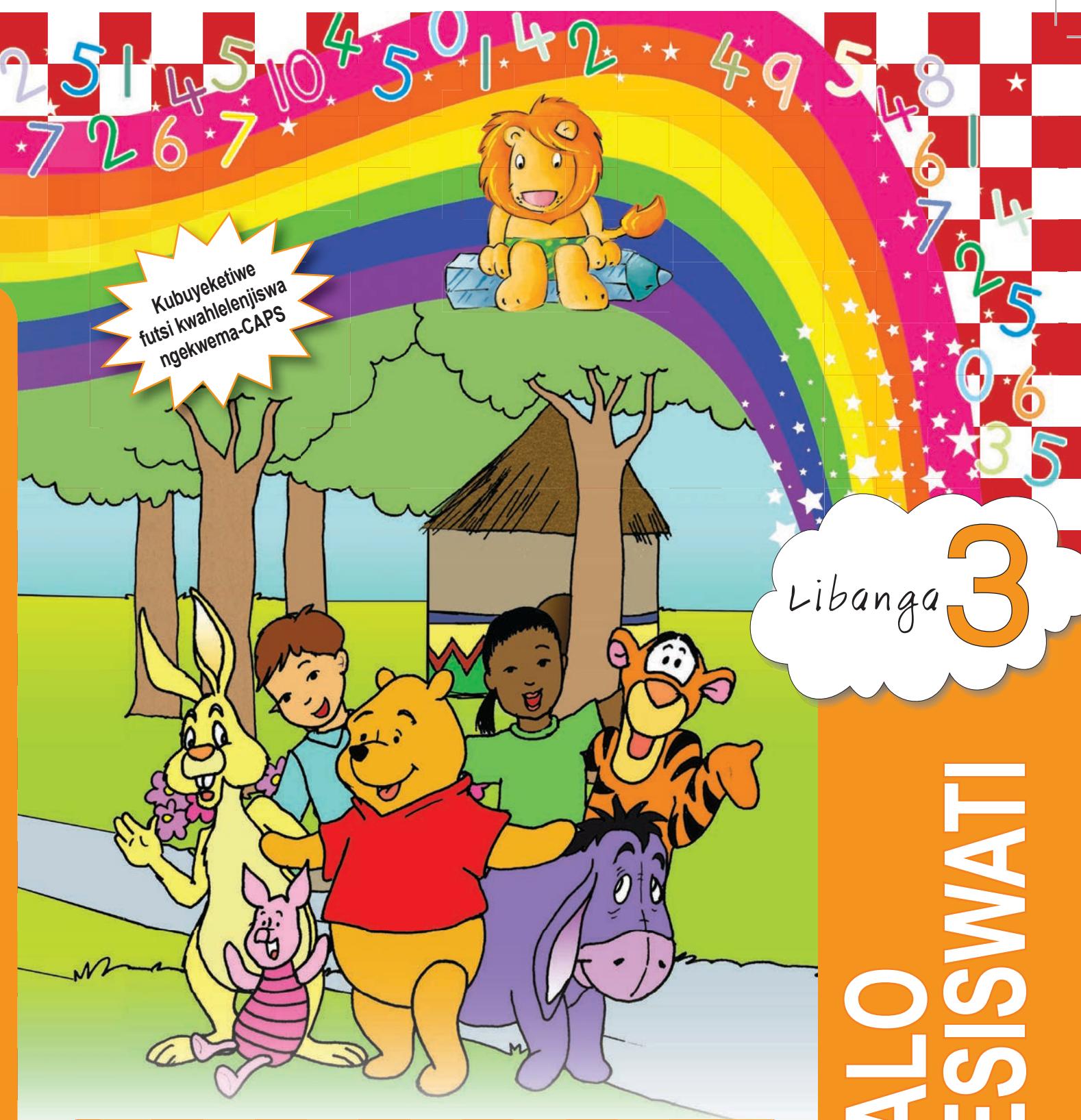


3

TIBALO NGESISWATI

Incwadzi 2
Emathemu
3 & 4



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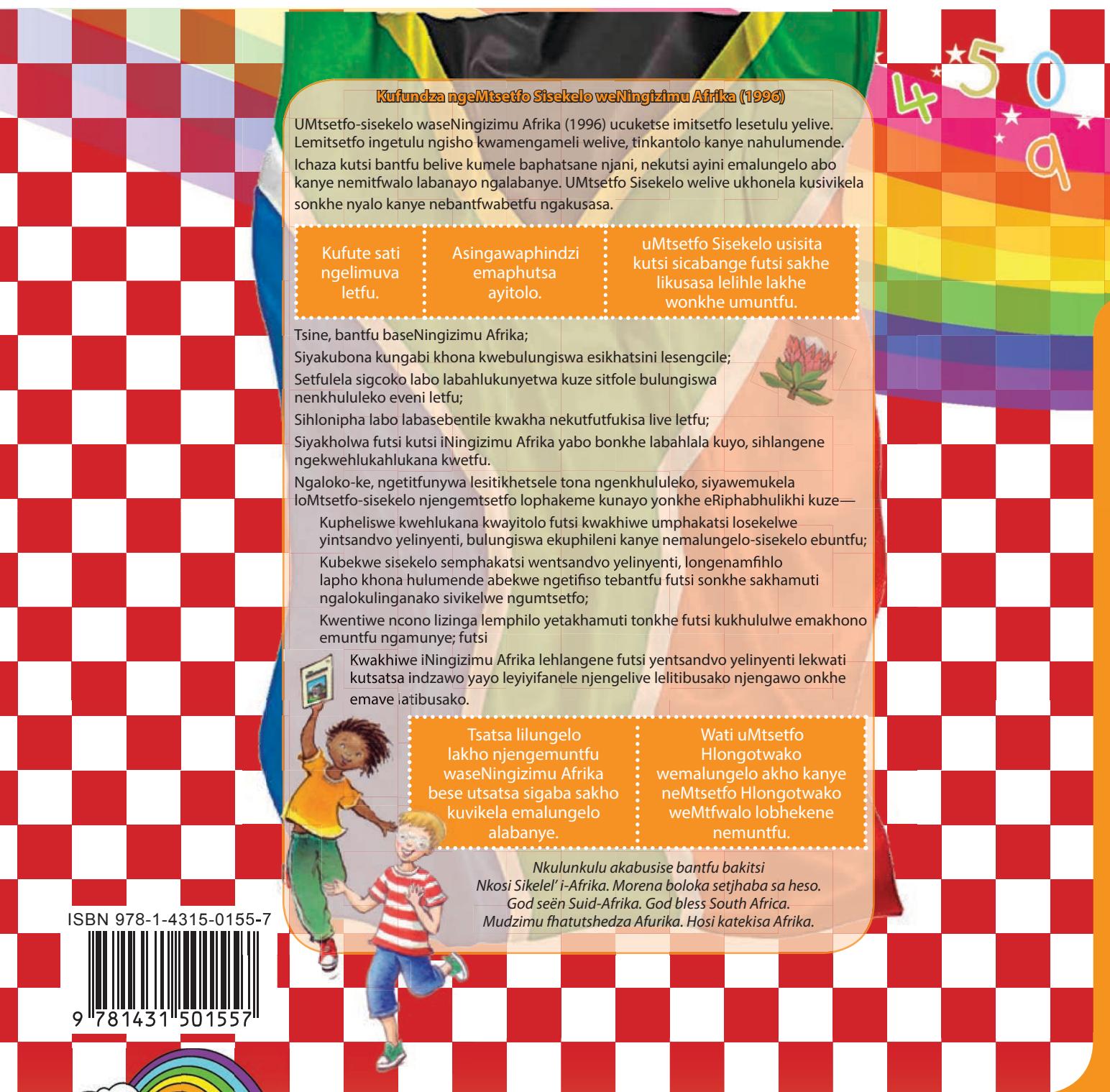


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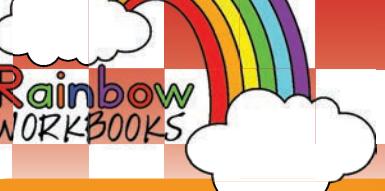
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9 781431 501557



TIBALO NGESISWATI – Libanga 3 Incwadzi 2

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	Kwekusikwa 10	



Nkhskt. Angie Motshekga,
iNdvuna yeMfundvo
yeSisekelo



UMnu. Enver Surty,
liphini leNdvuna yeMfundvo
yeSisekelo

Letincwadzi tekusebentela tikhicitelwe bantfwana baseNingizimu Afrika ngekuholwa yiNdvuna yeTemfundvo yeSisekelo. Nkhskt Angie Motshekga akanye neLiphini lakhe uMnu Enver Surty.

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

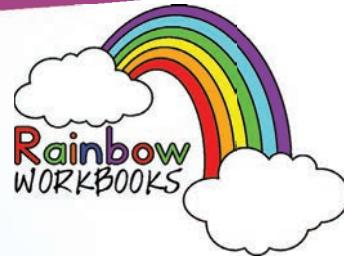
Siyetsema kutsi bothishela batatitfola tilusito kakhulu letincwadzi tekusebentela basafundzisa malanga onkhe kute bafundzi bakhone kucedza luhlelo lwabo lwekfundza. Setame, ngekucopehela lokukhulu, kusita thishela kuleyo naleyo ncenye yemsebenti, ngekusebentisa timphawu letitifombe kukhombisa umfundzi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

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

Sifisela bothishela nebafundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.



Libanga **3**



Lencwadzi ya:



SISWATI

Incwadzi

2

65

Tinombolo 500 kuya ku 600

Lusuku:

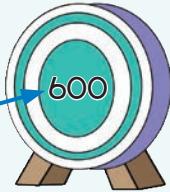
Ithemu 3



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.

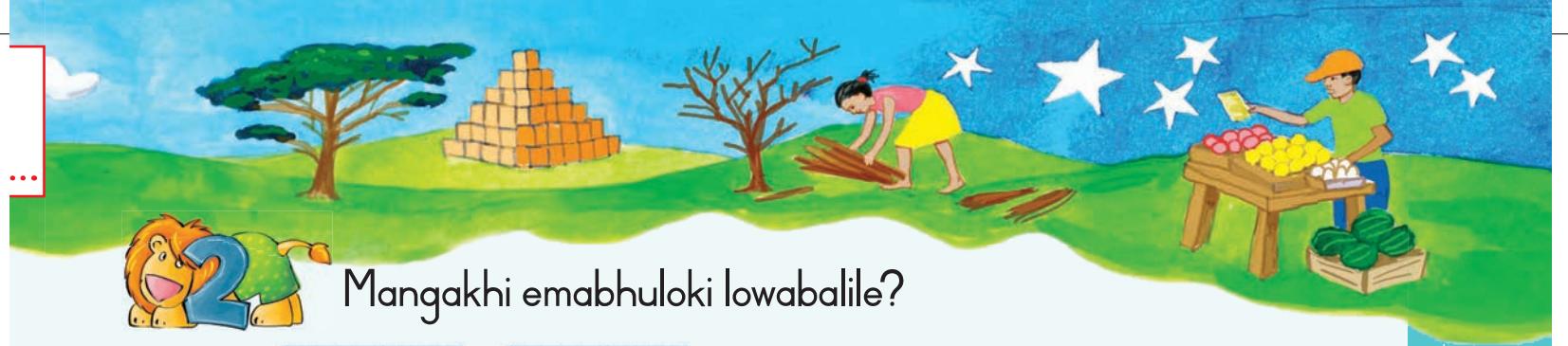
510; 512; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

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

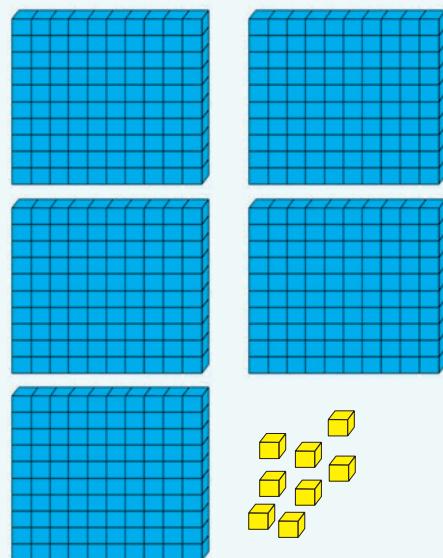
548; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 570

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

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



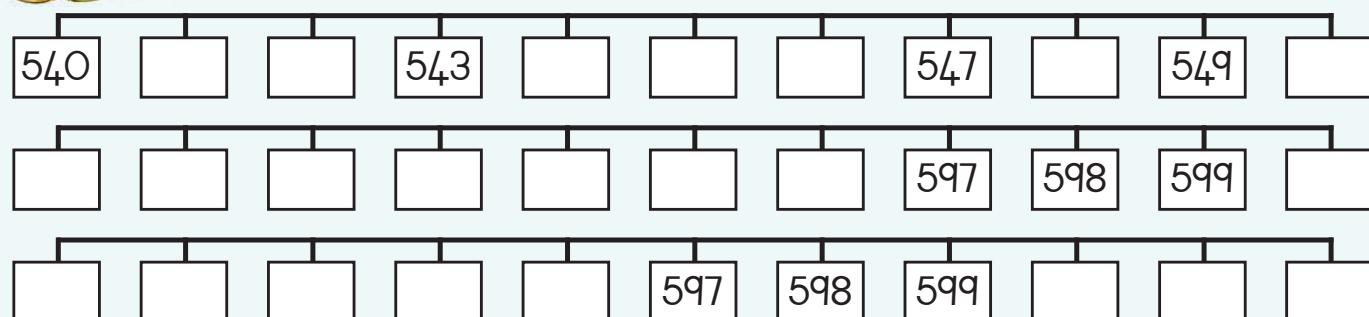
Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulencane
kakhulu kuye kulenkhulukati.

Bhala kusuka kulenkhlukati
kuye kulencane kakhulu.

582, 586, 584, 581, 585

566, 506, 560, 516, 506



Bhala lokulandzelako ngemagama.

520



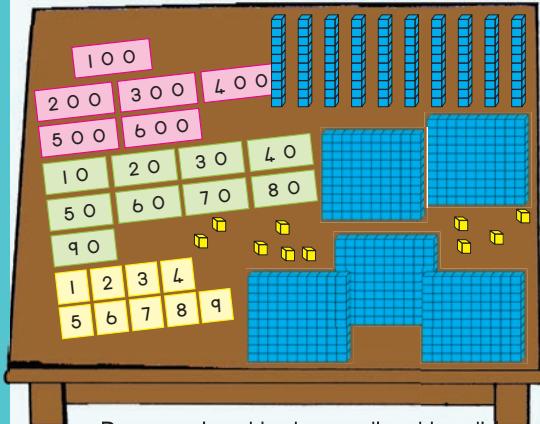
11 12 13 14 15 16 17 18 19 20

66

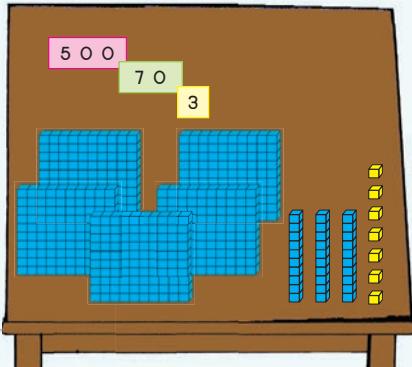
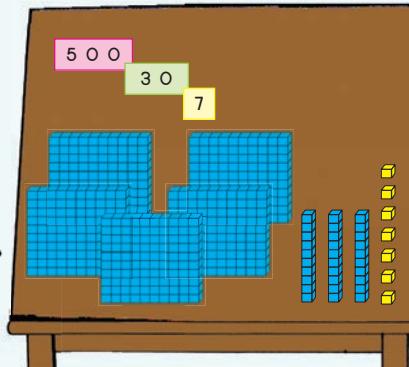
Sichubeka ngetinombolo 500 kuya ku 600

Lusuku:

Ithemu 3



Peter unalamakhadi emandla-sikhundla
lalandzelako nemabhluloki-sisekelo
lalishumi.

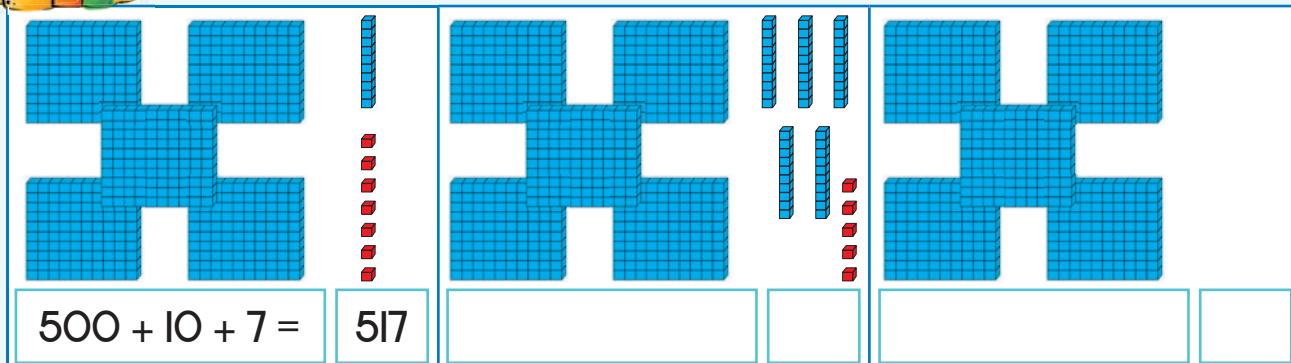


Thishela ucela Peter kutsi
akhombise 537 ngemakhadi
akhe nangemabhluloki.

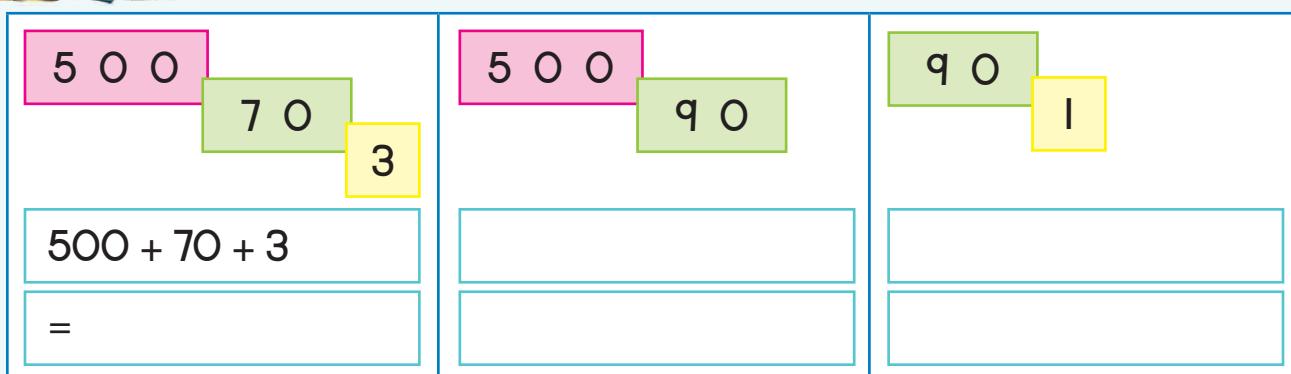
Naku lokukhonjiswe ngu-Aakar.
Yini langakayenti kahle?

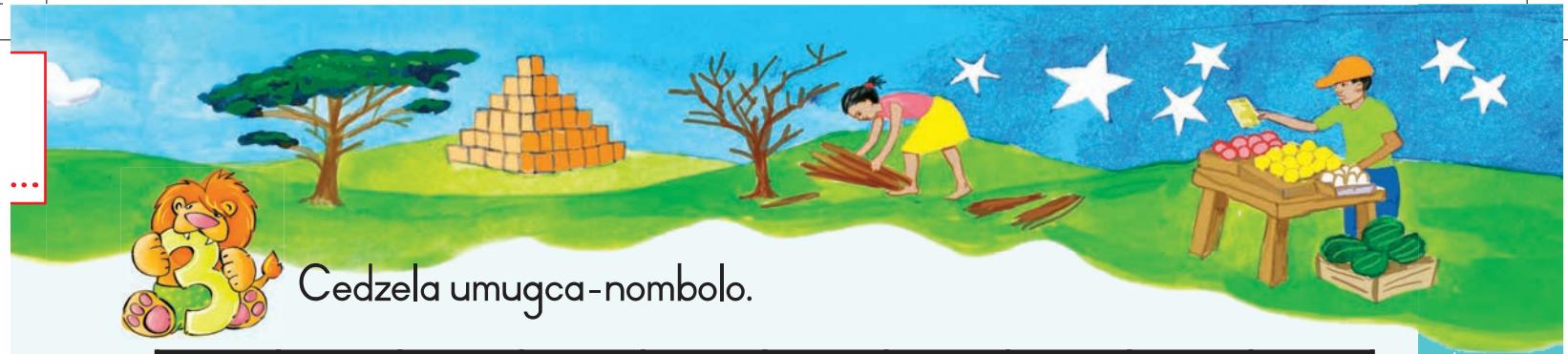


Bhala umusho-nombolo bese kulandzela imphendvulo.



Bhala umusho-nombolo bese kulandzela imphendvulo.





Cedzela umugca-nombolo.

550 551 552 560

Bhala tonkhe letinombolo letincane kuna 556.

Bhala tonkhe letinombolo letinkhulu kuna 556.



Vutfuta inombolo yakho.

- Yakha inombolo ngayinye ngemakhadi akho.
- Bhala emandla eluhlavu-nombolo ngalunye.

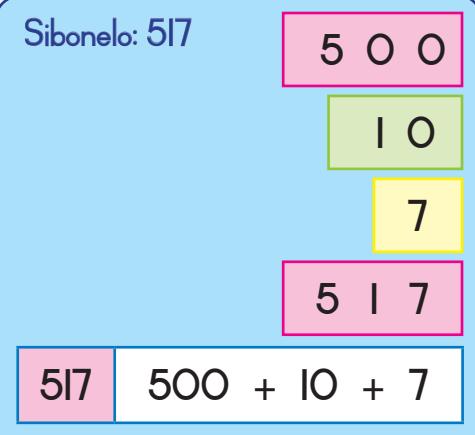
Kunetinhlavu-nombolo letilishumi.

0 1 2 3 4 5 6 7 8 9

Sitibeka ndzawonye kwenta tinombolo.

495	
508	
594	
549	
602	

Sibonelo: 517



Bhala tinombolo-magama.

221	
486	
369	
419	
491	



11 12 13 14 15 16 17 18 19 20

67

Lusuku:



Tinombolo 600 kuya ku 700

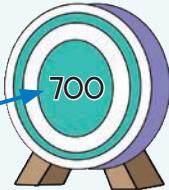
Ithemu 3



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.

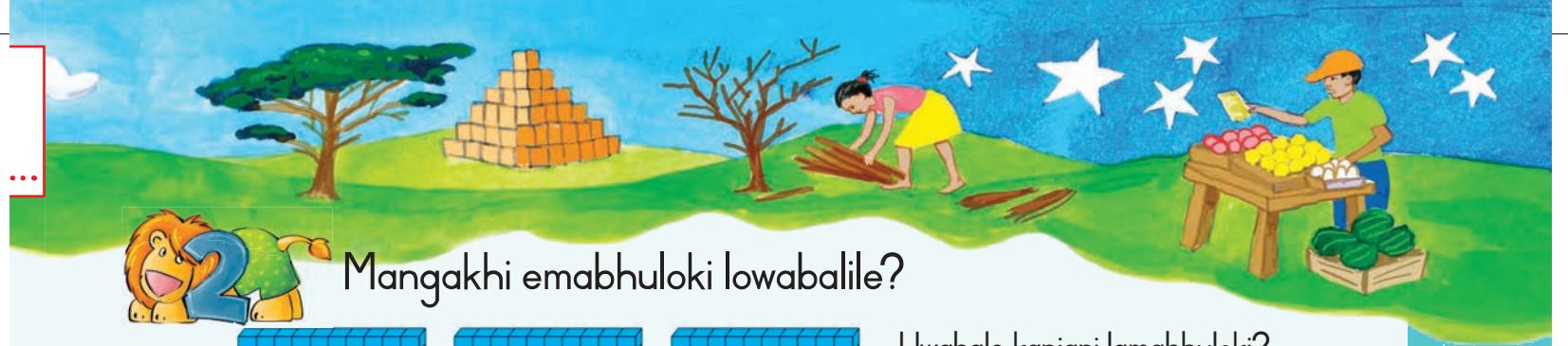
622; 624; 626; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____

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

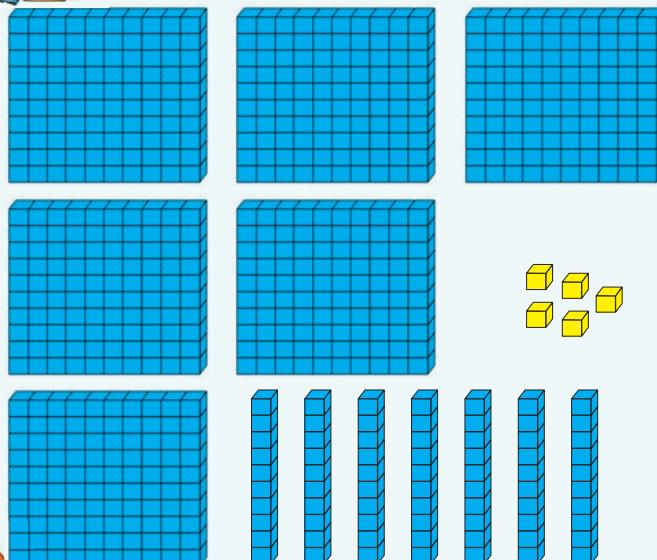
611; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 633 _____

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

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



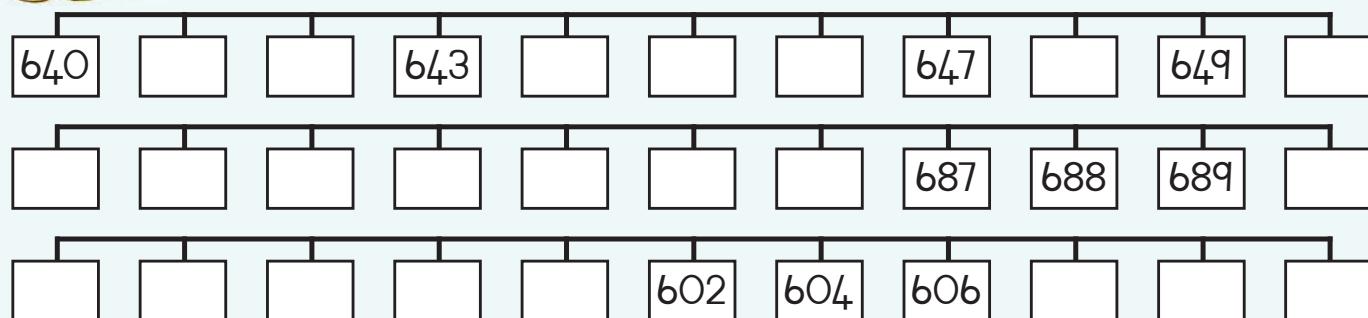
Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulencane
kakhulu kuye kulenkhulukati.

Bhala kusuka kulenkhulukati
kuye kulencane kakhulu.

672, 676, 674, 671, 675

656, 605, 650, 615, 605



Bhala lokulandzelako ngemagama.

631

11 12 13 14 15 16 17 18 19 20

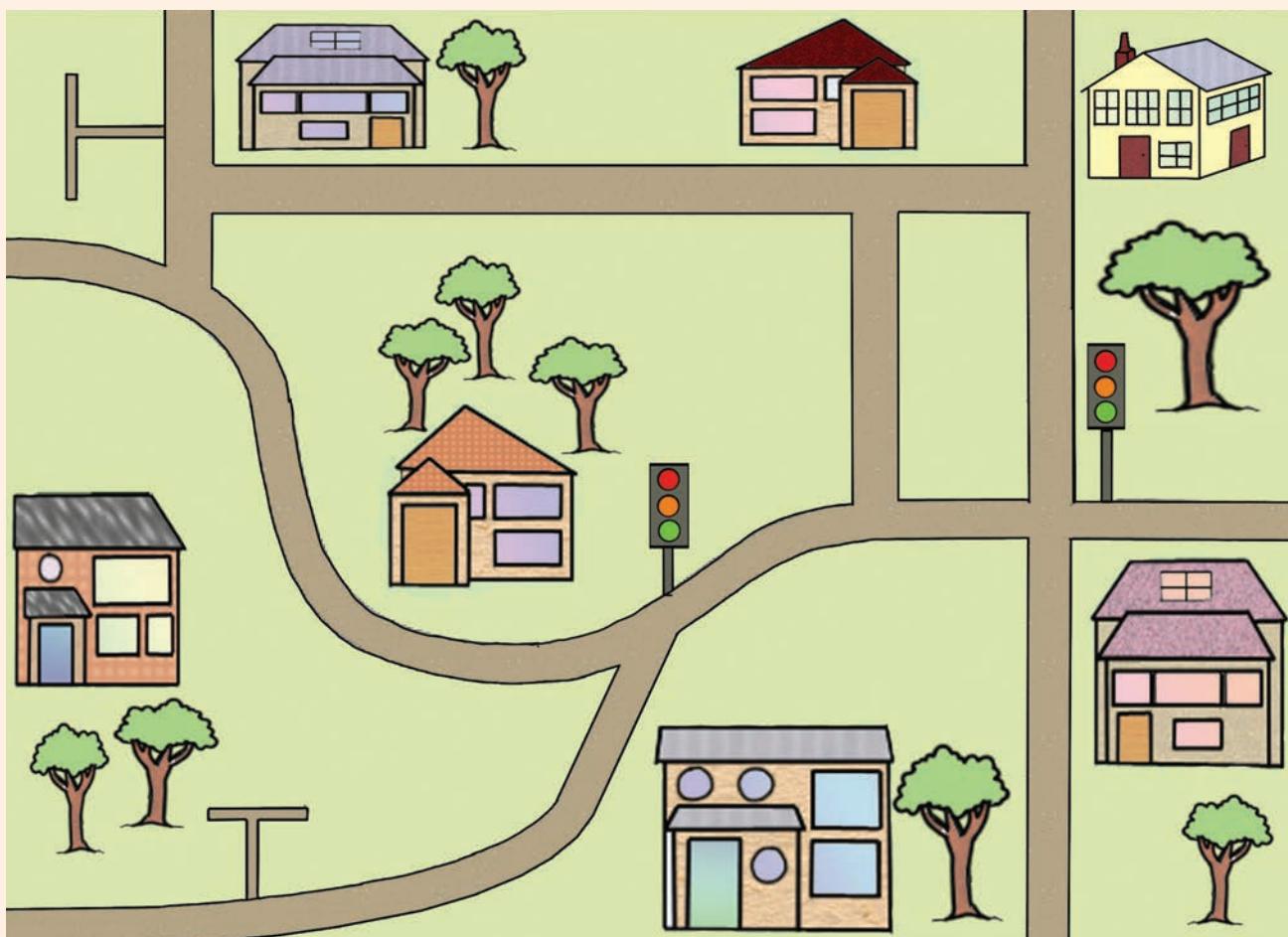


Lusuku:

Umsebenti welibalave

Buka lesitfombe.

- Kuyini loku?
- Sikusebentiselani?
- Singatfolani kubalave?



Dvweba lokulandzelako kulibalave:

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



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.



