



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

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

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

Sifisela bothishela nebafundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.

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GRADE 3 – BOOK 2
TERMS 3 & 4
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THIS BOOK MAY
NOT BE SOLD.**



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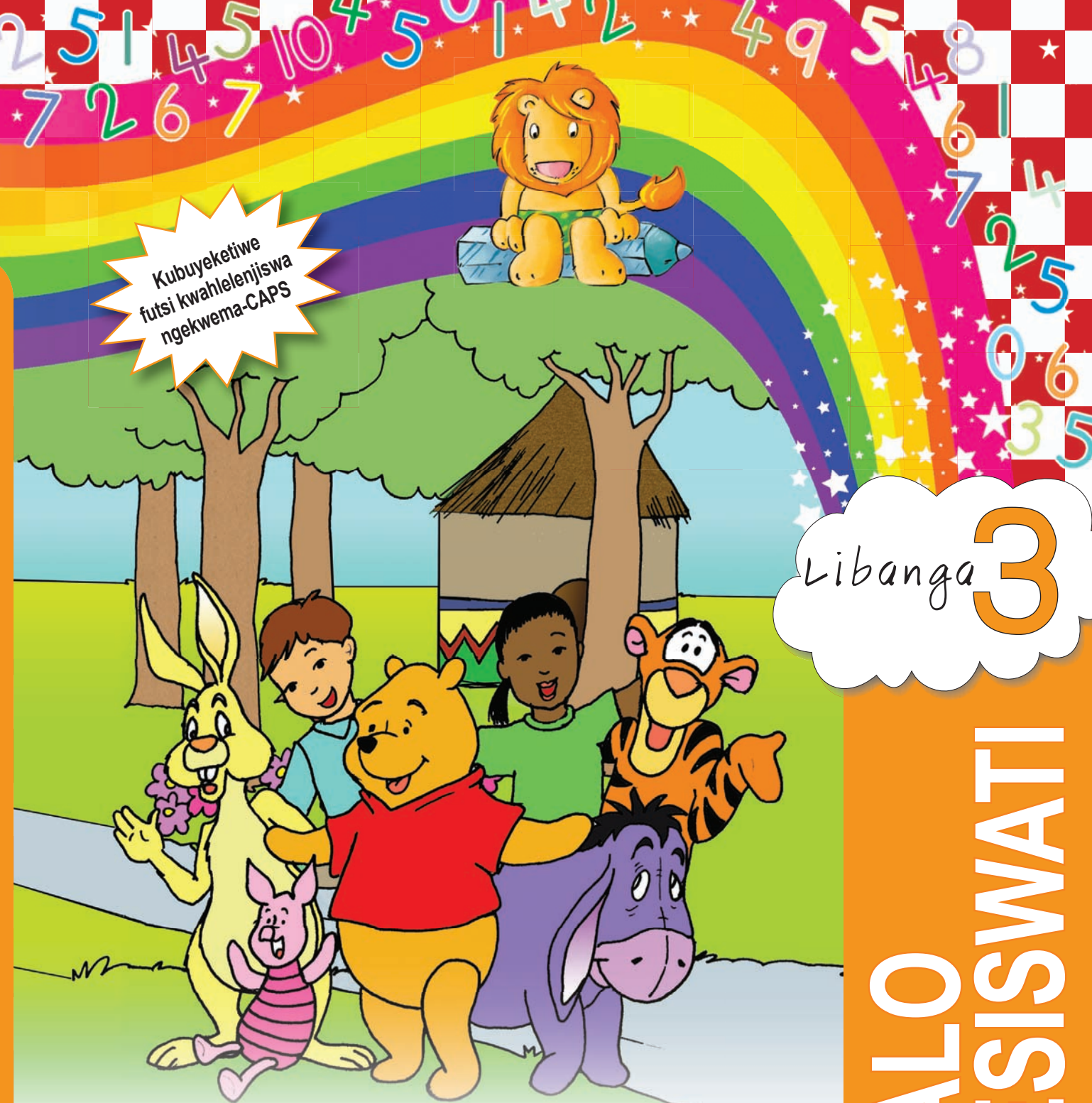
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TIBALO NGESISWATI – Libanga 3 Incwadzi 2

ISBN 978-1-4315-0155-7



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futsi kwahelenjiswa
ngekwema-CAPS

Libanga 3

Ligama:

Likilasi:



basic education

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REPUBLIC OF SOUTH AFRICA

**TIBALO
NGESISWATI**

Incwadzi 2
Emathemu
3 & 4

Lokucuketfwe



X

Lithebula lekuphindzaphindza

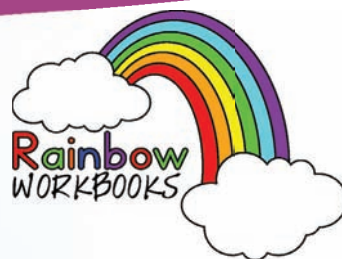
$$2 \times 2 = 4$$

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
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Libanga 3



Lencwadzi ya:



SISWATI

Incwadzi

2

Tinombolo 500 kuya ku 600



Bala ubhale.

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

500



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

- b. Bhala tinombolo letishiyiwe kugridi ngetulu.
c. Bhala letinombolo letili-10 letita emva kwa 500.

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

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

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

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

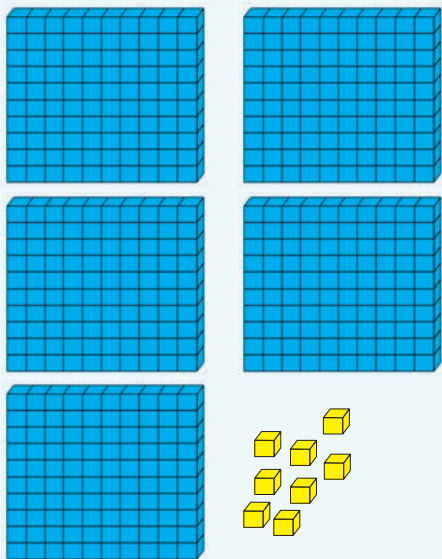
548; _____; _____; _____; _____; _____; _____; _____; _____; _____; 570

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

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



Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?



Cedzela imigca-nombolo.

540			543				547		549	
							597	598	599	
					597	598	599			



Cedzela lithebula.

Bhala kusuka kulencane kakhulu kuye kulenkhlukati.

Bhala kusuka kulenkhlukati kuye kulencane kakhulu.

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



Bhala lokulandzelako ngemagama.

520	
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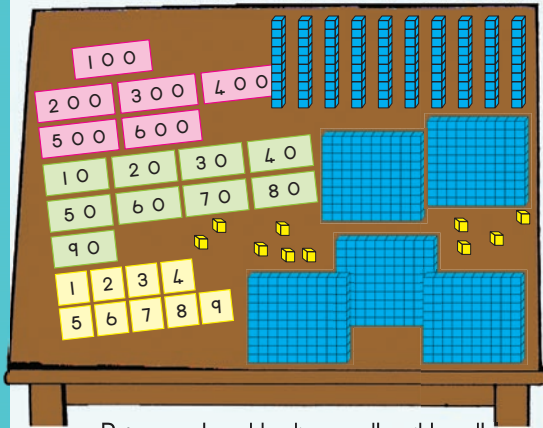


Teacher: _____

Sign: _____

Date: _____

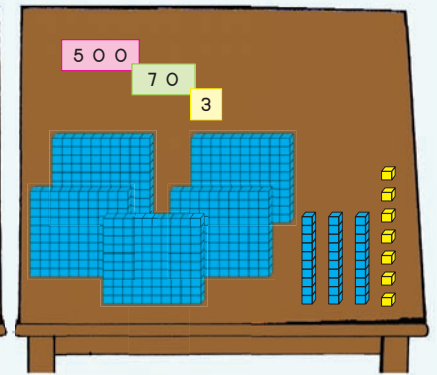
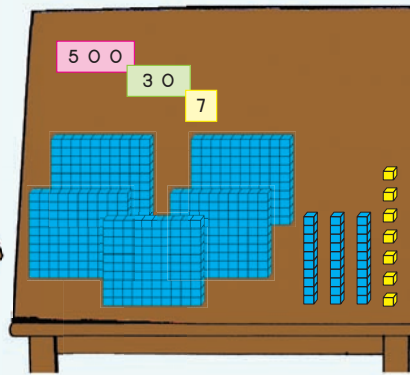
Sichubeka ngetinombolo 500 kuya ku 600



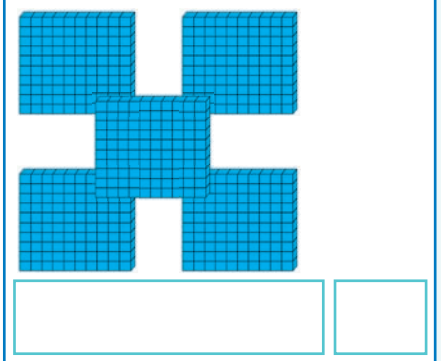
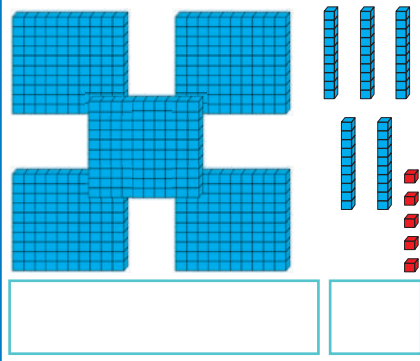
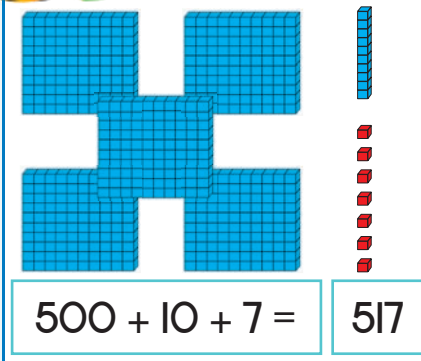
Peter unalamkhadi emandla-sikhundla
lalandzelako nemabhuloki-sisekelo
lalishumi.

Thishela ucela Peter kutsi
akhombise 537 ngemakhadi
akhe nangemabhuloki.

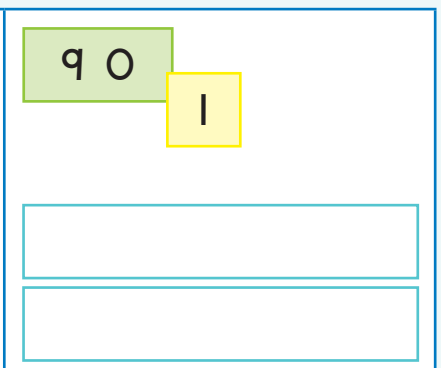
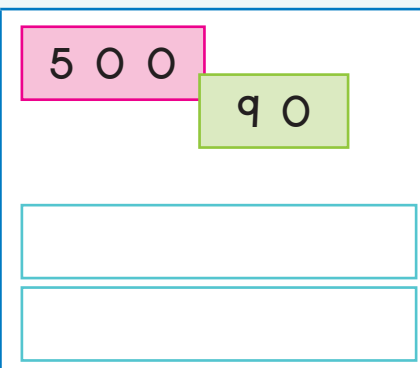
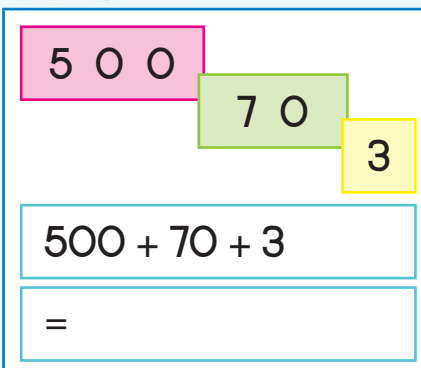
Naku lokukhunjiswe ngu-Aakar.
Yini langakayenti kahle?



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

5 0 0

1 0

7

5 1 7

517

500 + 10 + 7



Bhala tinombolo-magama.

221	
486	
369	
419	
491	



Teacher: _____

Sign: _____

Date: _____

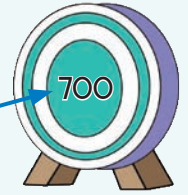
Tinombolo 600 kuya ku 700



Bala ubhale.

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

600



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

- b. Bhala tinombolo letishiyiwe kugridi ngetulu.
c. Bhala letinombolo letili-10 letita emva kwa 600.

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

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

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

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

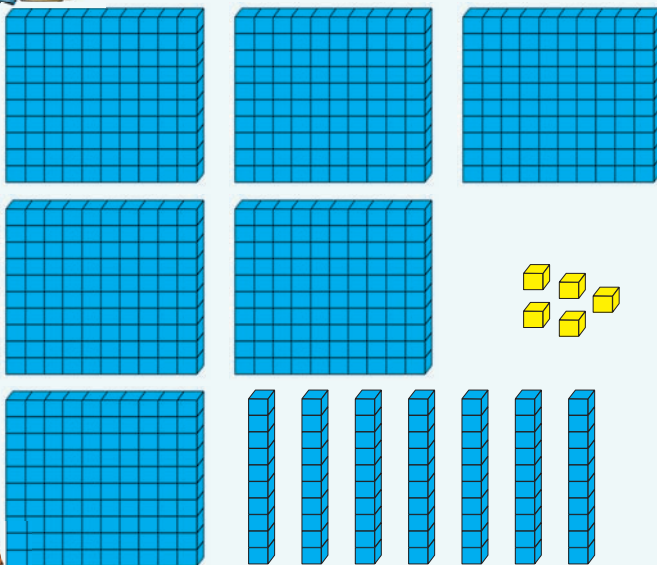
611; _____; _____; _____; _____; _____; _____; _____; _____; 633 _____

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

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



Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?



Cedzela imigca-nombolo.

640			643				647		649	
							687	688	689	
					602	604	606			



Cedzela lithebula.

Bhala kusuka kulencane kakhulu kuye kulenkhlukati.

Bhala kusuka kulenkhlukati kuye kulencane kakhulu.

672, 676, 674, 671, 675		
656, 605, 650, 615, 605		



Bhala lokulandzelako ngemagama.

631	
-----	--



Teacher: _____

Sign: _____

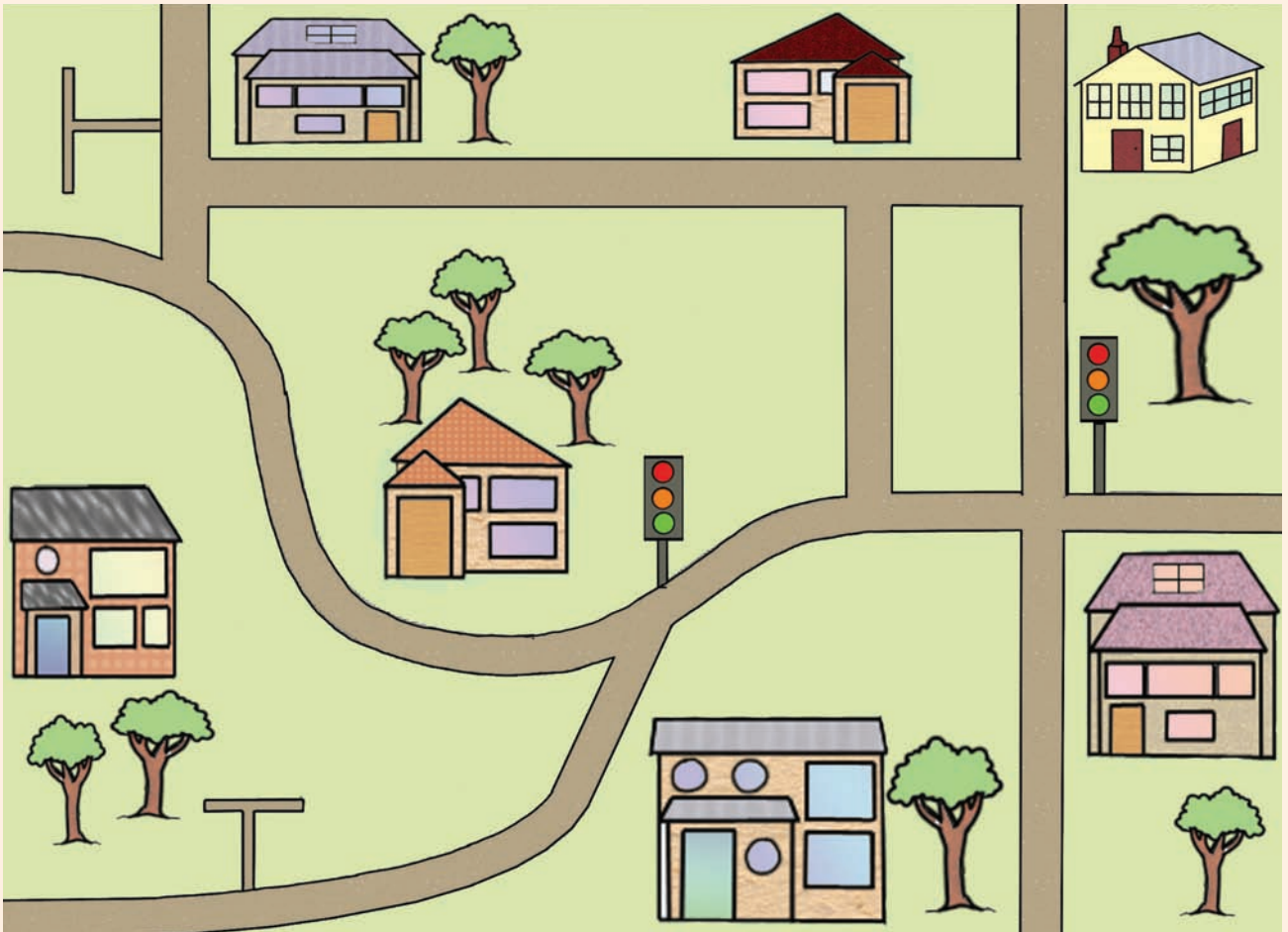
Date: _____



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.

