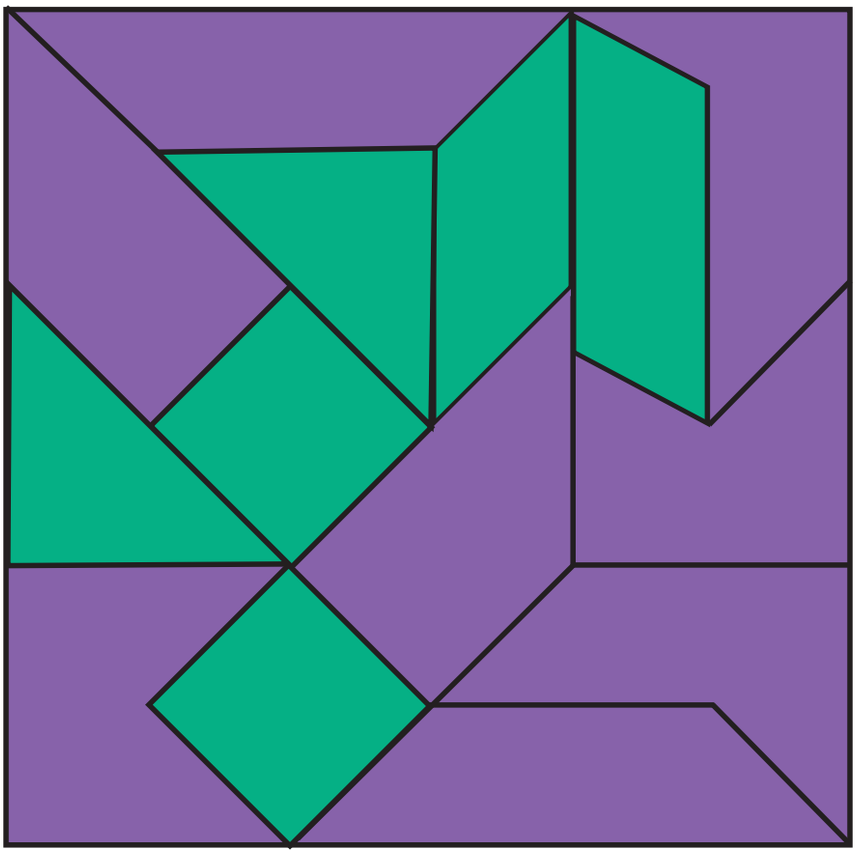
Kwekusikwa 9

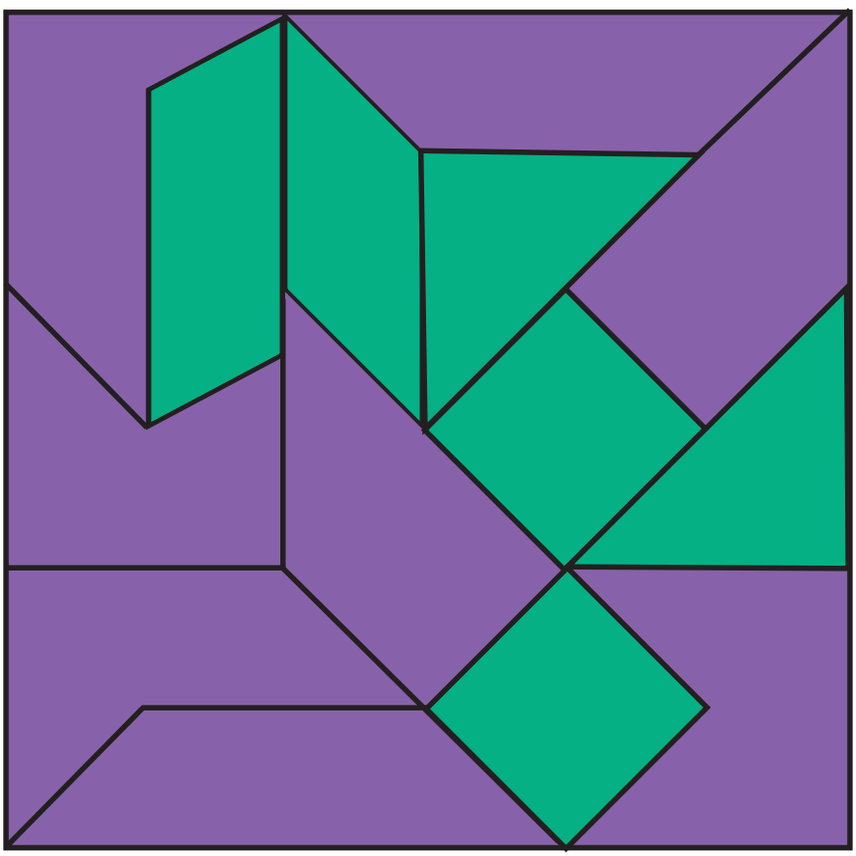
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