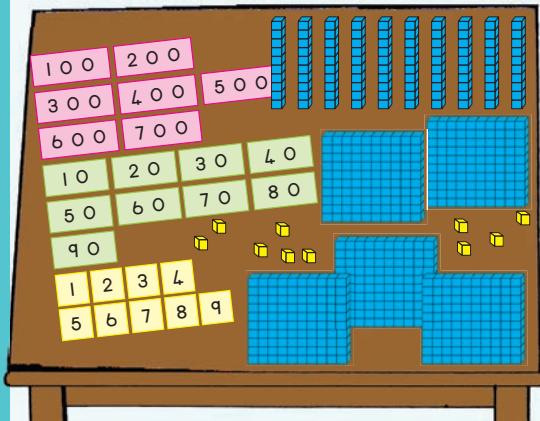
11 12 13 14 15 16 17 18 19 20

69

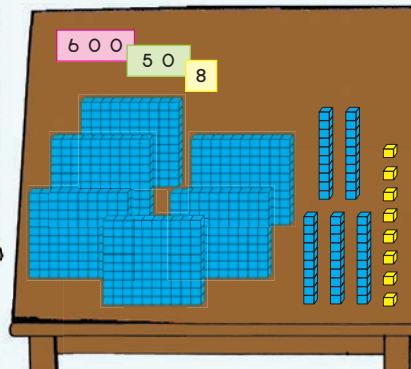
Siyachubeka

ngetinombolo 600 kuya ku 700

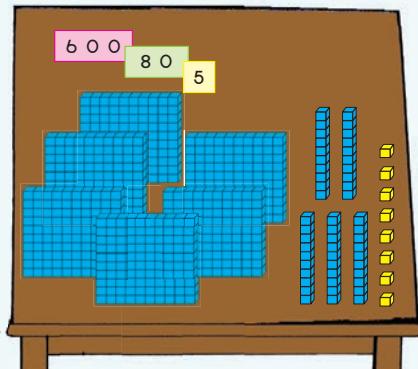
Ithemu 3



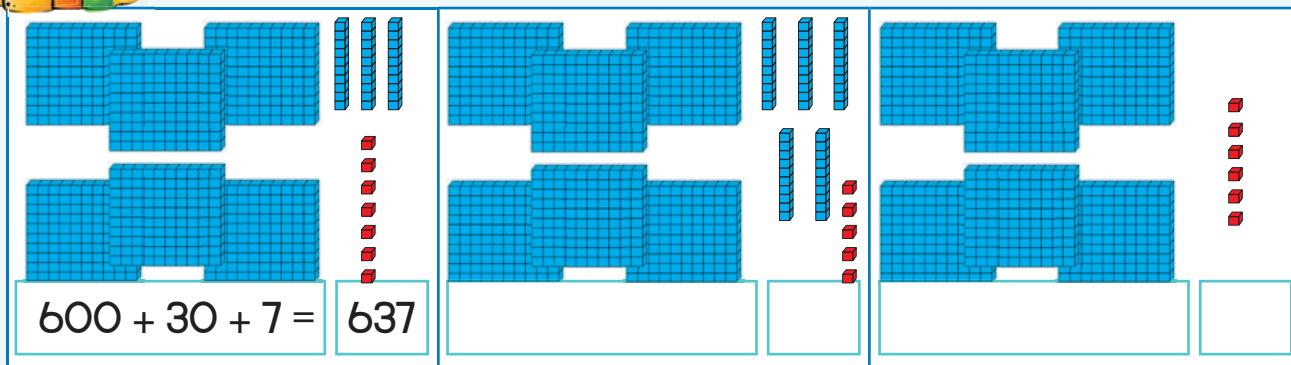
Peter unalamakhadi emandla-sikhundla lalandzelako nemabholoki-sisekelo lalishumi.



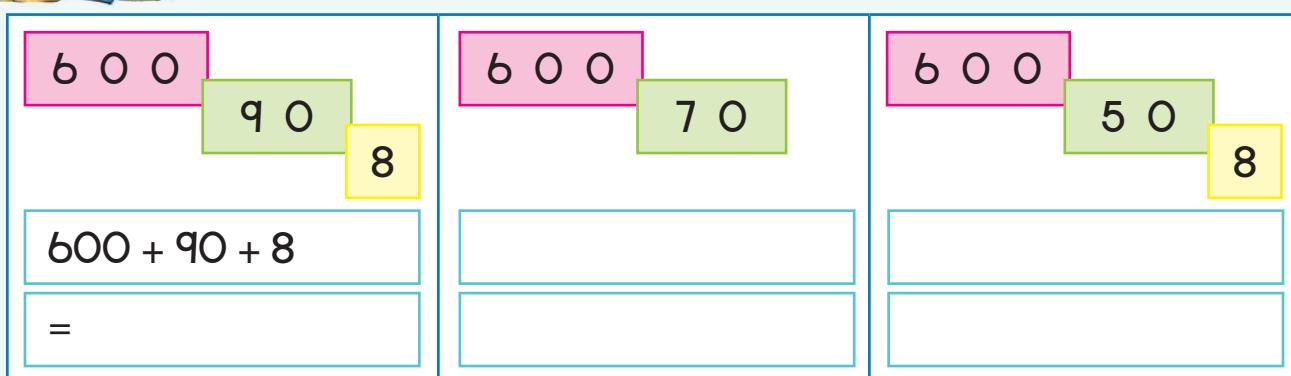
Naku Andile lakukhombisile.
Yini langakayenti kahle?

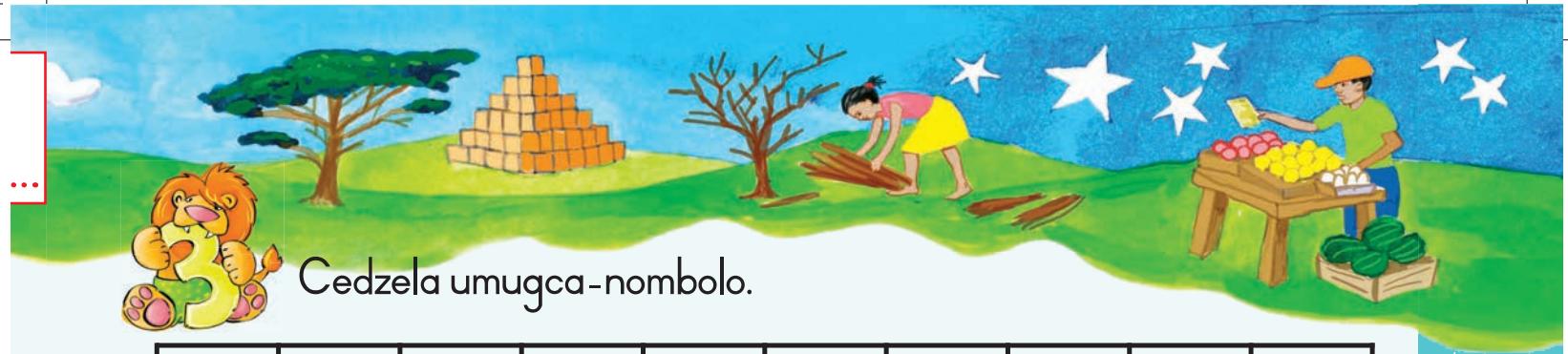


Bhala umusho-nombolo bese kulandzela imphendvulo.



Bhala umusho-nombolo bese kulandzela imphendvulo.





Cedzela umugca-nombolo.

670 671 672 680

Ngibhalele tonkhe letinombolo letincane kuna 675.

Ngibhalele tonkhe letinombolo letinkhulu kuna 675.



Gcwalisa nga <, > noma =

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

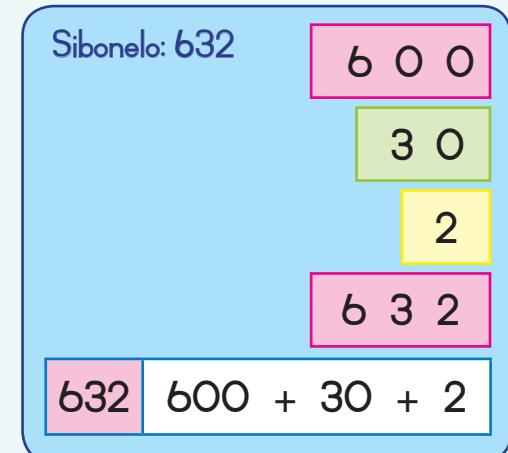


Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

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

686	
690	
699	
673	
665	



Bhala tinombolo-magama.

672	
693	
607	
697	
660	



11 12 13 14 15 16 17 18 19 20



Ithemu 3



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.

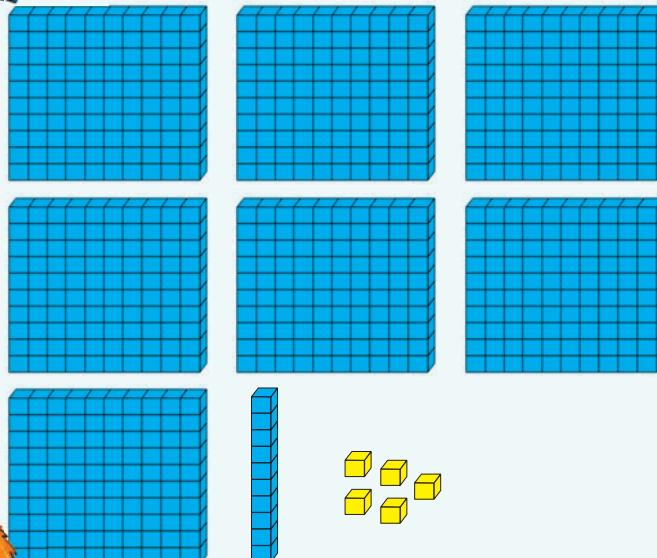
719; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 749

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

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



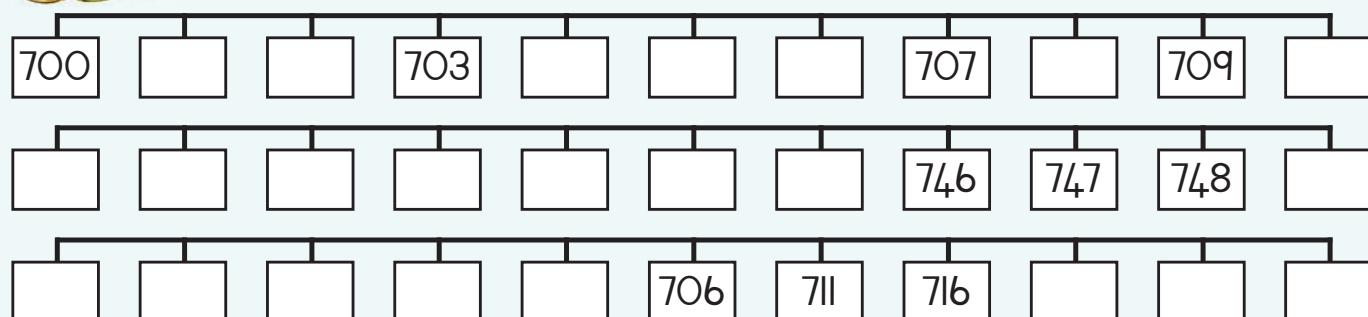
Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulencane
kakhulu kuye kulenkhulukati.

Bhala kusuka kulenkhlukati
kuye kulencane kakhulu.

729, 720, 728, 721, 725		
659, 705, 607, 701, 706		



Bhala lokulandzelako ngemagama.

706

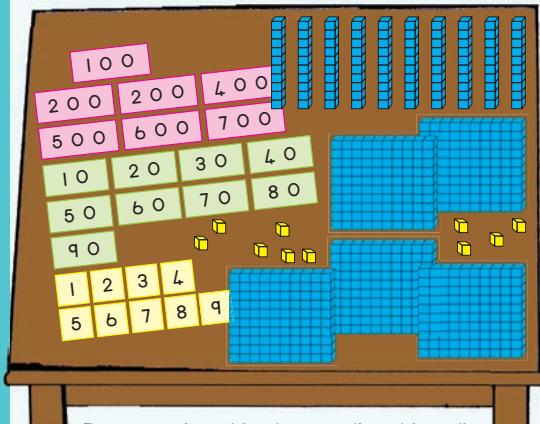
11 12 13 14 15 16 17 18 19 20

71

Lusuku:

Tinombolo 700 kuya ku 750

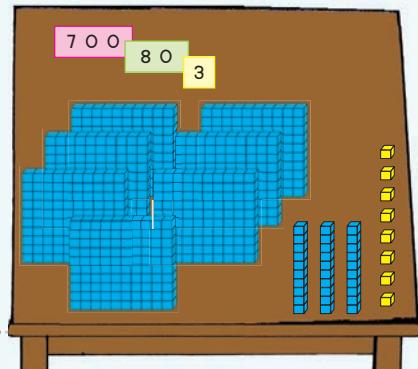
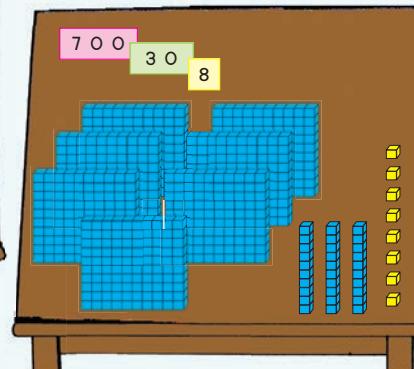
Ithemu 3



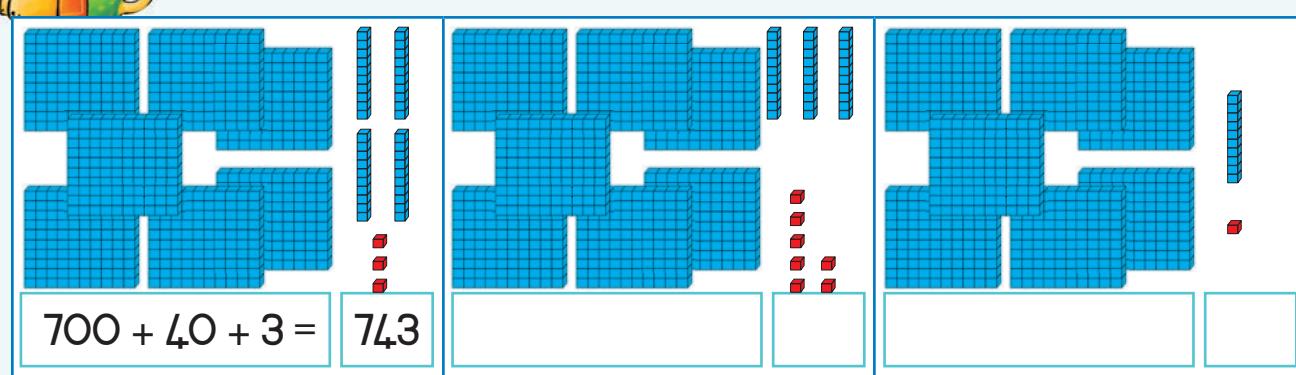
Peter unalamakhadi emandla-sikhundla
lalandzelako nemabhaluki-sisekelo
lalishumi.

Thishela ucela Peter kutsi
akhombise 738 ngemakhadi akhe
nemabhaluki.

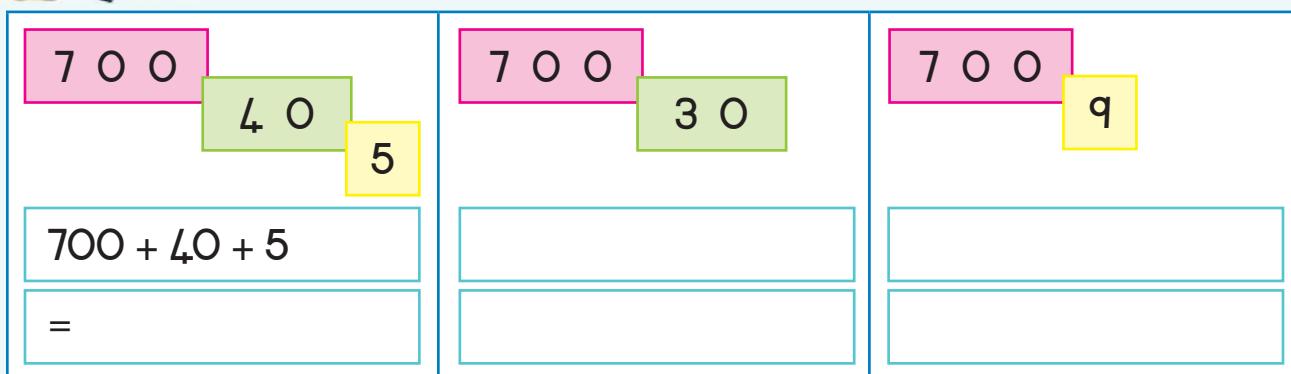
Naku Jabu lakukhombisile.
Yini langakayenti kahle?

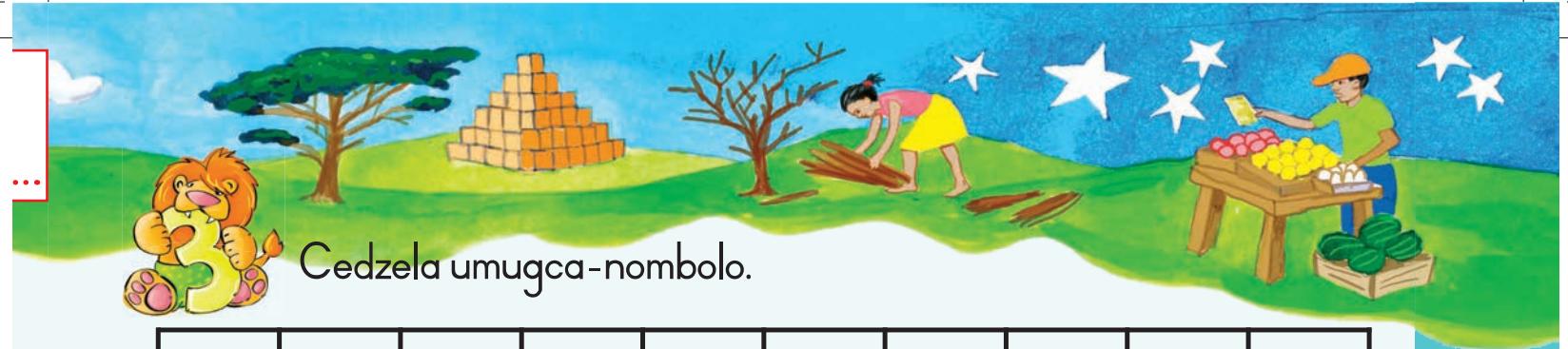


Bhala umusho-nombolo bese kulandzela imphendvulo.



Bhala umusho-nombolo bese kulandzela imphendvulo.





Cedzela umugca-nombolo.

Nginike tonkhe letinombolo letincane kuna 704. _____



Gcwalisa nga <, > noma =

a. 750 749

b. 732 723

c. $700 + 40 + 9$ 749



Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

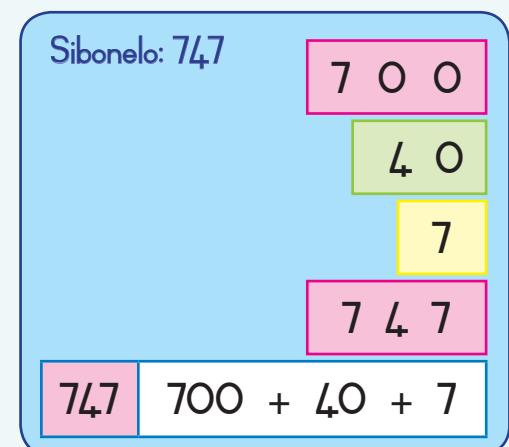
b. Bhala emandla eluhlavu-nombolo ngayinye. Nyalo yenta loku: Vutfuta inombolo yakho.

750	
728	
703	
730	
749	



Bhala tinombolo-maqama.

714
750
742
738
704

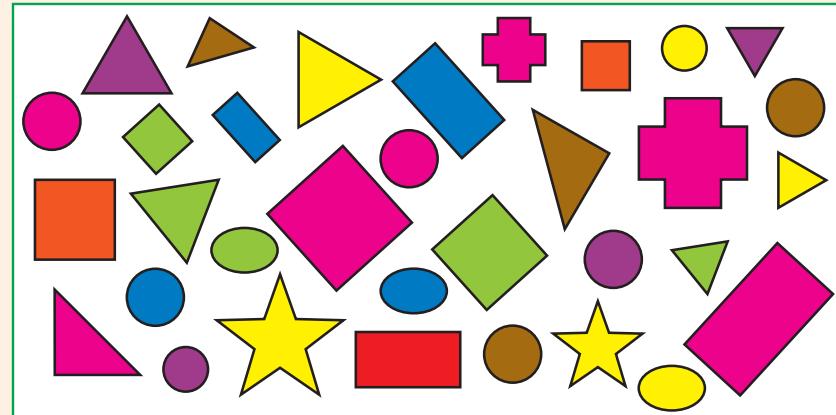




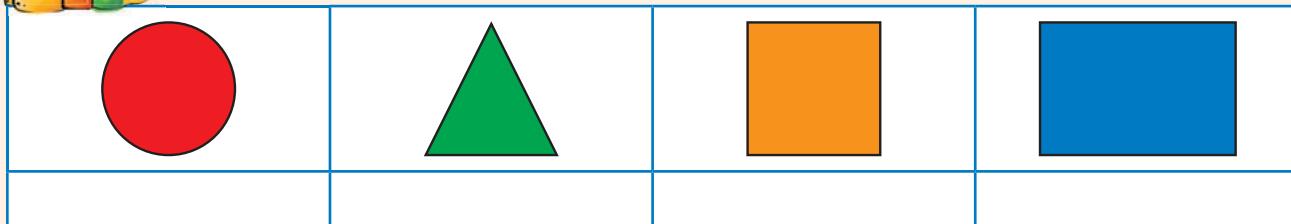
Lusuku:

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.





Cedzela lokulandzelako:

	Dvweba lobunjwa eme ngetindlela letehlukene.
calantsatfu	
calandze	
sikwele	



Cedzela lithebula:

Shano ligama lalobunjwa	Dvweba bunjwa lomncanyana	Dvweba bunjwa lomkhudlwana



Tfola tikwele, bocalantsatfu, bocalandze netindilinga tebukhulu lobehlukene kubomagazini noma emaphephendzaba.

Banamatsisele lapha.



Teacher:

Sign:

Date:

73

Kuhlanganisa nekususa ku 800

Lusuku:

Ithemu 3



Ngingatsengani nga R500?

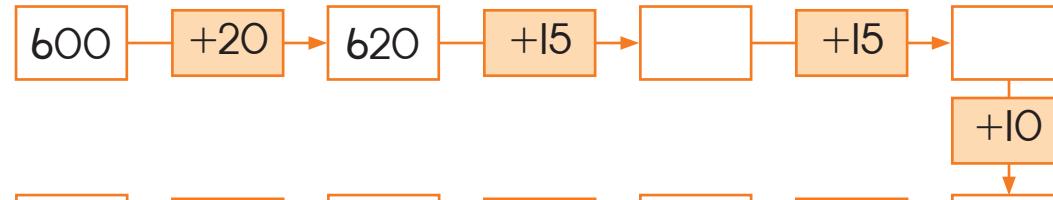
Ngutiphi taletintfo
lengingatitsenga
nga R500 ngco?



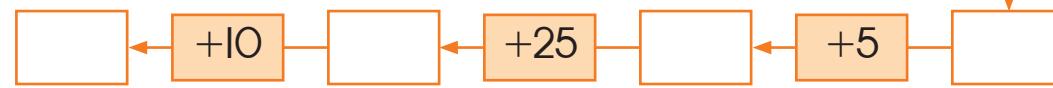
Kuhlanganisa sengete kusuka ku 600.

Faka tinombolo letishiyiwe.

Cal a



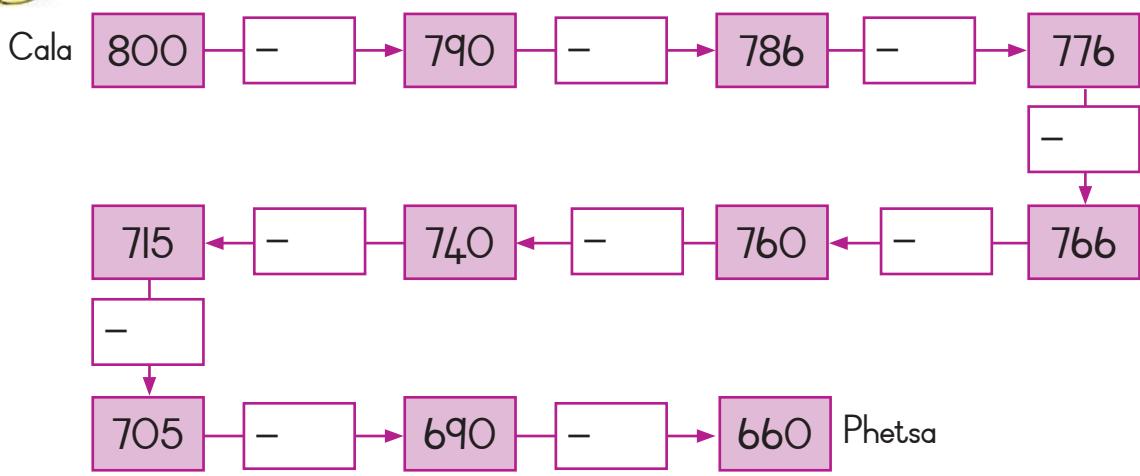
Phetsa



Bala uye emuva kusuka ku 800.

Bhala "ingucuko" sikhatsi ngesikhatsi.

Cal a





Sombulula lokulandzelako:

$725 + 53 =$

$664 + 87 =$

$564 + 132 =$

$75 + 717 =$



Sombulula lokulandzelako:

James ucokelele 525 wetimabula.

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

- Tingakhi timabula labatakuba nato bobibili?
- Tingakhi timabula labekanato Sipho ekucaleni?

-
-



11 12 13 14 15 16 17 18 19 20

74

Siyachubeka ngekuhlanganisa nekususa ku 800

Lusuku:

Ithemu 3

Iminden-tinombolo

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

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

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



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.

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



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:	Phumla ubhala loku:
$352 - 166$ $\begin{array}{ccccccc} +4 & +30 & +100 & +52 \\ \hline 166 & 170 & 200 & 300 & 352 \end{array}$ $30 + 4 + 100 + 52$ $= 134 + 52 = 186 \text{ km}$	$352 - 166$ $\begin{array}{r} 300 + 50 + 2 \\ -100 + 60 + 6 \\ \hline \end{array}$ $= 300 + 40 + 12$ $\begin{array}{r} 300 + 40 + 12 \\ -100 + 60 + 6 \\ \hline \end{array}$ $= 200 + 140 + 12$ $\begin{array}{r} 200 + 140 + 12 \\ -100 + 60 + 6 \\ \hline \end{array}$ $= 100 + 80 + 6$ $= 186 \text{ km}$
Mbali wenta loku:	Peter wenta loku:
$352 - 166$ $166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352$ $100 + 34 + 52 = 134 + 52 = 186 \text{ km}$	$352 - 166$ $= 352 - 100 - 66$ $= 252 - 66$ $= 252 - 52 - 14$ $= 200 - 14$ $= 186 \text{ km}$
Veronica wenta loku:	Lebo ucabanga ngetimphindza-kabili nabohhafu:
$352 - 166$ $352 - 152 = 200$ $200 - 14 = 200 - 10 - 4$ $= 190 - 4$ $= 186 \text{ km}$	Ihhafu ya 352 ngu 176 Kodwva kufute ngitsatse 166 kuphela, ngako-ke njitawuphindze ngenete 10. 176 + 10 = 186 km
Cocani ngaletindlela letehlukene. Nguyiphi indlela loyitsandza kakhulu? Kungani?	



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

$746 - 328$

$800 - 499$



75

Siphindza kuhlanganisa nekususa sifike ku 800 futsi

Lusuku:

Ithemu 3



Yakha yakakho iminden-tinombolo.

Umsebenti wekutifutfumeta.

5 12 17



Sibonelo: Yakha 17

$$5 + 12 = 17$$

$$12 + 5 = 17$$

$$17 - 12 = 5$$

$$17 - 5 = 12$$

8 9 17



Hlolisa! Catsanisa!
Lungisa!

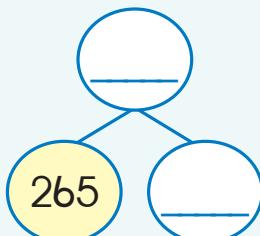
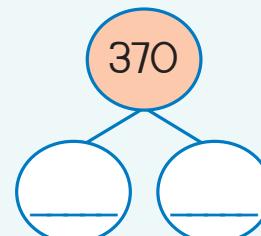
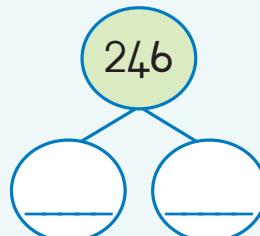
Enombolweni ngayinye ngentasi, khetsa letinye futsi leti-2 kwenta umndeni.

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

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



Tfola bophindza-kabili
nabohhafu labashiyiwe.





Kuhhafula kute ususe.

Uma ubati bohhafu nabophindza-kabili bakho, kulekunye 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 webantwana batfola sipho saKhisimisi ngamunye. Ihhafu yabo itfola bomdoli lenye ihhafu itfola timoto. Bangakhi labatfola timoto?

Indlela 1	Indlela 2
$256 = 200 + 50 + 6$ <ul style="list-style-type: none"> → 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 	<ul style="list-style-type: none"> → 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 webantwana ngamunye utfola lithoyizi erestoranti yendzawo. Ihhafu yabo itfola emabhuloki ekwakha. Bangakhi labatfola emabhuloki ekwakha?

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



76

Emaphethini-nombolo: emashumi kuya ku 800

Lusuku:

Ithemu 3



Yini longakusho ngaletinombolo emabholokini lahlilikhiwe?

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.

I. Yengeta lishumi. Sikwentele kwekulala.

a. $767 + 10 = 777$

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

1 2 3 4 5 6 7 8 9 10



2. Susa lishumi kulenombolo leniketiwe. Sikwentele kwekucala.

$$a. 767 - 10 = 757$$

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

3. Kwentekani nawuhlanganisa noma ususa lishumi kuletinombolo ngetulu?



Buka letindilinga letibovu ebbodini yetinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana

kwetinombolo lelandzelako:

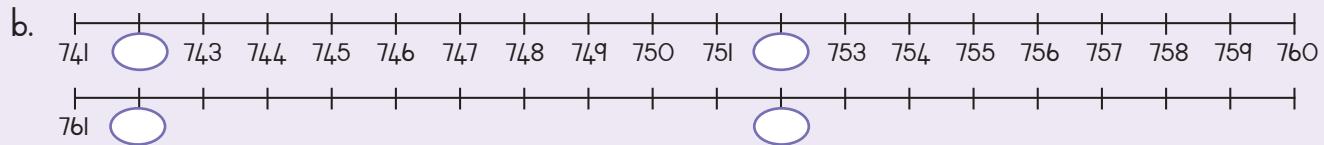
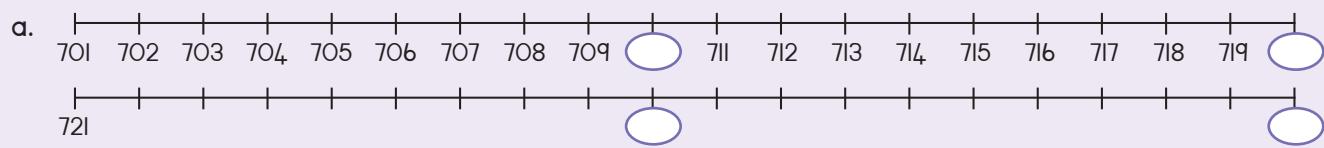
704; 714; 724; _____; _____; _____
715; 725; 735; _____; _____; _____

799; 789; 779; _____; _____; _____

782; 772; 762; _____; _____; _____
737; 747; 757; _____; _____; _____



Gcwalisa ngenombolo lefanele endilingeni ngayinye
kulemigca-nombolo.



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?