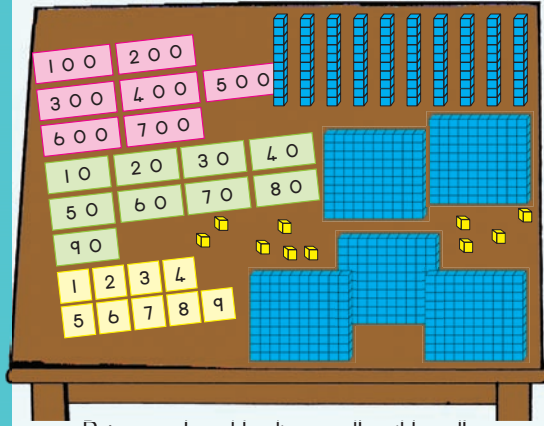


Teacher:
Sign:
Date:

Siyachubeka

ngetinombolo 600 kuya ku 700

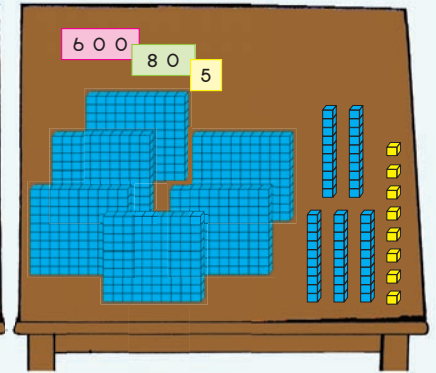
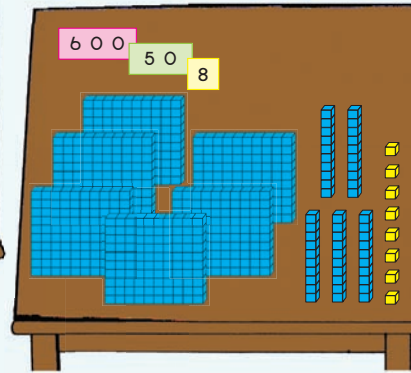
Lusuku:



Peter unalamakhadi emandla-sikhundla lalandzelako nemabhuloki-sisekelo lalishumi.

Thishela ucela Peter kutsi akhombise 658 ngemakhadi nangemabhuloki akhe.

Naku Andile lakukhombisile. Yini langakayenti kahle?



Bhala umusho-nombolo bese kulandzela imphendvulo.

$600 + 30 + 7 = 637$		

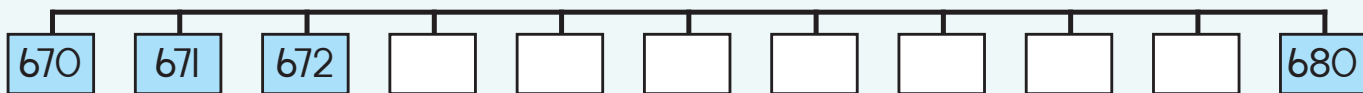


Bhala umusho-nombolo bese kulandzela imphendvulo.

$600 + 90 + 8$ $=$	$600 + 70$ 	$600 + 50 + 8$
-----------------------	--------------------	------------------------



Cedzela umugca-nombolo.



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

686	
690	
699	
673	
665	

Sibonelo: 632

6 0 0

3 0

2

6 3 2

632 $600 + 30 + 2$



Bhala tinombolo-magama.

672	
693	
607	
697	
660	



Teacher: _____
Sign: _____
Date: _____

Tinombolo 650 kuya ku 750



Bala ubhale.

- a. Sebentisa lelishathi lelandzelako 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.

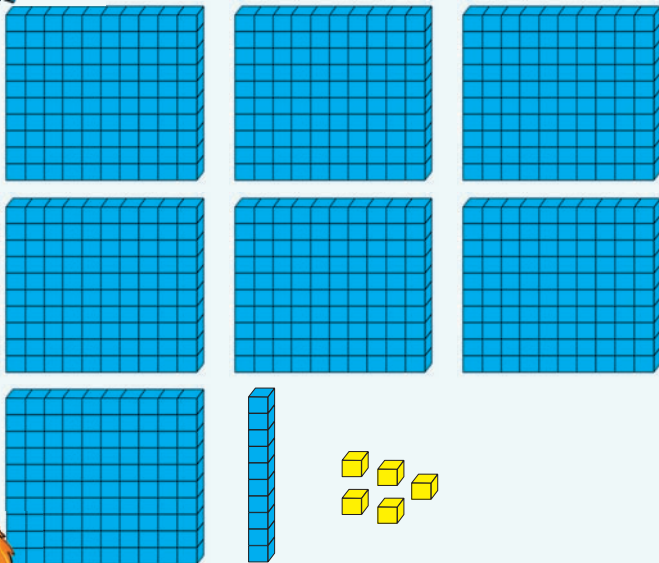
719; _____; _____; _____; _____; _____; _____; _____; _____; 749

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

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



Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?



Cedzela imigca-nombolo.

700			703				707		709	
							746	747	748	
					706	711	716			



Cedzela lithebula.

Bhala kusuka kulencane kakhulu kuye kulenkhlukati.

Bhala kusuka kulenkhlukati kuye kulencane kakhulu.

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

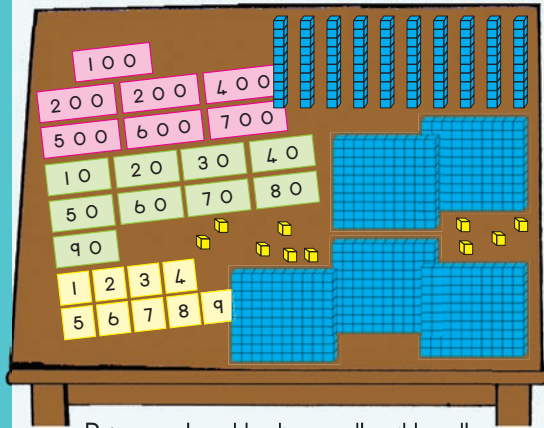


Bhala lokulandzelako ngemagama.

706

Teacher:
Sign:
Date:

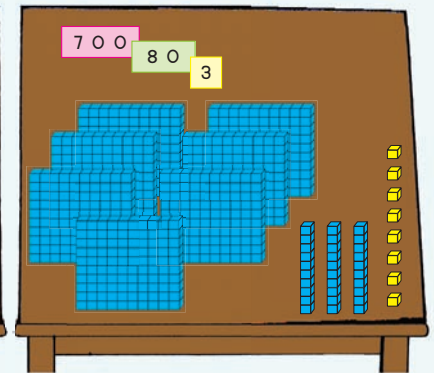
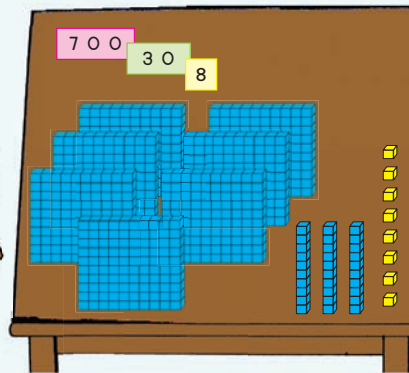
Tinombolo 700 kuya ku 750



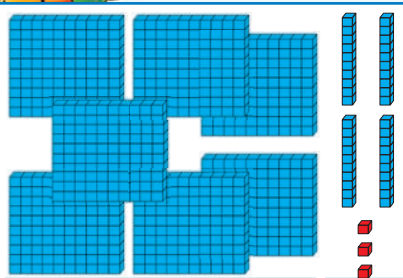
Peter unlamakhadi emandla-sikhundla
lalandzelako nemabhuloki-sisekelo
lalishumi.

Thishela ucela Peter kutsi
akhombise 738 ngemakhadi akhe
nemabhuloki.

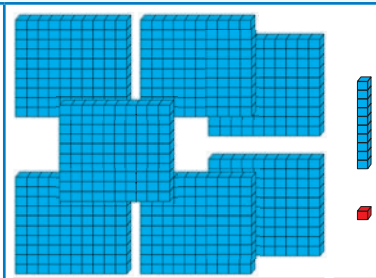
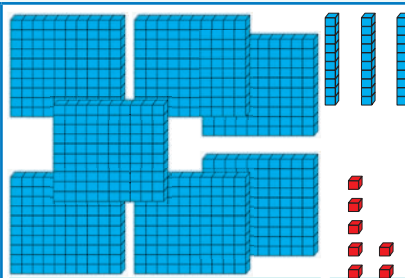
Naku Jabu lakukhombisile.
Yini langakayenti kahle?



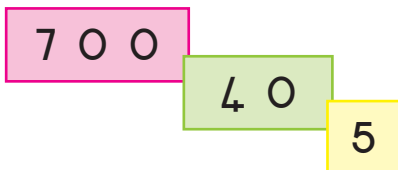
Bhala umusho-nombolo bese kulandzela imphendvulo.



$$700 + 40 + 3 = 743$$

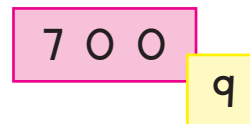
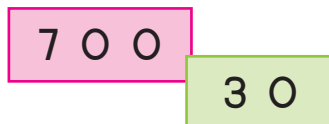


Bhala umusho-nombolo bese kulandzela imphendvulo.



$$700 + 40 + 5$$

=





Cedzela umugca-nombolo.



Nginike tonkhe letinombolo letincane kuna 704. _____

Nginike tonkhe letinombolo letinkhulu 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	

Sibonelo: 747

7 0 0

4 0

7

7 4 7

747

$700 + 40 + 7$



Bhala tinombolo-magama.

714	
750	
742	
738	
704	

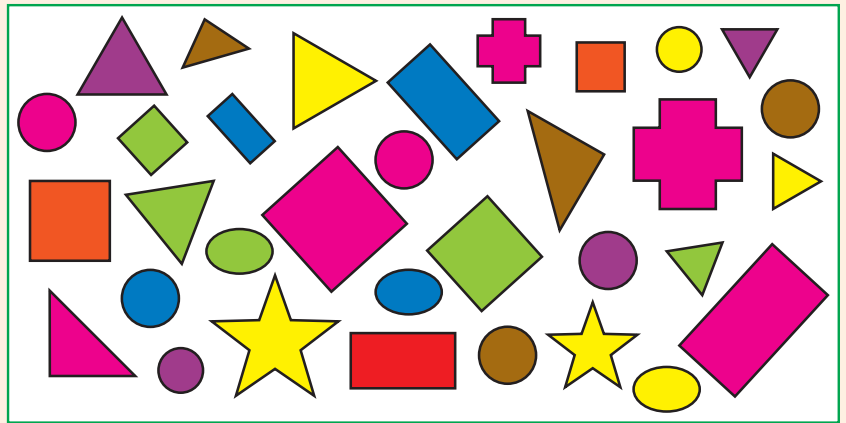


Teacher: _____
Sign: _____
Date: _____

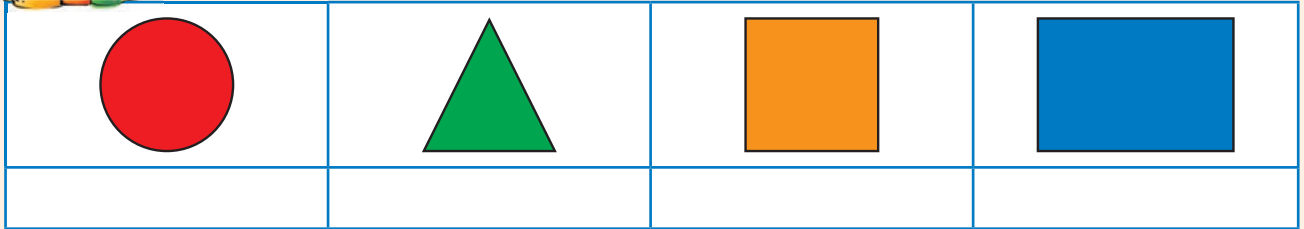


Sakhiwo se 2-D

Shano kutsi ngabe lobunjwa unelicala lelicondzile noma leliyindilinga.



Shano kutsi ngabe lobunjwa unemiphetfo lecondzile noma leyindilinga.



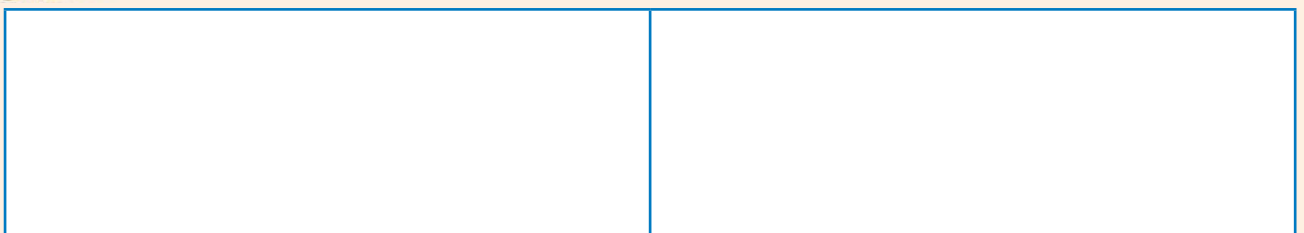
Bangakhi bobunjwa longabadvweba ngemiphetfo lecondzile?

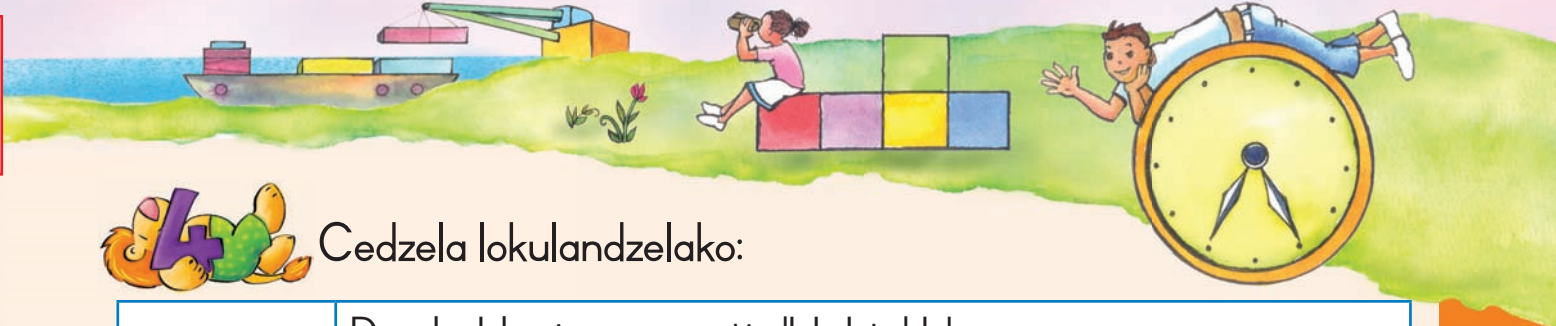


Tfola titfombe

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 emaphephandzaba.

Banamatsisele lapha.



Teacher:

Sign:

Date:

Kuhlanganisa nekususa ku 800



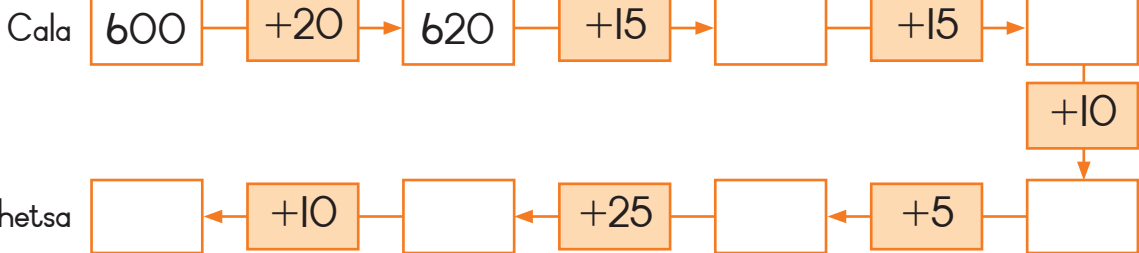
Ngingatsengani nga R500?

Ngutiphi taletintfo
lengingatitsenga
nga R500 ngco?



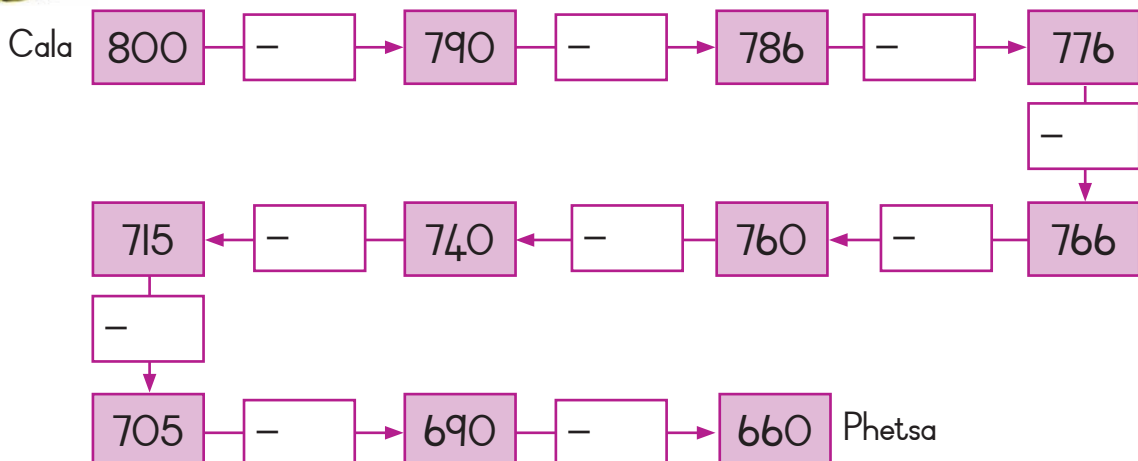
Kuhlanganisa sengete kusuka ku 600.

Faka tinombolo letishiyiwe.



Bala uye emuva kusuka ku 800.

Bhala "ingucuko" sikhatsi ngesikhatsi.





Sombulula lokulandzelako:

$$725 + 53 =$$

$$664 + 87 =$$

$$564 + 132 =$$

$$75 + 717 =$$



Sombulula lokulandzelako:

James ucokelele 525 wetimabula.

Uma Siphso amnike lomunye 205 wetimabula, James utaba nelinani lelilingana nelaSiphso.

- Tingakhi timabula labatakuba nato bobabili?
- Tingakhi timabula labekanato Siphso ekucaleni?

-
-



Siyachubeka ngekuhlunganisa nekususa ku 800

Imindeni-tinombolo

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

$$4 + 8 = 12$$

$$8 + 4 = 12$$

$$12 - 8 = 4$$

$$12 - 4 = 8$$



Tfola imindeni.

Bhala 4 wemisho-nombolo licembu ngalinye letinombolo.

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



Funa tichumanisi.

Kulona umsebenzi kumele sitfole iphethini.