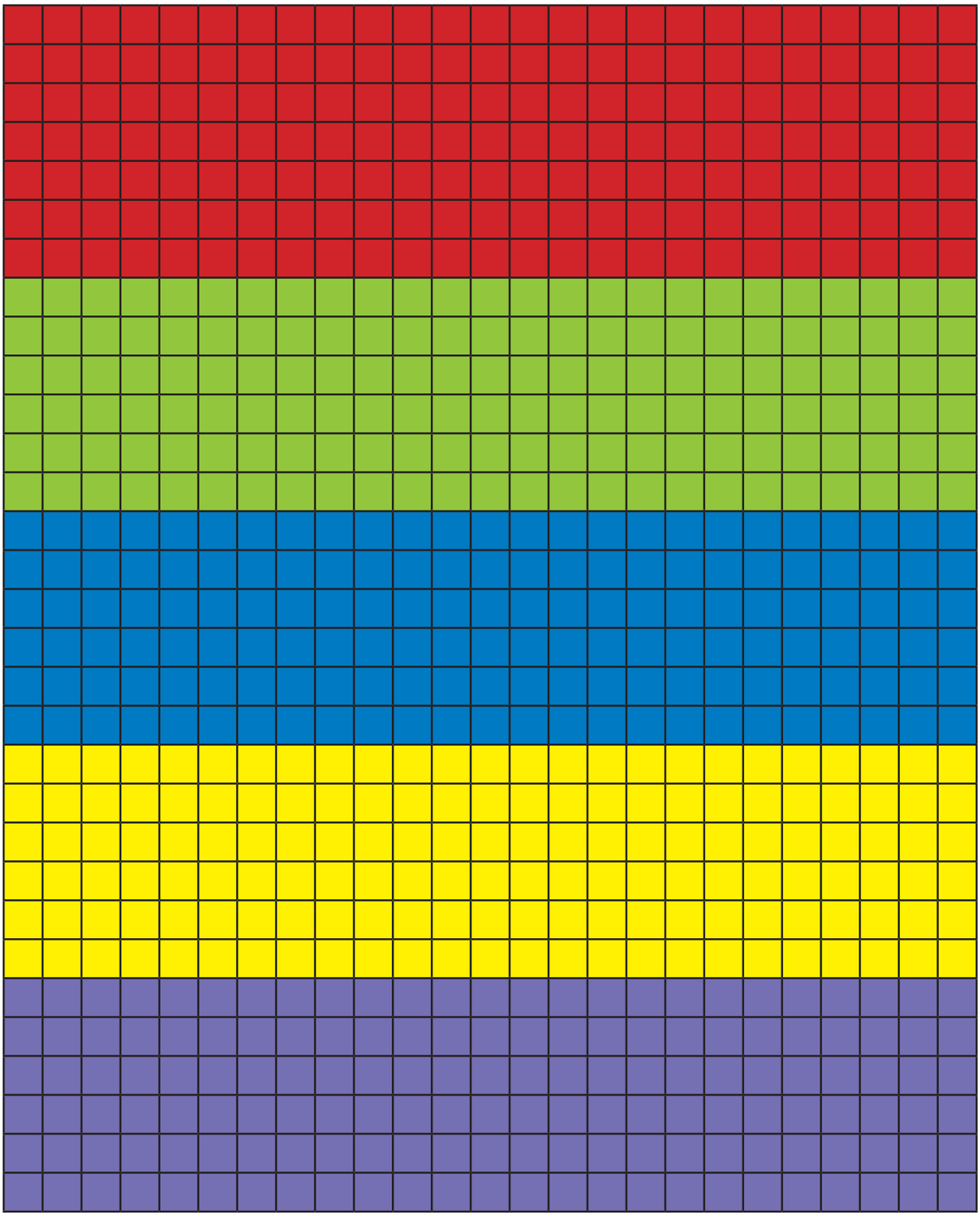
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Kwekusikwa 10