11 12 13 14 15 16 17 18 19 20

77

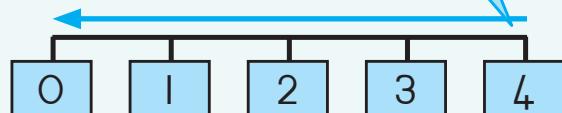


Lusuku:

Ithemu 3

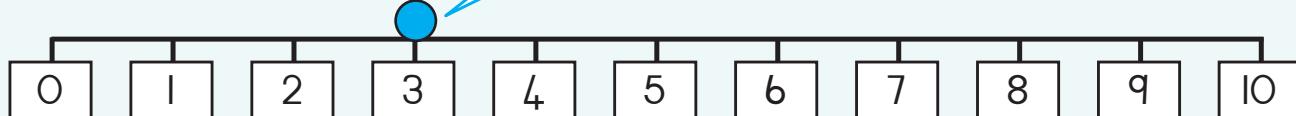
Tonkhe letinombolo kusuka ku 4 uya emuva titawusongwa tisondzete ku 0.

Tonkhe tinombolo kuya embili kusuka ku 5 titawusongwa tisondzete ku 10.

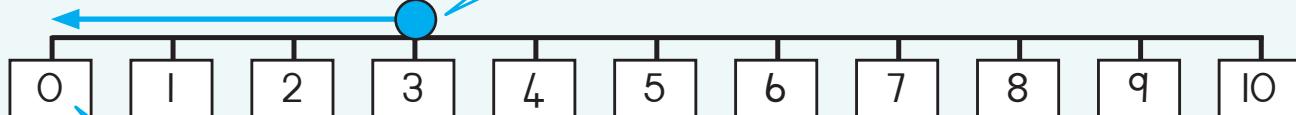


Asikhulume.

Buka 3 kumugca-nombolo.



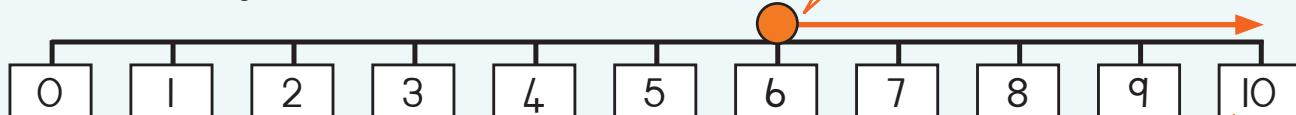
Utaba yini 3 uma sekasongiwe?



3 nakasongiwe wasondzeta eshumini lelisedvute utaba ngu-ziro.

Yenta sona leso ngaloku:

Utaba yini 6, nakasongiwe wasondzeta ku 10 losedvute?



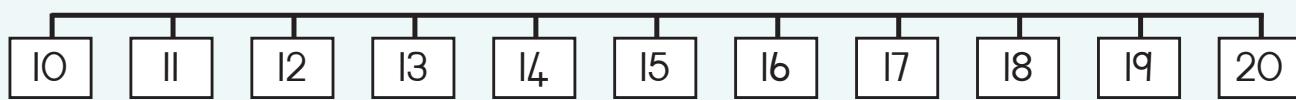
Imphindvulo itakuba ngu 10.



Songa usondzete ku 10 losedvute.

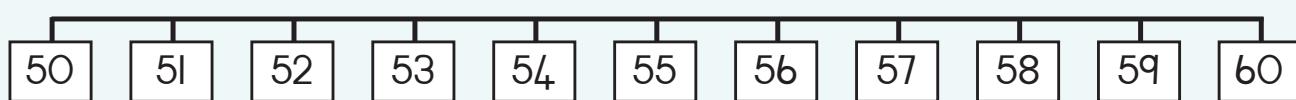
12 nakasongiwe ngu? _____

19 nakasongiwe ngu? _____



53 nakasongiwe ngu? _____

58 nakasongiwe ngu? _____





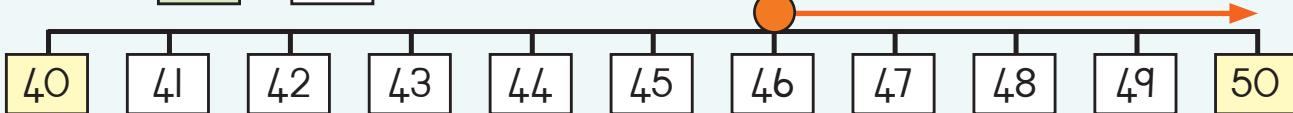
Songa usondzete ku 10 losedvute,
usebentisa imigca-nombolo kukusita.

a. 46

46

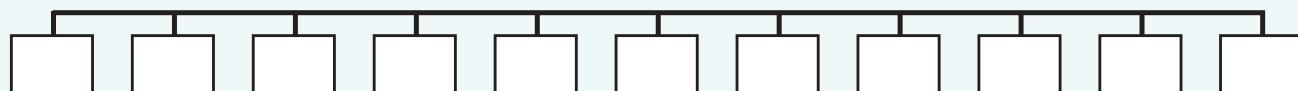
50

Usemkhatsini wamaphi emashumi
lamabili 46?



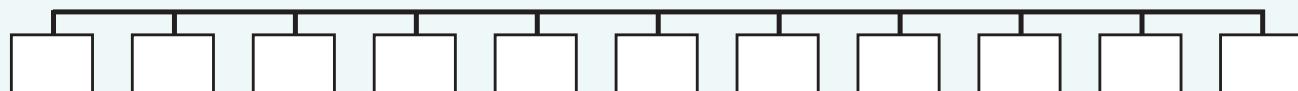
b. 63

Usemkhatsini wamaphi emashumi
lamabili 63?



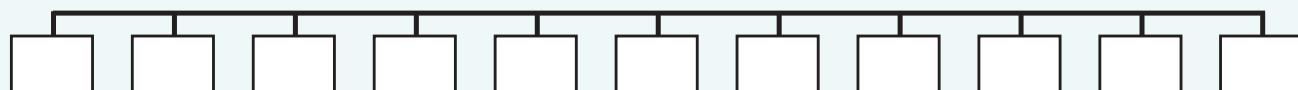
c. 37

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? _____



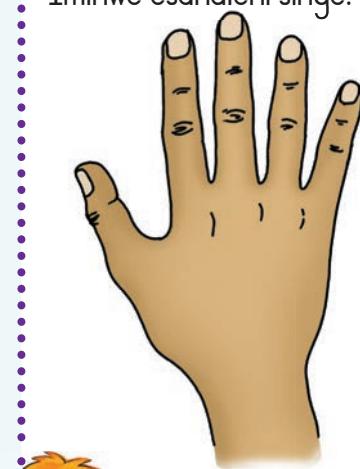
Kuphindzaphindza: tihlanu kufika ku 75

Lusuku:

Ithemu 3

Yini leta ngetihlanu?

Iminwe esandleni sinye.



Cedzela lithebula.

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:

$9 \times 5 = 45$

$7 \times 5 = 35$

$2 \times 5 = 10$

$4 \times 5 = 20$

$3 \times 5 = 15$

$5 \times 5 = 25$

$10 \times 5 = 50$

$6 \times 5 = 30$

$8 \times 5 = 40$

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	

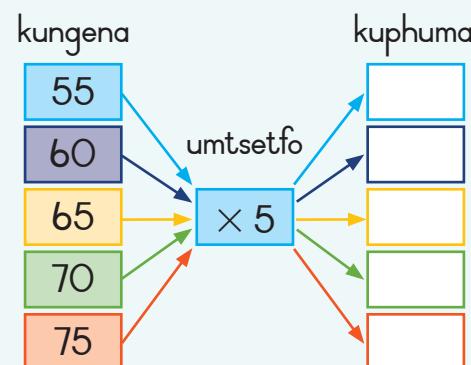
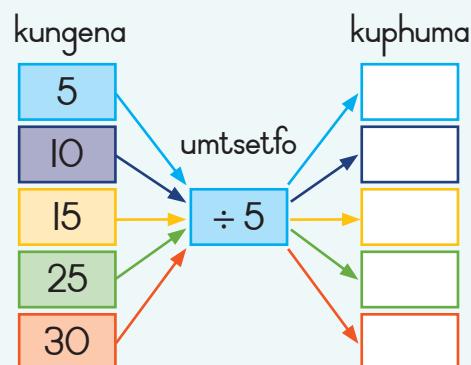
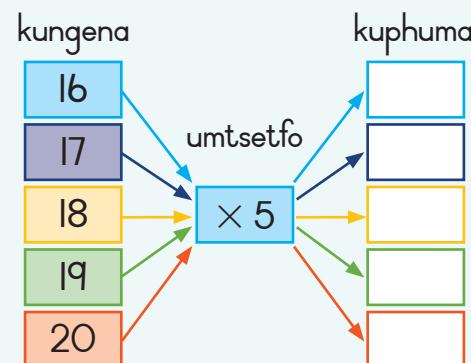
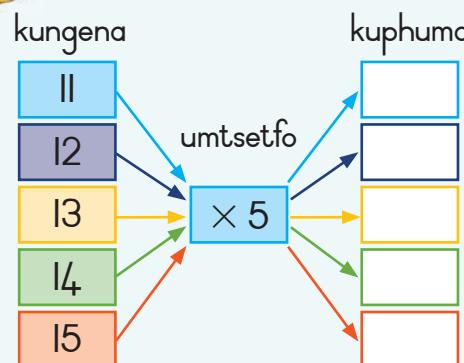


Cedzela lithebula.

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	



Cedzela lelithebulu lelingantasi:



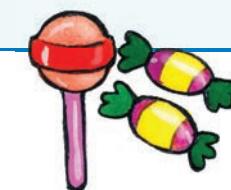
Cedzela lamathebula nqentasi:

Utabile kanjani letimphendvulo lokufute tibhalwe etibayeni letilinganqane?



Sombulula lokulandzelako:

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



A horizontal ruler scale with markings from 11 to 20. The numbers are in a bold, sans-serif font. The background is orange, and the numbers are in various colors: 11 is black, 12 is green, 13 is black, 14 is purple, 15 is magenta, 16 is black, 17 is purple, 18 is red, 19 is blue, and 20 is green. Below the numbers is a series of small, evenly spaced tick marks.

79

Emaphethini-nombolo: tihlanu kuya ku 800

Lusuku:

Ithemu 3



Yini longakusho ngaletinombolo etibayeni letiliphuti?

Bala tihlanu kusuka ku 705 kuya ku 800.

Yini leta emva kwa 720 nawubala ngetihlanu?

Bala uye emva ngetihlanu kusuka ku 800 kuya ku 705.

Yini leta embi kwa 730 nawubala uya emva?

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.

- I. Yeneta sihlanu kulenombolo leniketiwe.
Sikwentele kwekucala.

a. $760 + 5 = 765$

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



2. Yengeta sihlanu kulenombolo leniketiwe. Sikwentele kwekucala.

$$a. 765 - 5 = 760$$

- 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; _____ ; _____ ; _____

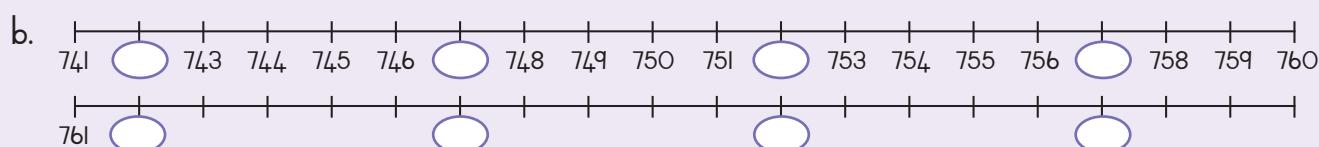
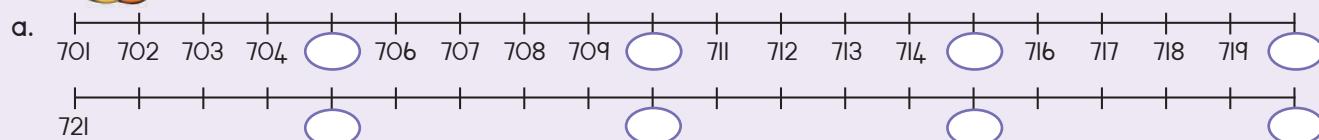
701; 706; 711; _____ ; _____ ; _____

722; 727; 732; _____ ; _____ ; _____

714; 719; 724; _____ ; _____ ; _____



Gcwalisa ngenombolo lefanele endilingeni ngayinye
kulemigca-nombolo.



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?



11 12 13 14 15 16 17 18 19 20

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.



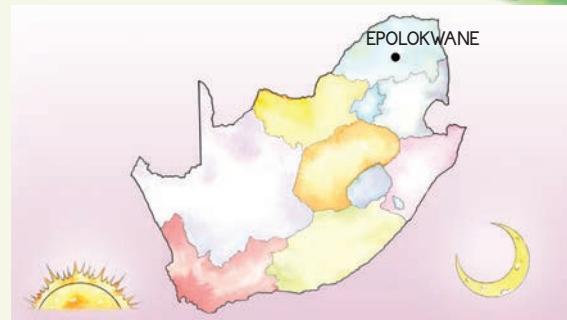
Lidolobha iKapa	Kuphuma kwelilanga	Kushona kwelilanga	Budze bemini	Budze bebusuku
iNdlovulenkhulu 23	6:53 eksn	6:53 ntsmb		
iNhlabi 21	7:51 eksn	5:44 ntsmb		
iNyoni 19	6:41 eksn	6:41 ntsmb		
iNgongoni 22	5:32 eksn	7:58 ntsmb		

- Ngungatiphi tinyanga lapho khona imini nebusuku kulingana ngebudze? _____
- Nguyiphi inyanga lenetimini letindzekati? _____
- Nguyiphi inyanga lenetimini letimfisha kakhulu? _____
- Tfola umehluko ngema-awa nemizuzu emkhatsini wemini lendzekati nalemfisha kakhulu. _____
- Tfola budze bemini nebusuku balolo nalolo lulusuku kulelithebula lelingengetulu. _____



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		
iNhlabi 21	6:44 eksn	5:24 ntsmb		
iNyoni 17	5:57 eksn	5:57 ntsmb		
iNgongoni 22	5:13 eksn	6:50 ntsmb		

- Ngukutiphi tinyanga lapho khona imini nebusuku kulingana ngebudze? _____
- Ngukutiphi tinyanga lapho budze bemini bufana eDolobheni eKapa nasePolokwane? _____
- Ngungatiphi tinyanga lapho behlukene khona? _____
- Tfola umehluko kuma-awa nemizuzu emkhatsini wemini lendzekati nalemfisha kakhulu. _____
- 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?



81

Kuphindzaphindza: ngakubili kufika ku 75

Lusuku:

Ithemu 3

Yini lehamba ngakubili?
Lipheya linye leticatfulo.



Cedzela lithebula.

Tingakhi ticatfulo letiku

I lipheya leticatfulo?

- 2 emapheya eticatfulo?
- 3 emapheya eticatfulo?
- 4 emapheya eticatfulo?
- 5 emapheya eticatfulo?
- 6 emapheya eticatfulo?
- 7 emapheya eticatfulo?
- 8 emapheya eticatfulo?
- 9 emapheya eticatfulo?
- 10 emapheya eticatfulo?

Condzanisa sibalo
nembuto ngesancele:

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

Kubutsisa	Kuphindzaphindza	Kwaba	Yehlukanisa
10 ticumbi tabo 2	$10 \times 2 = 20$	Yaba 20 emkhatsini wa 2	$20 \div 2 = 10$
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	

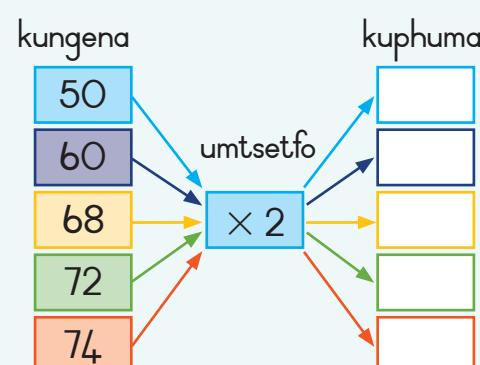
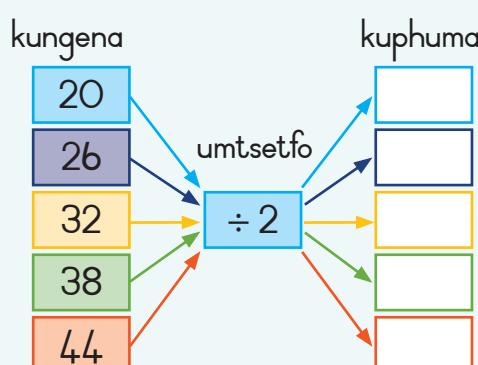
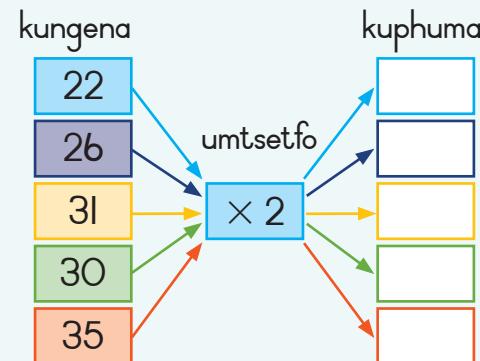
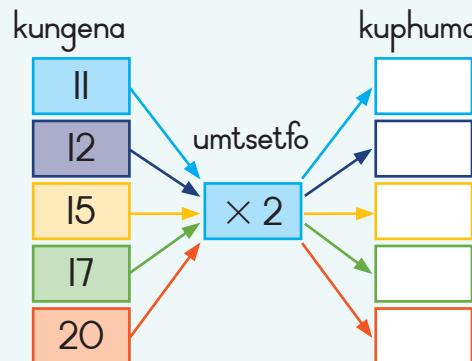


Cedzela lithebula.

Kwaba	Kwehlukanisa
Yaba 21 emkhatsini wa 2	$21 \div 2 = 10$ umsalela 1
Yaba 33 emkhatsini wa 2	
Yaba 67 emkhatsini wa 2	
Yaba 75 emkhatsini wa 2	



Cedzela lelithebula lelingantasi:



Cedzela lamathebula ngentasi:



Sombulula lokulandzelako:

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



A horizontal ruler scale with markings every millimeter. The numbers 11 through 20 are displayed above the scale, with each number having a corresponding colored tick mark below it. The colors follow a repeating pattern: blue for 11, green for 12, red for 13, blue for 14, pink for 15, blue for 16, purple for 17, red for 18, blue for 19, and green for 20.

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.

- I. Yengeta kubili enombolweni lonikiwe.
Kwekulala sesikwentele.

a. $764 + 2 = 766$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



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?



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; _____ ; _____ ;



Gcwalisa ngenombolo lefanele endilingeni ngayinye
kulemigca nombolo.

- a.
- b.



Nginenombolo luhlavu-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?



11 12 13 14 15 16 17 18 19 20

83

Kuphindzaphindza: bo 2 na bo 5 kufika ku 75

Lusuku:

Ithemu 3



Ungakuphendvula masinyane kanganani loku lokulandzelako?

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



Bukisia kutsi wenteni umngani wami.

$$4 \times 2 = 8$$

Cocani ngako.

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	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

Nyalo-ke yenta sona leso $4 \times 5 = 20$.

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso



Phindzaphindza lokulandzelako:

$$24 \times 3$$

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

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

$$= 60 + 12$$

$$= 72$$

a. 13×3

b. 18×3

c. 12×5

d. 21×3

e. 14×3

f. 25×3

g. 12×3

h. 15×5



Sombulula lokulandzelako:

Ngitsenge emaswidi lali-14 nga R3 lilinye.

umngani wami utsenge emaswidi lali-12 nga R5 lilinye.

Sibhadale malini sobabili kutsenga emaswidi?



11 12 13 14 15 16 17 18 19 20

Kuphindzaphindza: kutsatfu kufika ku 75

Lusuku:

Ithemu 3

Yini lehamba ngakutsatfu?
Emasondvo elibhayisikili
lasondvontsatfu.



Cedzela lithebula.

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:

$9 \times 3 = 27$

$7 \times 3 = 21$

$2 \times 3 = 6$

$4 \times 3 = 12$

$3 \times 3 = 9$

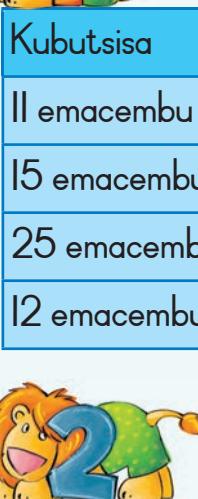
$5 \times 3 = 15$

$1 \times 3 = 3$

$10 \times 3 = 30$

$6 \times 3 = 18$

$8 \times 3 = 24$



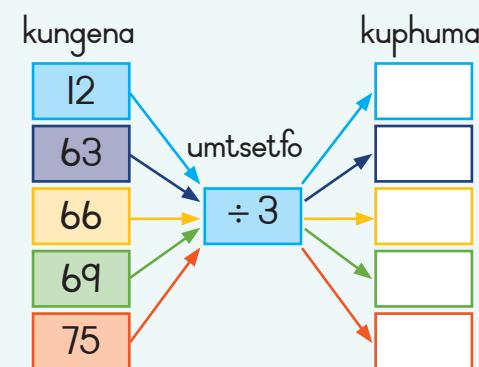
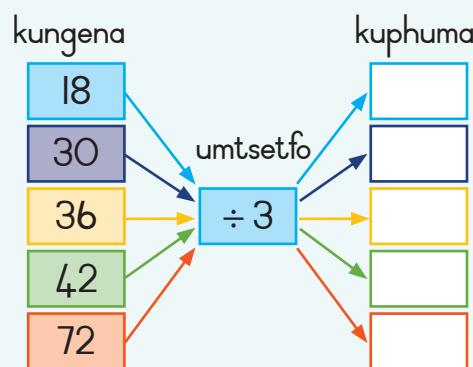
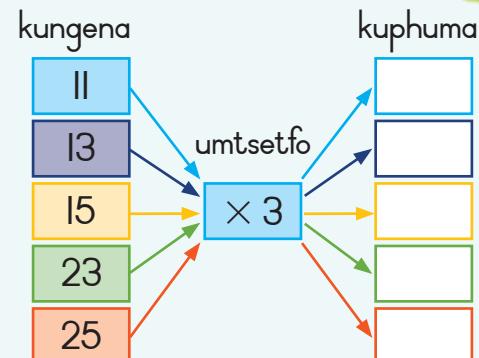
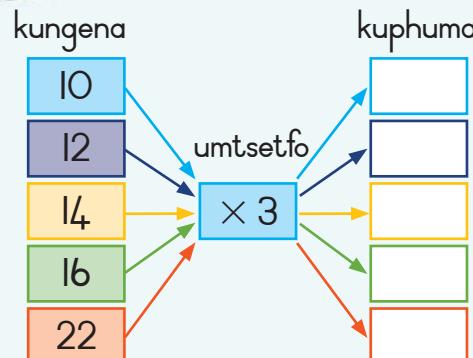
Cedzela lithebula.

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	

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	



Cedzela lelithebula lelingantasi:



Cedzela lamathebula ngentasi:

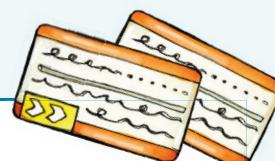
Utabile njani letimphendvulo lapho khona emabhlwoki angumbala lolinqangqane?



Sombulula lokulandzelako:

Imali yekungena bekungu R3 umntfwana ngamunye lapha-ke 23 webantfwana bangaene epaki.

Bakhokhe malini sebabonkhe?



Kuphindzaphindza:

bo 2, bo 3 na bo 4 kufika ku 75

Lusuku:



Ungakuphendvula masinyane kanganani loku lokulandzelako?

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



Bukisia umngani wami kutsi wenteni.

Cocani ngaloku:

$5 \times 2 = 10$

Ngicale ngakhombisa 5×2 kanjena:

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso
2, 4, - - -	● - - -	2 + - - -	— luhele lwa 2 xx	$2 \times - = -$ $4 \times - = -$ $- \div - = -$ $- \div - = -$

Ngicale ngakhombisa $8 \times 3 = 24$ kanjena.

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso

$6 \times 4 = 24$

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso



Yehlukanisa uclonge imphendvulo yakho.

$$63 \div 3$$

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

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

$$= 20 + 1$$

$$= 21$$

$$21 \times 3$$

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

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

$$= 60 + 3$$

$$= 63$$

a. $48 \div 5$

b. $64 \div 5$



Sombulula loku lokulandzelako:

Mine nebangani bami sina R63 sekukonkhe.

Sifuna kuyaba lemali ngekulingana emkhatsini wetfu sobatsatfu.

Ngamunye wetfu utawutfolo malini?



11 12 13 14 15 16 17 18 19 20

Emaphethini nombolo: kutsatfu kuye ku 800

Lusuku:



Yini longayisho ngaletinombolo etibayeni
letinembala loliphuti?

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

Bala uye emva ngetihlanu kusuka ku 799 kuye ku 703. Yini leta embi kwa 766 nawubala uya emva?

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.

- I. Yeneta kutsatfu enombolweni lonikiwe.
Kwekulala sesikwentele.

a. $766 + 3 = 769$

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

1 2 3 4 5 6 7 8 9 10



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?



Bukisisa letindilinga letilingangane ebhodini letinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana

kwaletinombolo:

$779; 776; 773;$ _____ ; _____ ; _____

$704; 707; 710;$ _____ ; _____ ; _____

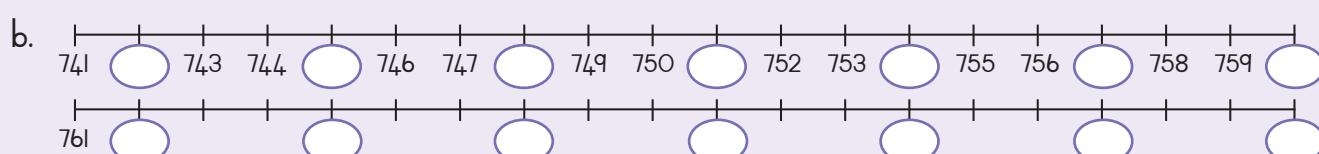
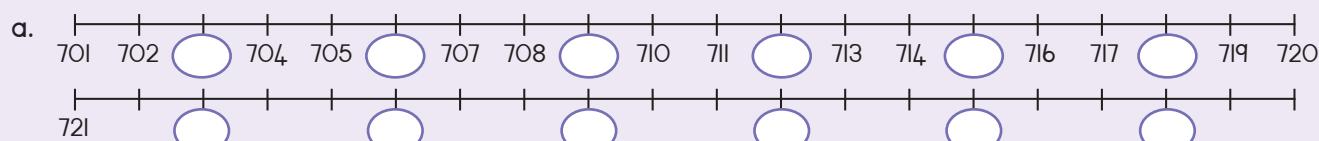
$782; 785; 788;$ _____ ; _____ ; _____

$773; 776; 779;$ _____ ; _____ ; _____

$779; 782; 785;$ _____ ; _____ ; _____



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



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?



11 12 13 14 15 16 17 18 19 20

Kuphindzaphindza: ngakune kufika ku 75

Lusuku:

Ithemu 3

Yini lehamba ngakune?
Emasondvo emoto.



Cedzela lithebula.

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:

$9 \times 4 = 36$

$7 \times 4 = 28$

$2 \times 4 = 8$

$4 \times 4 = 16$

$3 \times 4 = 12$

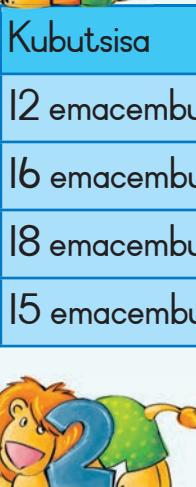
$5 \times 4 = 20$

$1 \times 4 = 4$

$10 \times 4 = 40$

$6 \times 4 = 24$

$8 \times 4 = 32$



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	

Kwaba

Kwehlukanisa

Yaba 35 emkhatsini wa 4

 $35 \div 4 = 8$ umsalela 3

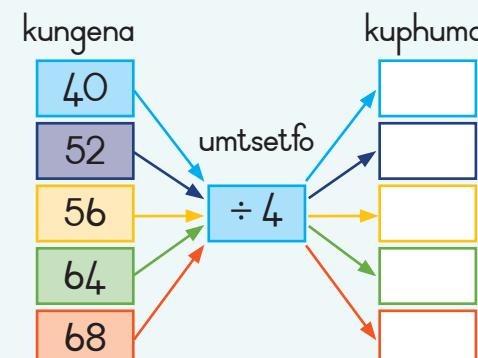
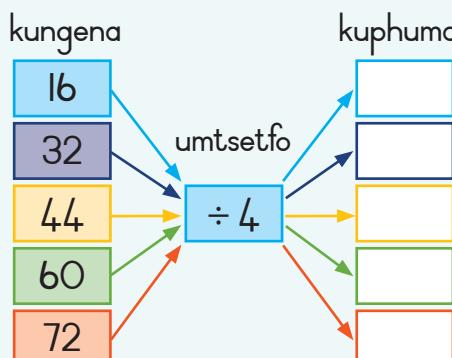
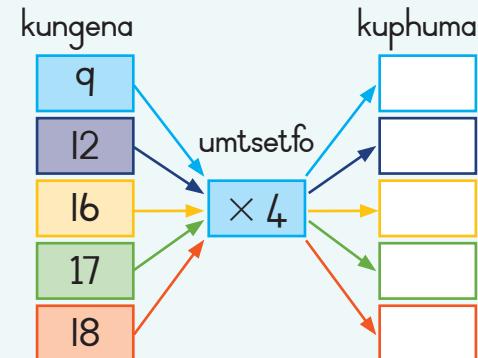
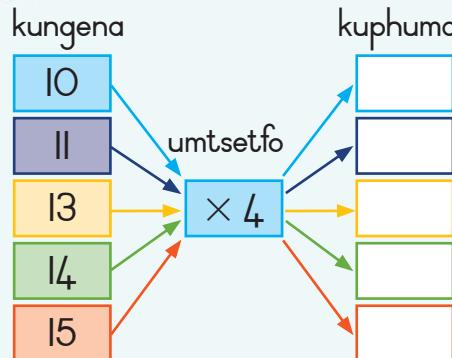
Yaba 55 emkhatsini wa 4

Yaba 70 emkhatsini wa 4

Yaba 75 emkhatsini wa 4



Cedzela lelithebula lelingantasi:



Cedzela lamathebula nqentasi:

Utabale njani timphendvulo lapho khona emabhu loki anqumbala lolinqanqane?



Sombulula lokulandzelako:

Naina R75.

Tingakhi tipho tephathi letincane taR4 lengingatitsenga?



Emaphethini nombolo: ngakune kuye ku 800

Lusuku:



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.