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



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:

$$\begin{array}{r}
 352 - 166 \\
 +4 \quad +30 \quad +100 \quad +52 \\
 \hline
 166 \quad 170 \quad 200 \quad 300 \quad 352 \\
 30 + 4 + 100 + 52 \\
 = 134 + 52 = 186 \text{ km}
 \end{array}$$

Phumla ubhala loku:

$$\begin{array}{r}
 352 - 166 \\
 = 300 + 50 + 2 \\
 - 100 + 60 + 6 \\
 \hline
 = 300 + 40 + 12 \\
 - 100 + 60 + 6 \\
 \hline
 = 200 + 140 + 12 \\
 - 100 + 60 + 6 \\
 \hline
 = 100 + 80 + 6 \\
 = 186 \text{ km}
 \end{array}$$

Mbali wenta loku:

$$\begin{array}{r}
 352 - 166 \\
 166 + 100 \rightarrow 266 + 34 \rightarrow 300 + 52 \rightarrow 352 \\
 100 + 34 + 52 = 134 + 52 = 186 \text{ km}
 \end{array}$$

Peter wenta loku:

$$\begin{array}{r}
 352 - 166 \\
 = 352 - 100 - 66 \\
 = 252 - 66 \\
 = 252 - 52 - 14 \\
 = 200 - 14 \\
 = 186 \text{ km}
 \end{array}$$

Veronica wenta loku:

$$\begin{array}{r}
 352 - 166 \\
 352 - 152 = 200 \\
 200 - 14 = 200 - 10 - 4 \\
 = 190 - 4 \\
 = 186 \text{ km}
 \end{array}$$

Lebo ucabanga ngetimphindza-kabili nabohhafu:

$$\begin{array}{r}
 \text{Ibhafu ya } 352 \text{ ngu } 176 \\
 \text{Kodwa kufute ngitsatse } 166 \text{ kuphela,} \\
 \text{ngako-ke ngitawuphindze ngengete } 10. \\
 176 + 10 = 186 \text{ km}
 \end{array}$$

Cocani ngaletindlela letehlukene. Nguyiphi indlela loyitsandza kakhulu? Kungani?



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

$$746 - 328$$

$$800 - 499$$



Siphindza kuhlanguanisa nekususa sifike ku 800 futsi



Yakha yakakho imindeni-tinombolo.

Umsebenti wekutifutfumeta.

5 12 17



Sibonelo: Yakha 17

$$5 + 12 = 17$$

$$12 + 5 = 17$$

$$17 - 12 = 5$$

$$17 - 5 = 12$$

$$8 + 9 = 17$$

$$9 + 8 = 17$$

$$17 - 9 = 8$$

$$17 - 8 = 9$$



8 9 17

Hlolisisa! Catsanisa!
Lungisa!

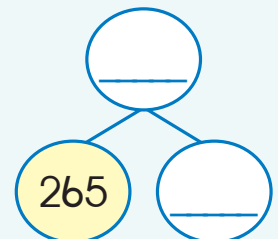
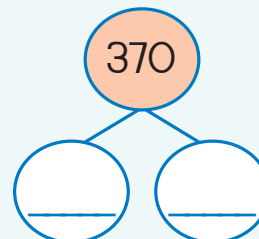
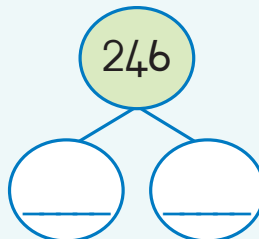
Enombolweni ngayinye ngentasi, khetsa letinye futsi leti-2 kwenta umndeni.

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

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



Tfola bophindza-kabili
nabohhafu labashiye.





Kuhhafula kute ususe.

Uma ubati boh hafu nabophindza-kabili bakho, kulokunye ungabasebentisa kuhlenganisa noma kususa. **Tibonelo:**

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

Nyalo yetama loku:

$340 - 176$	$145 + 148$	$900 - 452$
-------------	-------------	-------------



Fundzisisa tindlela.

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

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



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

728 webantfwana ngamunye utfola lithoyizi erestoranti yendzawo. Ihhafu yabo itfola emabhuloki ekwakha. Bangakhi labatfola emabhuloki ekwakha?	642 webantfwana ngamunye utfola limafini. Ihhafu yabo itfola emamafini etincetu teshokholethi. Bangakhi labatfola emamafini etincetu teshokholethi?
---	---



Emaphethini-nombolo: emashumi kuya ku 800

Ithemu 3



Yini longakusho ngaletinombolo emabhulokini lahlikihliwe?

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

Bala uye emuva ngemashumi kusuka ku 800 kuya ku 710.

Yini leta embi kwa 760 nawubala uya emuva?

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



Cedzela kulandzelana kwetinombolo.

720; 730; 740; _____; _____; _____

800; 790; 780; _____; _____; _____



Hlanganisa noma susa lishumi.

l. Yengeta lishumi. Sikwentele kwekucala.

a. $767 + 10 = 777$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



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 ebhodini yetinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana

kwetinombolo lelandzelako:

799; 789; 779; _____; _____; _____

704; 714; 724; _____; _____; _____

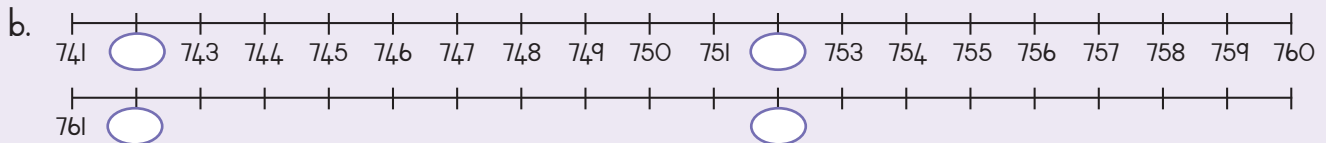
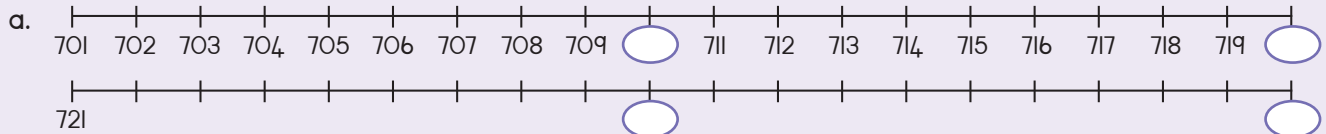
782; 772; 762; _____; _____; _____

715; 725; 735; _____; _____; _____

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?



Teacher: _____
Sign: _____
Date: _____

Kusonga usondzete emashumini

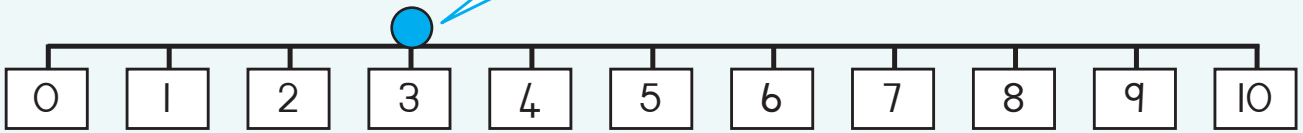
Tonkhe letinombolo kusuka ku 4 uya emuva titawusongwa tisondzetwe ku 0.

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

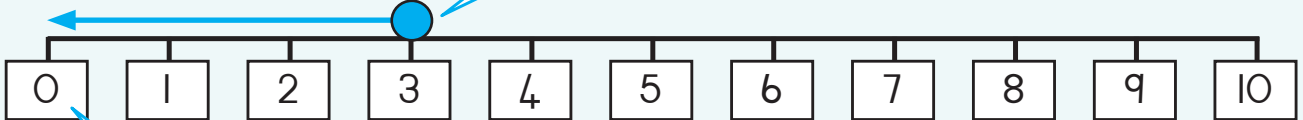


Asikhulume.

Buka 3 kumugca-nombolo.



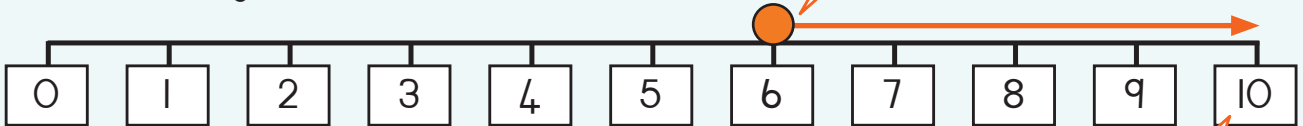
Utaba yini 3 uma sekasongiwe?



3 nakasongiwe wasondzetwa eshumini lelisedvute utaba ngu-zero.

Yenta sona leso ngaloku:

Utaba yini 6, nakasongiwe wasondzetwa ku 10 losedvute?



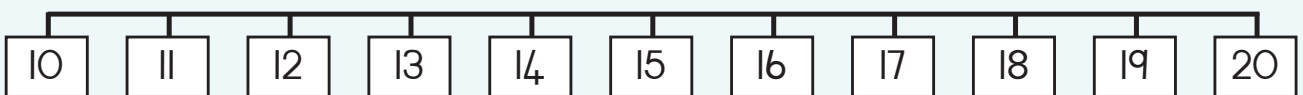
Imphendvulo itakuba ngu 10.



Songa usondzete ku 10 losedvute.

12 nakasongiwe ngu? _____

19 nakasongiwe ngu? _____



53 nakasongiwe ngu? _____

58 nakasongiwe ngu? _____





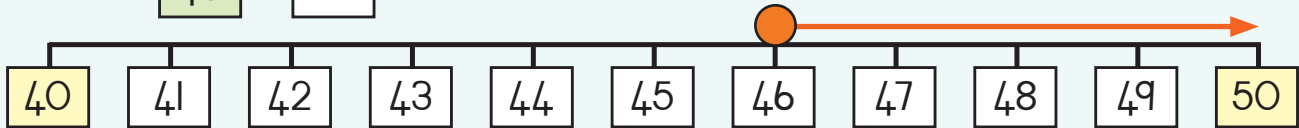
Songa usondzete ku IO losedvute,
usebentisa imigca-nombolo kukusita.

a. 46

46

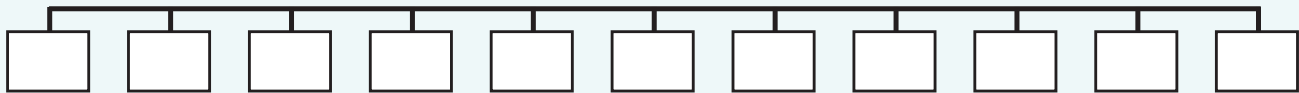
50

Usemkhatsini wamaphi emashumi
lamabili 46?



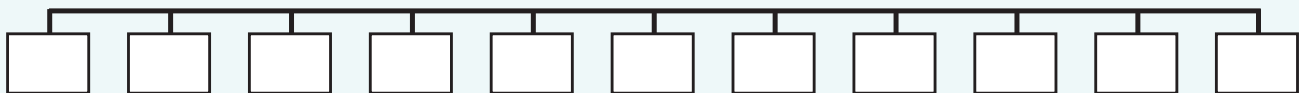
b. 63

Usemkhatsini wamaphi emashumi
lamabili 63?



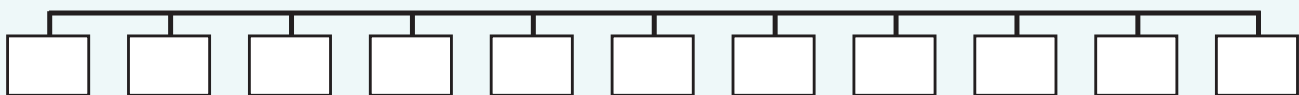
c. 37

Usemkhatsini wamaphi emashumi
lamabili 37?



d. 99

Usemkhatsini wamaphi emashumi
lamabili 99?



Thom una R48, 00.

Lipaka lemakhadi lawacokelelako libita R5, 00.

Mangakhi emapaka emakhadi langawatsenga ngaR48, 00? _____



Teacher: _____
Sign: _____
Date: _____

Kuphindzaphindza: tihlanu kufika ku 75

Yini leta ngetihlanu?

Iminwe esandleni sinye.



Mingakhi iminwe ku:

2 tandla?

3 tandla?

4 tandla?

5 tandla?

6 tandla?

7 tandla?

8 tandla?

9 tandla?

10 tandla?

Condzanisa sibalo

nembuto ngesancele:

$$9 \times 5 = 45$$

$$7 \times 5 = 35$$

$$2 \times 5 = 10$$

$$4 \times 5 = 20$$

$$3 \times 5 = 15$$

$$5 \times 5 = 25$$

$$10 \times 5 = 50$$

$$6 \times 5 = 30$$

$$8 \times 5 = 40$$



Cedzela lithebula.

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

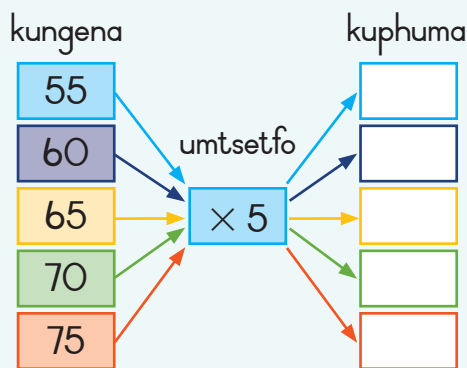
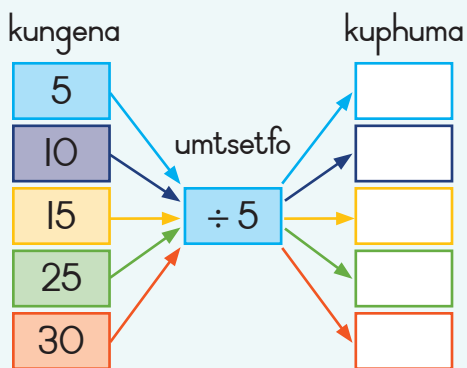
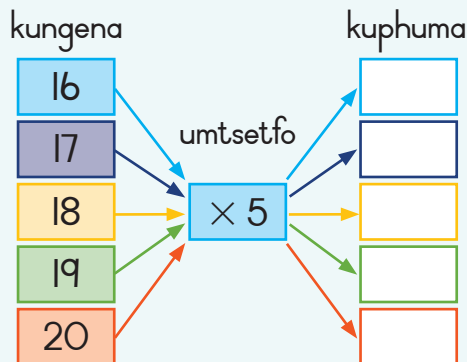
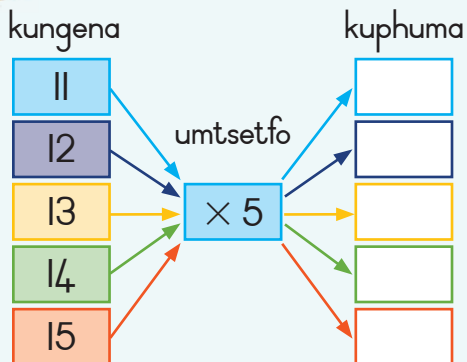


Cedzela lithebula.

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



Cedzela lelithebula lelingantasi:



Cedzela lamathebula ngentasi:

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

$\times$	11	12	13	14	15	16	17	18	19	20
5										

Utibale kanjani letimphendvulo lokufute tibhalwe etibayeni letilingangane?



Sombulula lokulandzelako:

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



Teacher: _____
 Sign: _____
 Date: _____

Emaphethini-nombolo: tihlanu kuya ku 800

Ithemu 3



Yini longakusho ngaletinombolo etibayeni letiliphuti?

Bala tihlanu kusuka ku 705 kuya ku 800.

Yini leta emva kwa 720 nawubala ngetihlanu?

Bala uye emuva ngetihlanu kusuka ku 800 kuya ku 705.

Yini leta embi kwa 730 nawubala uya emuva?

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



Cedzela lamaphethini-nombolo.

725; 730; 735; _____; _____; _____

800; 795; 790; _____; _____; _____



Hlanganisa noma susa sihlanu.

1. Yengeta sihlanu kulenombolo leniketiwe.
Sikwentele kwekucala.

a. $760 + 5 = 765$

b. 725 _____

c. 780 _____

d. 755 _____

e. 715 _____

f. 790 _____



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 lojicaphelako ngaletindilinga?

b. Chuba lendlela yekulandzelana kwetinombolo

lelandzelako:

703; 708; 713; ; ;

753; 758; 763; ; ;

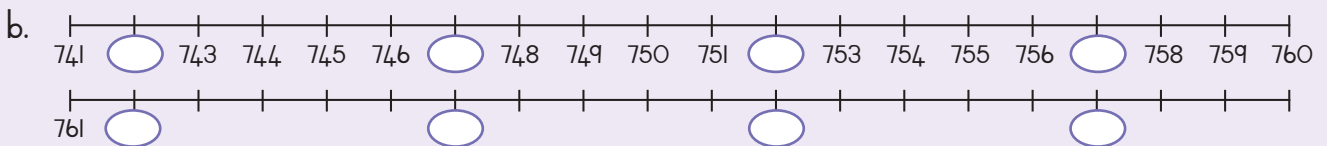
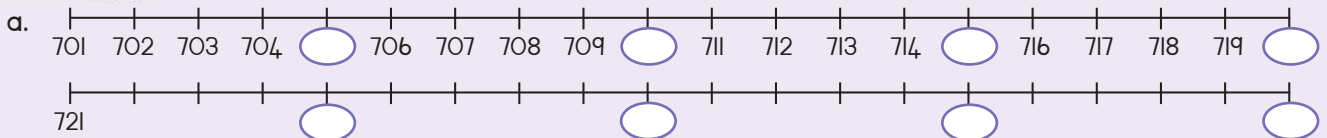
701; 706; 711; ; ;

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?



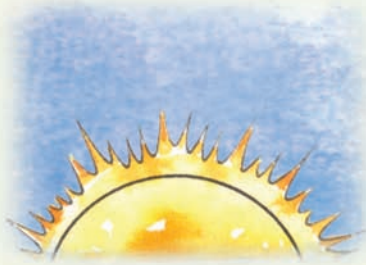
Teacher: _____
Sign: _____
Date: _____

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
iNdlovulenkulu 23	6:53 eksn	6:53 ntsmb		
iNhlaba 21	7:51 eksn	5:44 ntsmb		
iNyoni 19	6:41 eksn	6:41 ntsmb		
iNgongoni 22	5:32 eksn	7:58 ntsmb		

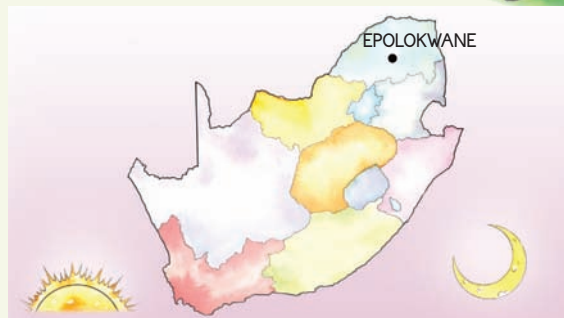
- Ngungatiphi tinyanga lapho khona imini nebusuku kulingana ngebudze? _____
- Nguyiphi inyanga lenetimini letindzekati? _____
- Nguyiphi inyanga lenetimini letimfisha kakhulu? _____
- Tfola umehluko ngema-awa nemizuzu emkhatsini wemini lendzekati nalemfisha kakhulu.