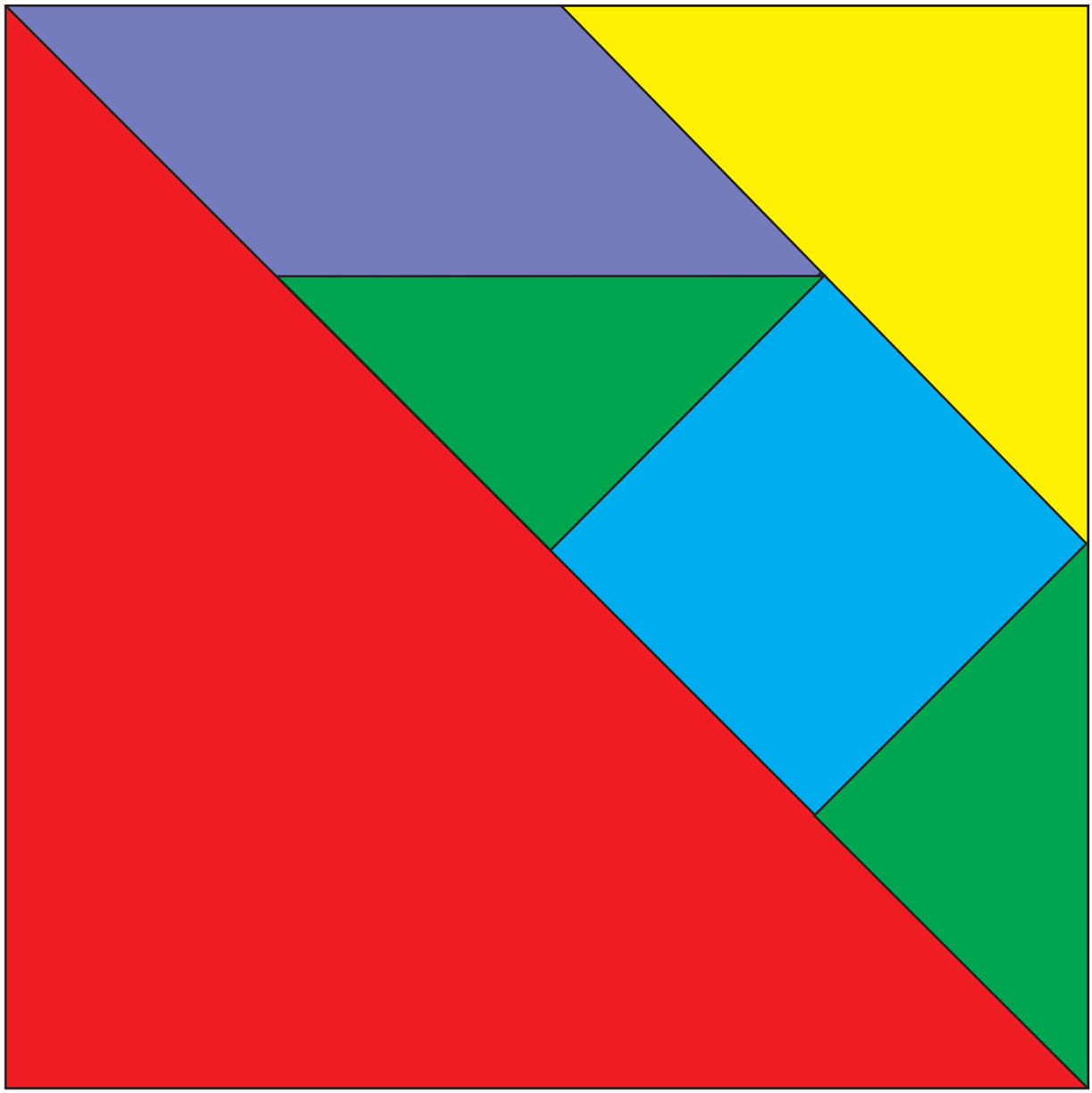


Cut-out II



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Cut-out 12



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