- I. Hlanganisa kune enombolweni lonikwe yona.
Kwekucala sesikwentele.

a. $76\textcolor{red}{4} + 4 = 7\textcolor{blue}{8}$

b. $76\textcolor{blue}{4}$ _____	c. $78\textcolor{blue}{8}$ _____	d. $75\textcolor{blue}{4}$ _____	e. $7\textcolor{blue}{8}\textcolor{blue}{8}$ _____	f. $79\textcolor{blue}{4}$ _____
----------------------------------	----------------------------------	----------------------------------	--	----------------------------------

1 2 3 4 5 6 7 8 9 10



2. Susa kune enombolweni lonikwe yona. Kwekucala sesikwentele.

$$a. 764 - 4 = 760$$

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

3. Kwantekani uma uhlanganisa noma ususa kune kulenombolo lengetulu?



Bukisisa letindilinga letilingangane ebhodini letinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana

kwaletinombolo:

703; 707; 711; _____ ; _____ ; _____
773; 777; 781; _____ ; _____ ; _____

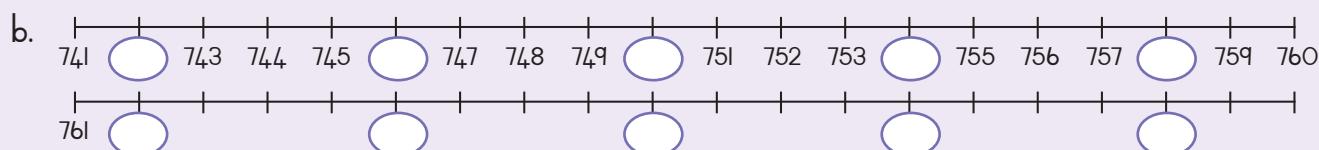
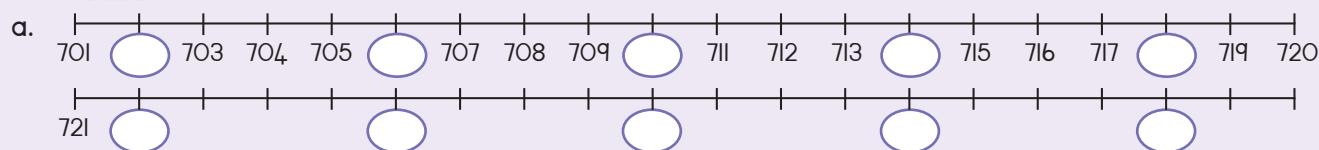
711; 715; 719; _____ ; _____ ; _____

783; 779; 775; _____ ; _____ ; _____

799; 795; 791; _____ ; _____ ; _____



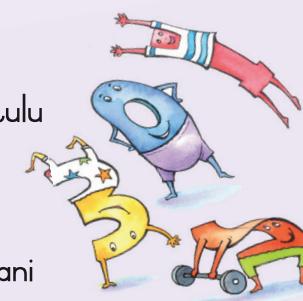
Gcwalisa ngenombolo lefanele endilingeni ngayinye
kulemigca-nombolo.



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?



11 12 13 14 15 16 17 18 19 20

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Kuphindzaphindza nekwehlukanisa:

bo 2, bo 3, bo 4 na bo 5 kufika ku 75

Lusuku:

Ithemu 3



Ungakuphvendvula masinyane kanganani loku lokulandzelako?

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



Faka umbala kumabholoki lapho khona sibalo
sikunika umsalela.

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



Wati kanjani kutsi leyo nombolo ingehlukaniseka ngayiphi.

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

1 2 3 4 5 6 7 8 9 10



Yehlukanisa ucilonge imphendvulo yakho.

$$65 \div 3$$

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

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

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

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

$$21 \times 3 + 2$$

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

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

$$= 60 + 3 + 2$$

$$= 65$$

a. $49 \div 5$

b. $65 \div 5$



Sombulula lokulandzelako:

Udzinga kuhamba uyokwenta luhlwayo.

Wati kanjani kutsi inombolo ingehlukaniseka nga 4?



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

90



Lusuku:

Ithemu 3



Buka letitfombe.

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



Buka letitfombe bese ucedzela lemisho nemibuto.



a. Ibhola

_____.



b. Yentiwa yini ibhola kungasheleli?

_____.



c. Umbhoshongo

_____.



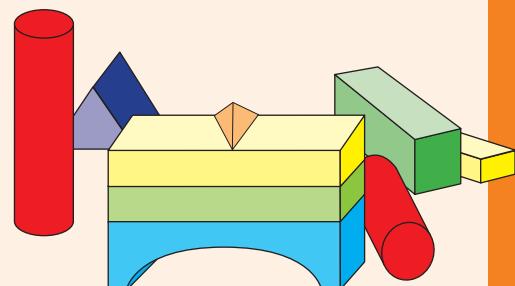
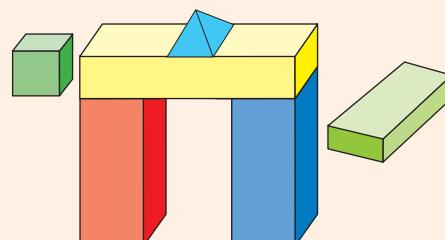
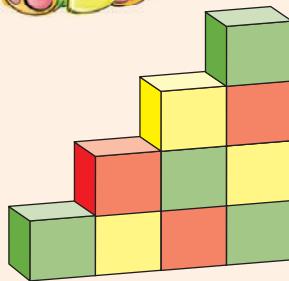
d. Umbhoshongo ungashelela yini nawo?

_____.



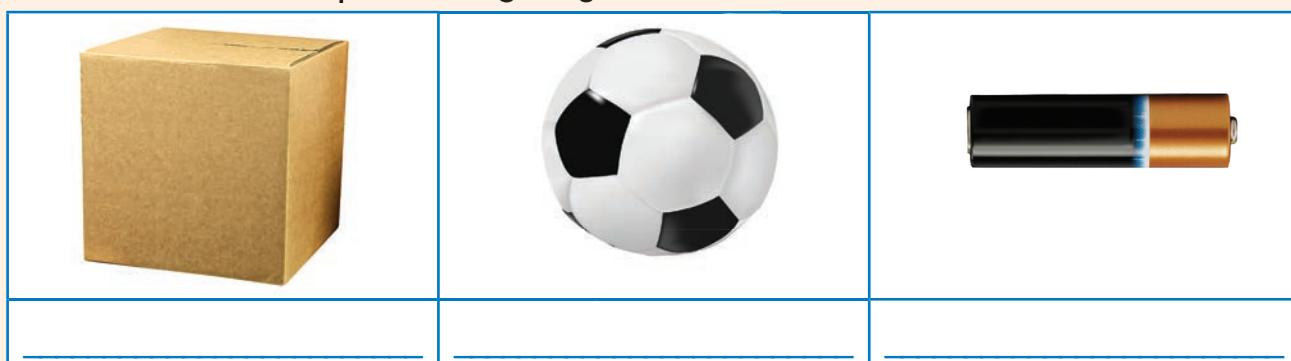
Shano tintfo letisetjentiswe kulesitfombe.

Utawuyisho kanye intfo ngayinye. Shano kutsi ingacicika noma ishelele.





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



Dvweba lokulandzelako:

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

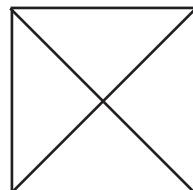




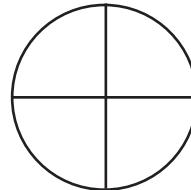


Nyalo faka umbala kuloku lokulandzelako:

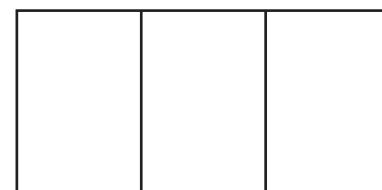
Ihhafu yinye



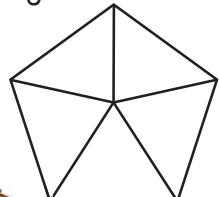
Bonceny-e-ne labatsatfu



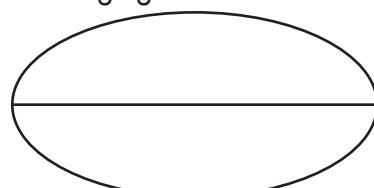
Bonceny-e-ntsatfu lababili



Bonceny-e-hlanu labane



Ihhafu yinye



Bonceny-e-siphohlongo labasihlanu



Dvweba lokulandzelako:

Emakota lamatsatfu usebentisa sikwele

Ihhafu yinye usebentisa indilinga.

Bonceny-e-ntsatfu lababili usebentisa calantsatfu.

Bonceny-e-hlanu labane usebentisa indilinga.

Tinceny-e letine talokusiphohlongo usebentisa sikwele

Bonceny-e-ntsatfu lababili usebentisa calandze



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.



q2

Lusuku:

Kabantu ngemafrakishini

Ithemu 3



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 tabo Sipho naGugu.

c.

Ngitawutsatsa
ihhafu yalokusele.

Andile



Dvweba sabelo saSipho, Gugu na-Andile.

d.

Inganani iphayi
lesalele mine?

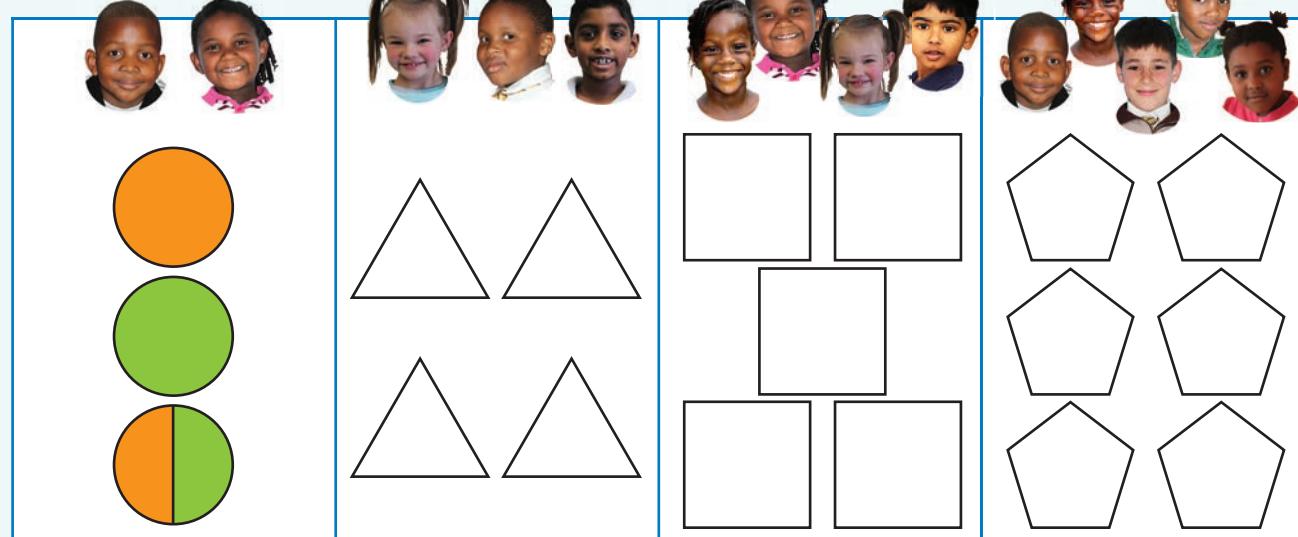
Lisa



Dvweba tonkhe tabelo tabo talephayi.



Yaba bobunjwa wabele bantfwana
ngekudvweba umugca uwufake umbala.



Bangani labane babelana 5 wemaswidi
ngekulingana.

Umuntfu ngamunye utawutfolo mangakhi?
Utsini umbuto?

Titsini tinombolo?

Dvweba sitfombe.

Bangani labasitfupha babelana 9 wemaswidi
ngekulingana.

Umuntfu ngamunye utawutfolo mangakhi?
Utsini umbuto?

Titsini tinombolo?

Dvweba sitfombe.



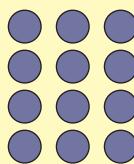
q3

Lusuku:

Ithemu 3

Kwaba kuholela kumafrakishini

Nati tintfo-
tekubala
letili-12



Sibangani lababili. Sinekweku phatsa
kunye kwehlukaniswe ngco kuhhafu.

Loku sitsi
yihhafu yinje.

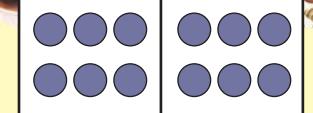
Loku sitsi
yihhafu yinje.



Sabelana tintfo-tekubala Lishumi-
nambili emkhatsini wetfu sobabili.

Ngitfole sitfupha
setintfo-tekubala.

Ngitfole sitfupha
setintfo-tekubala.



Yenta umdvwebo walokulandzelako uphendvule umbuto.

Imfica yemabhola yehlukaniswe emkhatsini
webangani labatsatfu.



- Mangakhi emabhola latawutfolwa
yintfombatana ngayinje?
- Itsini ifrakishini letawutfolwa
yintfombatana ngayinje?

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



- Mangakhi emabhola latawutfolwa
yintfombatana ngayinje?
- Itsini ifrakishini letawutfolwa
ngumfana ngamunye?



Itsini ifrakishini letawutfolwa nguMandla?

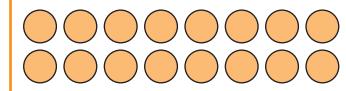
Itsini ifrakishini letawutfolwa nguLisa?

Ligama lami
nguMandla

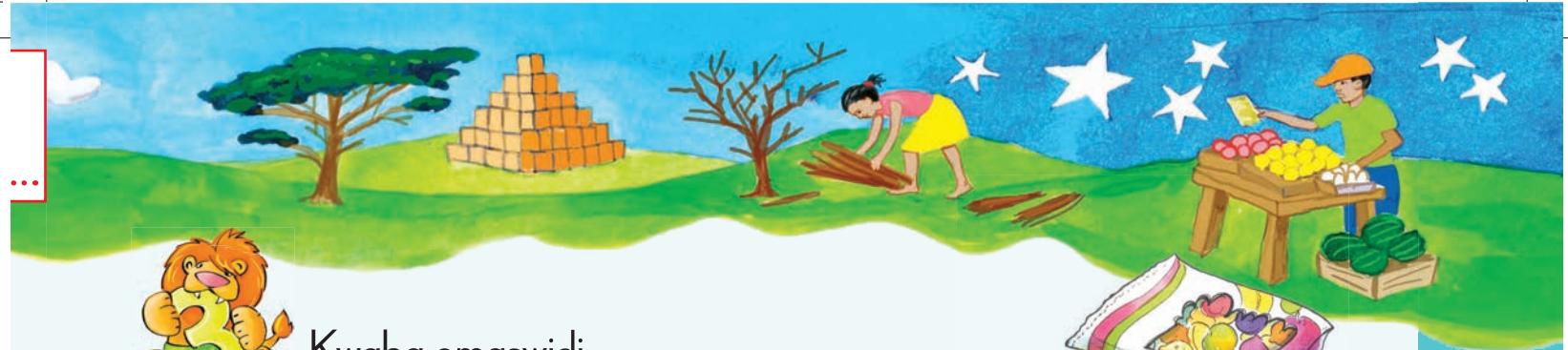


- Mangakhi emabhola latawutfolwa boMandla
naLisa?

Ligama lami
nguLisa.



- Mangakhi emabhola latawutfolwa boMandla
naLisa?



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? _____



Tiketi tekudansa.

Bomake nabogogo benta tiketi tekudansa.

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

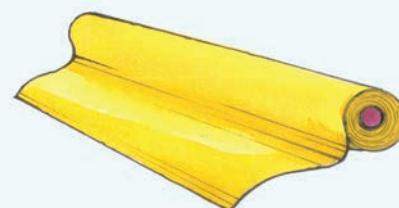
Indvwangu ibita R6 imitha.



a. Tingakhi tiketi labangatenta ngendvwangu lengu?

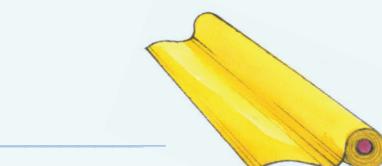
5 m _____ 10 m _____

20 m _____ 25 m _____



b. Inganani indvwangu labayidzingako kwenta

2 wetiketi _____ 3 wetiketi _____ 4 wetiketi _____



c. Ibita malini indvwangu kwenta

1 sikeri _____ 2 wetiketi _____ 3 wetiketi _____



d. Tingakhi tiketi labangatenta nga

R450 _____ R825 _____ R180 _____ ?



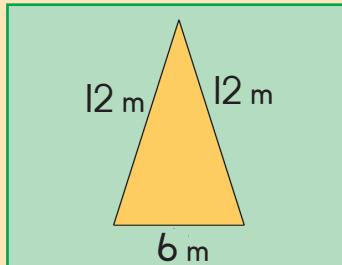
94

Lusuku:

Ithemu 3

Libanga kugegeleta

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



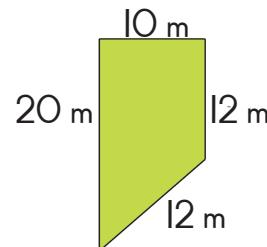
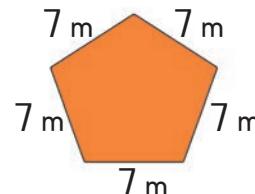
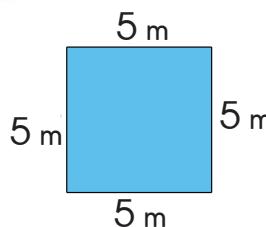
Umlimi unensimi lemacala ntsatfu.

Singawutfola umgegeleto walesivandzi ngekuhlanganisa bonkhe budze bemacala lehlukene.

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



Tfola lena migegeleto.



Ingadze ya Veronica.

Veronica udvweba umfanekiso wengadze lafuna kuyilima.

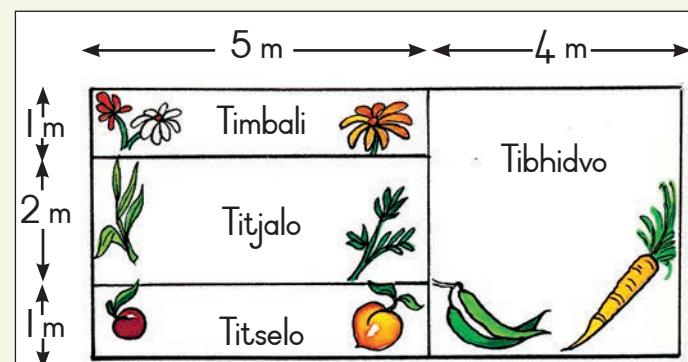
a. Uyini umgegeleto walendzawo lapho alima khona titjalo takhe? _____

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? _____





Lungisela yakakho ingadze.

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



Kumeda tindilinga.

Sebenta nemlingani.

Kwekusetjentiswa: IO 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 lobufinylela kumgegeleto waleyontfo.
3. Nyalo tsatsa intsambo uyalule isuke kulunye luhlangotsi lwendilinga luye kulolunye ujihambisa 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.	



Teacher:
Sign:
Date:

95a

Lusuku:

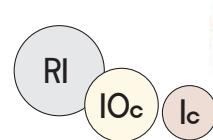
Ithemu 3

Kuhweba ngemali

Dlala lemidllalo nemlingani.

Kwekusetjentiswa:

RIOO RIO



boRIOO	beRIO	boRI	IOc	Ic

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

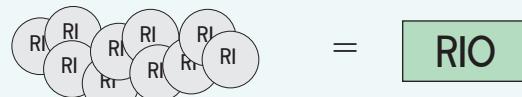
Beka Libhodi leMali etafuleni.

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

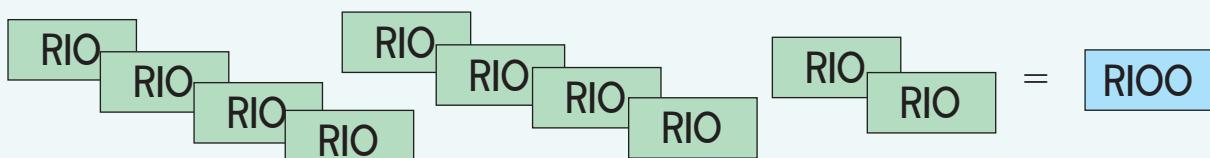


Hlanganisa kufike ku 100 wemaRandi.

- Umdlali ngamunye udlala ligema lakhe kujika lidayizi. Hlanganisa tinombolo letimbili ndzawonye.
- Tsatsa leya nombolo ya RI lobuhhehelu uyibeke kulelicala la RI lelibhodi lakho.
- Nase nje unelishumi labo RI bebhuhelhu kufute umhwebise nga RIO weliphepha.



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



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



Susa kusuka ku RIOO kufike ku RO.

Dlala wona lowo mddalo, 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 utfolo sibalo, tsatsa lesibalo selidayizi ku I senti webuhhehlu. Uma unelishumi labo Ic bebuuhhehlu, bantjintje babe ngulOc 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.



11 12 13 14 15 16 17 18 19 20

95b

Lusuku:

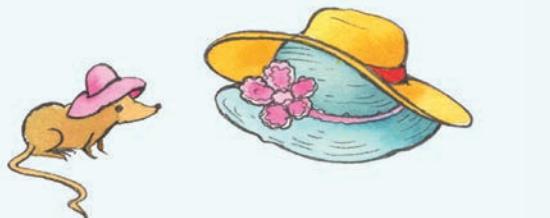
Asiyowutsenga!

Ithemu 3



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 	R100	R100	R100	R100	R100	R100	

- Tfola kutsi tibita malini tigcoko luhele ngalunye.
- LaZondo utsenga l luhlobo ngalunye lwasigcoko.
Ubhadala malini sekukonkhe? _____
- Mbhuti usebentisa R450 sekukonkhe. Utsenga l sigcoko nga R100.

Hholisa! Catsanisa!
Lungisa!

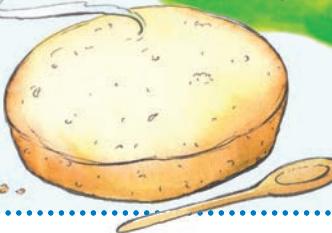
Ngutiphi letinye tigcoko latitsengako? Khombisa 2 waletinye timphendvulo longatitfola.

Imphendvulo 1	Imphendvulo 2



Ebhekari.

Musa usebentisa leresiphi kwenta likhekhe mafotjo.



Iresiphi yeLikhékhe-mafotjo

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

Kwekfaka emkhatsini: 140 ml ikhirmu

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

Likhékhe	Fulawa weLikhékhe	Emacandza	Shukela	Ikhirimu
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

b. Faka lumphawu (✓) emphendvulweni lengiyo.

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



Hlolisa!
Catsanisa! Lungisa!



Tibalo letisheshako.

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

11 12 13 14 15 16 17 18 19 20



qb

Lusuku:

Ithemu 3

Sichubeka ngemibandzela



Emaphoyiseni.

Sihlanu semaphoyisa senta imisebenti leyehlukene. Akuphi nyalo?

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

Bhala emagama alabakuletindzawo: Ehhovisi?

Emgwacweni?

Enkantolo?



Lusuku Lwesihlahla.



Sihlanu setikolo sicudzelana kubona kutsi ngusiphi lesingatjala tihlahla letinyenti ngeLusuku

Lwesihlahla i-Arbor.  = 10 tihlahla

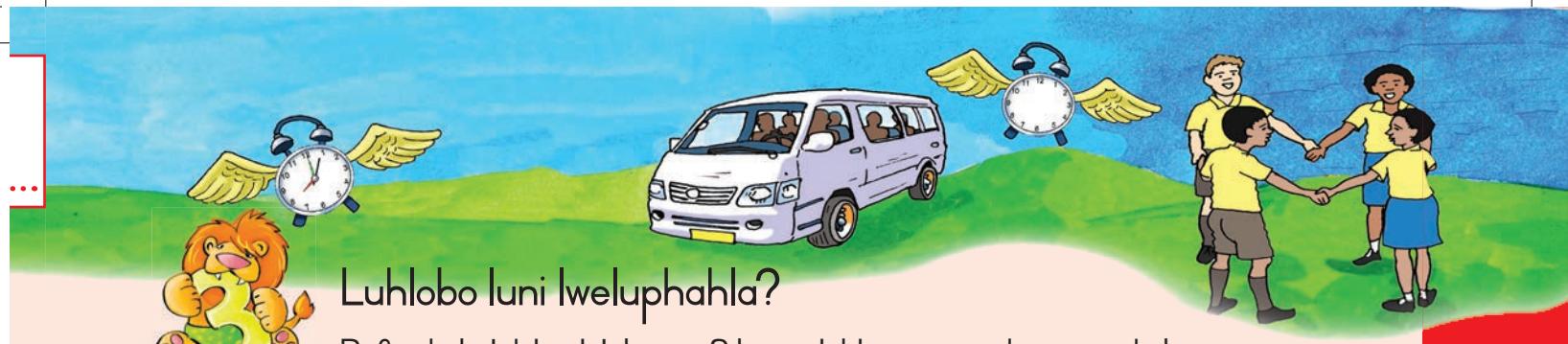
Klipspruit	
Mthonjeni	
Mpuluzi	
Thuthong	
Mosiba	

Tingakhi tihlahla sikolo ngasinye lesititjalako?

Klipspruit	Mthonjeni	Mpuluzi	Thuthong	Mosiba

Tingakhi tihlahla letatjalwa sikolo setitonkhe?

1 2 3 4 5 6 7 8 9 10



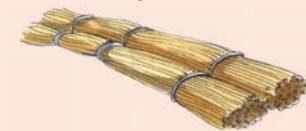
Luhlolo luni lweluphahla?

Bafundzi beLikilasi leLibanga 3 benta luhlwayo esigodzini sangakubo.

Bafuna kwati kabanti ngetinhlobo teluphahla etindlini letehlukene.

Bakhombisa imiphumela yabo kulegrafu yelibhuloki.

Bafaka luphawu (✓) ka-l uma babona indlu ngayinje.



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

Kungakhi kwenhlobo ngayinje 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	



Bala kutsi bangakhi bafundzi labagcoka isayizi ngayinje yelikepisi.

2 _____ 3 _____ 4 _____

Nguyiphi isayizi levame kakhulu? _____

Hlolisia! Catsanisa!
Lungisa!



11 12 13 14 15 16 17 18 19 20

97

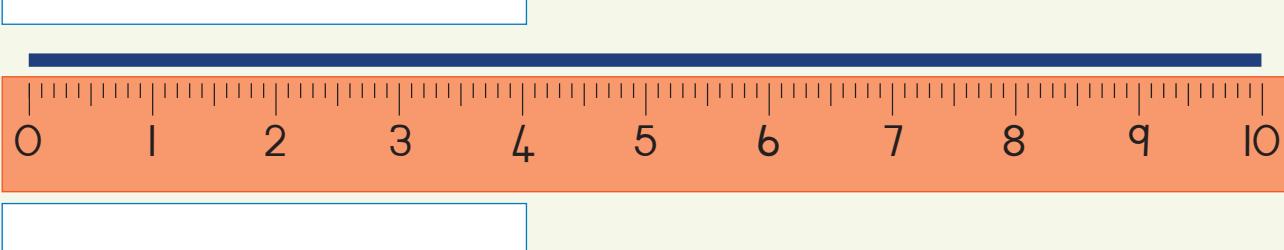
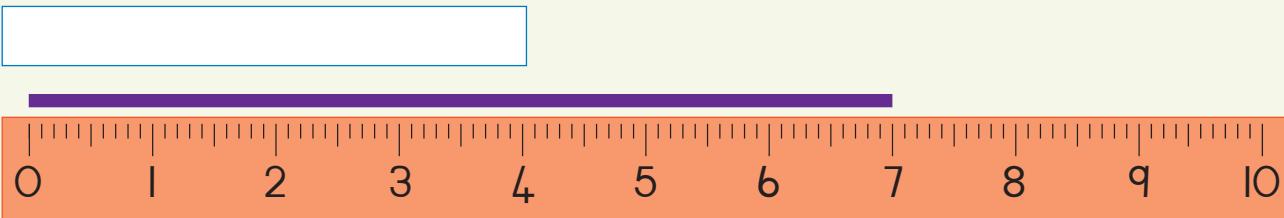
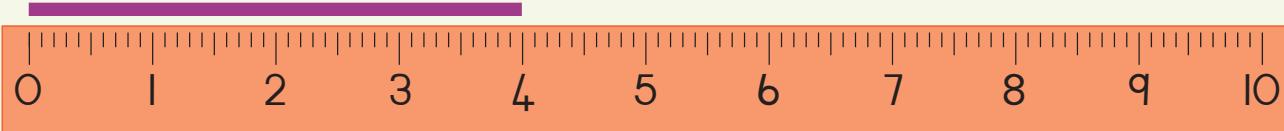
Lusuku:

Kusebenta ngemasentimitha

Ithemu 4



Mudze kanganani lomugca lonembala?



Cala wente silinganiso bese ukala imigca.
Cedzela lithebula.

Umugca	Silinganiso	Sikalo	Umehluko emkhatsini wekulinganisa nekukala



Sebentisa irula kudvweba limigca lelandzelako.

a. 10 cm

b. 7 cm

c. 15 cm



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).



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 leliputi 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 _____



11 12 13 14 15 16 17 18 19 20



q8



Lusuku:

Ithemu 4



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.

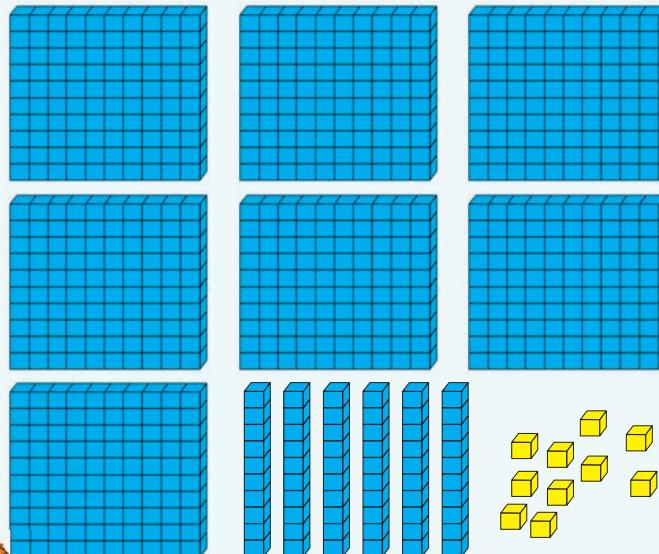
751; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 773

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

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



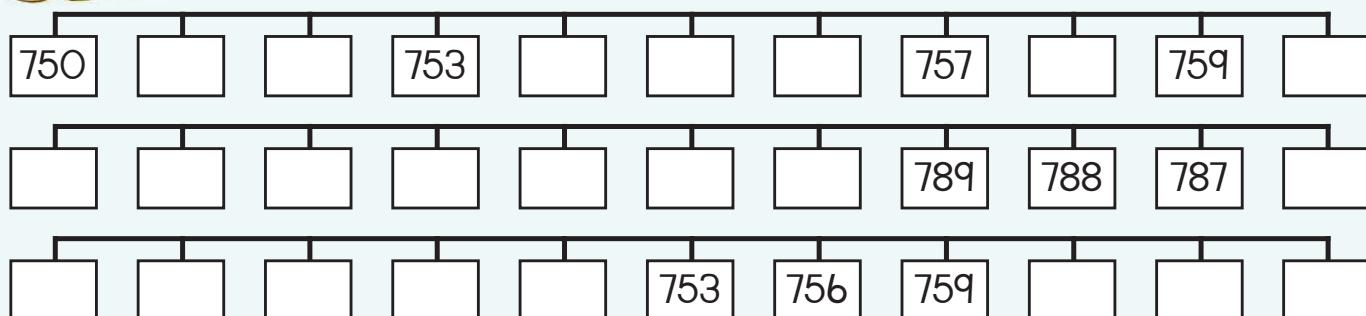
Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulokuncane
kakhulu kuye kulokukhulukati.

Bhala kusuka kulokukhulukati
kuye kulokuncane kakhulu.

776, 772, 779, 770, 778

736, 703, 730, 713, 703



Bhala lokulandzelako ngemagama.