- Tfola budze bemini nebusuku balolo nalolo lulusuku kulelithebula lelingetulu.



EPolokwane

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



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

- 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 kutfolo tikhatsi tekuphuma nekushona kwelilanga endzaweni yakini. Tibhale phansi liviki lonkhe. Ngabe timini tiya ngekuba tindze noma tiya ngekufinyela tibe timfisha?

Teacher: _____
Sign: _____
Date: _____

Kuphindzaphindza: ngakubili kufika ku 75

Lusuku:

Yini lehamba ngakubili?
Lipheya linye leticatfulo.



Tingakhi ticatfulo letiku

1 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:

$$1 \times 2 = 2$$

$$9 \times 2 = 18$$

$$7 \times 2 = 14$$

$$2 \times 2 = 4$$

$$4 \times 2 = 8$$

$$3 \times 2 = 6$$

$$5 \times 2 = 10$$

$$10 \times 2 = 20$$

$$6 \times 2 = 12$$

$$8 \times 2 = 16$$



Cedzela lithebula.

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	

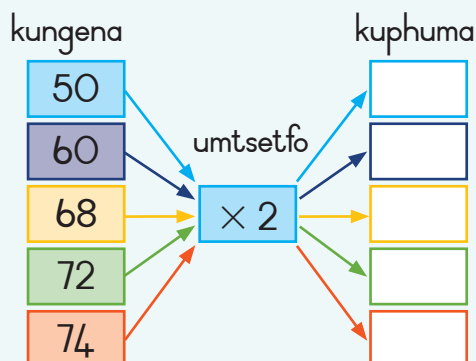
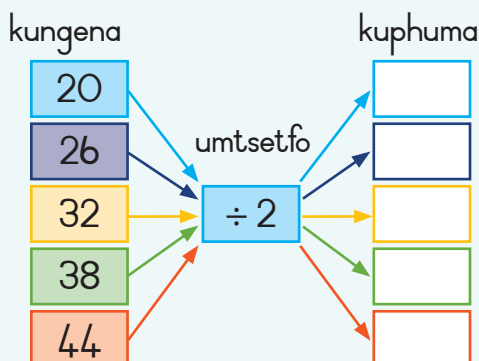
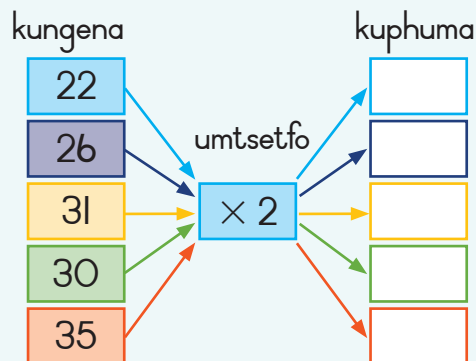
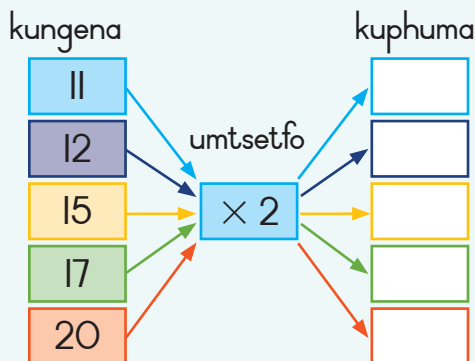


Cedzela lithebula.

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:

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

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



Sombulula lokulandzelako:

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



Teacher: _____
Sign: _____
Date: _____

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.
Kwekucala sesikwentele.

a. $764 + 2 = 766$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



2. Susa kubili enombolweni lonikiwe. Kwekucala sesikwentele.

a. $76\textcolor{red}{4} - 2 = 76\textcolor{red}{2}$

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; _____; _____; _____

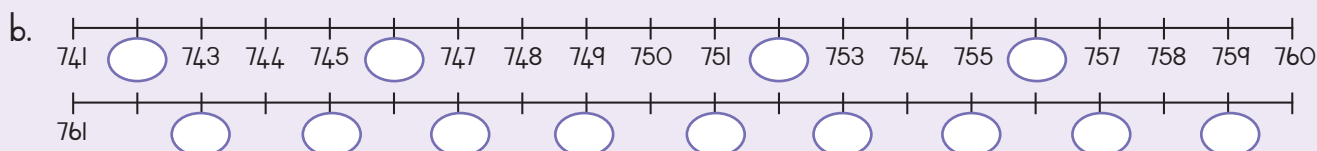
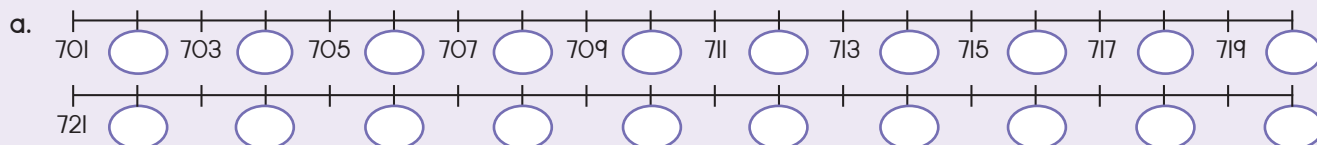
799; 797; 795; _____; _____; _____

783; 785; 787; _____; _____; _____

779; 781; 783; _____; _____; _____



Gcwalisa ngenombolo lefanele endilingeni ngayinye
kulemigca nombolo.



Nginenombolo lenhlavu-3.

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

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



Teacher: _____
Sign: _____
Date: _____

Kuphindzaphindza: bo 2 na bo 5 kufika ku 75



Ungakuphendvula masinyane kanganani loku lokulandzelako?

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



Bukisisa kutsi wenteni umngani wami.

Cocani ngako.

$$4 \times 2 = 8$$

Umngani wami ukhombise 4×2 kanjena:

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso
2, 4, 6, 8		$2 + 2 + 2$ $+ 2$	xx xx xx xx	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 4 = 2$ $8 \div 2 = 4$

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

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlelenjisiwe	Emaciniso



Phindzaphindza lokulandzelako:

24×3  $= (20 + 4) \times 3$ $= (20 \times 3) + (4 \times 3)$ $= 60 + 12$ $= 72$	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?



Teacher: _____
 Sign: _____
 Date: _____

Kuphindzaphindza: kutsatfu kufika ku 75

Yini lehamba ngakutsatfu?
Emasondvo elibhayisikili
lasondvontsatfu.



Mangakhi emasondvo laku

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

Condzanisa sibalo
nembuto ngesancele:

$$9 \times 3 = 27$$

$$7 \times 3 = 21$$

$$2 \times 3 = 6$$

$$4 \times 3 = 12$$

$$3 \times 3 = 9$$

$$5 \times 3 = 15$$

$$1 \times 3 = 3$$

$$10 \times 3 = 30$$

$$6 \times 3 = 18$$

$$8 \times 3 = 24$$



Cedzela lithebula.

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

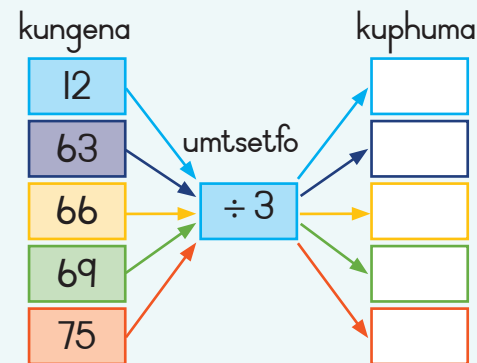
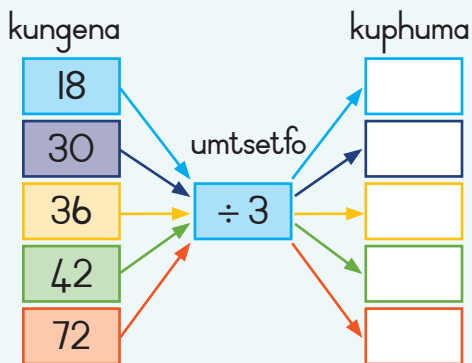
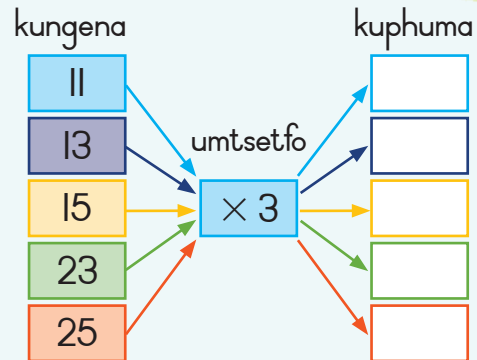
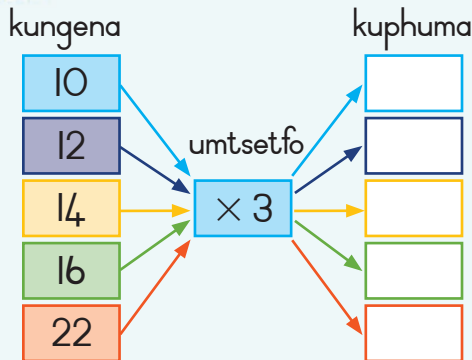


Cedzela lithebula.

Kwaba	Kwehlukana
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:

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

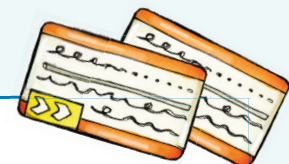
$\times$	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

Utibale njani letimphendvulo lapho khona emabhuloki angumbala lolingangane?



Sombulula lokulandzelako:

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



Teacher:
Sign:
Date:

Kuphindzaphindza:

bo 2, bo 3 na bo 4 kufika ku 75

Ungakuphendvula masinyane kanganani loku lokulandzelako?

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



Bukisisa umngani wami kutsi wenteni.

Cocani ngaloku:

$5 \times 2 = 10$

Ngicale ngakhombisa 5×2 kanjena:

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlolenjisiwe	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	Lokuhlolenjisiwe	Emaciniso

$6 \times 4 = 24$

Kwecisa kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindziwe	Lokuhlolenjisiwe	Emaciniso



Yehlukanisa ucilongwe imphendvulo yakho.

$$63 \div 3$$

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

$$21 \times 3$$

$$\begin{aligned}
 &= (20 + 1) \times 3 \\
 &= (20 \times 3) + (1 \times 3) \\
 &= 60 + 3 \\
 &= 63
 \end{aligned}$$

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 utawutfofa malini?



Teacher: _____
Sign: _____
Date: _____

Emaphethini nombolo: kutsatfu kuye ku 800

Ithemu 3



Yini longayisho ngaletinombolo etibayeni letinembala loliphuti?

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

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

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



Cedzela kulandzelana kwetinombolo.

703; 706; 709; _____; _____; _____

799; 796; 793; _____; _____; _____



Hlanganisa noma ususe kutsatfu.

1. Yengeta kutsatfu enombolweni lonikiwe.
Kwekucala sesikwentele.

a. $766 + 3 = 769$

b. 766 _____

c. 783 _____

d. 756 _____

e. 713 _____

f. 790 _____



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:

704; 707; 710; ; ;

773; 776; 779; ; ;

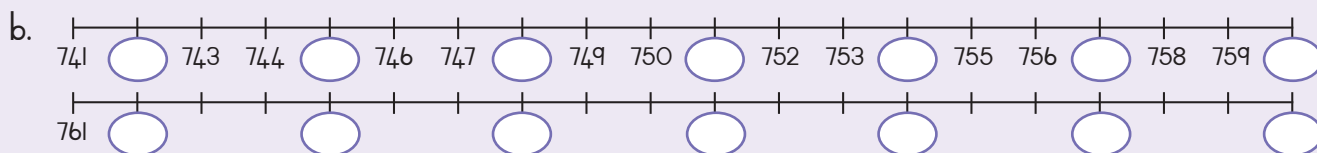
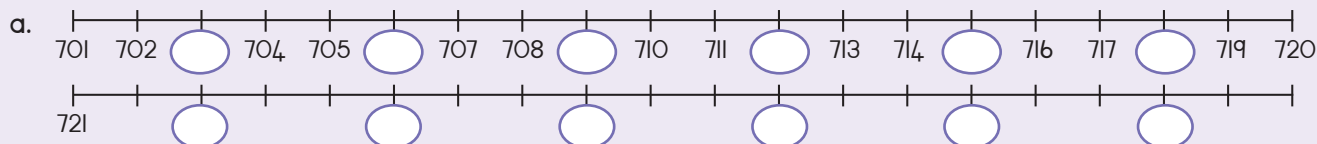
779; 776; 773; ; ;

782; 785; 788; ; ;

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?



Teacher: _____
Sign: _____
Date: _____

Kuphindzaphindza: ngakune kufika ku 75

Yini lehamba ngakune?
Emasondvo emoto.



Mangakhi emasondvo
laku

1 imoto?

2 imoto?

3 imoto?

4 imoto?

5 imoto?

6 imoto?

7 imoto?

8 imoto?

9 imoto?

10 imoto?

Condzanisa sibalo
nembuto ngesancele:

$$9 \times 4 = 36$$

$$7 \times 4 = 28$$

$$2 \times 4 = 8$$

$$4 \times 4 = 16$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$

$$1 \times 4 = 4$$

$$10 \times 4 = 40$$

$$6 \times 4 = 24$$

$$8 \times 4 = 32$$



Cedzela lithebula.

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

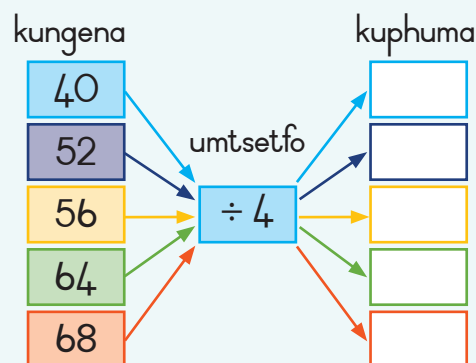
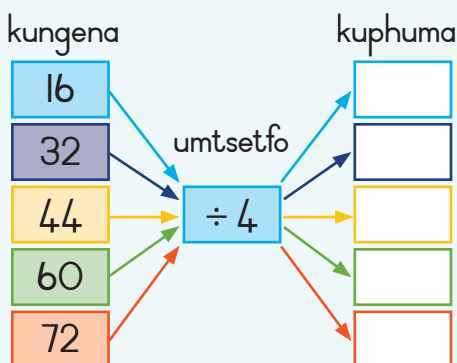
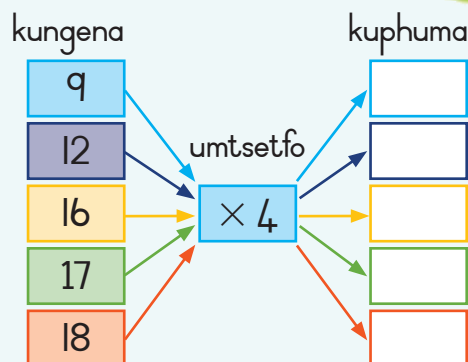
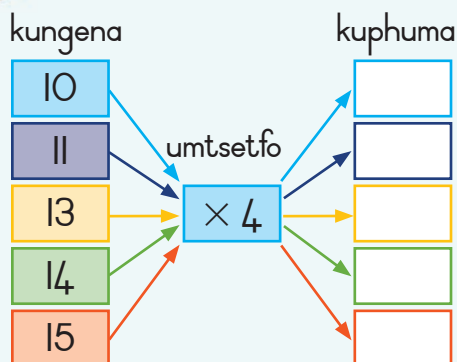


Cedzela lithebula.

Kwaba	Kwehlukana
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 ngentasi:

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

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

Utibale njani timphendvulo lapho khona emabhuloki angumbala lolingangane?



Sombulula lokulandzelako:

Ngina R75.

Tingakhi tipho tephathi letincane taR4 lengingatitsenga?



Teacher: _____
Sign: _____
Date: _____

Emaphethini nombolo: ngakune kuye ku 800

Ithemu 3



Yini longayisho ngaletinombolo etibayeni letinembala loliphuti?

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

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

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



Cedzela kulandzelana kwetinombolo.

704; 708; 712; _____; _____; _____

724; 728; 732; _____; _____; _____



Hlanganisa noma ususe kune.

1. Hlanganisa kune enombolweni lonikwe yona.
Kwekucala sesikwentele.

a. $764 + 4 = 768$

b. 764 _____

c. 788 _____

d. 754 _____

e. 718 _____

f. 794 _____



2. Susa kune enombolweni lonikwe yona. Kwekucala sesikwentele.

a. $76\textcolor{red}{4} - 4 = 76\textcolor{red}{0}$

b. 768 _____

c. 784 _____

d. 752 _____

e. 714 _____

f. 798 _____

3. Kwentekani uma uhlanganisa noma ususa kune kulenombolo lengetulu?



Bukisisa letindilinga letilingangane ebhodini letinombolo.

a. Yini lojicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana
kwaletinombolo:

703; 707; 711; _____; _____; _____

773; 777; 781; _____; _____; _____

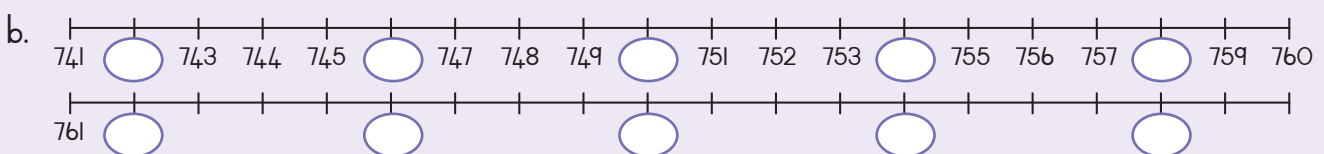
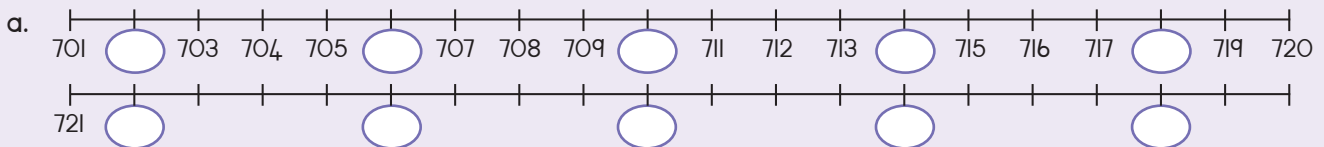
711; 715; 719; _____; _____; _____

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?