788

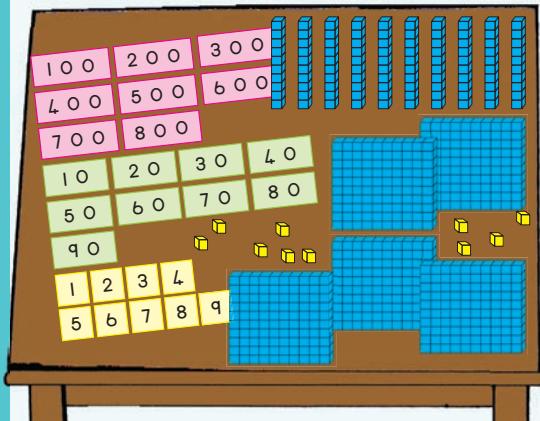
11 12 13 14 15 16 17 18 19 20

qq

Kabantu ngetinombolo kusuka ku 700 kuya ku 800

Lusuku:

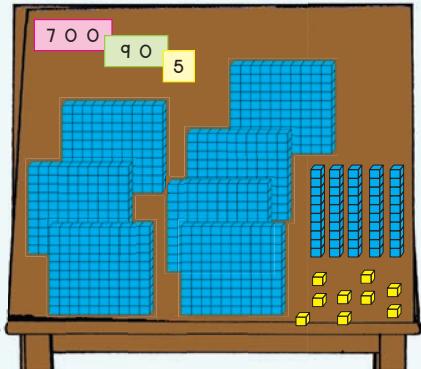
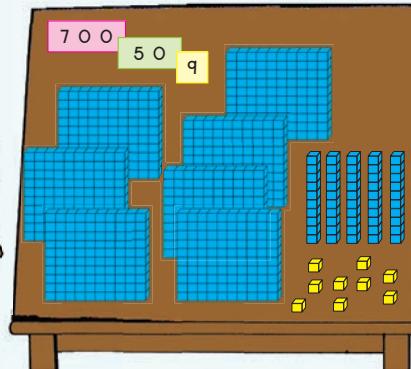
Ithemu 4



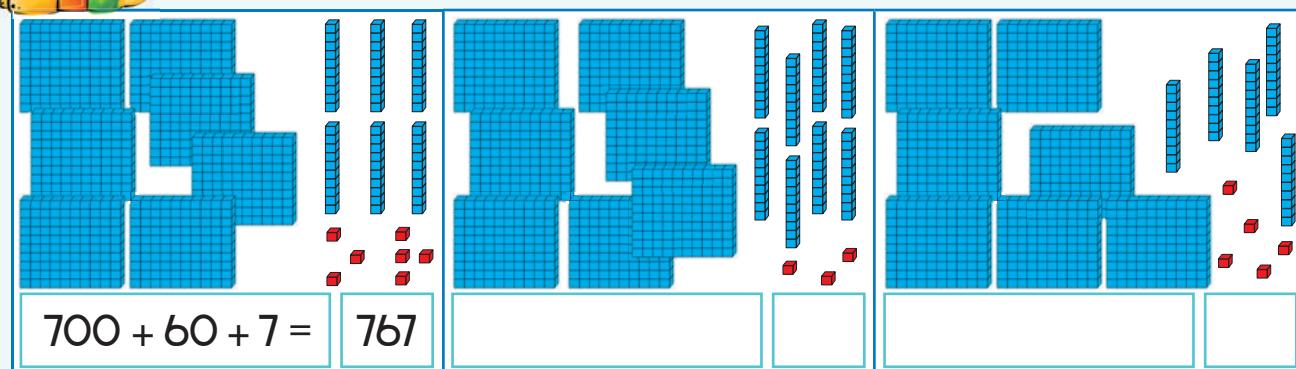
Peter bekanalamakhadi emandla-sikhundla lalandzelako kanye nemabuloki lalishumi

Thishela wacela Peter kutsi akhombise 759 ngemakhadi akhe nangemabuloki.

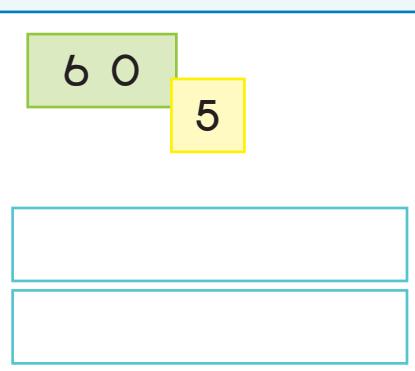
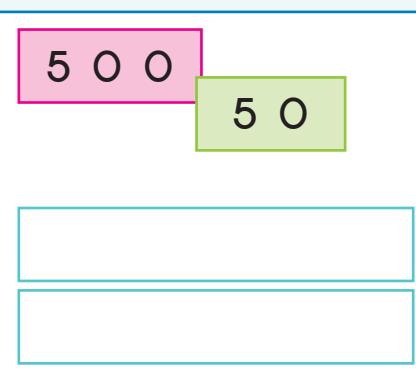
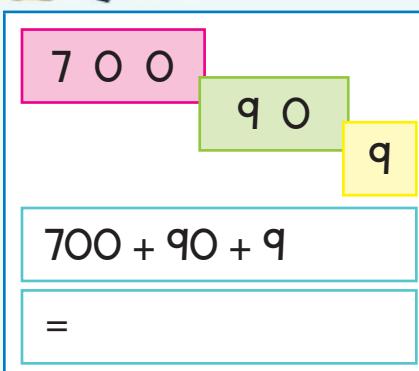
Naku lokukhonjiswe ngu Philani. Yini layonile?

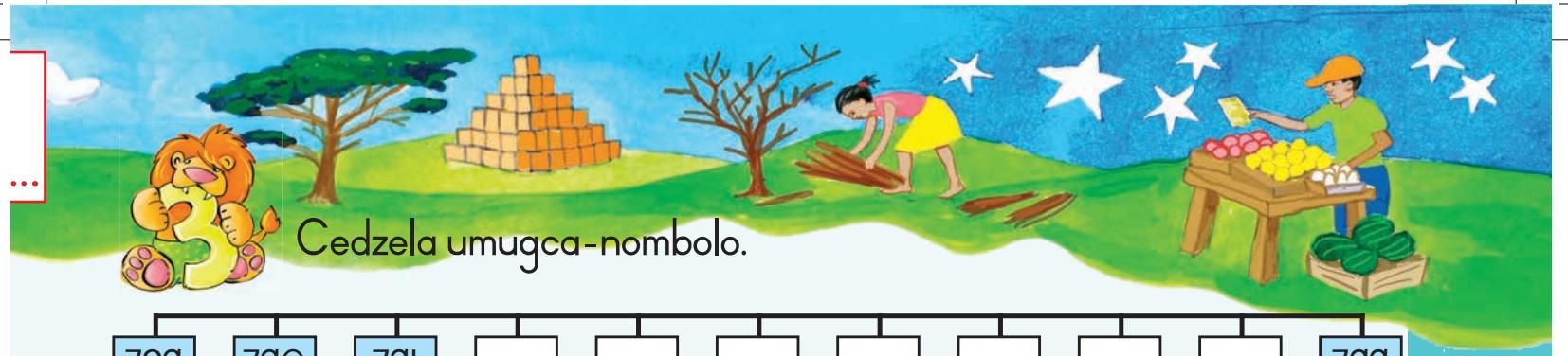


Bhala umusho-nombolo bese ubhala imphendvulo.



Bhala umusho-nombolo bese ubhala imphendvulo.





Cedzela umugca-nombolo.

789 790 791 799

Nginikete tonkhe tinombolo letincane kuna 795. _____

Nginikete tonkhe tinombolo letinkhulu kuna 795 _____



Gcwalisa <, > noma.

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

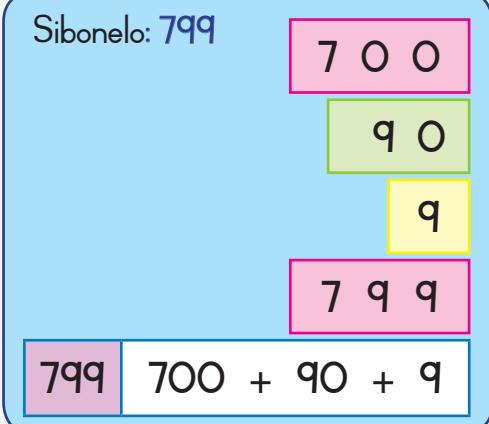


Vutfuta inombolo yakho.

- 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



Bhala tinombolo-magama.

668	
757	
799	
742	
691	



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

100



Lusuku:



Tinombolo 800 kuye ku 900

Ithemu 4

Bala ubhale.

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

800



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

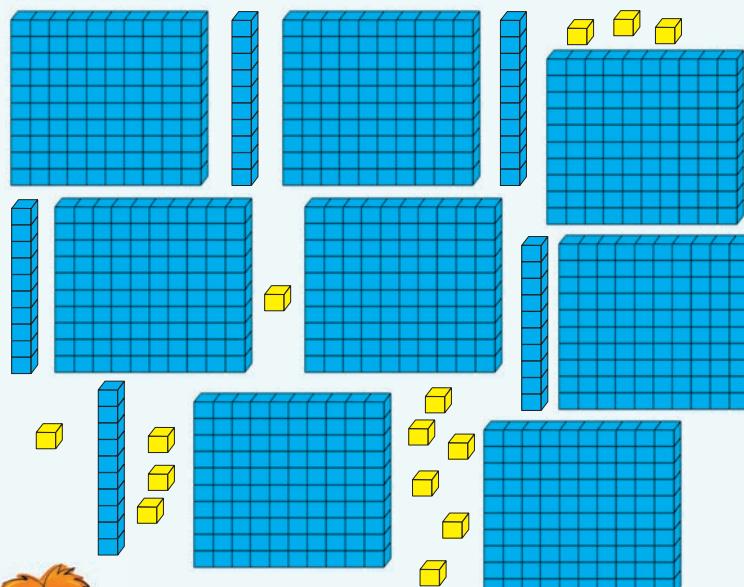
807; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 829

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

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



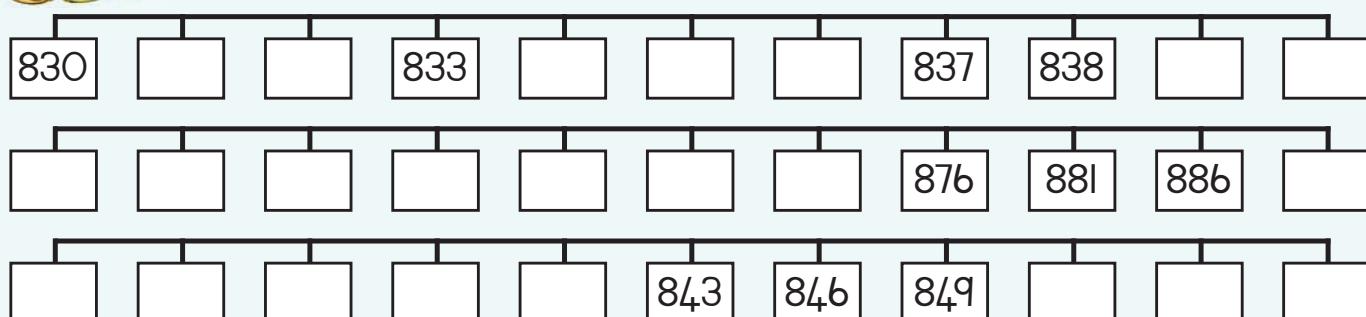
Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulencane
kakhulu kuye kulenkhulukati.

Bhala kusuka kulenkhulukati
kuye kulencane kakhulu.

856, 853, 855, 851, 857

898, 801, 810, 819, 891



Bhala lokulandzelako ngemagama.

845

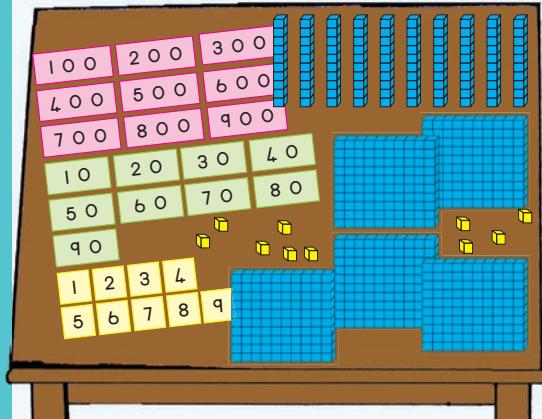
11 12 13 14 15 16 17 18 19 20

101

Kabantu ngetinombolo kusuka ku 800 kuya ku 900

Lusuku:

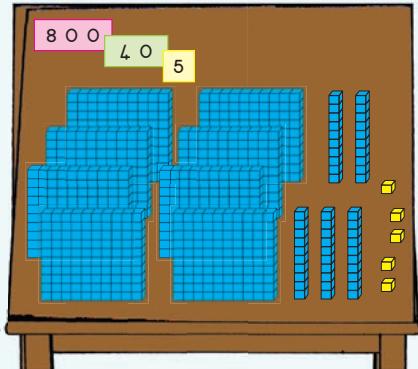
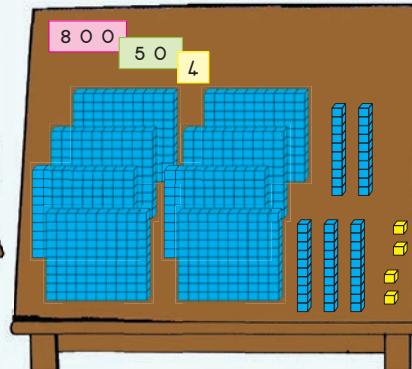
Ithemu 4



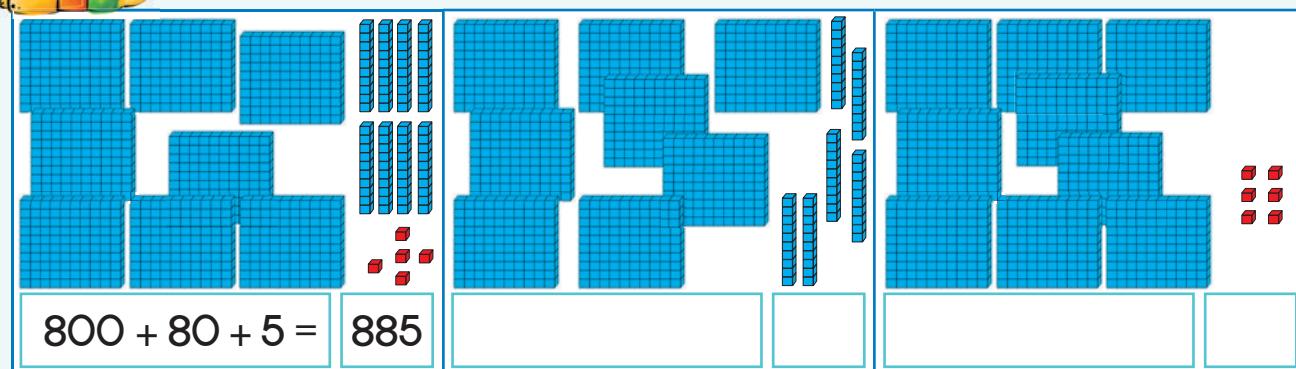
Peter bekanalamakhadi emandla-sikhundla lalandzelako nemabholoki lalishumi.

Thishela wacela Peter kutsi akhombise 854 ngemakhadi akhe nangemabholoki

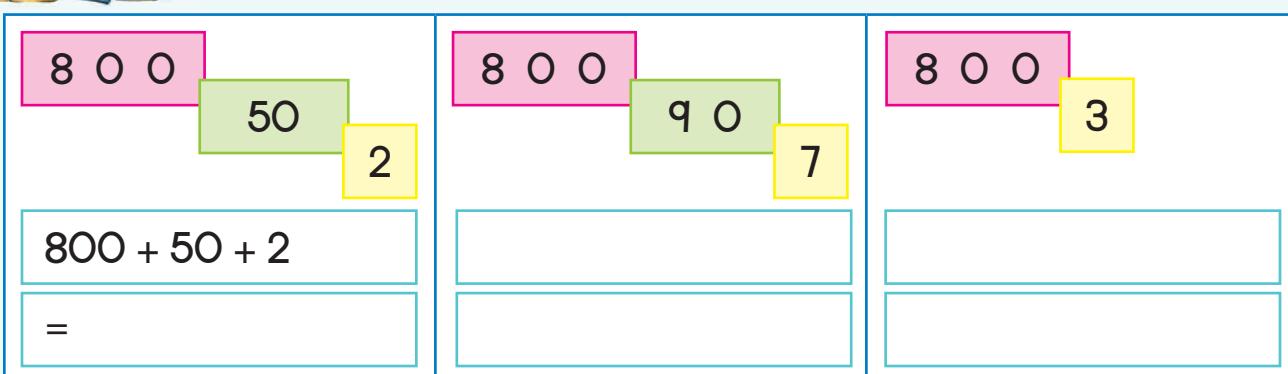
Naku lokukhonjiswe nguPhilani.
Yini layonile?

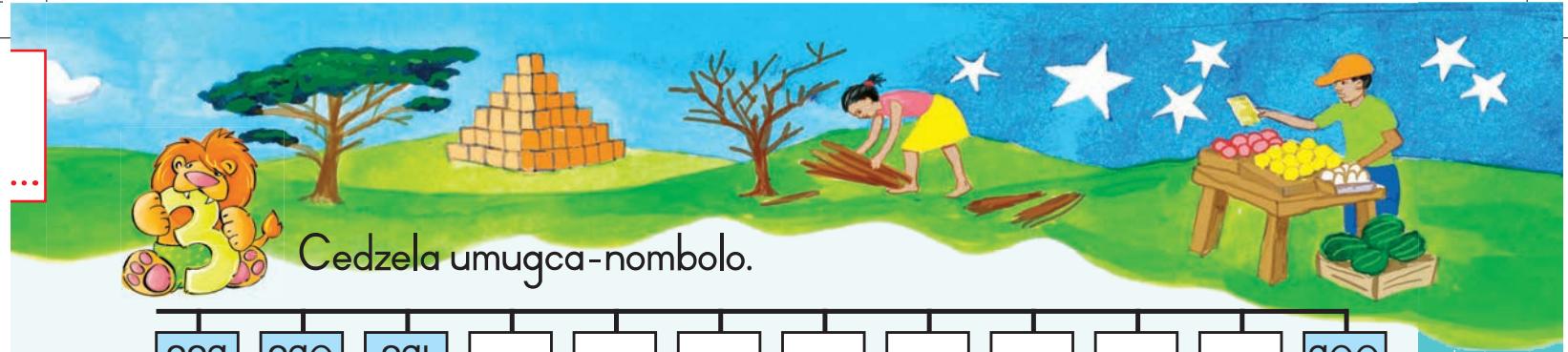


Bhala umusho-nombolo bese ubhala imphendvulo.



Bhala umusho-nombolo bese ubhala imphendvulo.





Cedzela umugca-nombolo.

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

Nginikete tonkhe tinombolo letincane kuna 894.

Nginikete tonkhe tinombolo letinkhulu kuna 894.



Gcwalisa <, > noma =

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

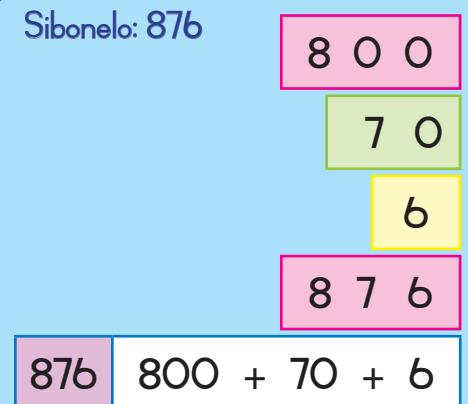


Vutfuta inombolo yakho.

- 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



Bhala tinombolo-magama.

889	
825	
803	
830	
899	



11 12 13 14 15 16 17 18 19 20

102a



Ithemu 4

Kukala tintfo

Bukisia titfombe letilandzelako uphendvule imibuto.



- Ngabe 1 kg wensipho-mphuphu yekuwasha, umelula noma uyesindza kuna 2 kg wensipho-mphuphu yekuwasha?
- Yini lemelula: Emakhoniflesi langu 500 g noma emabhisikidi langu 200 g?
- Yini leyesindzako: 100 g wekhirimu yebuso noma 1 kg welipaka lesitambu?



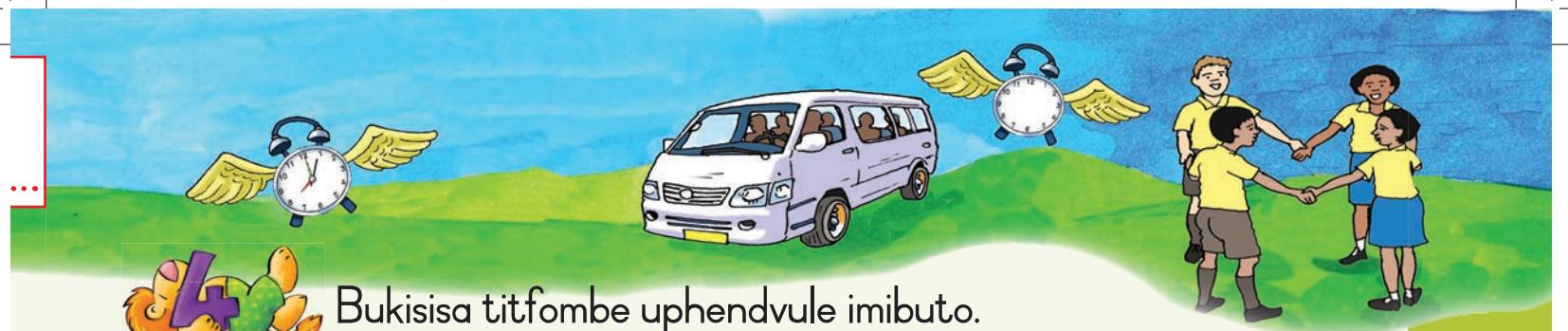
Senta sisindvo sini sesisonkhe ndzawonye?

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

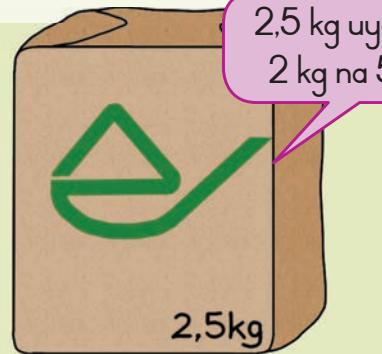


Sitsini sisindvo semikhicito seyindzawonye?

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



Bukisisa titfombe uphendvule imibuto.



2,5 kg uyafana na
2 kg na 500 g.

Ngingambhala kanjani 3,5 kg
ngemakhilogremu
nangemagremu?



Cedzela lithebula.

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

Intfo	Silinganiso	Sikalo	Umehluko emkhatsini wesilinganiso nesikalo



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.



102b

Asichubeke ngesisindvo

Lusuku:

Ithemu 4

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.

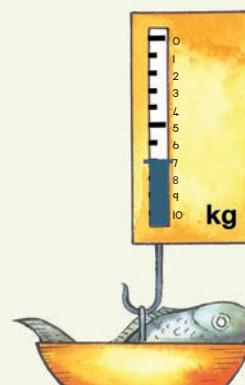
Emhlaben iemisebentini yamalanga onkhe sisebentisa tikalo letifanako kukala kwesindza nesisindvo. Sikala kwesindza **ngemakhilogremu nangemagremu**.

Tikali letehlukene

Sisebentisa tinhlobo letehlukene tetikali kukala kwesindza nesisindvo.

Sikala kwesindza ngesikali-masimama bese sisindvo sisikala ngesikali-magcuma.

Ilitha yemanti inekwesindza kwa 1 kg.

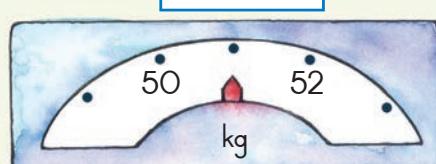
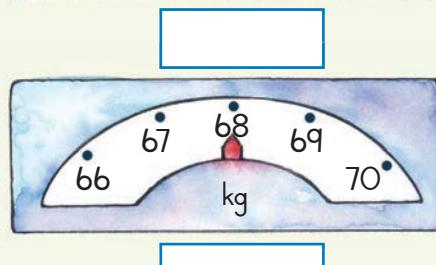
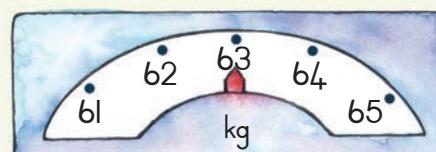
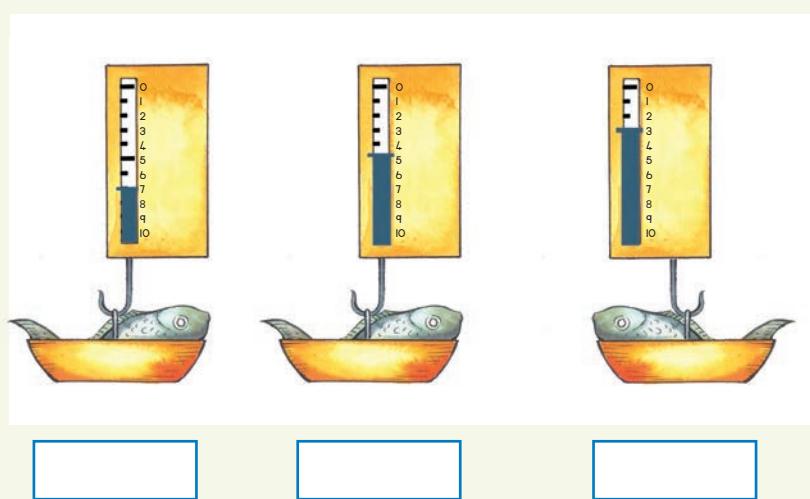


Lenhlanti inesindvo sa 3 kg.



Tfola sisindvo saloku.

Bhala sisindvo ngema kg lakhonjiswa kuleso naleso sikali-magcuma.

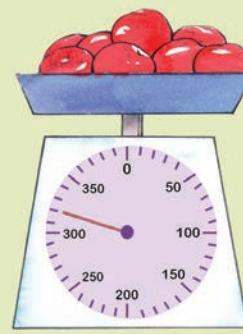




Sisebentisa emagremu kukala kwesindza kwetintfo letincane noma letimelula nekukala emafrakishini elikhilogremu.

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

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



Kwesindza kanganani?

Dweba lapho butjoki kufute buye khona sonkhe sikhatsi esikalini.



7 kg



4 kg



6 kg



Yenta likhilogremu

Hlanganisa uchubeke kwenta 1 kg (1 000 g.)

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



103

Lusuku:

Tinombolo 900 kuya ku 1 000

Ithemu 4



Bala ubhale.

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

900



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.

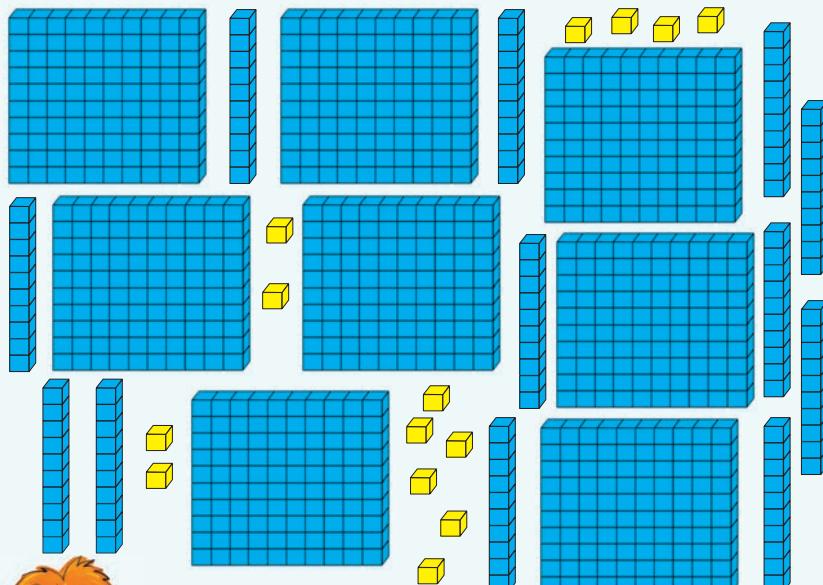
945; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 967

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

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



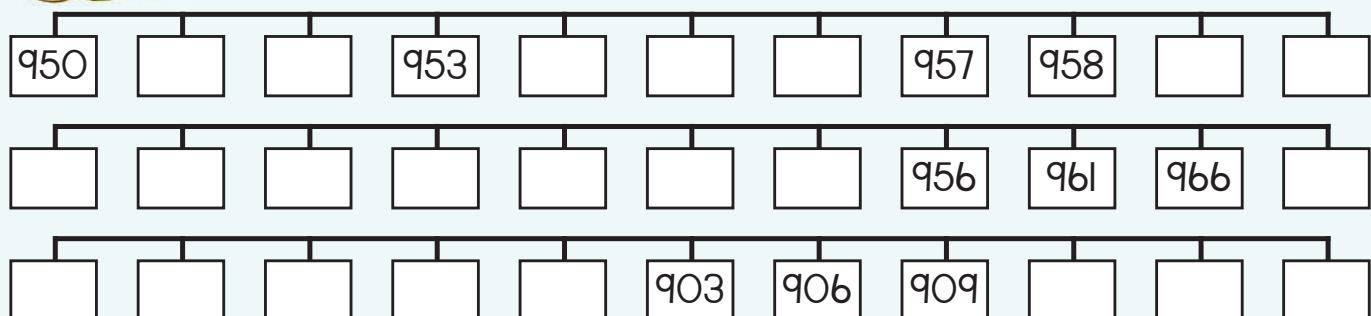
Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulokuncane
kakhulu kuya kulokukhulukati.

Bhala kusuka kulokukhulukati
kuye kulokuncane kakhulu.

936, 933, 935, 931, 937

978, 907, 970, 917, 971



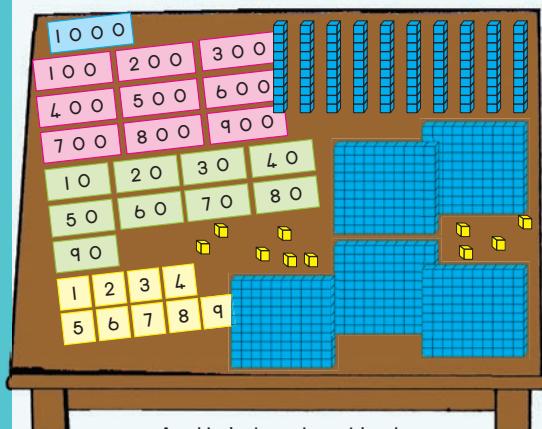
Bhala lokulandzelako ngemagama.

695



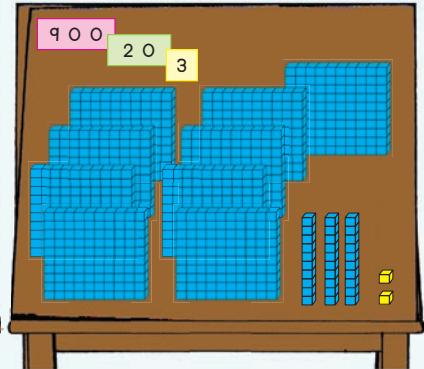
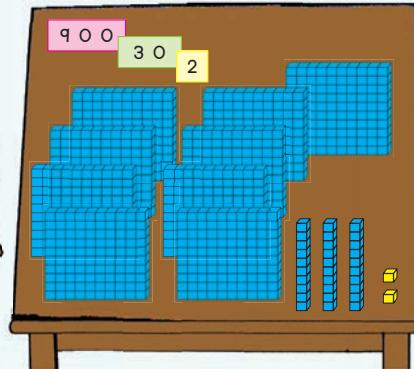
Kabantu ngetinombolo kusuka ku 900 kuya ku 1 000

Ithemu 4

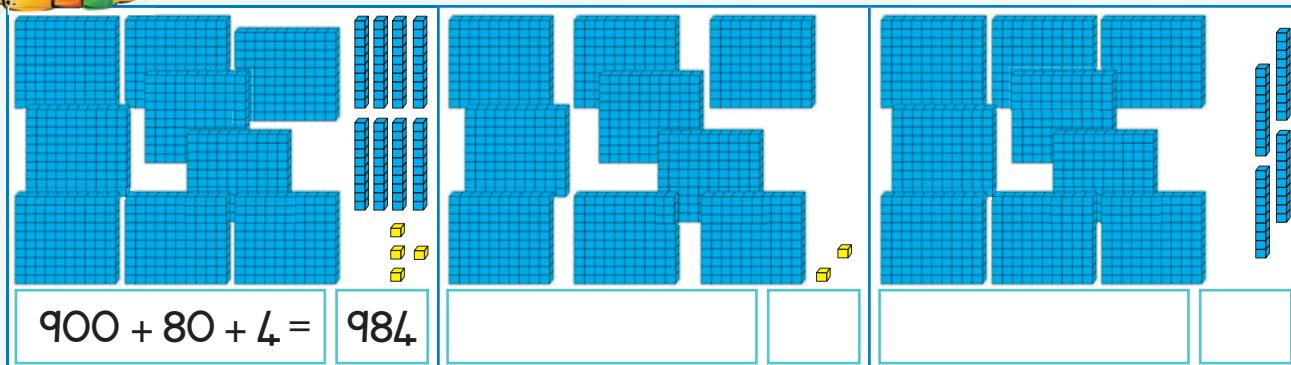


Thisela wacela Andile kutsi akhombise 932 ngemakhadi akhe nangemabhlولي.

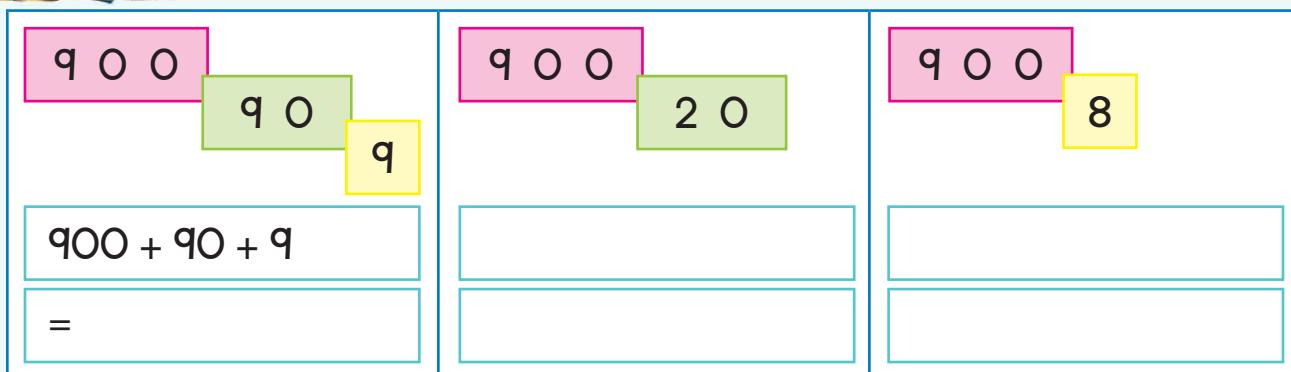
Naku lokwakhonjisa nguGugu.
Uphazame kuphi?

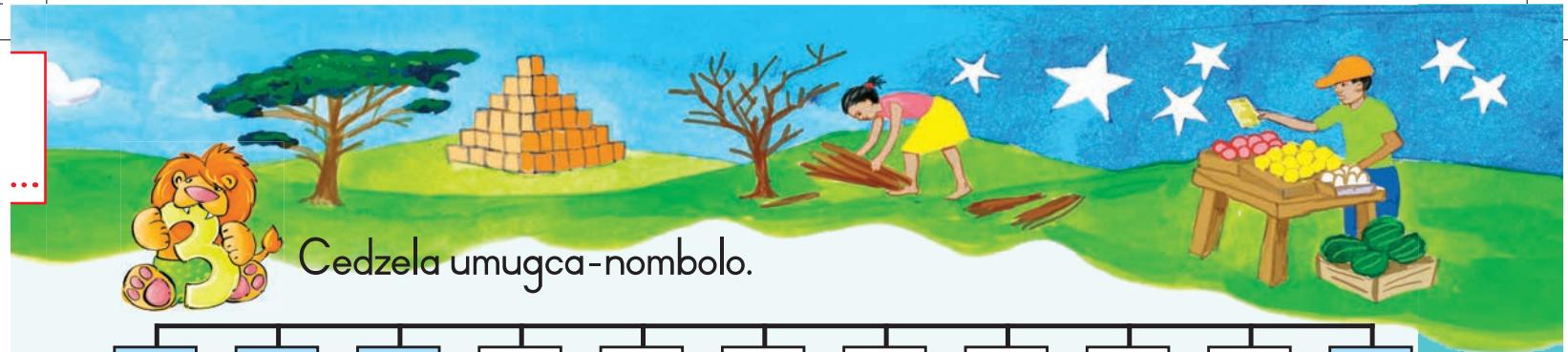


Bhala umusho-nombolo bese ubhala imphendvulo.



Bhala umusho-nombolo bese ubhala imphendvulo.





Cedzela umugca-nombolo.

989 990 991 999

Nginikete tonkhe tinombolo letincane kuna 995.

Nginikete tonkhe tinombolo letinkhulu kuna 995.



Gcwalisa $<$, $>$ noma.

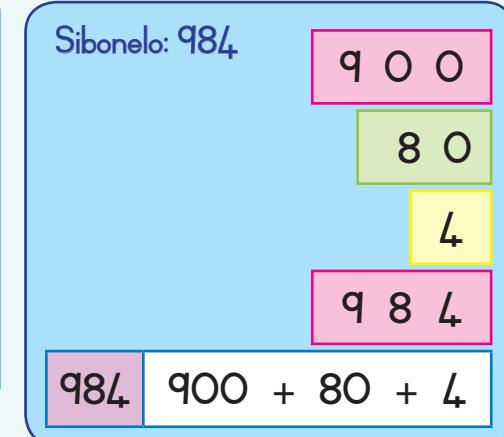
- a. 999 998 b. 957 975
c. $900 + 60 + 1$ 961



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	



Bhala tinombolo-magama.

976	
905	
950	
821	
909	



11 12 13 14 15 16 17 18 19 20

105

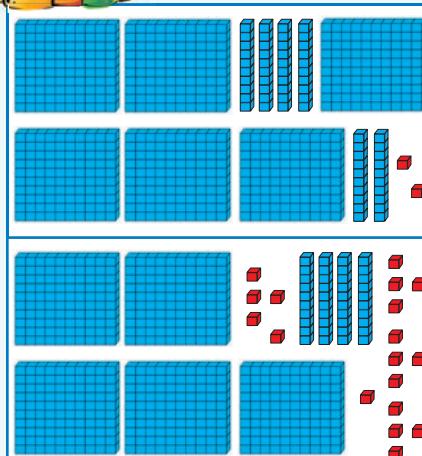
Kuhlanganisa nekususa kuye ku 999

Lusuku:

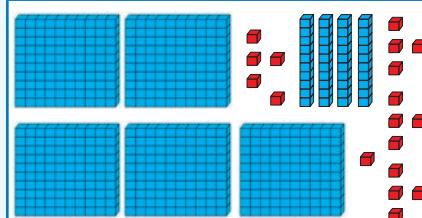
Ithemu 4



Bhala umusho-nombolo waloko naloko.



Chaza kutsi uwabale njani emabholoki?



Chaza kutsi uwabale njani emabholoki.



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. $66 + 67 =$		



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

a. Phindza 340

$$= 340 + 340$$

$$= \text{Phindza } 340$$

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

$$= 600 + 80$$

$$= 680$$

b. $340 + 341$

$$= \text{Phindza } 340 + 1$$

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

$$= 600 + 80 + 1$$

$$= 681$$

c. $470 + 470$

d. $461 + 462$



Sombulula lokulandzelako:



BeLibanga 2 bacokelele 360 wetimabula.

BeLibanga 3 bana 216 wetimabula ngaphasi kwabeLibanga 2.

Tingakhi timabula beLibanga 3 labanato?



Lusuku:



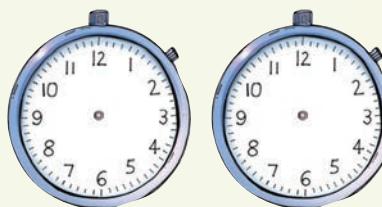
Lilanga lekubhaka.

Ncane Phindi ubhaka likhekhe ku-avini yakhe.

Khombisa sikhatsi kulamawashi.

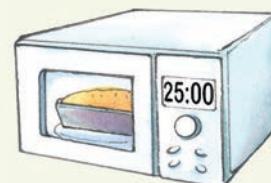
Ufaka likhekhe ngakota phasi 4.

Ukhipha sinkhwa ngemizuzu lesihlanu emva kwensimbi yesihlanu.



Litsetse sikhatsi lesinganani likhekhe kuvutfwā?

Make wa-Ana usebentisa imakhovevi avini. Iyasheshisa.



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

Litawuvutfwā nini lelikhekhe?

Isheshisa kanganani imakhovevi avini kundalena 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 yemgezelō	10:00	10:25	
Hlobisa emakamelo	11:30	12:15	



Nisela ingadze.

Litfumbu lemanti lingasebentisa kufika ku **30 emalitha**
emanti nga **1 imizuzu!**

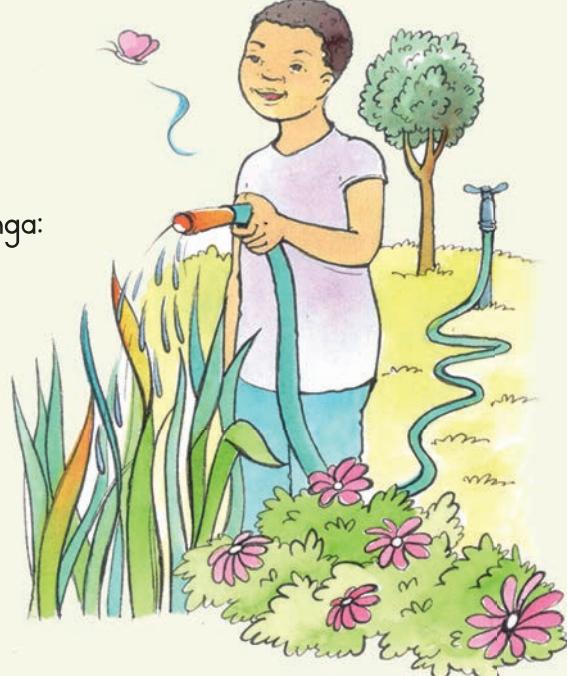
Mangakhi emalitha emanti litfumbu lelingawasebentisa nga:

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? _____.

Hlolisa!
Catsanisa! Lungisa!



Teacher:
Sign:
Date:

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Lusuku:

Kusebenta ngemali

Ithemu 4



Bala buhhehlu nemaphepha.

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

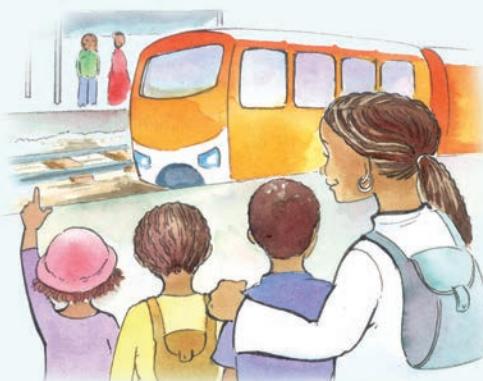


Luhambo lwestimela.

Kgethi nebantfwana bakhe laba-3 bagibela sitimela.

Labadzala nebantfwana babhadala ngekufana.

Kgethi ubhadala ngemaphepha.



Utfola R30 intjintji.

Yini intsengo yaku-l lefakwe lumphawu (✓)? Faka lumphawu emphendvulweni lengiyo:

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

Hlolisa!
Catsanisa!
Lungisa!



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 + R175 + R50 + R320 + R90	
Lesitsatfu	R50 + R75 + R200 + R350 + R25	
Lesine	R120 + R55 + R180 + R245 + R25	
Lesihlanu	R60 + R150 + R140 + R200 + R125	
UMgcibelo	R50 + R75 + R200 + R350 + R25	
Lisontfo	R50 + R75 + R200 + R350 + R25	



Bala kahle intjintji.

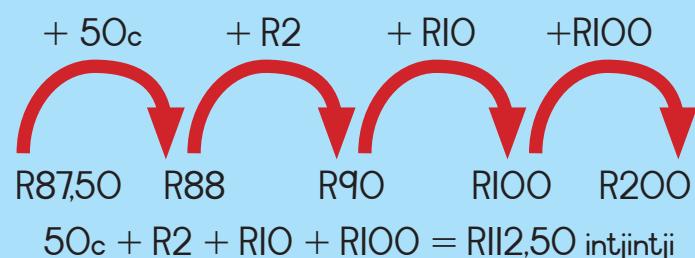
Kutfola intjintji yakho ungaahlanganisa uchubeke kusuka kulentsengo yetintfo kuye emalini yemaphepha loyikhiphako.

Sibonelo:

Palesa utsenga kudla nga R87,50.

Ubhadala nga R200 weliphepha.

Ngumalini intjintji yakhe?



Sebentisa imigca-nombolo kukusita ubale kahle intjintji.

Intsengo: R229,40



Bhadala
nga:



Intsengo: R305,60



Bhadala
nga:



Siyachubeka ngekuhlanganisa nekususa kufika ku 999

Lusuku:



Ase sisombulule lesibalo-nkinga.

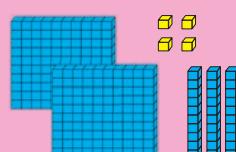
Gugu ucokelele 234 wetinanyatsiselo.

Mandla umnike 501 wetinanyatsiselo ngetulu.

Tingakhi tinanyatsiselo lase anato-ke nyalo?



Naku Lisa lakwentile
kusombulula inkinga yaGugu.



Utsini umbuto?

Tingakhi tinanyatsiselo lase anato-ke nyalo?

Litsini ligama-nsika? ngetulu

Ngutiphi letinombolo? 234 na 501

Ase sikhombise loku ngemabhaluki etfu
esisekelo-shumi.



Naku lokwentiwe ngu-Aakar.

Wente umdvwebo.



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

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

Indlala 1

Indlala 2



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 lumphawu emphendvulweni lengiyo. Ligama-nsika lisitjela kutsi: <input type="button" value="Hlanganisa"/> <input type="button" value="Susa"/> <input type="button" value=""/>
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 lumphawu emphendvulweni lengiyo. Ligama-nsika lisitjela kutsi: <input type="button" value="Hlanganisa"/> <input type="button" value="Susa"/> <input type="button" value=""/>
Yenta umdvwebo.	Sebentisa yakakho indlela kusombulula lesibalo-nkinga.



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Kuhlanganisa

nekususa kufika ku 999 njalo

Lusuku:

Ithemu 4

Bukisia lemidvwebo ujichaze.



Cedzela lokulandzelako:

- a. $223 + 223 =$ _____.
- b. $160 + 160 =$ _____.
- c. $115 + 115 =$ _____.
- d. $315 + 315 =$ _____.

- e. $117 + 117 =$ _____.
- f. $450 + 450 =$ _____.
- g. $112 +$ _____ $= 224.$
- h. $116 +$ _____ $= 232.$



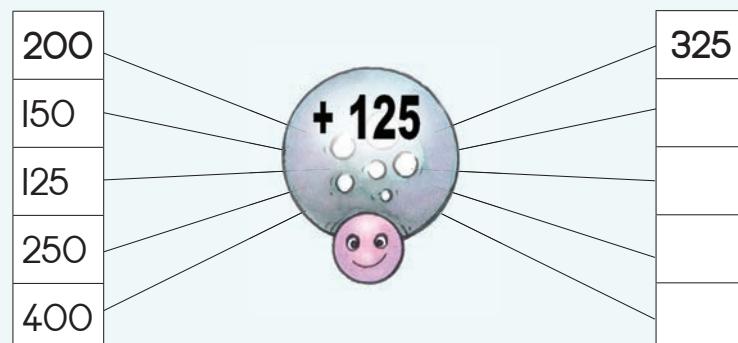
Bhala tinombolo

- a. 12 ngetulu kwa 523 ngu _____.
- b. 15 ngaphasi kwa 540 ngu _____.
- c. 20 ngetulu kwa 576 ngu _____.
- d. 60 ngaphasi kwa 590 ngu _____.

- e. 537 unciphise nga 29 ngu _____.
- f. Ihhafu ya 300 ngu _____.
- g. Mphindza-mbili wa 420 ngu _____.
- h. Ihhafu ya 600 ngu _____.



Hlanganisa 125





Yini leyenta i-1 000?

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

Tfola iminden-i-nombolo yabo + na –

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



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

Hholisa!
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 lagcwale (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:

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



11 12 13 14 15 16 17 18 19 20

110



Lusuku:

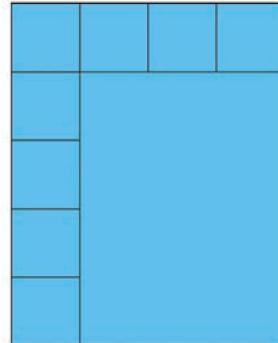
Ithemu 4



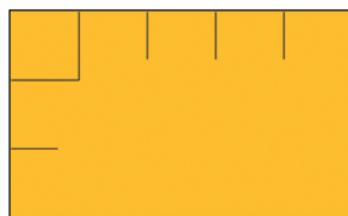
Tfola i-eriya

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

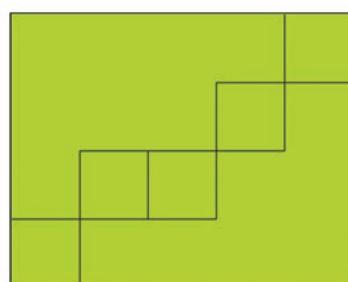
a.



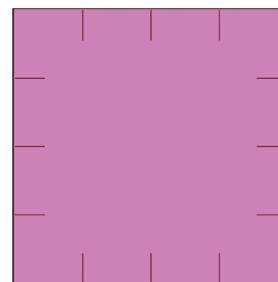
b.



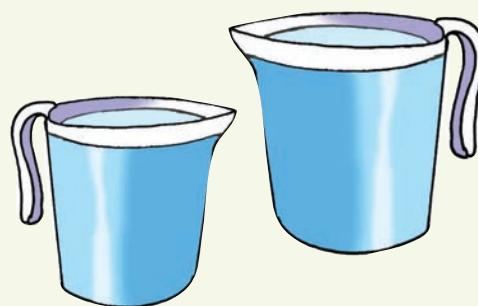
c.



d.



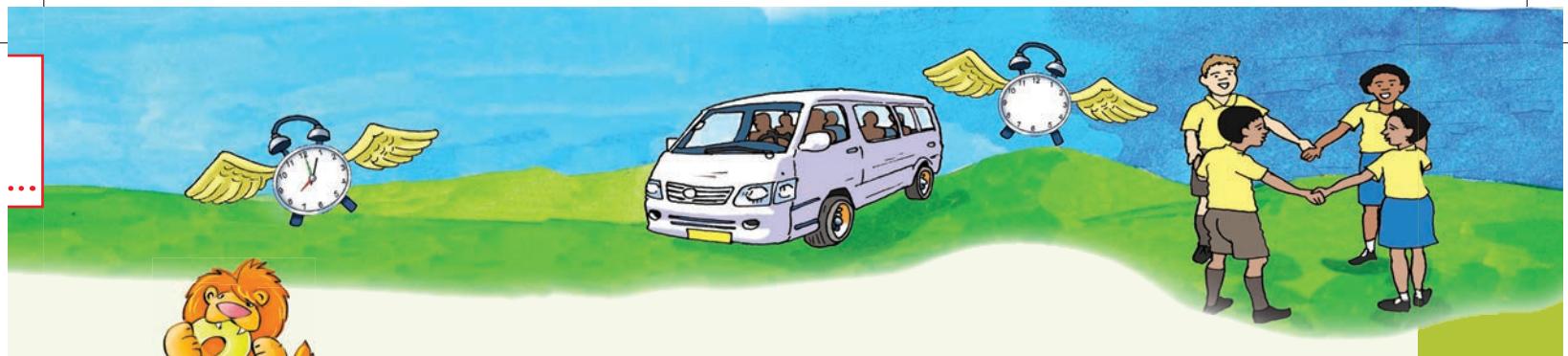
Sombulula lesiphicwano



Ufunu kukala kahle ngco 4 emalitha emanti.

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

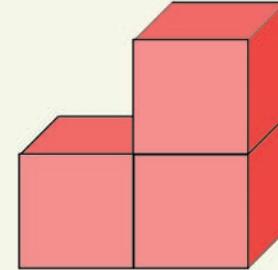
Licebo: kunatimbili tindlela cishe longatisebentisa.



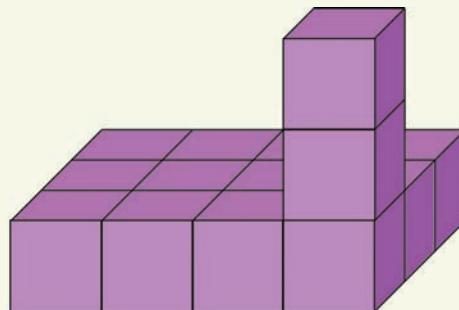
Ubonani?

Emabhuloki lamatsatfu ananyatseliswe ndzawonye njenga kulesitfombe.

Uma uphakamisa lamabhuloki lahlanganiswe ndzawonye tingakhi tikwele longatibala ngephandle? _____



Bala emakhyubhu



Mangakhi emakhyubhu lakakha lobunjwa?



Insayeya: siphicwano sesikhatsi.

Hlolisa!
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?



11 12 13 14 15 16 17 18 19 20



Emaphethini nombolo: emashumi kufika ku 900

Lusuku:

.....

Ithemu 4

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. $855 - 10 =$ _____



Tingakhi tindvuku?

Kunelishumi letindvuku enyandzeni



wetindvuku



$$1 \quad \text{[Illustration of 1 bundle]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$2 \quad \text{[Illustration of 2 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$3 \quad \text{[Illustration of 3 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$4 \quad \text{[Illustration of 4 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$5 \quad \text{[Illustration of 5 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$6 \quad \text{[Illustration of 6 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$7 \quad \text{[Illustration of 7 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$8 \quad \text{[Illustration of 8 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$9 \quad \text{[Illustration of 9 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

$$10 \quad \text{[Illustration of 10 bundles]} = \underline{\hspace{2cm}} \text{ wetindvuku}$$

10

20

30

40

50

60

70

80

90

100

wetindvuku



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



$$10 \times 10 = 100$$

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

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

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



700 wetindvuku wenta tinyandza.

900 wetindvuku wenta tinyandza

1000 wetindvuku wenta tinyandza.



112

Kusonga usondzete eshumini

Lusuku:

Ithemu 4

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



Khumbula kubukisisa emayunithi nawusonga usondzeta ku 10 losedvute.



Songa usondzete ku 10 losedvute.



114 nakasongiwe ngu? _____

117 nakasongiwe ngu? _____



159 nakasongiwe ngu? _____

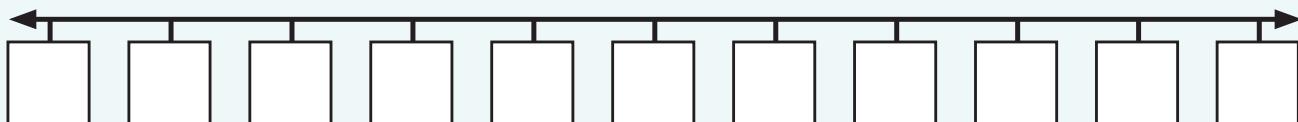
151 nakasongiwe ngu? _____



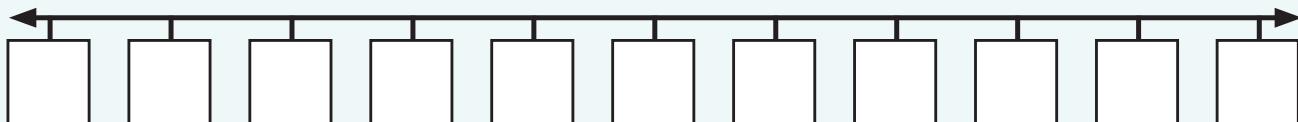
Songa kuye ku 10 losedvute.

Dvweba wakakho umugca-nombolo.

195



945



100

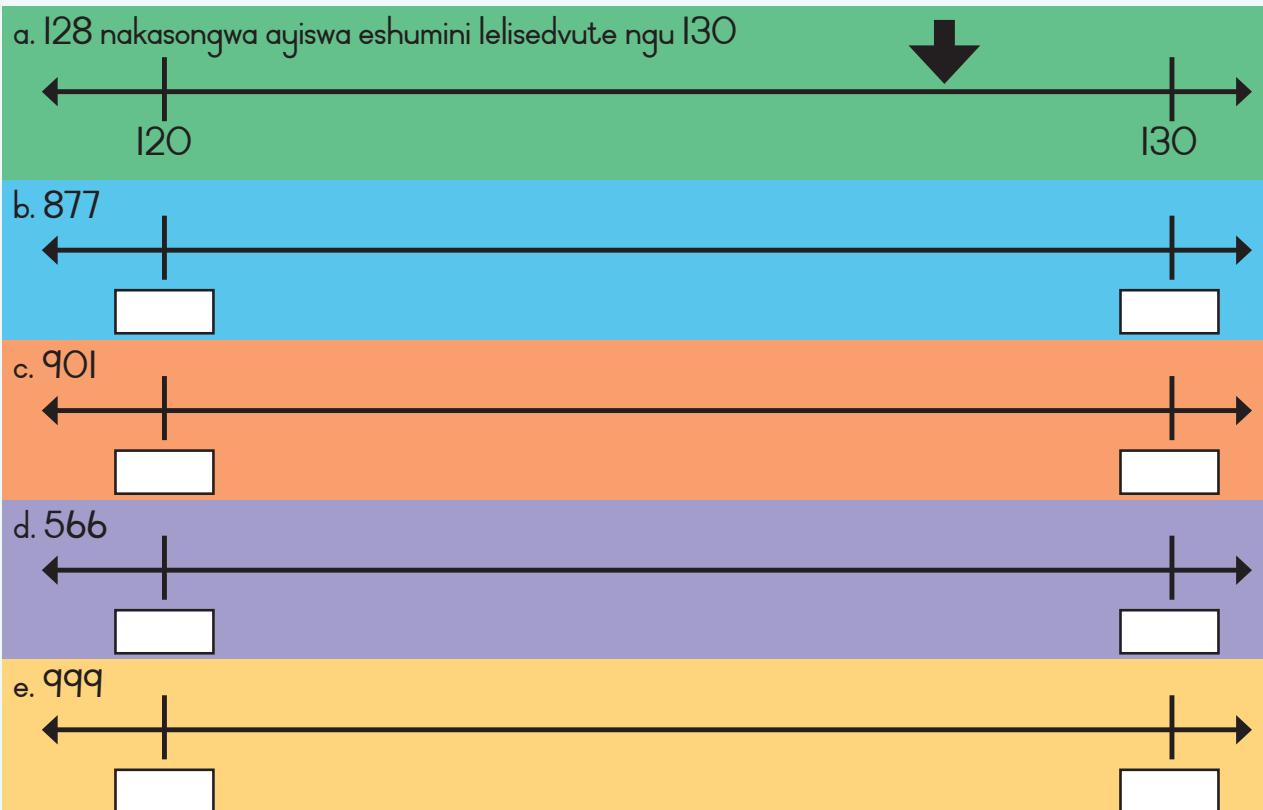
1 2 3 4 5 6 7 8 9 10



Songa usondzete kunombolo 10 lesedvute.

Ungakasongi:

- bhala phasi kutsi lenombolo lotayisonga isemkhatsini watiphi tinombolo letimbili telishumi.
- khombisa ngebutjoki lobuncama lapho inombolo itawusongwa khona emgceni nombolo.



Songa letinombolo letilandzelako tiye ku 10 losedvute.

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



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?



113

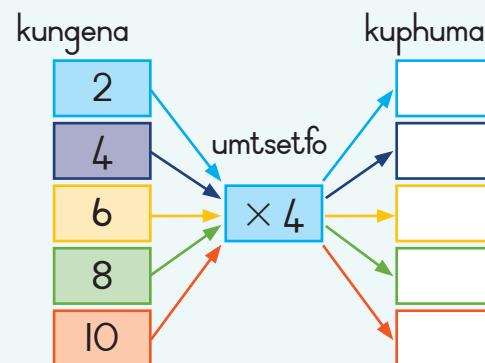
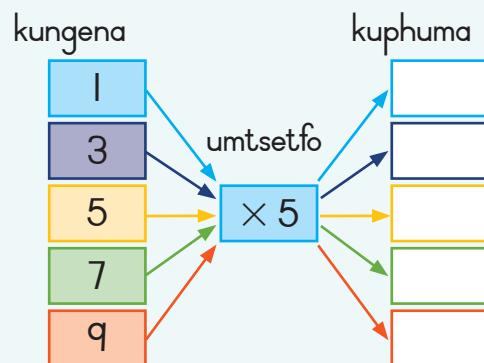


Lusuku:

nekwehlukanisa: tihlanu kufika ku 100



Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:



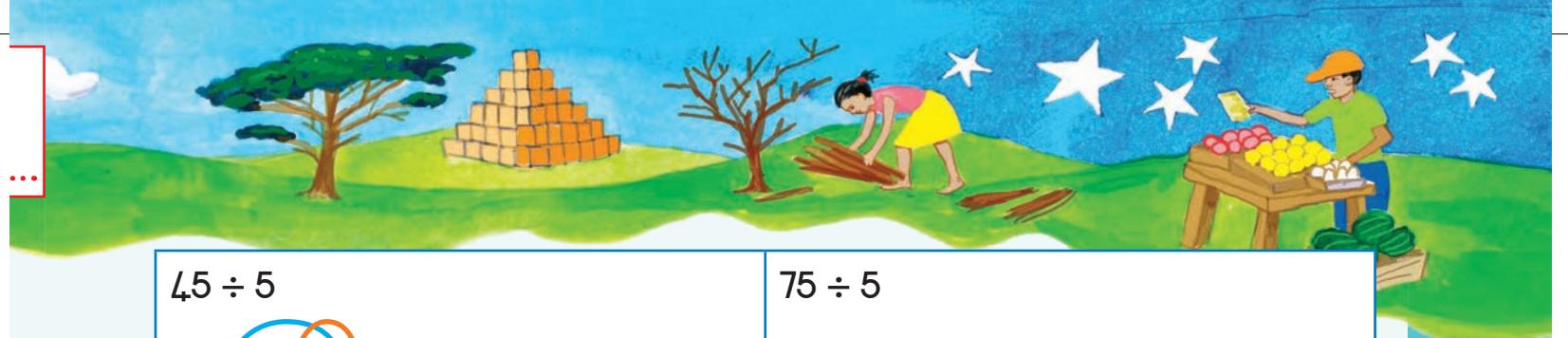
Khakhuletha:

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

|| × 5

$$\begin{aligned}
 & |3 \times 5 \\
 & = (|0 + 3) \times 5 \\
 & = 50 + |5 \\
 & = 50 + 10 + 5 \\
 & = 65
 \end{aligned}$$

|3 x 5



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= q$$

$$75 \div 5$$

$$48 \div 5$$

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

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

$$= 8 + 1 \text{ umsa} \text{ela } 3$$

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



Sombulula tibalo-nkinga letilandzelako:

Ingadze yetibhidvo ina 14 wemahele etitjalo.

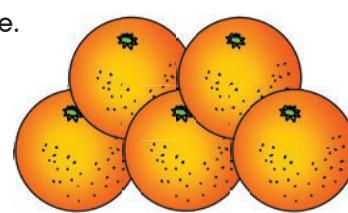
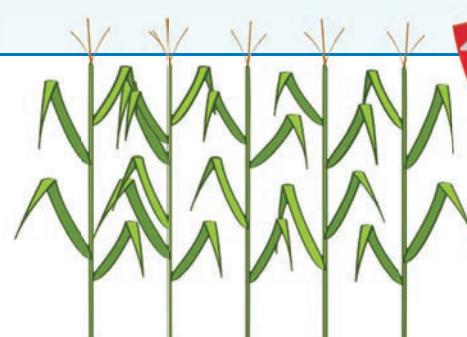
Luhele ngalunye lunelinani lelifanako letitjalo.