Teacher: _____
Sign: _____
Date: _____

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

Itimu 3



Ungakuphendvula 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 kumabhuloki lapho khona sibalo sikunika umsalela.

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



Wati kanjani kutsi leyo nombolo ingehlukaniseka ngayiphi.

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



Yehlukanisa ucilongwe imphendvulo yakho.

$$65 \div 3$$

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

$$21 \times 3 + 2$$

$$\begin{aligned}
 &= (20 + 1) \times 3 + 2 \\
 &= (20 \times 3) + (1 \times 3) + 2 \\
 &= 60 + 3 + 2 \\
 &= 65
 \end{aligned}$$

a. $49 \div 5$

b. $65 \div 5$



Sombulula lokulandzelako:

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





Timphawu tetakhiwo te 3-D



Buka letitfombe.

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

Emabhola



Emabhokisi



Imibhoshongo



Emaphiramidi



Imibhoshongo



Buka letitfombe bese ucedzela lemisho nemibuto.



a. Ibhola

_____.



b. Yentiwa yini ibhola kungasheleli?

_____.



c. Umbhoshongo

_____.



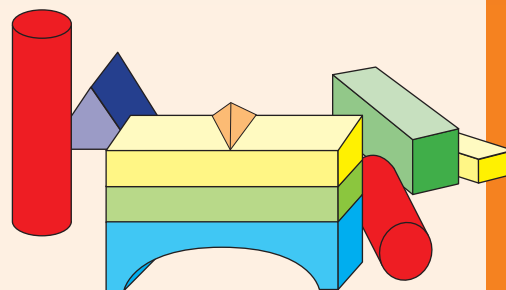
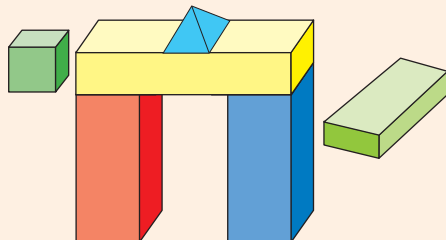
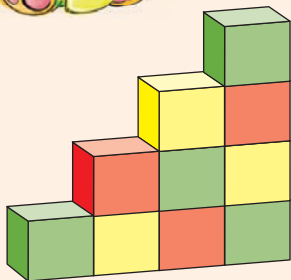
d. Umbhoshongo ungashelela yini nawo?

_____.



Shano tintfo letisetjentiswe kulesitfombe.

Utawuyisho kanye intfo ngayinye. Shano kutsi ingagicika noma ishelele.





Shano kutsi letakhiwo te 3-D tiscabati noma

tinemiphetfo legwenjile.



Dvweba lokulandzelako:

Libhokisi lelisimame etu kwembhoshongo.	Ibhola lesimame etu kwembhoshongo.	Umbhoshongo losimanme etu kwelibhokisi.
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Teacher: _____

Sign: _____

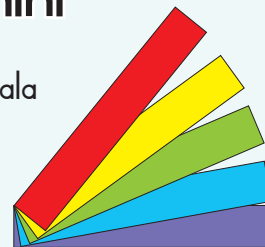
Date: _____

Emakhithi elucu lwemafrakishini

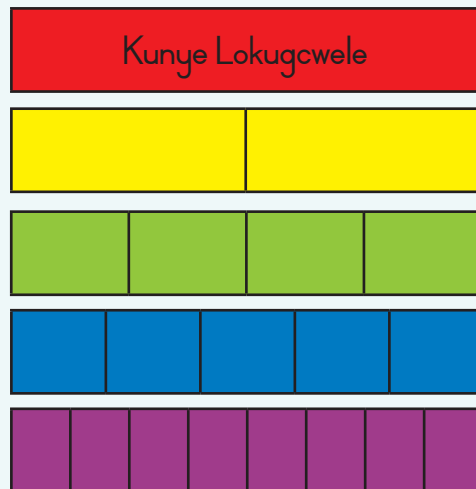


Yakha ikhithi.
Lishadi lekusikwa 5

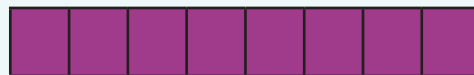
Kwekusetjentiswa: 5 imicu yemaphepha ngemibala
leyehlukene, Sikelo, Timpeniseli/Emakhilayoni



Ekhatsi Elucwini lunye bhala lamagama: "Kunye Lokugcwele"
Tsatsa lolunye lucu ulugobe emkhatsini-ngco ngekucophelela.
Bese uyaluvula. Tingakhi tincenye letilinganako lose unato?
Bhala $\frac{1}{2}$ ehhafini ngayinye bese usika ngemgobo.
Tsatsa lucu lwesitsatfu ulugobe emkhatsini-ngco, phindza futsi
ulugobe emkhatsini-ngco. Luvule. Tingakhi tincenye letilinganako
lose unato? Bhala $\frac{1}{4}$ kuncenye-ne ngayinye, bese usika ngemigobo.
Tingakhi tincenye talokusiphohlango letenta hhafu munye?



Sebentisa leticucu letikukhithi
yemafrakishini kukusita uphendvule lemibuto.



Bangakhi bohhafu

Tingakhi tincenye-ne

labangangaKunye Lokugcwele?

letingangahhafu munye?



Emafrakishini kumugca-nombolo.

Lolucu lukhombisa, Kunye Lokugcwele.

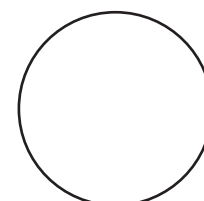
Lendilinga ikhombisa
Kunye Lokugcwele.



Yehlukanisa lucu ngaboncenye-ntsatfu.

Yehlukanisa indilinga
ngaboncenye-ntsatfu

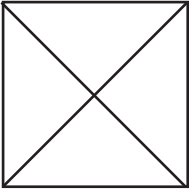
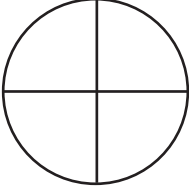
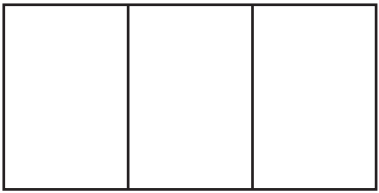
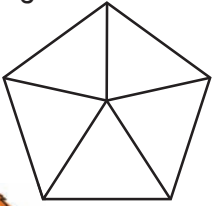
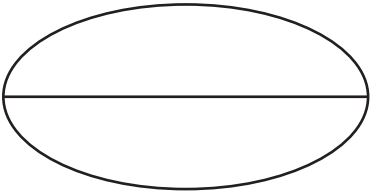
Faka umbala
kuncenye-ntsatfu munye.



Faka umbala kuncenye-ntsatfu munye..



Nyalo faka umbala kuloku lokulandzelako:

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



Dvweba lokulandzelako:

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



Lungisa ikhithi yakho

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



Teacher: _____
Sign: _____
Date: _____



Kabanti ngemafrakishini



Bhala Yebo noma Cha.

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



Yaba iphayi.

Sipho, Gugu, Andile naLisa babelana iphayi yinye.



a.

Ngafa yindlala!
Ngifuna ihhafu

Sipho



Dvweba sabelo saSipho.



b.

Kulungile!
Ngitawutsatsa ikota.

Gugu



Dvweba tabelo taboSipho naGugu.



c.

Ngitawutsatsa
ihhafu yalokusele.

Andile



Dvweba sabelo saSipho, Gugu na-Andile.



d.

Inganani iphayi
lesalele mine?

Lisa

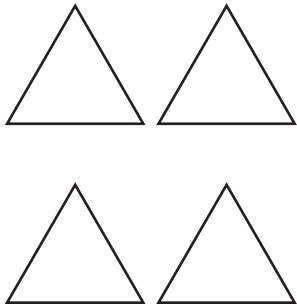
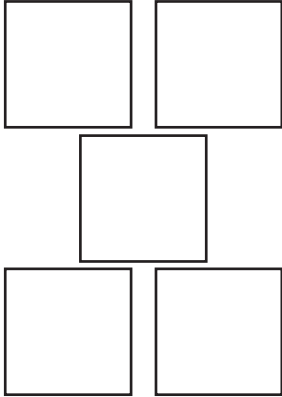
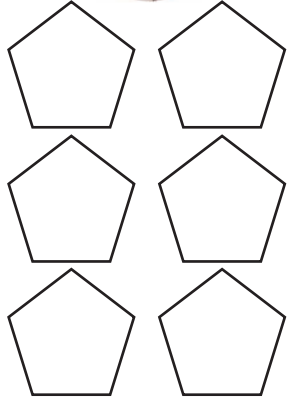


Dvweba tonkhe tabelo tabo talephayi.





Yaba bobunjwa wabele bantfwana
ngekudweba umugca uwufake umbala.

 	 	 	 
--	--	--	--



Bangani labane babelana 5 wemaswidi
ngekulingana.
Umuntfu ngamunye utawutfole mangakhi?
Utsini umbuto?

Titsini tinombolo?

Dvweba sitfombe.

Bangani labasitfupha babelana 9 wemaswidi
ngekulingana.
Umuntfu ngamunye utawutfole mangakhi?
Utsini umbuto?

Titsini tinombolo?

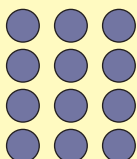
Dvweba sitfombe.



Teacher:
Sign:
Date:

Kwaba kuholela kumafrikishini

Nati tintfo-
tekubala
letili-12



Sibangani lababili. Sinekwukuphatsa
kunye kwehlukaniswe ngco kuhhafu.

Loku sitsi
yihhafu yinye.

Loku sitsi
yihhafu yinye.

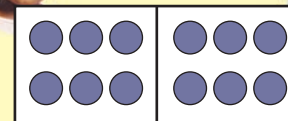




Sabelana tintfo-tekubala Lishumi-
nambili emkhatsini wetfu sobabili.

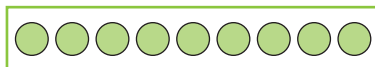
Ngitfole sitfupha
setintfo-tekubala.

Ngitfole sitfupha
setintfo-tekubala.



Yenta umdvwebo walokulandzelako uphendvule umbuto.

Imfica yemabhola yehlukaniswe emkhatsini
webangani labatsatfu.



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

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

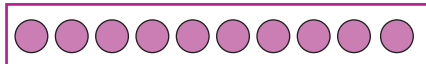


- Mangakhi emabhola latawutfolwa
yintfombatana ngayinye?
- Itsini ifrakishini letawutfolwa
ngumfana ngamunye?



Itsini ifrakishini letawutfolwa nguMandla?
Itsini ifrakishini letawutfolwa nguLisa?

Ligama lami
nguMandla



- Mangakhi emabhola latawutfolwa boMandla
naLisa?

Ligama lami
ngulisa.



- Mangakhi emabhola latawutfolwa boMandla
naLisa?



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

Indvwangu ibita R6 imitha.



a. Tingakhi tiketi labangatenta ngendvwangu lengu?

5 m _____ 10 m _____

20 m _____ 25 m _____

b. Inganani indvwangu labayidzingako kwenta

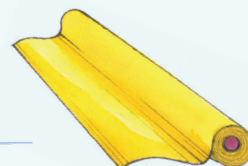
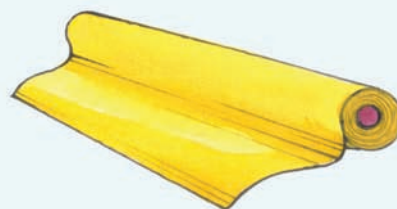
2 wetiketi _____ 3 wetiketi _____ 4 wetiketi _____

c. Ibita malini indvwangu kwenta

1 siketi _____ 2 wetiketi _____ 3 wetiketi _____

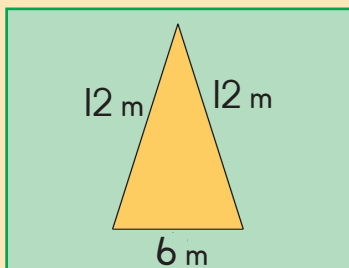
d. Tingakhi tiketi labangatenta nga

R450 _____ R825 _____ R180 _____ ?



Libanga kugegeleta

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



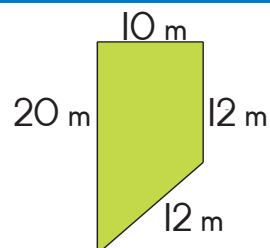
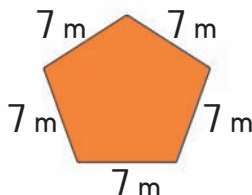
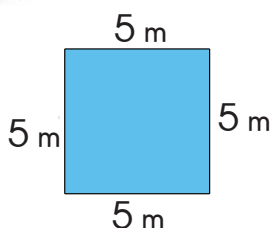
Umlimi unensimi lemacala ntsatfu.

Singawutfolela umgegeleto walesivandzi ngekuhlunganisa bonkhe budze bemacala lehlukene.

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



Tfolela lena migegeleto.



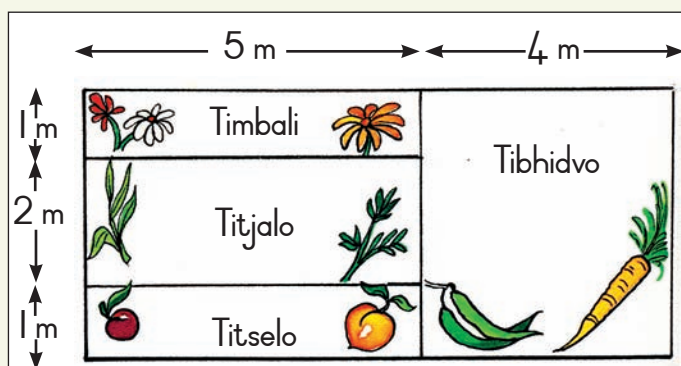
Ingadze yaVeronica.

Veronica udvweba umfanekiso wengadze lafuna kuyilima.

- Uyini umgegeleto walenzawo lapho alima khona titjalo takhe? _____
- Ngutiphi tigaba letimbili letinemgegeleto lofanako? Utsini umgegeleto wato? _____

_____ na _____ tinemgegeleto wa _____ m.

- 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 lobufinyelela kumgegeleto waleyontfo.
3. Nyalo tsatsa intsambo uyelule isuke kulunye luhlangotsi lwendilinga luye kulolunye uyihambisa emkhatsini. Bala kutsi yenela kangakhi .
4. Yenta sona lesa ngetintfo letisandilinga.
5. Bhala lokucaphelako.



Libanga lekugegeleta indilinga libitwa ngekutsi ngumgegeleto.



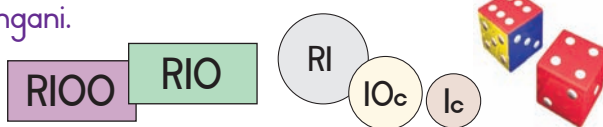
Libanga lelibhukule indilinga libitwa ngekutsi sibhukula-mkhatsi.



Kuhweba ngemali

Dlala lemidlalo nemlingani.

Kwekusetjentiswa:



boRIOO	boRIO	boRI	IOc	Ic

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

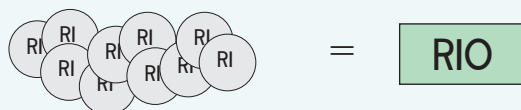
Beka Libhodi leMali etafuleni.

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

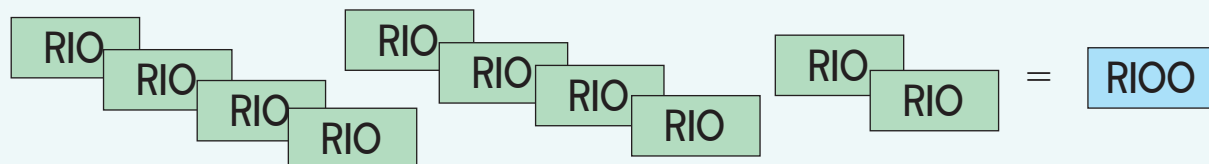


Hlanganisa kufike ku IOO wemaRandi.

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



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



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



Susa kusuka ku R100 kufike ku R0.

Dlala wona lowo mdlalo, kodvwa nyalo cala ngelishumi labo R10 wemaphepha, bese ususa sibalo setinombolo edayizini. Umdlali lofika ku R0 kucala ngumphetsa.

boR100	boR10	boR1	IOc	Ic



Kuhlanganisa neKususa ku R1 000.

Hlanganisa sibalo selidayizi ligema ngalinye, bese utsatsa leya nombolo ya R10 wemaphepha. Wekucala kufika ku R1 000 ngumphetsa. Noma, cala nga R1 000, bese uyesusa ligema ngalinye. Umdlali wekucala kufika ku R0 ngumphetsa.



Kuhlanganisa kufika ku R1.

Dlala umdlalo lofana newekucala, kodvwa-ke nyalo uma ujika lidayizi bese utfolala sibalo, tsatsa lesibalo selidayizi ku 1 senti webuhhehlu. Uma unelishumi labo Ic bebuhhehlu, bantjintje babe ngulOc buhhehlu. Wekucala kukhona kuntjintja lishumi la IOc buhhehlu kube ngu R1 buhhehlu ngumphetsa.



Susa emasenti.

Cala nga R1, bese ususa ligema ngalinye. Wekucala kufika ku 0 wemasenti ngumphetsa.



Teacher: _____
Sign: _____
Date: _____

Asiyowutsenga!



Indali yetigcoko.

Lesitolo sitsengisa tigcoko ngetintsengo letehlukene ka 5.



							Samba
Sigcoko a  R20	R20	R20	R20	R20	R20	R20	R120
Sigcoko b  R25	R25	R25	R25	R25	R25	R25	
Sigcoko c  R50	R50	R50	R50	R50	R50	R50	
Sigcoko d  R75	R75	R75	R75	R75	R75	R75	
Sigcoko e  R100	R100	R100	R100	R100	R100	R100	

a. Tfola kutsi tibita malini tigcoko luhele ngalunye.

b. LaZondo utsenga I luhlobo ngalunye lwesigcoko.

Ubhadala malini sekukonkhe? _____

c. Mbhuti usebentisa R450 sekukonkhe. Utsenga I sigcoko nga R100.

Ngutiphi letinye tigcoko latitsengako? Khombisa 2 waletinye timphendvulo longatitfolo.