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

David utsengisa emasaka lanesihlanu sema-orintji lilinye.

Una 85 ema-orintji.

Mangakhi emasaka langawagcwalisa?



Emaphethini nombolo:

tihlanu kufika ku 1 000

Lusuku:

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. $853 - 5 - 5 - 5 =$ _____



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?



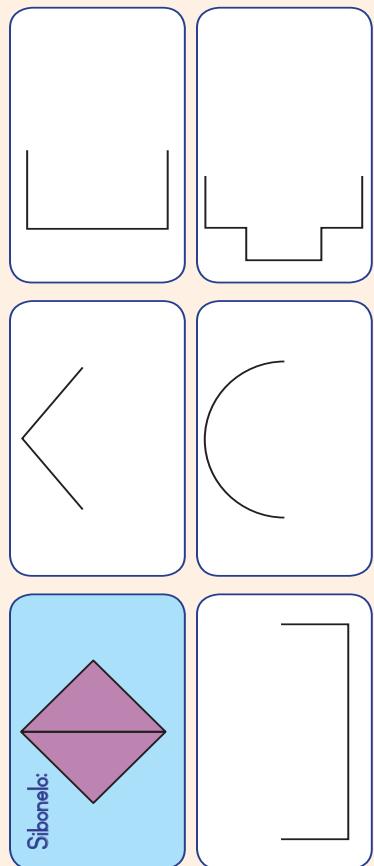
Cedzela emaphethini.

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, _____	

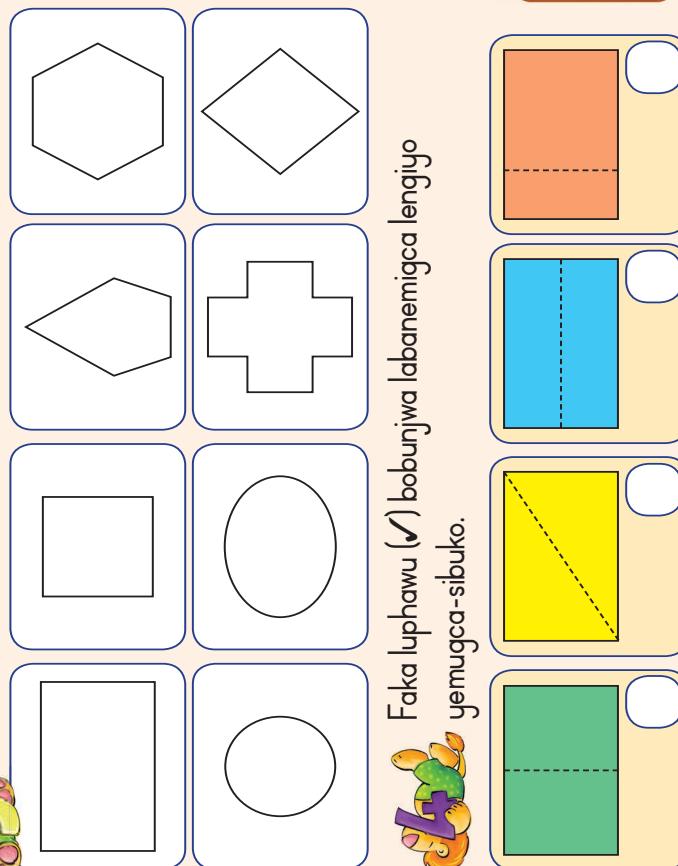




Dwweba lela lelinye licala labunjwa.
Chubeka ukhombise lomugca yemugca-sibuko.



Dwweba imigca yemugca-sibuko kuloku lokulandzelako:

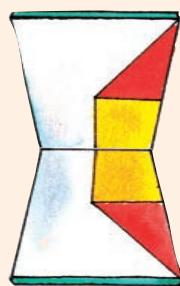


11 12 13 14 15 16 17 18 19 20



Lasuku

Sichubeka ngemugca-sibuko



Tibuke tsekwané.

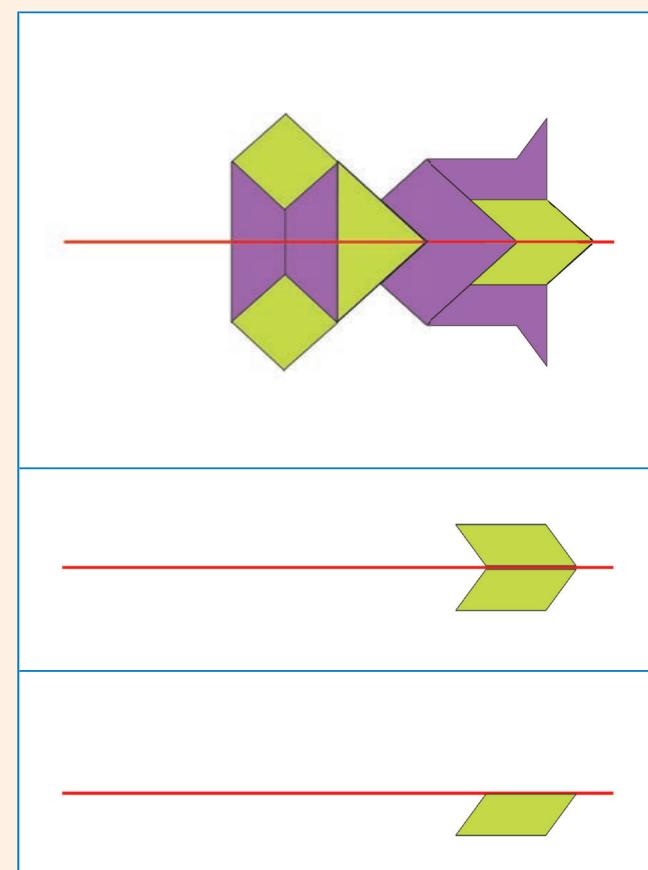
Diala nemlingani usebentisa yinje yemasethi etimpheca temathaqili (letina 14 wetincetu) kusuka kulokusikiwe 10.

Umdlali ngamunye unahhafu wetincetu [7 wetincetu] tabobunjwa bennathaqili-mpheca.
Kute nalunye lucetu lokufute lufane nalolunye.

Dwweba umugca dhambé ngco emkhatsini weipheshana. Lokukutaba angu "mugca mafanisa".

Umdlali wekucala ubeka lunye lwetincetu takhe madvute hemugca.

Kufute lutsintse umugca nomu nunge wabobunjwa lase bavele babekwe.



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 ngalakulingangane	Kubala _____
Bhalo phasi lephethini	Kubala _____
Lemembala boluhata	Kubala _____
Bhalo phasi lephethini:	Kubala _____



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 =

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

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



Bomashijana nabomalinganisa.

a. Dwomba () eceleni kwetinombolo malinganisa.

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

b. Phendvula nge malinganisa noma mashijana.

Hllanganisa timbili tinombolo mashijana. Utsole inombolo _____.
Hllanganisa timbili tinombolo malinganisa. Utsole inombolo _____.
Ullanganisa tintsatfu tinombolo mashijana. Utsole inombolo _____.



Kutjala tihlahla.

Lenangulenye yetindlela tekutjala 48 wetihlahla ngemahela lalinganako.

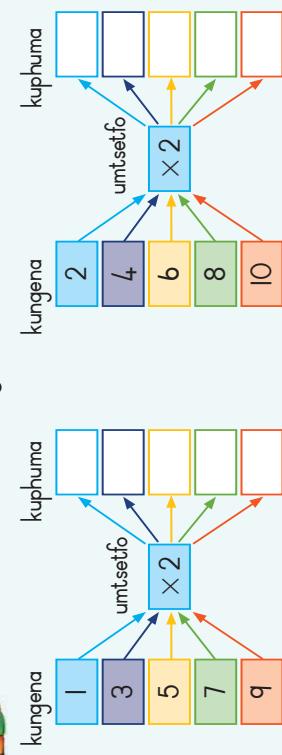


Singabhabda: $2 \times 24 = 48$ (2 emahela a 24 wetihlahla = 48) noma $48 \div 2 = 24$, (48 wetihlahla tibekwe noga 2 emahela lalingandku kuriketa 24 wetihlahla ngeluhela). Bala emahela netihlahla esitfombeni ngasinyu ngentasi. Bhalo \times na \div ngemusho-nombodo kucondanzisa.

a. _____ \times _____ = _____	b. _____ \div _____ = _____	c. _____ \times _____ = _____	d. _____ \div _____ = _____
_____ \times _____ = _____	_____ \div _____ = _____	_____ \times _____ = _____	_____ \div _____ = _____
_____ \times _____ = _____	_____ \div _____ = _____	_____ \times _____ = _____	_____ \div _____ = _____
_____ \times _____ = _____	_____ \div _____ = _____	_____ \times _____ = _____	_____ \div _____ = _____

Kuphindaphindza nekwehlukanisa: ngakubili kufika ku 100

Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:

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



Khakhuletha:

12×2	11×2
$= (10 + 2) \times 2$ $= 20 + 4$ $= 24$	$= (10 + 1) \times 2$ $= 20 + 2$ $= 22$



$$4b \div 2$$

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

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

$$= 20 + 3$$

$$= 23$$

$$47 \div 2$$

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

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

$$= 20 + 3 \text{ umsdelo!}$$

$$= 23 \text{ umsdelo!}$$

$$74 \div 2$$

$$= (70 + 4) \div 2$$

$$= (70 \div 2) + (4 \div 2)$$

$$= 35 + 2$$

$$= 37$$



Sombulula tibalo-nkinga letilandzelako:

Inggadze yetibhidvo ine-32 emahela etijalo.

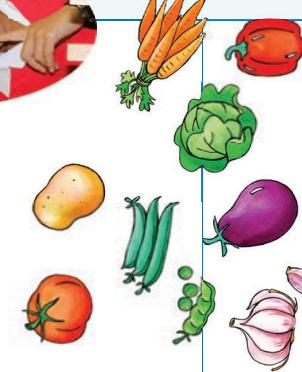
Luhela ngalunye luna 2 titjalo.

Tingakhi titjalo kulengadze?

Inggadze yetibhidvo ine-40 emahela etijalo.

Onkhe emahela anenombolo lelinganako yetijalo.

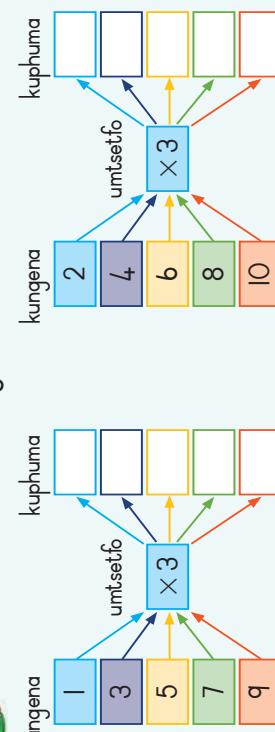
Uma titjalo setitankhe tingema-80, tingakhi eluheleni ngalunye?



11 12 13 14 15 16 17 18 19 20

Kuphindzaphindza nekwehlukanisa: ngakubili kufika ku 100

Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:

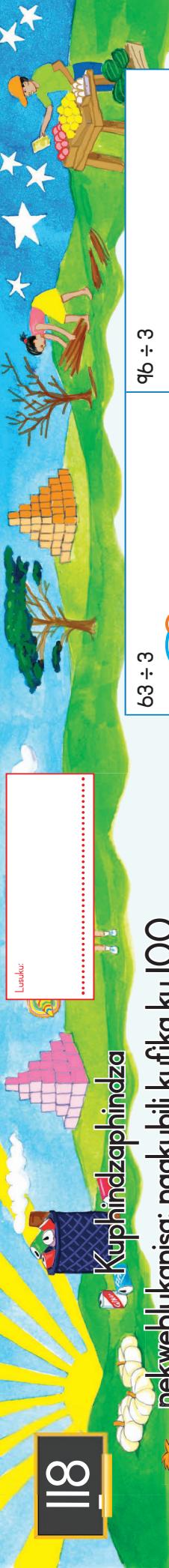


\times	1	2	3	4	5	6	7	8	9	10
3										



Khakhuletha:

12×3	11×3
$= (10 + 2) \times 3$	$= (10 + 1) \times 3$
$= 30 + 6$	$= 30 + 3$
$= 36$	$= 33$
17×3	19×3
$= (10 + 7) \times 3$	$= (10 + 9) \times 3$
$= 30 + 21$	$= 30 + 27$
$= 51$	$= 57$



Emaphethini nombolo: kutsatfu kufika ku 1 000

Ase sibale ngakutsatfu kusuka ku 803 kuyé 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 ngakutufuti: Kubala ngaboo _____.

Bhala phasi lephetini:

Letibiyelwe ngakutuhata Kubala ngaboo _____.

Bhala phasi lephetini:

 Khakhuletha.

- | | | |
|----------------------------|------------------------|------------------------|
| a. $873 + 3 + 3 + 3 =$ | b. $824 - 3 - 3 - 3 =$ | c. $84 + 3 + 3 =$ |
| d. $837 - 3 - 3 - 3 - 3 =$ | e. $889 + 3 =$ | f. $846 - 3 - 3 =$ |
| g. $802 + 3 + 3 + 2 =$ | h. $819 - 3 =$ | i. $880 - 3 - 3 - 3 =$ |

Lusuku

901	902	903	904	905	906	907	908	909	910
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1 000

Gcwalisa tinombolo letishijiwe.

Faka umbala loluhata kumabhuholi etinombolo letishijiwe. Faka umbala lolovu kumabhuholi lamhophé lanetinombolo. Phethini yini loyibonalo?



Cedzela emaphethini.

a. Hlanganisa 4 ngakune kuyé ku 98.

b. Hlanganisa 5 ngakune kuyé ku 973.

c. Susa 4 ngakune kusuka ku 975.

d. Susa 3 ngakune kusuka ku 947.

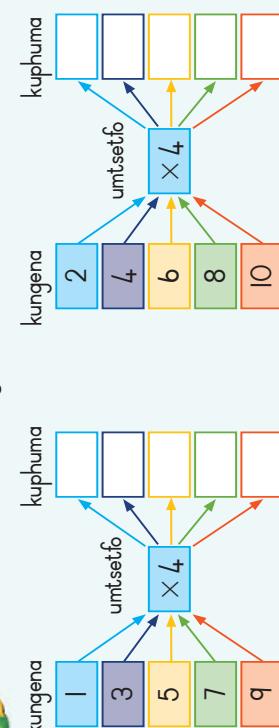
e. Hlanganisa 2 ngakune kuyé ku 932.

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

120

Kuphindazaphindza nekwehlukanisa: ngakune kufika ku 100

Cedzela lelithebula lelingantasi:

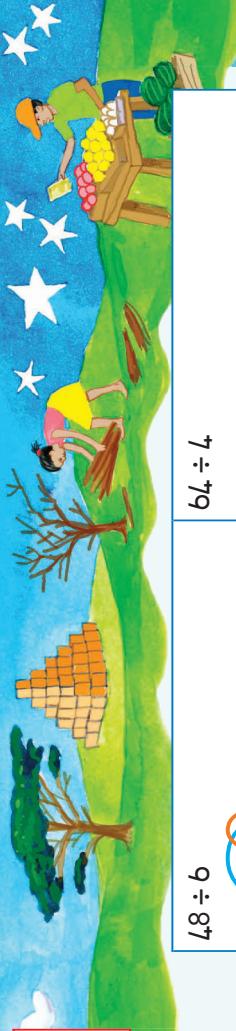


Cedzela lelithebula lelingantasi:



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

Itihemu 4



$$48 \div 6$$

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

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

$$= 10 + 2$$

$$= 12$$

$$45 \div 4$$

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

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

$$= 10 + 1$$

$$= 11$$



Sombulula tibalo-nkinga letilandzeldko:

Tony una 36 wemaswidi.

Ulla 4 wemaswidi onkhe malanga.

Mangakhi emalanga emaphaketho lanema-orintji lamane liphaketho ngalinye.

Una 88 ema-orintji.

Mangakhi emaphaketho langawagcwaisa?



12×4	11×4
$= (10 + 2) \times 4$	$= 10 + 8$
$= 40 + 8$	$= 48$
13×4	15×4
$= (10 + 3) \times 4$	$= 10 + 20$
$= 30 + 12$	$= 30 + 20$
$= 52$	$= 52$

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

121

Emaphethini nombolo: ngakune kufika ku 1 000

Ase sibale ngakune kusuka ku 804 kuye ku 900.

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

Ithemu 4

Lissaku:

901	903	904	905	907	908	909	910
911	912	913	915	916	917	919	920
921	923	924	925	927	928	927	927
931	932	933	935	936	937	939	940
941	943	944	945	947	948	949	949
951	952	953	955	956	957	959	960
961	963	964	965	967	968	969	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

Gcwalisila timombolo letishijiwe.

Fakaumbala loluhlata kumabhloli etinombolo letishijiwe Faka umbala lobovu
kumabhloli lamhlaphé lanetinombolo. Phethimi yini lojibondko?



- a. Hlanganisa 4 ngakune kuye ku 980.
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.

Phethini yini lesijikhonjiswa timombolo letibiyelwe ?



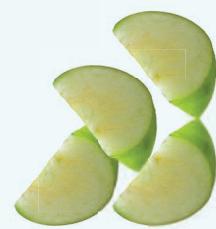
Letibiyelwe ngalokuluhiata:	Kubala ngabo _____
Bhalo phasi lephethini:	_____
Letibiyelwe ngalokusamsobo:	Kubala ngabo _____
Bhalo phasi lephethini:	_____

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

11 12 13 14 15 16 17 18 19 20

123

Coca ngemafrikishini nebanganan bakhō.



Sombulula tibalo-nkinga letilandzelakō ngekuphendula imibuto bese wentai imidvwēbo.

a. Umceceshi wenethibholi uniketa umdali ngamunye iihfau yeli-orintji. Kuna 14 webadali.

Mangakhi ema-orintji lawadzingako?

Utsini umbuto?

Titsini tinombolo nomina emafrikishini kulesibalo-nkinga?

Yini ligama-nsika?

Dweba sitfombe.

Ligama-nsika ligama
lelitangisita kulketsa indela
lengijo yekubala.



Itsini imphendulu?

Itsini imphendulu?

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

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

123

Tibalo-nkinga temafrikishini

b. Make wami unginikete nebanganan bami ibalishumi narue ikota yelihabhuha umuntū ngamunye.

Mangakhi emahabhuha lawasebentisile?

Titsini tinombolo nomina emafrikishini kulesibalo-nkinga?

Yini ligama-nsika?

Dweba sitfombe.



Sombulula tibalo-nkinga letilandzelakō ngekuphendula imibuto bese wentai imidvwēbo.

a. Umceceshi wenethibholi uniketa umdali ngamunye iihfau yeli-orintji. Kuna 14 webadali.

Mangakhi emahabhuha lawasebentisile?

Titsini tinombolo nomina emafrikishini kulesibalo-nkinga?

Yini ligama-nsika?

Dweba sitfombe.



Itsini imphendulu?

Itsini imphendulu?

122

124

Itthemu 4



Cabanga ngesilinda, umbhosongo, noma indilinga lengajicika

Buka letifombe.

Nquisiphi sicumbi lesikhombisa emabholo, imbhosongo nemabhokisi?



Tfola titfombe timbili tangakunye utinameke ngentasi.



Dwwebela imphendulo lengiyo.

- Litamatusi libumbeke njengebhola/lithokisi/umbhosongo (isilinda).
- Inglazi yekunatsa ibumbeke njengebhola/lithokisi/umbhosongo (isilinda).
- Incwadi ibumbeke njengebhola/lithokisi/umbhosongo (isilinda).

1 2 3 4 5 6 7 8 9 10



"Condzile" na "gwenjile".

Letinye tintfo letiphatsekako tiba nelingephandle lengligenje.
Letinye tiba nelingephandle lengligenje.

Imbulunga (sifuje) lesaneyeti
inemacala lagvenje mtimba
wonkhe macala onkhe.

Umbhosongo (isilinda)
unebuso bubili lobusicabati
nabunye lobugwenjile.

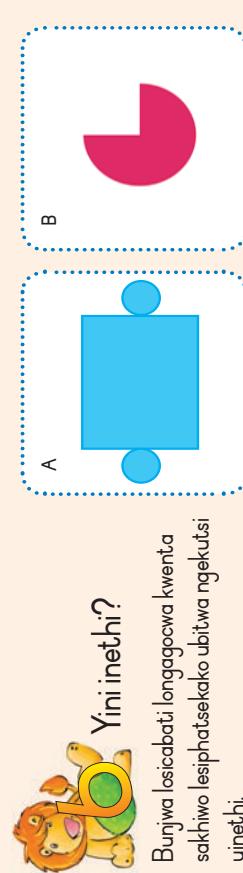
Kugicika



Imbulunga (sifuje) lesaneyeti
inemacala lagvenje mtimba
wonkhe macala onkhe.

Kuletinjo leti-3, ngukuphi:

- Lokungeke kugicike sigamu lesidze.
- Lokungagjicika kuphela ngemugca
locondzile?
- Lokungagjicika kubheke nomaphi?



Yini inethi?

Bunja losicabati longagocwa kwenta
sakhwi lesiphatsekako ubitwa ngekutsi
yinethi.

Bhalaluhlavu lwenethi lengagocera yakh'e ikhoni.

Bhalaluhlavu lwenethi lengagocera yakh'e umbhosongo (isilinda).

1 2 3 4 5 6 7 8 9 10

Lusaka

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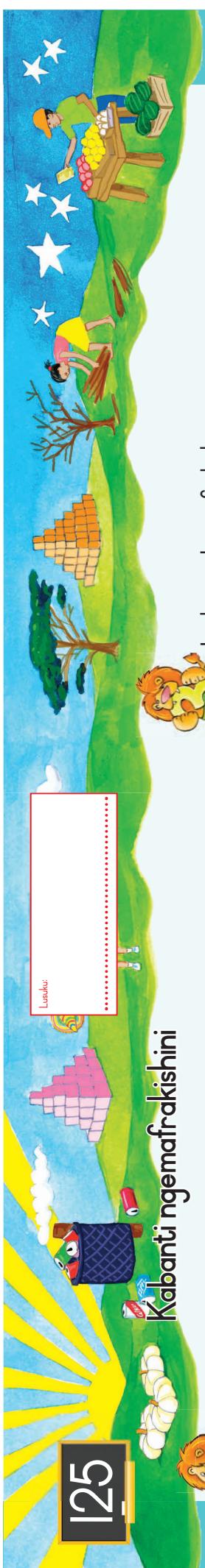
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Kabanti ngemafrakishini

Shano emafrakishini.

Bħala ifrakishini jalet itfombe nqentasi.

125

Theme 4

SIS MATHS G3 B2 9781431501557.indb 116

Ludvongqalwemafraakisshini.



Luhelə ngalunye Iwehlukaniswe Iwaba tincenyé letilingandako Luhele luluphansi ekuginciné

Bhala ifrakishini lenqyo kulawa lamanye emahelle.
Iwenlukanswe waba bocencye-shuminambili (12).

Sebentisa irula yakkha noma umphetfio locondzile weliphepha kutfolakutsi ngumaphi emafakishini Idalimandako, nekuksita uphendavule lemibuto..

Eludvongeni lwemafrakishini, tfolo tonkhe tindela letehlukene tekwenta |oku:

- a. ihfau yinje 1
 - b. kunye lokugcwele ()
 - c. emdkota lamatsatu 3

c. Maryutsenga 5 tibtelekeca temashokholethi. Utibekela si-1, upha Mohamed ti-2, bese letinje
leti-2, upha umnako. Yfrakishini lenaanani Maru latibekela uong?

Phendy

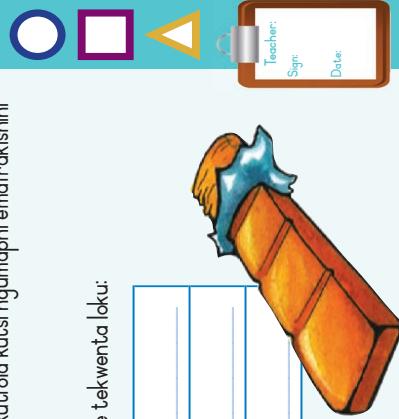
a. Sizwe unetincetu letine teshokkolethi. Uniketa umngani wakhe luetu lunye.

Yitrikishini lenganani yemashokholethi eseles kuyé

Yifrakishini lenganani lesele kuye?

c. Maryutsenga 5 tibhelekeca temashokholethi. Utibekela si-1, upha Mohamed ti-2, bese letinje
leti-2, upha umnako. Yfrakishini lenaanani Maru latibekela uang?

10
9
8
7
6
5
4
3
2
1



126

Item 4

Asichubekere ngekubutsisa nekwaba



Kubala ngesivinini.

Funatichumaniso.

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



Yaba kahle lokusele.

Jabunu lebo bafuna kwaba $\frac{1}{3}$ wetincetu teshokholethi. Tingakhi tincetu letifolwa ngumuntfu ngamunye?



Bangalrhona kwaba kuphela $\frac{1}{2}$ wetikwele letigwele, batifola stufpha amunye. Lolutu lusole bagamulelana ihafu, ngoko-ke amunye una $\frac{6}{2}$ wetincetu.



Amunye utfola _____ imicu

Amunye utfola _____ imicu

Amunye utfola _____ imicu

Amunye utfola _____ imicu

- a. Ephathini 25 wemicu yemasiwidi-shukela yabiwa emkhatsini wa 10 webantfvana.
Yaba kahle nge! Dweba titfombe kulusita.



Amunye utfola _____ imicu

- b. Yaba 37 imicu emkhatsini wa 4 webantfvana.

Amunye utfola _____ imicu

- c. Yaba 48 imicu emkhatsini wa 5 webantfvana.

Amunye utfola _____ imicu

- d. Yaba 73 imicu emkhatsini wa 10 webantfvana.

Amunye utfola _____ imicu



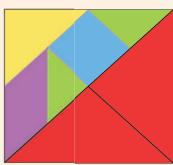
Lusuku:

126

Item 4



Emafrakishini ethenigremu



Ithenigremu ngundlalo mphico wasendulo wesi Shajina wakhwe ngesi-7 sabobunjuwa labasicabati, babiitwa ngokutsi ngematheni, onkhe abekwa ndzawonje kwakha tinhlobor-nhloba tabobunjwa.

Emafrakishini nge Thenigremu.

Bukisisa imphica yethenigremu. Yifrakishini lenganani yesikwele lesikwele munye ngamunye walbocalantsatfu labakhulu lababi?	(Bovu klesifombene)	Uma ugoba munye walbocalantsatfu labakhulu babe tincetu letimbi llatalingandko, lucetu ngalunye luyalingana ngelukhulu nacalantsatfu lomkhudlwana nje (Mtf ubi esitfombeni). Yifrakishini lenganani yesikwele lesikwele localantsatfu lomkhudlwana nje?	Uma ugoba localantsatfu lomkhudlwana nje doe tincetu letimbi llatalingandko, lucetu ngalunye luyalingana ngelukhulu naldocalantsatfu lababili ibancane. (Luhata esitfombeni) Yifrakishini lenganani yesikwele lesikwele localantsatfu labancane ngamunye?	Ungabeka babili bocalantsatfu labancane kanyekarante kwenta lesikwele lesincane. Yifrakishini lenganani yesikwele lesikwele lesincane (lingangane esitfombeni)?	Ungabeka babili bocalantsatfu labancane kanyekarante kwenta ipharalelegremu. Yifrakishini lenganani yesikwele lesikwele lepharalelegremu?

Usebentisa iThenigremu.

Silka kahle emthenigremu lamabili ekhasini ilekusikwa 12 ubhale esiceshini ngasinye lesinefrakishini yesikwele lesikwele. (Laba boburjuwa bema Thenigremu bakuwala.) Bhalia ligama lakkho ngemava kweletu ngalunye, khona utokwati kutfolo tincetu takakho futsi emva kwemddalo.

Umdlalo wekwaba kahle emafrikishini.

Dilana 4-8 webaddali usebentisa takakho tincetu tethenigremu

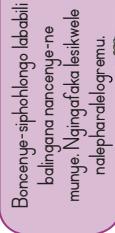
- Badali bancketana ematfuba ekubeni umshovi-phephha.
- Umshovi-phephha uncuma kutsi yifrakishini lenganani yethenigremu legcweli umdali ngamunye ikufute ayifake kukhithi.
- Umdlalo ngamunye uyaagela kutsi ngabe imali-buhhehu itawuvela ngenhloko nom a ngemsila, umshovi-phephha bese yjika buhhehu.
- Umshovi-phephha bese waba lokukhithi ngelkwetsembeka kulabo labacombele kahe. (Angahle ahwebise ngalunye nom angetulu tincetu kutfolo tincetu talinganako.)
- Wonkhe umsaleda longeke wabekel uhlala kukhithi umele ligema lettak.
- Bonkhe badali bayaholsissa kubona kutsi ngabe kwaba kwentiwe ngendela yini.
- Uma umdali atfold liphutsa, umshovi-phephha ukokha inhlawulo ya $\frac{1}{8}$ yesikwele lesikwele kumddali wekuwala kutfolo liphutsa.
- Umdlalo late tincetu angatsatsa yonkhe imisaleda kukhithi.
- Umdlalo uyaachubeka ate umdali ngamunye naye abe ngumshovi.



Wonkhwonkhe kufute
ofake ikota ynye yesethi
yethenigremu kukhithi.



Ngituwaka munye
calantsatfu lomkhulu

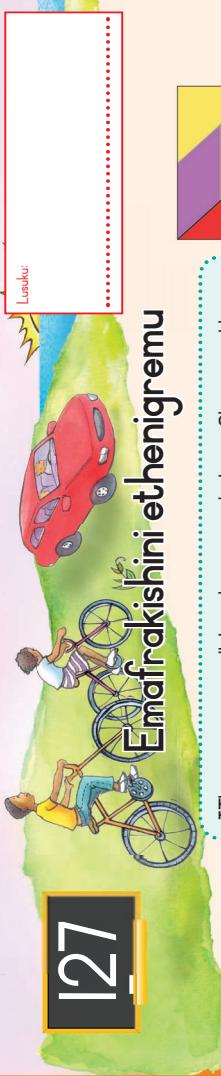


Teacher:
Sgn:
Date:



Silka kahle emthenigremu lamabili ekhasini ilekusikwa 12 ubhale esiceshini ngasinye lesinefrakishini yesikwele lesikwele. (Laba boburjuwa bema Thenigremu bakuwala.) Bhalia ligama lakkho ngemava kweletu ngalunye, khona utokwati kutfolo tincetu takakho futsi emva kwemddalo.

11 12 13 14 15 16 17 18 19 20



28a

Ithemu 4



Kumeda umtsamo

Tingadhi tinkomishi lobanga kutsitingagovalisa loku kwekuphatsa?

Akudzingeki kutsi ugagile ngemalitha nom a emamillitha. Kuphela sebentisa emagama atsi inkomishi' nallihodle'

inkomishi (250 ml)

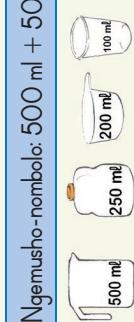
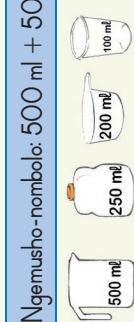
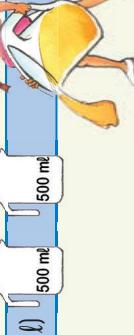
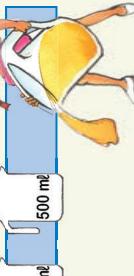
kwekuphatsa kweithau yi-



Yenta ilitha.

Tfola indella yekwenta ilitha usebentisa emanani lehukene dolokusamanti.