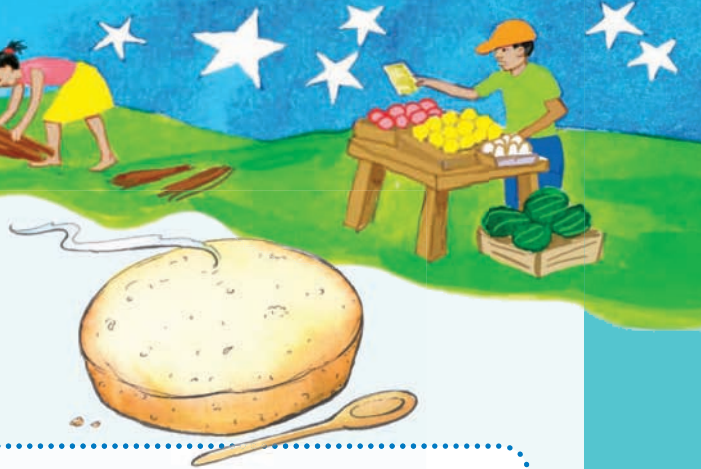
Hlolisisa! Catsanisa!
Lungisa!

Imphendvulo 1	Imphendvulo 2



Ebhekari.

Musa usebentisa leresiphi kwenta likhekhe mafotjo.



Iresiphi yeLikhekhe-mafotjo

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

Kwekufaka emkhatsini: 140 ml ikhirimu

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

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

b. Faka luphawu (✓) emphendvulweni lengiyo.

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



Hlolisisa!
Catsanisa! Lungisa!



Tibalo letisheshako.

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



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? _____



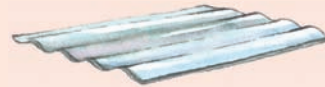
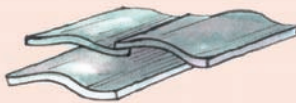
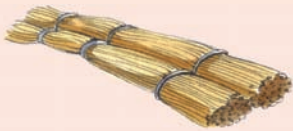
Luhlobo luni lweluphahla?

Bafundzi beLikilasi leLibanga 3 benta luhlwayo esigodzini sangakubo.

Bafuna kwati kabanti ngetinhlobo teluphahla etindlini letehlukene.

Bakhombisa imiphumela yabo kulegrafu yelibhuloki.

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



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

Kungakhi kwenhlobo ngayinye yeluphahla labakubonako?

Emathayili _____ Tjani _____ Lipulango _____ Ngcwengcwe _____

Nguyiphi inhlobo yeluphahla ledvume kakhulu? _____

Tingakhi timphahla labatibalako setitonkhe? _____



Emasayizi etigcoko.

Bafana basesikolweni iJama bagcoka emakepisi.

Lamakepisi abosayizi 2, 3 na 4.



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

Bala kutsi bangakhi bafundzi labagcoka isayizi ngayinye yelikepisi.

2 _____ 3 _____ 4 _____

Nguyiphi isayizi levame kakhulu? _____

Hlolisa! Catsanisa!
Lungisa!

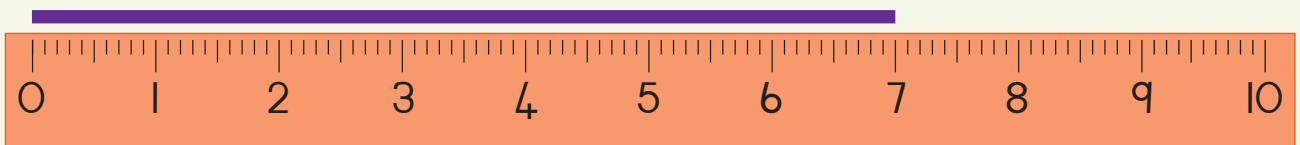
Teacher: _____
Sign: _____
Date: _____

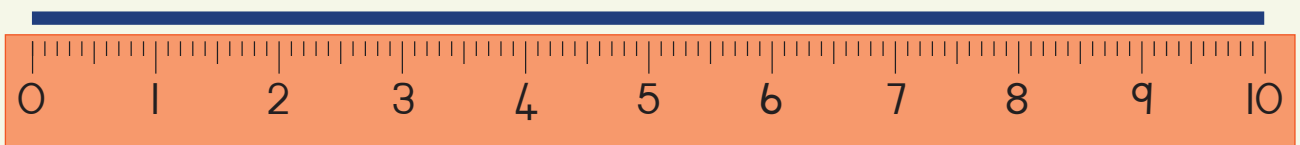
Kusebenta ngemasentimitha



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 leliphuti ingu 9 cm, lensundvu ingu 14 cm, lemnyama ingu 8 cm, lephinki ingu 13 cm kantsi lemhlophe ingu 15 cm.



a. Nguyiphi ipeniseli loyisebentise kakhulu kunato tonkhe? _____

b. Nguyiphi ipeniseli loyisebentise kancane kunato tonkhe? _____

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



Teacher:

Sign:

Date:

Tinombolo 700 kuye ku 800



Bala ubhale.

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

700



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

- b. Bhala tinombolo letishiyiwe kulegridi ngetulu.
c. Bhala leli-10 letinombolo letita emva kwa 750.

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

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

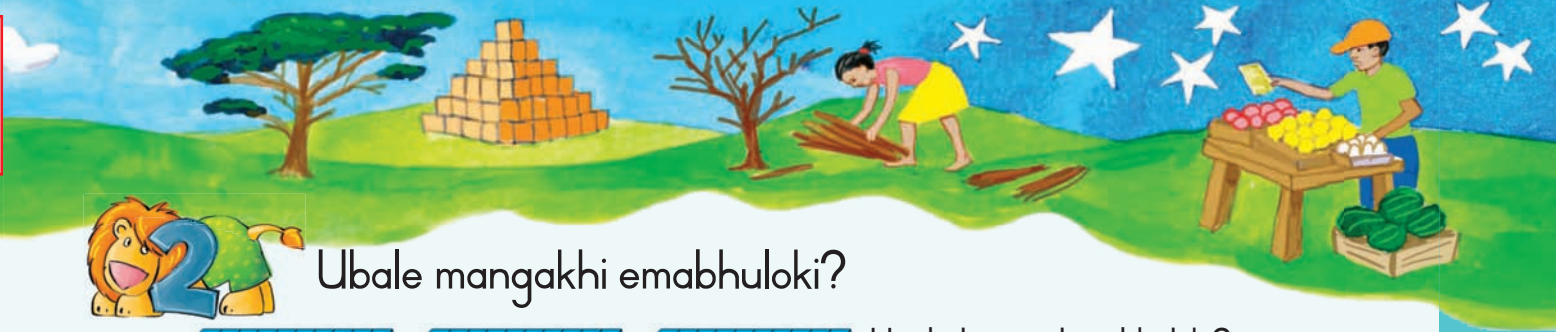
762; 764; 766; _____; _____; _____; _____; _____; _____

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

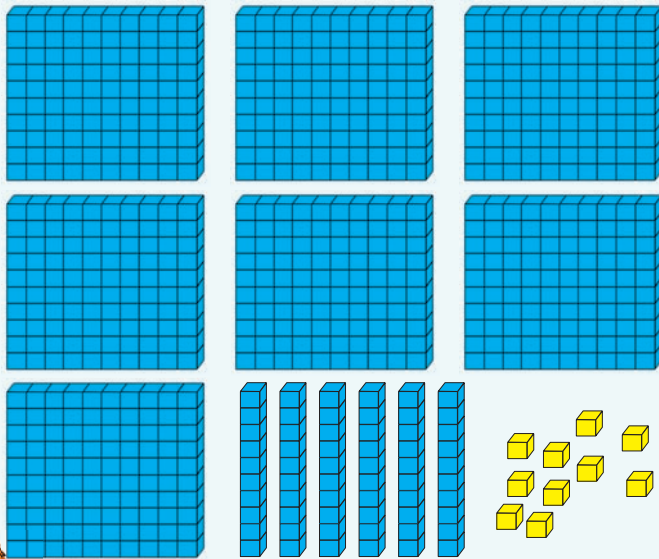
751; _____; _____; _____; _____; _____; _____; _____; _____; 773

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

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



Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.

750			753				757		759	
							789	788	787	
					753	756	759			



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



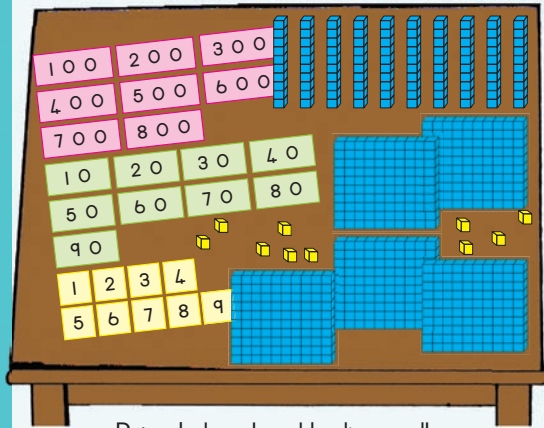
Teacher:

Sign:

Date:

Kabanti ngetinombolo kusuka ku 700 kuya ku 800

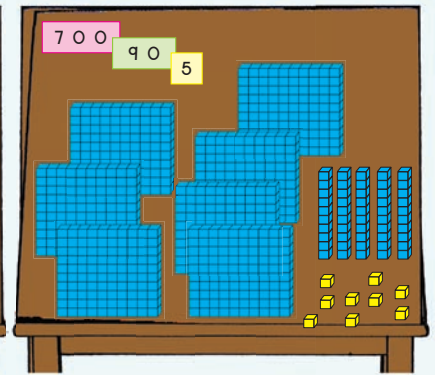
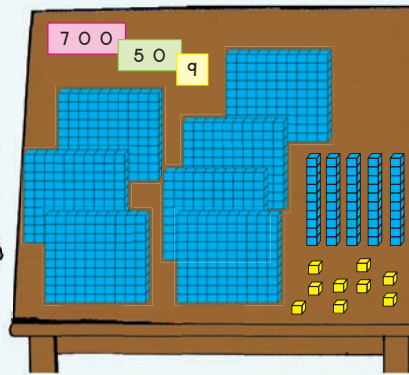
Ithemu 4



Peter bekanalakhadi emandla-sikhundla lalandzelako kanye nemabhuloki lalishumi

Thishela wacela Peter kutsi akhombise 759 ngemakhadi akhe nangemabhuloki.

Naku lokukhonjiswe nguPhilani. Yini layonile?



Bhala umusho-nombolo bese ubhala imphendvulo.

$700 + 60 + 7 = 767$		



Bhala umusho-nombolo bese ubhala imphendvulo.

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



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

7 0 0

9 0

9

7 9 9

799 $700 + 90 + 9$



Bhala tinombolo-magama.

668	
757	
799	
742	
691	



Teacher: _____
Sign: _____
Date: _____

Tinombolo 800 kuye ku 900



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

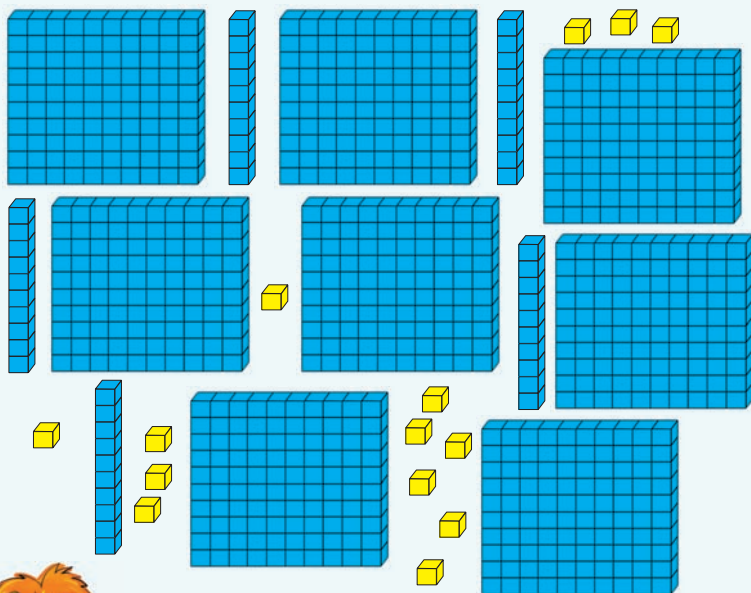
807; _____; _____; _____; _____; _____; _____; _____; _____; 829

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

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



Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.

830			833				837	838		
							876	881	886	
					843	846	849			



Cedzela lithebula.

Bhala kusuka kulencane kakhulu kuye kulenkhlukati.

Bhala kusuka kulenkhlukati kuye kulencane kakhulu.

856, 853, 855, 851, 857		
898, 801, 810, 819, 891		



Bhala lokulandzelako ngemagama.

845

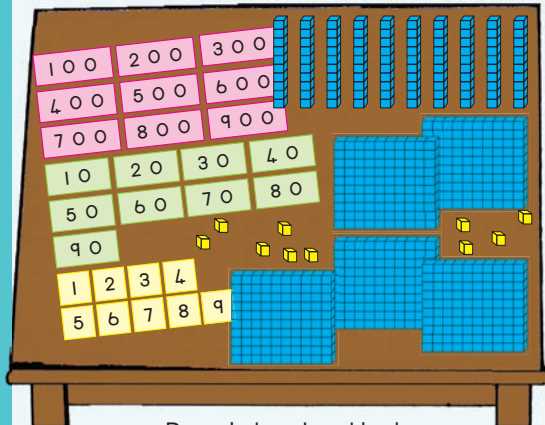


Teacher:

Sign:

Date:

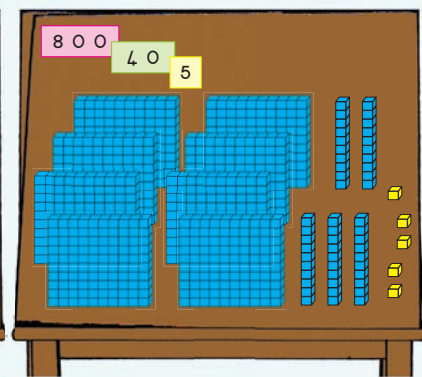
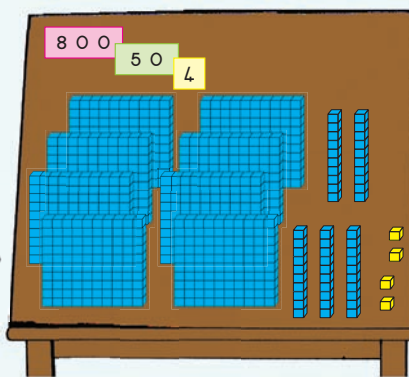
Kabanti ngetinombolo kusuka ku 800 kuya ku 900



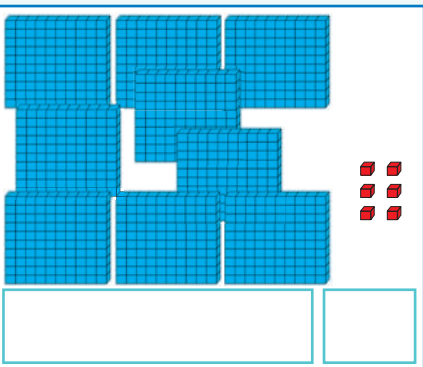
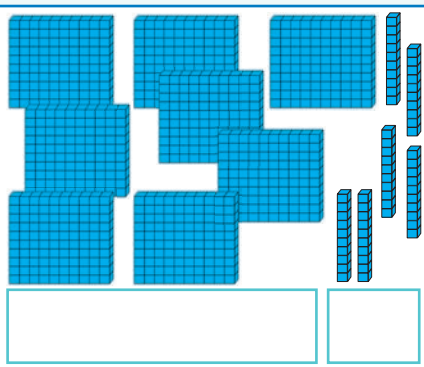
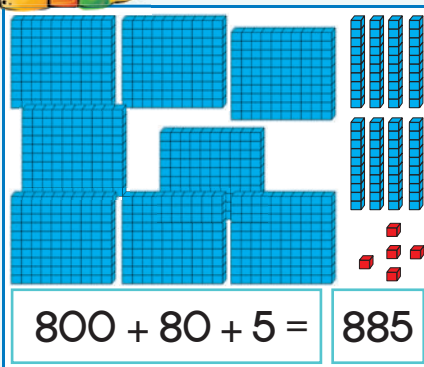
Peter bekanalamakhadi emandla-sikhundla lalandzelako nemabhuloki lalishumi.

Thishela wacela Peter kutsi akhombise 854 ngemakhadi akhe nangemabhuloki

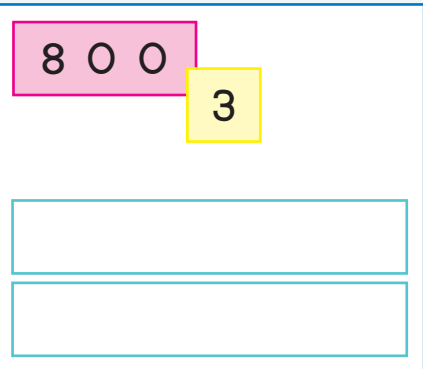
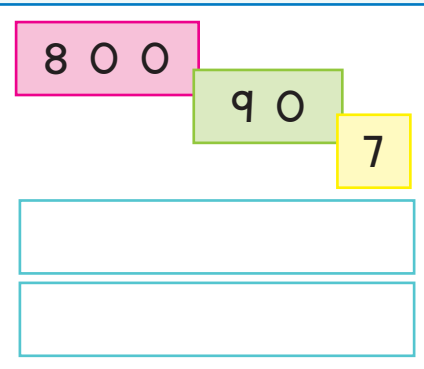
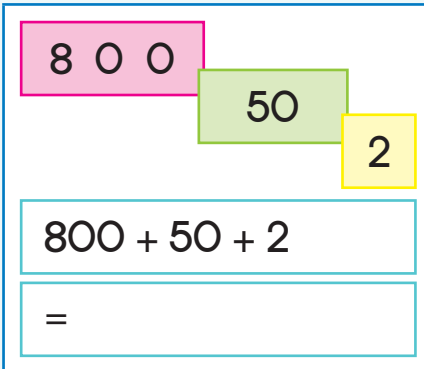
Naku lokukhonjiswe nguPhilani. Yini layonile?



Bhala umusho-nombolo bese ubhala imphendvulo.



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

8 0 0

7 0

6

8 7 6

876 $800 + 70 + 6$



Bhala tinombolo-magama.

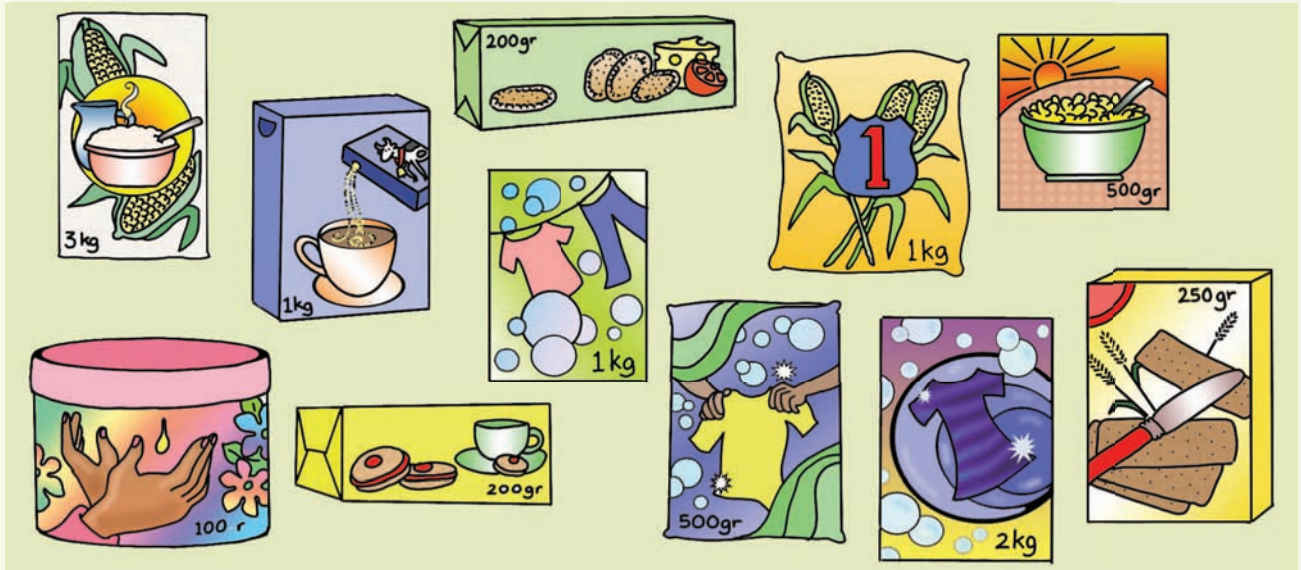
889	
825	
803	
830	
899	



Teacher: _____
Sign: _____
Date: _____

Kukala tintfo

Bukisisa 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 semkhicito seyindzawonye?

Semkhicito wekucala 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.



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 seiyonkhe?

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



Teacher: _____
Sign: _____
Date: _____

Asichubeke ngesisindvo

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

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

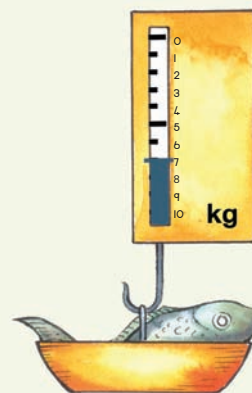
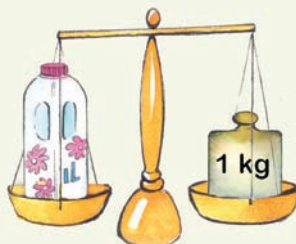
Emhlabeni emisebentini yamalanga onkhe sisebentisa tikalo letifanako kukala kwesindza nesisindvo. Sikala kwesindza ngemakhilogremu nangemagremu.

Tikali letehlukene

Sisebentisa tinhlobo letehlukene tetikali kukala kwesindza nesisindvo.

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

Ilitha yemanti inekwesindza kwa 1 kg.

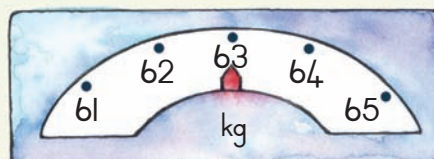


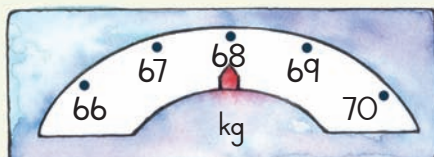
Lenhlanti inesisindvo sa 3 kg.

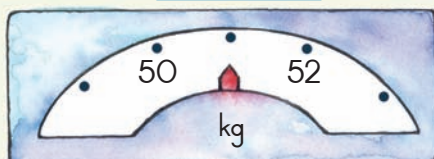


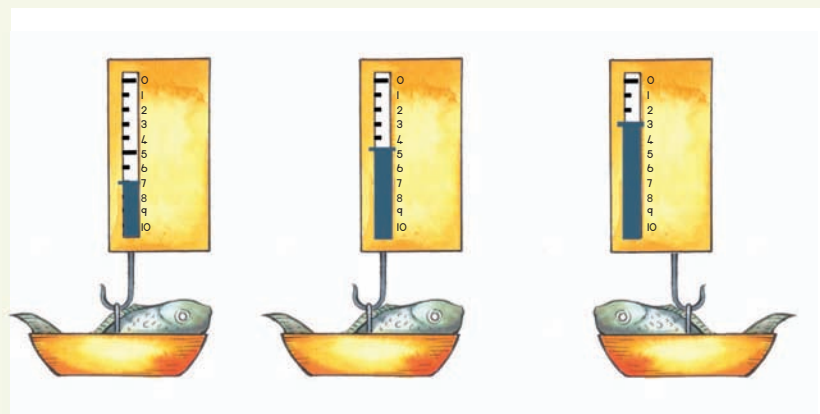
Tfola sisindvo saloku.

Bhala sisindvo ngema kg lakhonjiswa kuleso naleso sikali-magcuma.







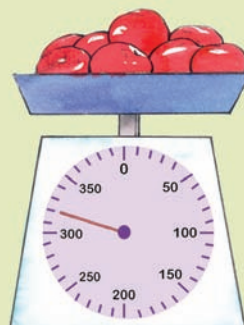




Sisebentisa emagremu kukala kwesindza kwetintfo letincane noma letimelula nekukala emafraکشینی elikhilogremu.

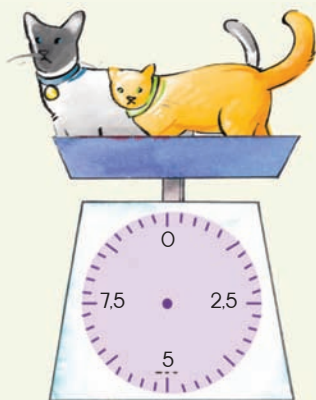
$$1\,000\text{ g} = 1\text{ kg}$$

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

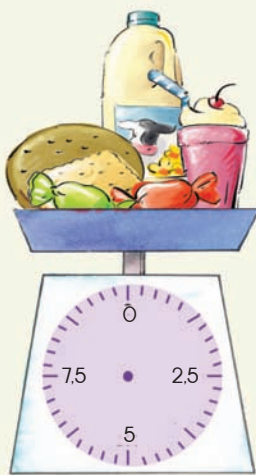


Kwesindza kanganani?

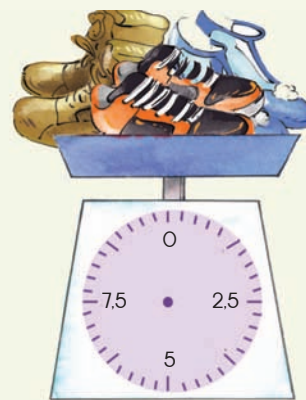
Dvweba lapho butjoki kufute buye khona sonkhe sikhatsi esikalini.



7 kg



4 kg



6 kg



Yenta likhilogremu

Hlanganisa uchubeke kwenta 1 kg (1 000 g.)

- $125\text{ g} + 250\text{ g} + 125\text{ g} + \underline{\hspace{2cm}}\text{ g} = 1\,000\text{ g} (1\text{ kg})$
- $50\text{ g} + 30\text{ g} + 240\text{ g} + 60\text{ g} + 100\text{ g} + \underline{\hspace{2cm}} = 1\text{ kg}$
- $57\text{ g} + 46\text{ g} + 243\text{ g} + 334\text{ g} = \underline{\hspace{2cm}} = 1\,000\text{g} (1\text{ kg})$
- $50\text{ g} + 90\text{ g} + 160\text{ g} + \underline{\hspace{2cm}} = 1\,000\text{ g} (1\text{ kg})$



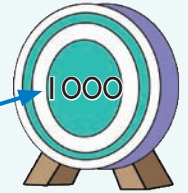
Tinombolo 900 kuya ku 1 000



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.

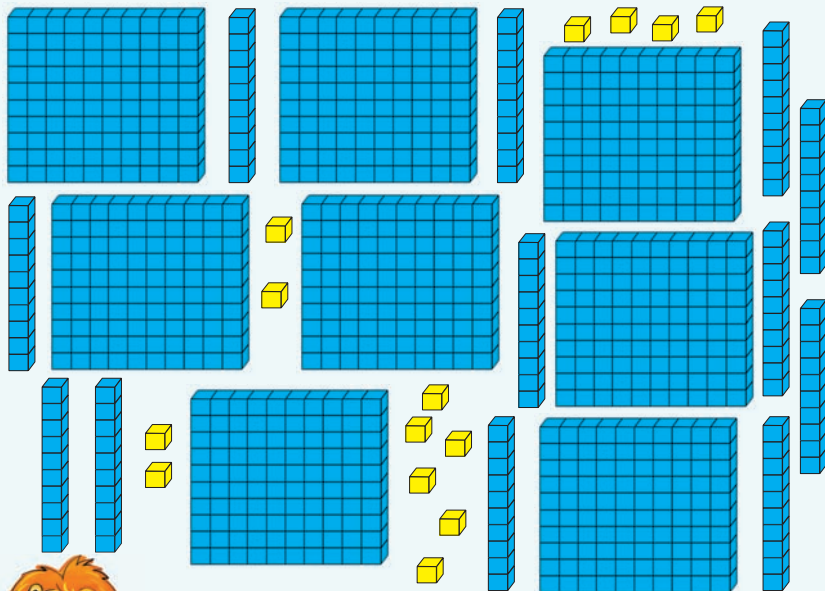
945; _____; _____; _____; _____; _____; _____; _____; _____; 967

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

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



Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.

950			953				957	958		
							956	961	966	
					903	906	909			



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



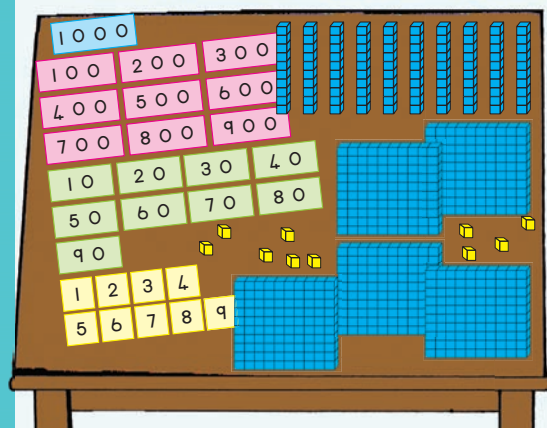
Teacher:

Sign:

Date:

Kabantingetinombolo kusuka ku 900 kuya ku 1 000

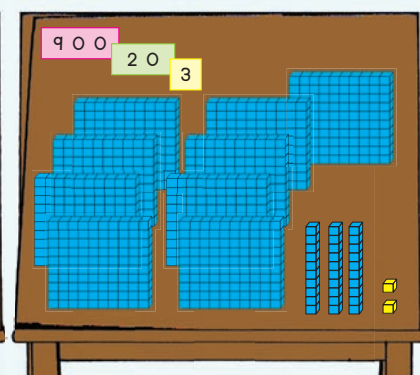
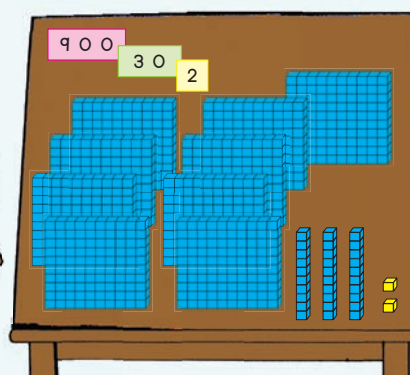
Lusuku:



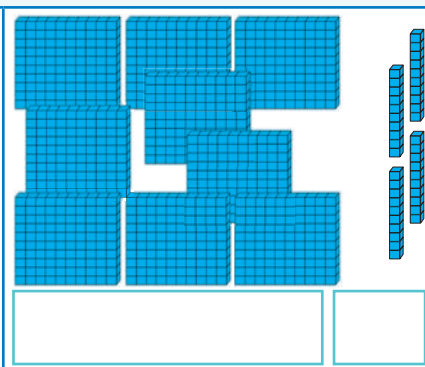
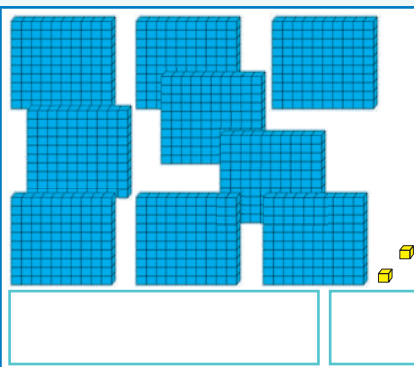
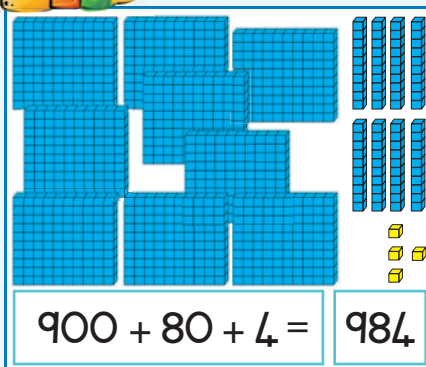
Andile bekanalamakhadi
emandla-sikhundla lalandzelako
nemabhuloki lalishumi.

Thishela wacela Andile kutsi
akhombise 932 ngemakhadi
akhe nangemabhuloki.

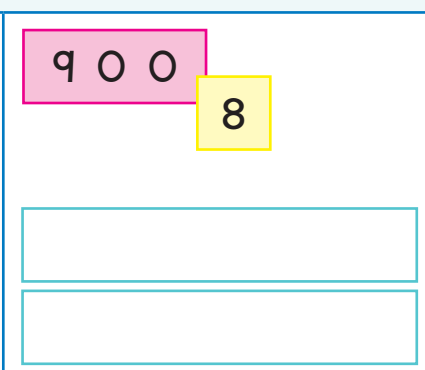
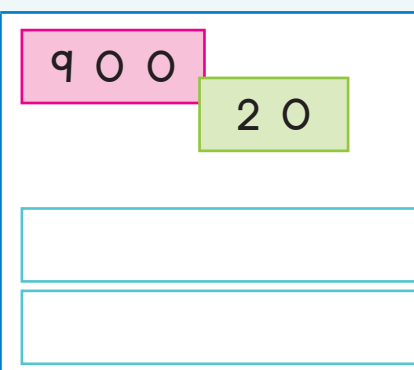
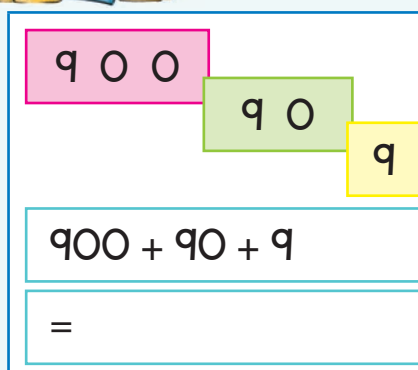
Naku lokwakhonjiswa nguGugu.
Uphazame kuphi?



Bhala umusho-nombolo bese ubhala imphendvulo.



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	

Sibonelo: 984

9 0 0

8 0

4

9 8 4

984

$900 + 80 + 4$



Bhala tinombolo-magama.

976	
905	
950	
821	
909	



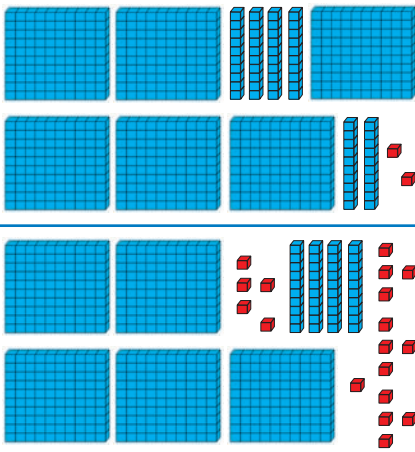
Teacher: _____
Sign: _____
Date: _____

Kuhlanganisa nekususa kuye ku 999

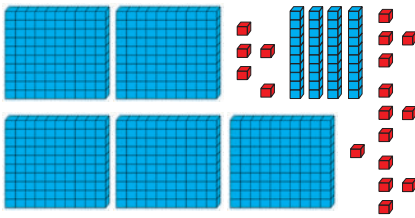
Ithemu 4



Bhala umusho-nombolo waloko naloko.



Chaza kutsi uwabale njani emabhuloki?



Chaza kutsi uwabale njani emabhuloki.



Sebentisa sibonelo kukucondzisa.

50	50	imphindza-mbili ya 50 ngu 100	300	300	
200	200		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?



Sisekhaya



Lilanga lekubhaka.

Ncane Phindi ubhaka likhekhe ku-avini yakhe.

Khombisa sikhatsi kulamawashi.

Ufaka likhekhe ngakota phasi 4.

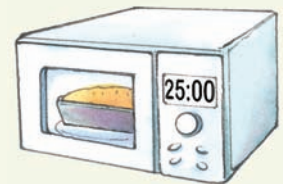
Ukhipha sinkhwa ngemizuzu lesihlanu emva kwensimbi yesihlanu.



Litsetse sikhatsi lesinganani likhekhe kuvutfwa? _____

Make wa-Ana usebentisa imakhowevi avini. Iyasheshisa.

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



Litawuvutfwa nini lelikhekhe? _____

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



Imisebenti yekuseni.



NgeMgcibelo ekuseni Musa naPalesa basita unina ekhaya.

Utsatsa sikhatsi lesinganani umsebenti ngamunye?

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



Nisela ingadze.

Litfumbu lemanti lingasebentisa kufika ku 30 emalitha emanti nga 1 umzuzu!

Mangakhi emalitha emanti litfumbu lelingawasebentisa nga:

2 imizuzu _____ emalitha.

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

5 imizuzu _____ emalitha

10 imizuzu _____ emalitha.



Kupheka khali.