Bhala umusho-nombolo ngaleyondo yeo ndlela.



$$\text{Ngemusho-nombolo} = 1000 \text{ ml (l)}$$

$$\text{Ngemusho-nombolo} = 1000 \text{ ml (l)}$$

Uma sibhalia timphawu temetrikhi, sisigia sikhala lesincane emkhatsini weluhlavu iwekugina neluphawu. Nasi sibonelo sibhalo 3l g hhajy 3l g 299 g hhajy 299g 15 km hhajy 15km.

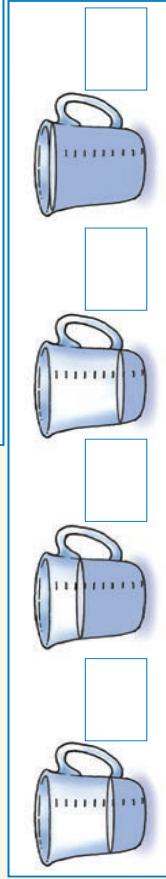
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

1 | 12 | 3 | 14 | 5 | 16 | 17 | 18 | 19 | 20



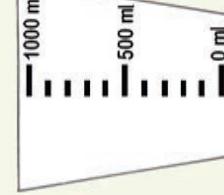
Yini litsamo lenkomishi
yinye legcwele?

Lesipunu sigcwele
ku filika kumvinco
wetucala.



Yini litsamo lenkomishi
yinye legcwele?

Lesipunu sigcwele
ku filika kumvinco
wetucala.



Sikala emabinta lamancane dolokusamanti nemamillitha (l).

Lenkomishi yekumeda yemutsii icuketse 10 ml.

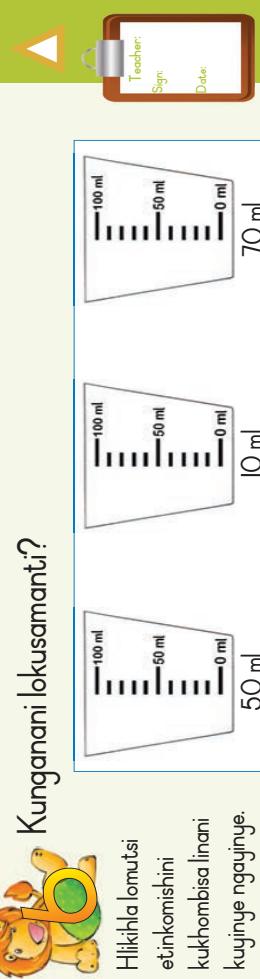
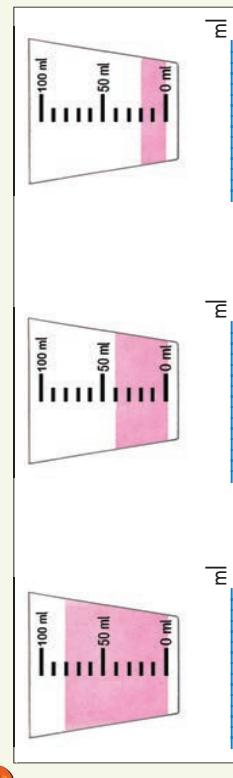
lokungemathispunu lamabili.

Sikala emabinta lamakhudlwana ngemalitha (l).

Ajirikhulgawane emamillitha elitheni.

Kunganani lokusamanti?

Mangakkii ema ml dolokusamanti ejekeni ngalinye?



Kunganani lokusamanti?

Hlikha lomutsi
etinkomishini
ku khombisa linani
kuyinje ngajinye.

Emddaweni

Ngesikhatsi sehhafu tha jimi umdali ngamunye unatsa $\frac{1}{4}$ welitha yejusi.

- a. Bangakhi badalli labangabelana nga?
1 littha _____ 4 wemalitha _____ $\frac{1}{2}$ wemalitha _____
b. Kudzingeka jusu lenganani kwenetisa?
8 webadalli _____ q webadalli _____ |2 webadalli _____

Kala utsele

Ngesikhatsi sehhafu tha jimi umdali ngamunye unatsa $\frac{1}{4}$ welitha yejusi.

- a. Bangakhi badalli labangabelana nga?
1 littha _____ 4 wemalitha _____ $\frac{1}{2}$ wemalitha _____
b. Kudzingeka jusu lenganani kwenetisa?
8 webadalli _____ q webadalli _____ |2 webadalli _____

**Libhara leJusi laBongi.**

Ejekeni !, Bongi usebentisa ikota yinje ($\frac{1}{4}$) yenkomishi yejusi netinkhomishi leti 2 temanti. Tfola kutsi usebentisa jusu nemanti langanani Bongi emajeke ni lusi 5 ejusi.

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

Emalitha nemamillitha (ml).

$$\begin{aligned} \text{littha} &= 1000 \text{ ml} & \frac{1}{2} \text{ welitha} &= \text{ ml} & \frac{1}{4} \text{ welitha} &= \text{ ml} \\ 25 \text{ ml} &= \text{ welitha} & 50 \text{ ml} &= \text{ we litha} & & \end{aligned}$$

**Yent.a ihhafu yelilitha.**

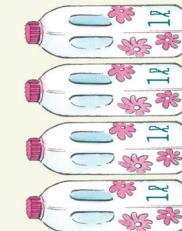
Kliwbitha (✓) lamanan lama 3 laktasi nakatihlanganisiwe afike kuhafu yelilitha.

120 ml	140 ml	160 ml	28 ml	240 ml

Lubisi lukulungene!

Yoba 4 wemalitha elubisi emkhatsini wa:

- a. 8 webantfwanwa Umntfwanwa ngamunye utfola _____ wemalitha
b. 16 webantfwanwa Umntfwanwa ngamunye utfola _____ wemalitha
c. 12 webantfwanwa Umntfwanwa ngamunye utfola _____ wemalitha



Teacher: _____
Sign: _____
Date: _____

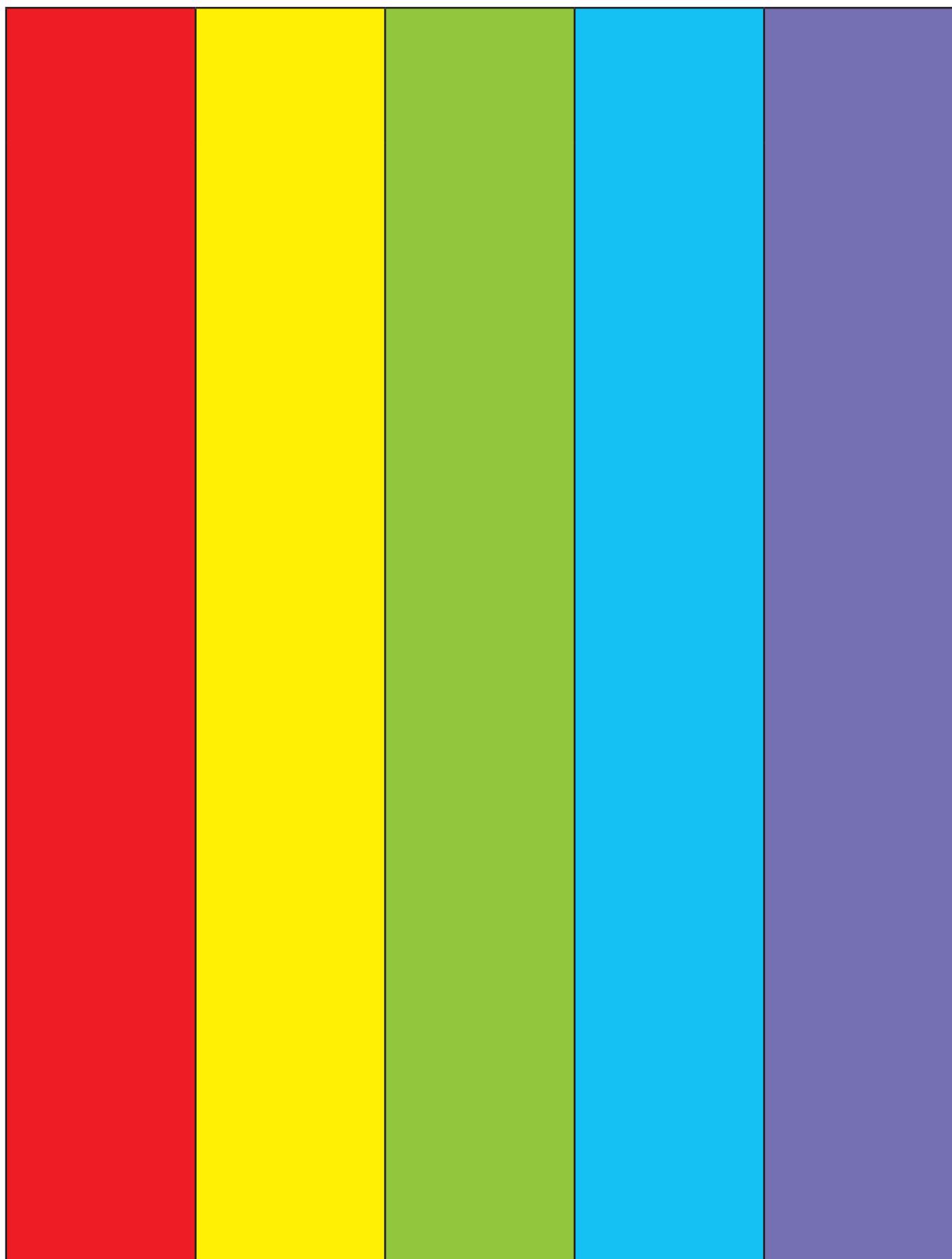
Hold!
Catsanisa!
Lungisal!

Udzinga tingakhi tintfo tekuphatsta ngayinye kwenta littha?

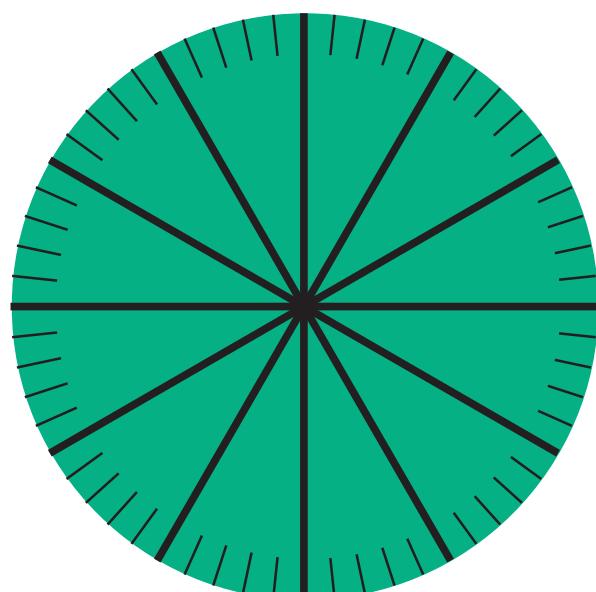
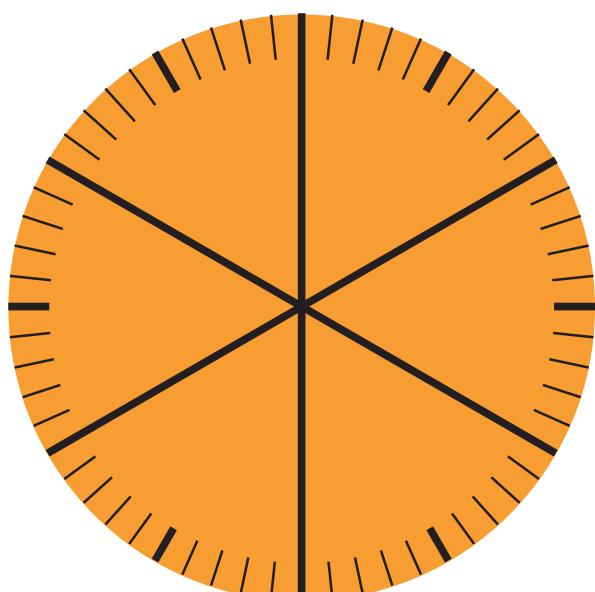
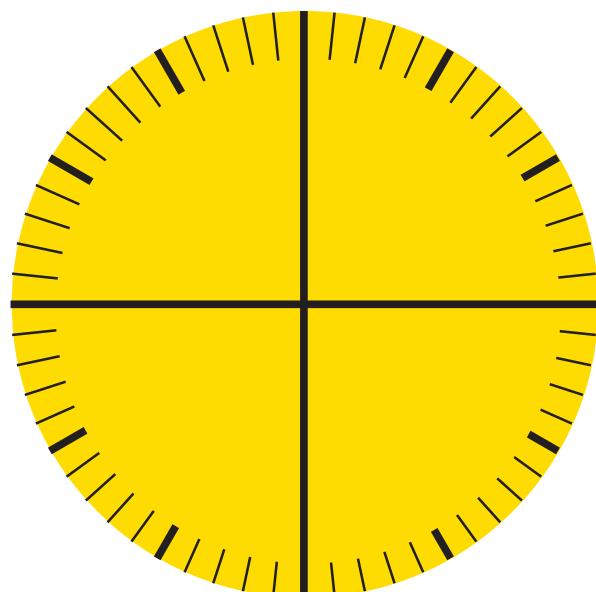
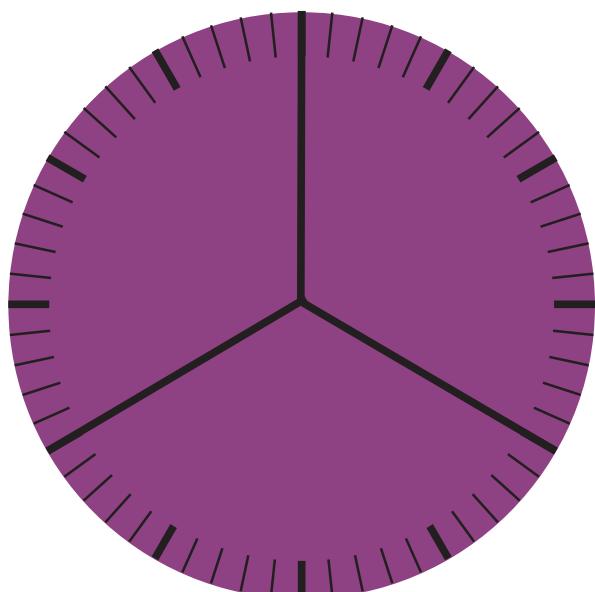
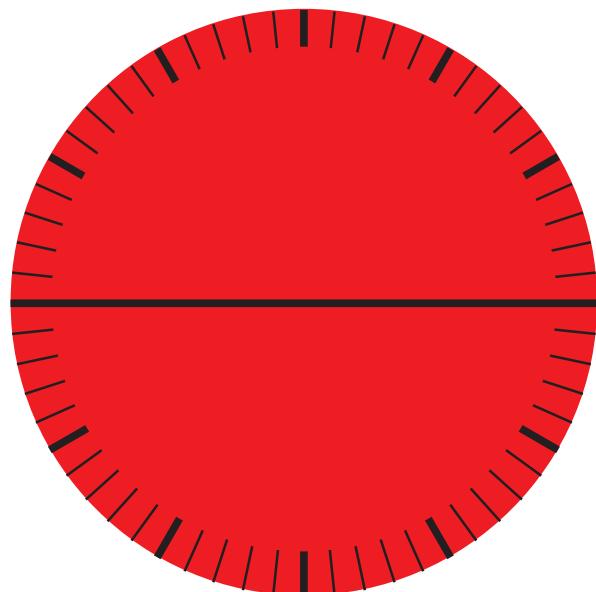
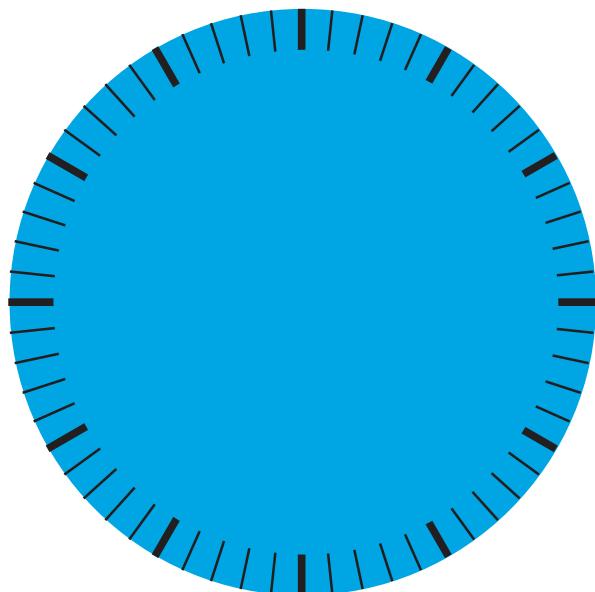
a. _____ \times 100 ml	b. _____ \times 200 ml	c. _____ \times 250 ml
e. _____ \times 500 ml	f. _____ \times 50 ml	

Iphathi yaThandi seyengcle. Kunekwekunatsa lokusele.
Ingarani ijusi lemftubi lesele? _____
Ingarani ijusi lesansobo lesele? _____
Thandi udidiya tinhoboo totimibili tejusi ndzawonye.
Mangakhi emajeke langawagcwaliswa? _____

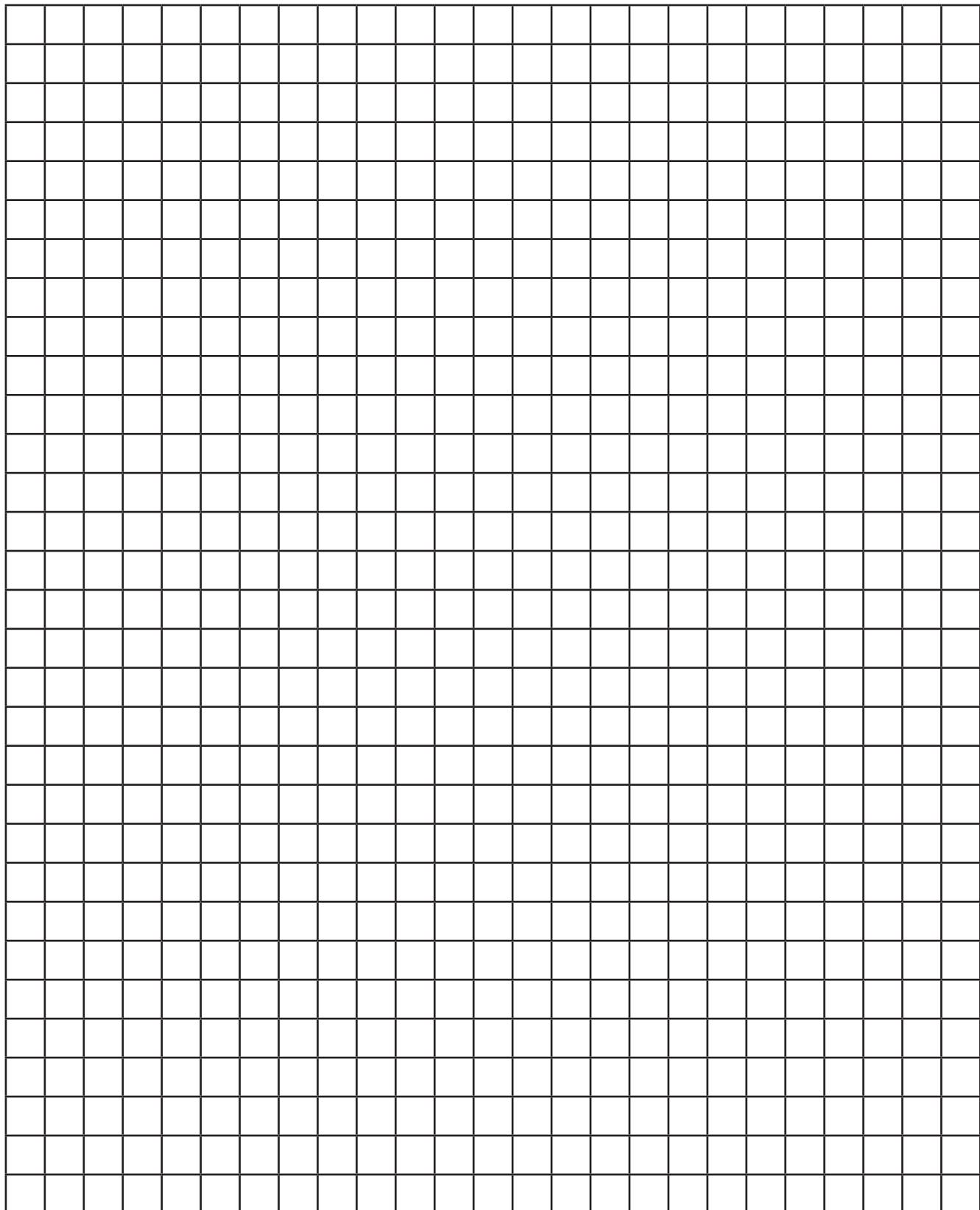
Kwekusikwa 5



Kwekusikwa 6



Kwekusikwa 7

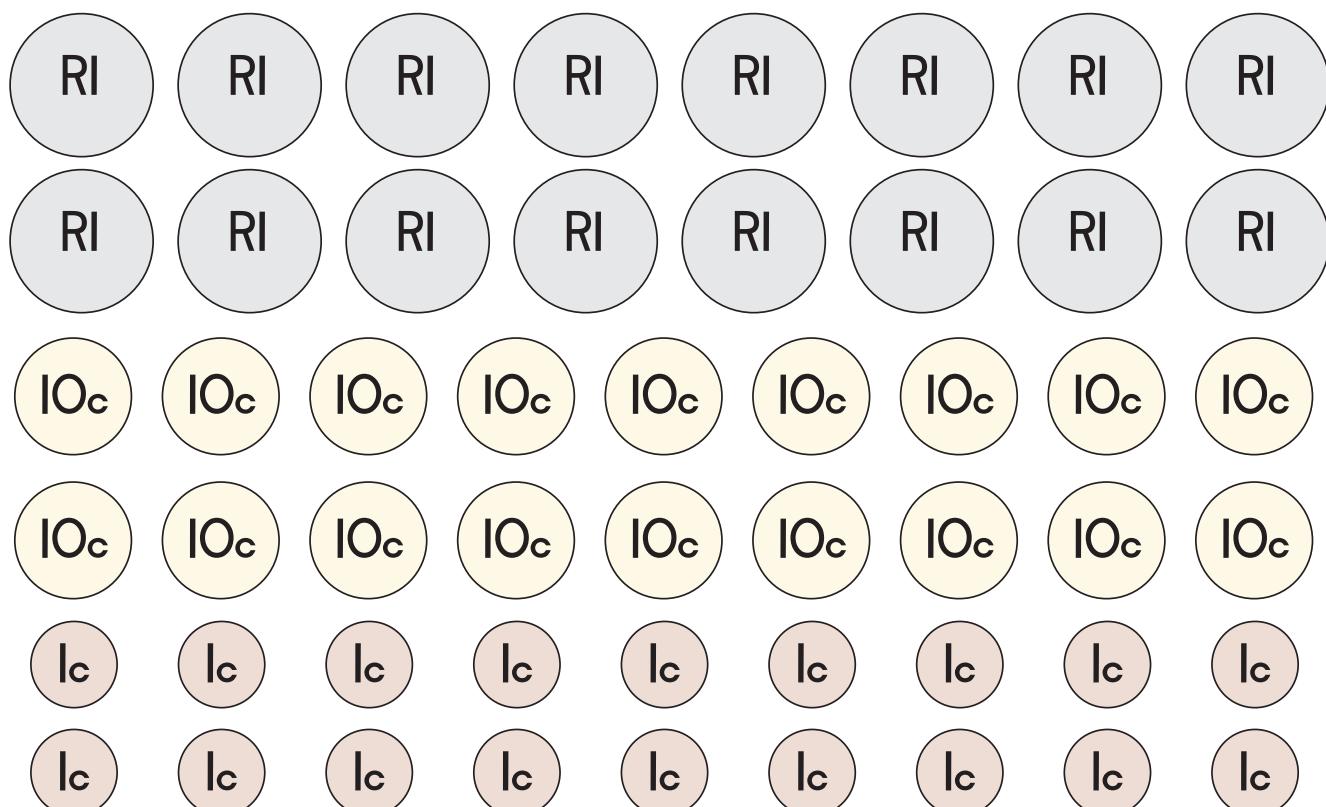


Kwekusikwa 8

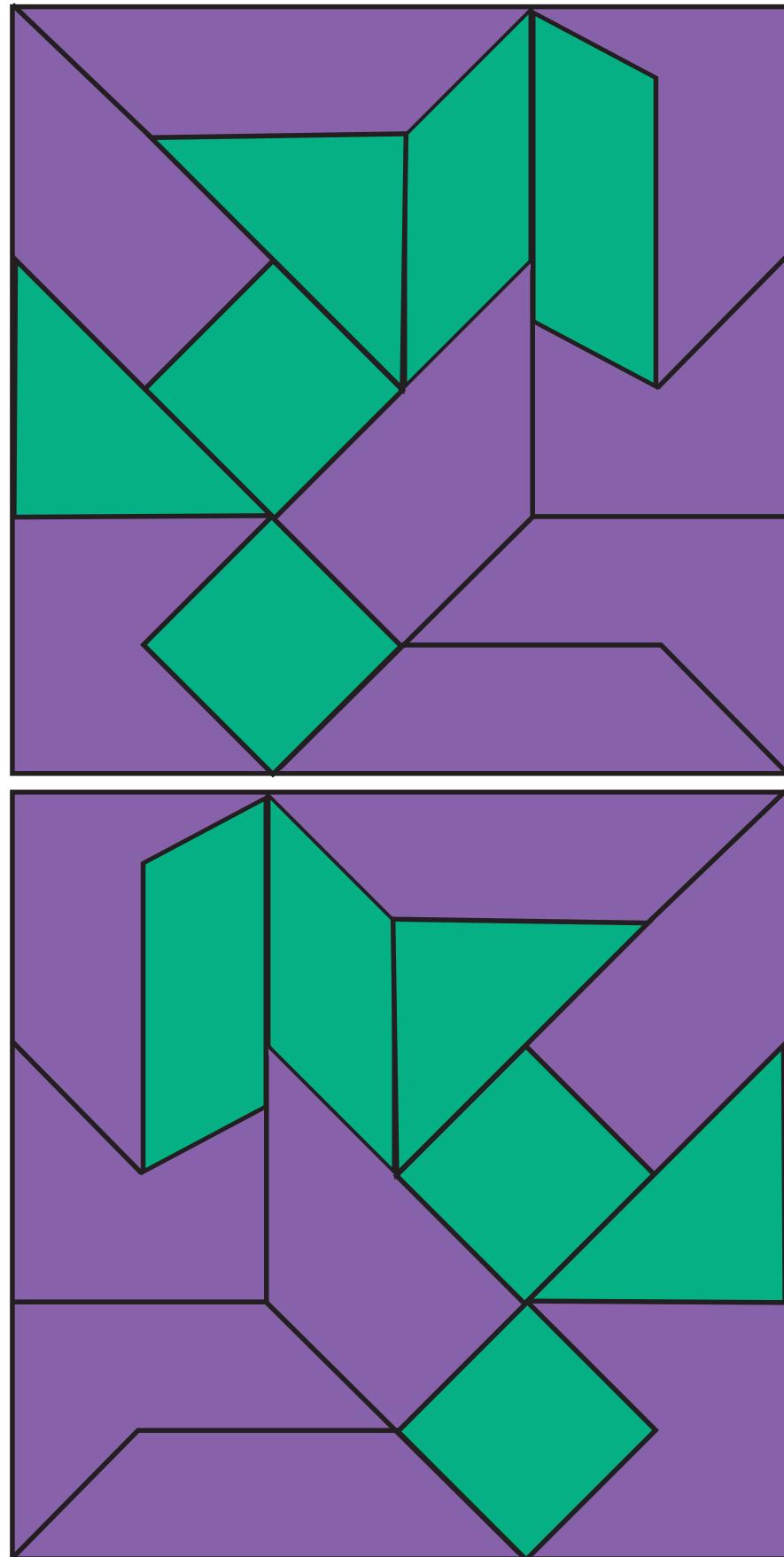
I_c	
IO_c	
$R s$	
RIO_s	
$RIOOs$	

Kwekusikwa 9

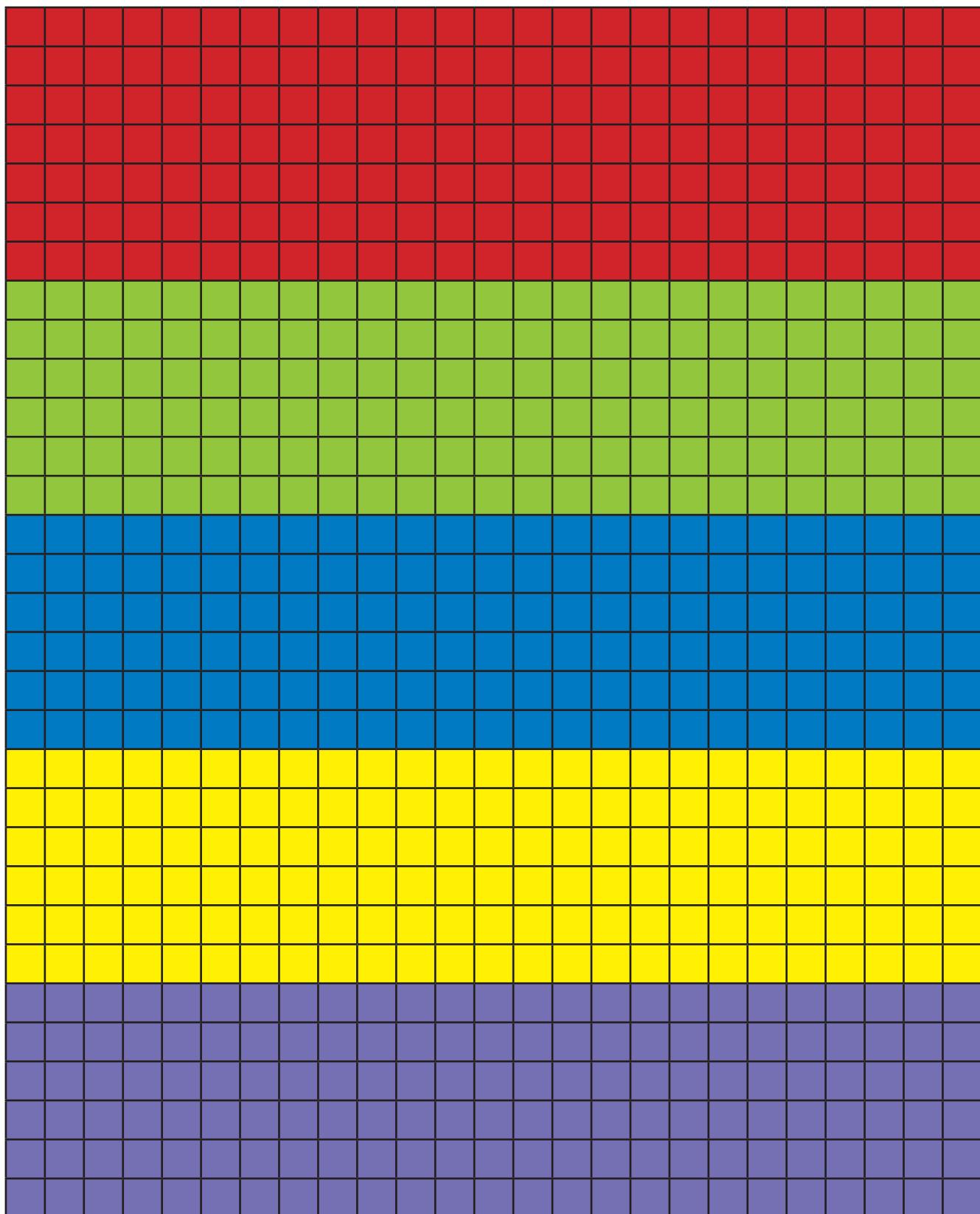
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO



Kwekusikwa 10



Cut-out II



Cut-out I2