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

Ubhala phasi linani le-oyili lalisebentisa lilanga ngalinye.

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

- Usebentisa mangakhi emamilitha (ml) a-oyili kusakela ngeMsombuluko kuze kube nguMgcibelo? _____ ml
- Usebentisa mangakhi emamilitha (ml) a-oyili ngeliSontfo? _____ ml
- Libhodlela la-oyili linye lelingemamilitha langu 750 (ml) libita R18, 50.

Abita malini emabhodlela lama 4? _____.

Hlolisa!
Catsanisa! Lungisa!



Teacher: _____
Sign: _____
Date: _____

Kusebenta ngemali



Bala buhhehlu nemaphepha.

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



Luhambo lwesitimela.

Kgethi nebantfwana bakhe laba-3 bagibela sitimela.

Labadzala nebantfwana babhadala ngekufana.

Kgethi ubhadala ngemaphepha.



Utfola R30 intjintji.

Yini intsengo yaku-I lefakwe luphawu (✓)? Faka luphawu 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.

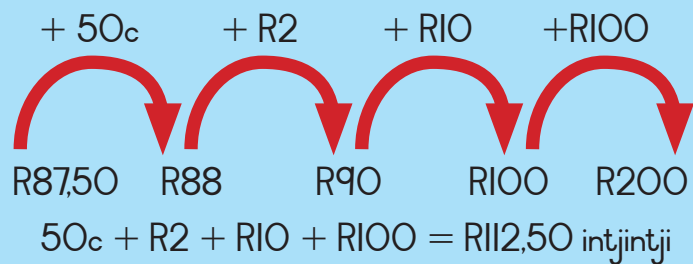
Kutfola intjintji yakho ungahlanganisa uchubeke kusuka kulentsengo yetintfo kuye emalini yemaphepha loyikhiphako.

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



Ase sisombulule lesibalo-nkinga.

Gugu ucokelele 234 wetinyatsiselo.

Mandla umnike 501 wetinyatsiselo ngetulu.

Tingakhi tinanyatsiselo lase anato-ke nyalo?

Utsini umbuto?

Tingakhi tinanyatsiselo lase anato-ke nyalo?

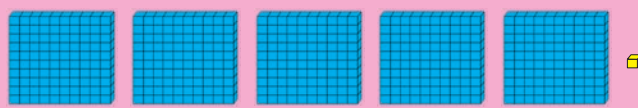
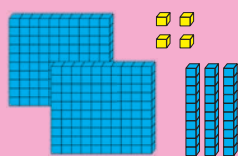
Litsini ligama-nsika? ngetulu

Ngutiphi letinombolo? 234 na 501

Ase sikhombise loku ngemabhuloki etfu esisekelo-shumi.



Naku Lisa lakwentile
kusombulula inkinga yaGugu.



Naku lokwentiwe ngu-Aakar.

Wente umdvwebo.



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

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

Indlela 1

Indlela 2



Imisebenti yekuseni.

Thembi ucokelela tintfo temklamo wesikolo wensebenta-kanyenti. Ucokelele 624 wemabhodlela epulasitiki na 268 wetikotela. Tingakhi tintfo lasе aticokelele? Utsini umbuto? _____

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

Sitolo besina 900 emapaka ashukela. Emva kwe kutsengisa lamanye emapaka, sitolo saba na 659 wemapaka ashukela lasеle. Mangakhi emapaka lesawatsengisa? Utsini umbuto? _____

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



Kuhlanganisa nekususa kufika ku 999 njalo

Bukisisa lemidvwebo uyichaze.



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 _____.

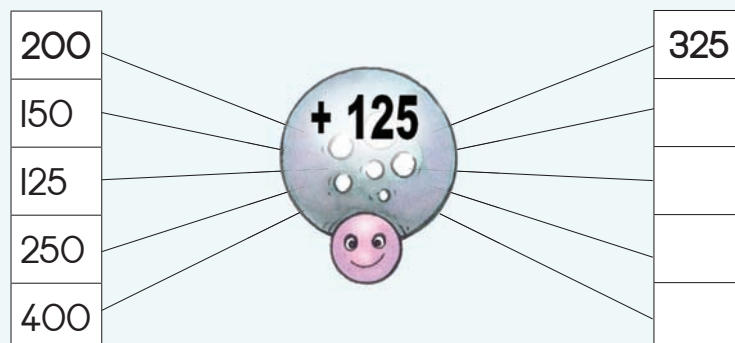
f. Ihhafu ya 300 ngu _____.

g. Mphindza-mbili wa 420 ngu _____.

h. Ihhafu ya 600 ngu _____.



Hlanganisa 125





Yini leyenta i-1 000?

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

Tfola imindeni-nombolo yabo + na –

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



$123 + 77 = \square$	$\square - 77 = 123$	$\square - 123 = 77$
$650 + \square = 800$	$800 - 650 = \square$	$\square + 650 = 800$
$1000 - 250 = \square$	$1000 - \square = 250$	$250 + \square = 1000$
$56 + \square = 300$	$300 - \square = 56$	$\square + 56 = \square$
$820 + \square = 1000$	$1000 - \square = 820$	$1000 - 820 = \square$

Hlolisisa!
Catsanisa!
Lungisa!

Hlanganisa ubuye ususe emashumi nemakhulu

a. Emashumi nemakhulu

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

b. Emashumi lagcwele (Timphindza ta 10)

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

Sombulula lokulandzelako:

$925 + 53 = \square$ $571 + 202 = \square$ $786 + 75 = \square$ $903 + 95 = \square$

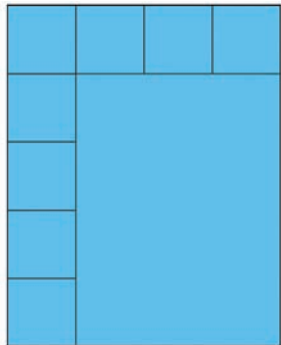
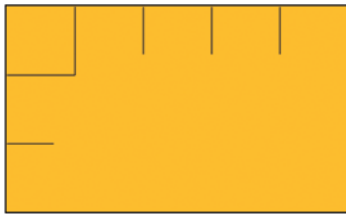
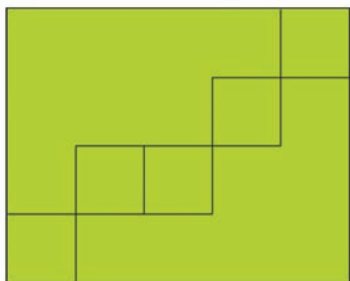
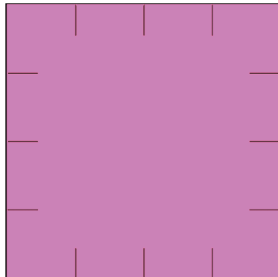


Timphica sikalo



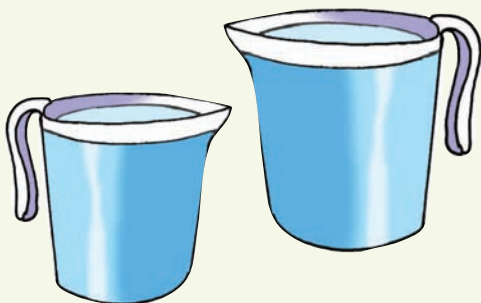
Tfola i-eriya

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

a.  _____	b.  _____
c.  _____	d.  _____



Sombulula lesiphicwano



Ufuna kukala kahle ngco 4 emalitha emanti.

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

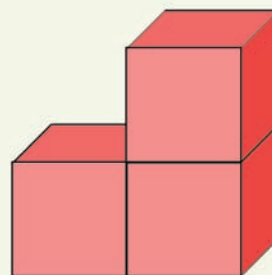
Licebo: kunatimbili tindlela cishe longatisebentisa.



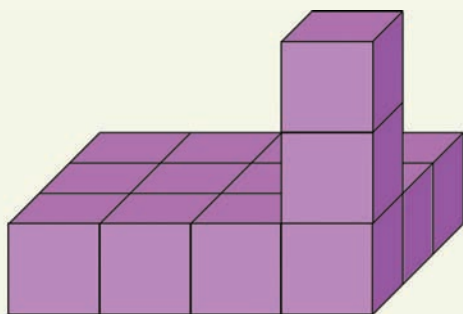
Ubonani?

Emabhuloki lamatsatfu ananyatseliswe ndzawonye njenga kulesitfombe.

Uma uphakamisa lamabhuloki lahlanganiswe ndzawonye tingakhi tikwele longatibala ngephandle? _____



Bala emakhyubhu



Mangakhi emakhyubhu lakakha lobunjwa? _____



Insayeya: siphicwano sesikhatsi.

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?

Hlolisa!
Catsanisa!
Lungisa!





Lusuku:

Emaphethini nombolo: emashumi kufika ku 900

Ase sibale ngemashumi kusuka ku 810 kuye ku 900.

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



Phethini yini lesikhonjiswa tinombolo letibiyelwe?

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



Khakhuletha.

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



Tingakhi tindvuku?

Kunelishumi letindvuku enyandzeni



wetindvuku



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

10		=	_____	wetindvuku
20		=	_____	wetindvuku
30		=	_____	wetindvuku
40		=	_____	wetindvuku
50		=	_____	wetindvuku
60		=	_____	wetindvuku
70		=	_____	wetindvuku
80		=	_____	wetindvuku
90		=	_____	wetindvuku
100		=	_____	wetindvuku



Emahle etindvuku.

Kunelishumi letinyandza tetindvuku eluheleni = 100 tindvuku



1 emahle a 10 tinyandza = 100 tindvuku

$$10 \times 10 = 100$$

2 emahle a 10 tinyandza = _____ tindvuku

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

4 emahle a 10 tinyandza = _____ tindvuku

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

10 emahle a 10 tinyandza = _____ tindvuku

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



700 wetindvuku wenta _____ tinyandza.

900 wetindvuku wenta _____ tinyandza

1 000 wetindvuku wenta _____ tinyandza.



Teacher: _____
Sign: _____
Date: _____

Kusonga usondzete eshumini

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.

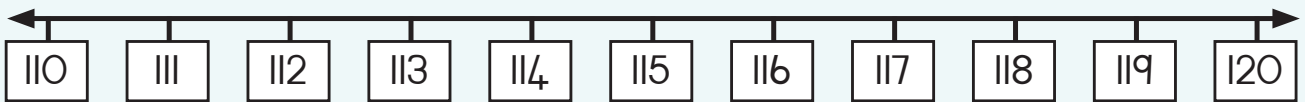


Songa usondzete ku 10 losedvute.



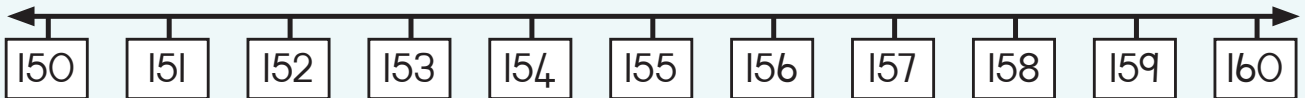
114 nakasongiwe ngu? ____

117 nakasongiwe ngu? ____



159 nakasongiwe ngu? ____

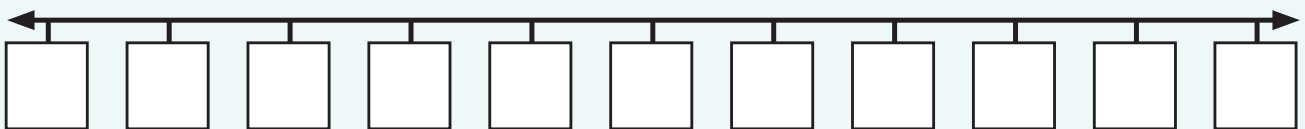
151 nakasongiwe ngu? ____



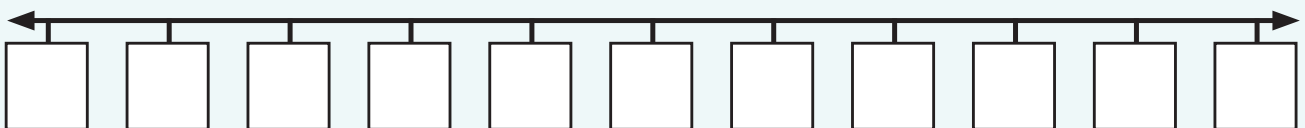
Songa kuye ku 10 losedvute.

Dvweba wakakho umugca-nombolo.

195



945





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.

a. 128 nakasongwa ayiswa eshumini lelisedvute ngu 130



b. 877



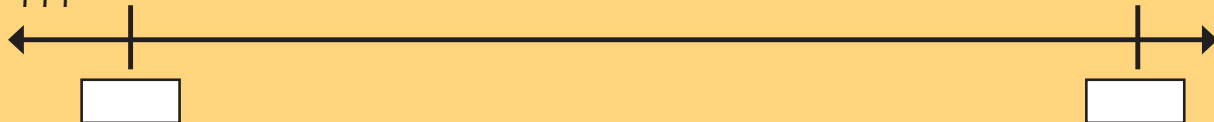
c. 901



d. 566



e. 999



Songa letinombolo letilandzelako tiye ku 10 losedvute.

- | | | | | | | | | | |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| a. 161 | <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?



Teacher: _____
Sign: _____
Date: _____

Kuphindzaphindza

nekwehlukana: tihlanu kufika ku 100



Cedzela lelithebula lelingantasi:

kungena



umtsetfo

kuphuma



kungena



umtsetfo

kuphuma



Cedzela lelithebula lelingantasi:

×	1	2	3	4	5	6	7	8	9	10
5										



Khakhuletha:

$$12 \times 5$$

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

$$= 50 + 10$$

$$= 60$$

$$11 \times 5$$

$$13 \times 5$$

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

$$= 50 + 15$$

$$= 50 + 10 + 5$$

$$= 65$$

$$13 \times 5$$



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

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

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

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

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

$$13 \div 5$$

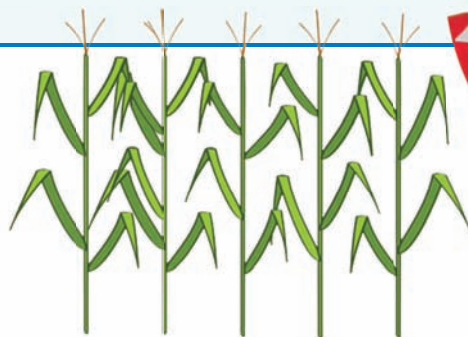


Sombulula tibalo-nkinga letilandzelako:

Ingadze yetibhidvo ina 14 wemahele etitjalo.

Luhele ngalunye lunelinani lelifanako letitjalo.

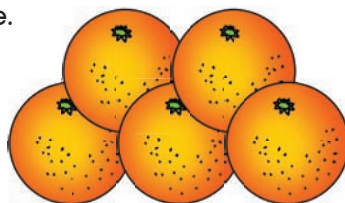
Uma kunesamba sa 70 wetitjalo, tingakhi titjalo letikhona luhele ngalunye?



David utsengisa emasaka lanesihlanu sema-orientji liliye.

Una 85 ema-orientji.

Mangakhi emasaka langawagwalisa?



Emaphethini nombolo: tihlanu kufika ku 1 000

Ase sibale ngetihlanu kusuka ku 805 kuye ku 900.

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



Phethini yini lesiyikhonjiswa tinombolo letibiyelwe?

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



Khakhuletha.

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



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	970
971		973	974	975	976		978	979	990
981		983	984	985	986		988	989	990
991		993	994	995	996		998	999	1 000



Gcwalisa tinombolo letishiyekile.

Yini umehluko emkhatsini waletinombolo letiluhlata naletisamsobo eluheleni lunye?



Cedzela emaphethini.

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



Teacher: _____
Sign: _____
Date: _____

Sichubeka ngemugca-sibuko



Tibuke tsekwane.

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

Umdlali ngamunye unahhafu wetincetu (7 wetincetu) tabobunjwa bemathayili-mpfica.

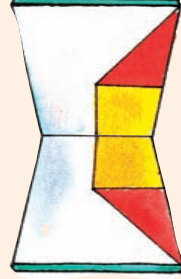
Kute nalunye lucetu lokufute lufane nalolunye.

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

Umdlali wekucala ubeka lunye lwetincetu takhe madvute nemugca.

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

Kufute lutsintse umugca noma munye wabobunjwa lase bavele babekiwe.



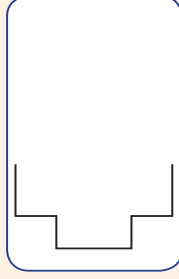
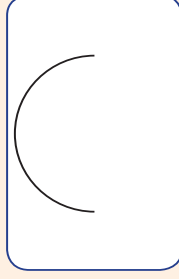
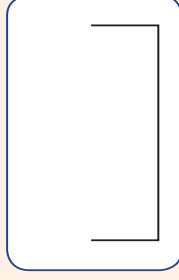
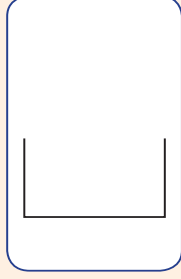
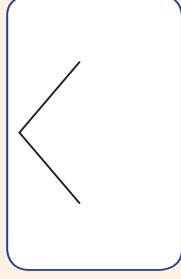
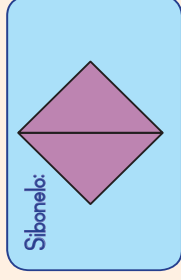
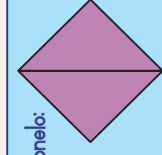
Lesuku:

Dweba lela lelinye licala labunjwa.

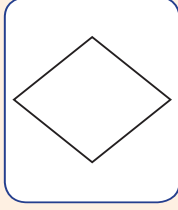
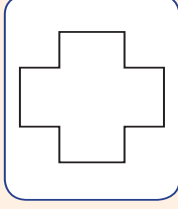
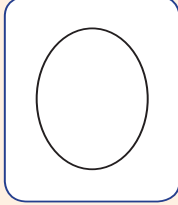
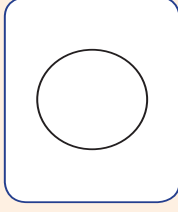
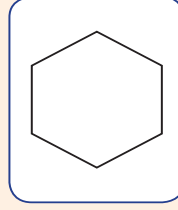
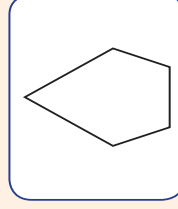
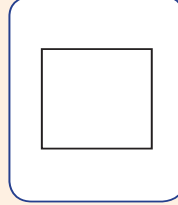
Chubeka ukhombise lomugca wemugca-sibuko.



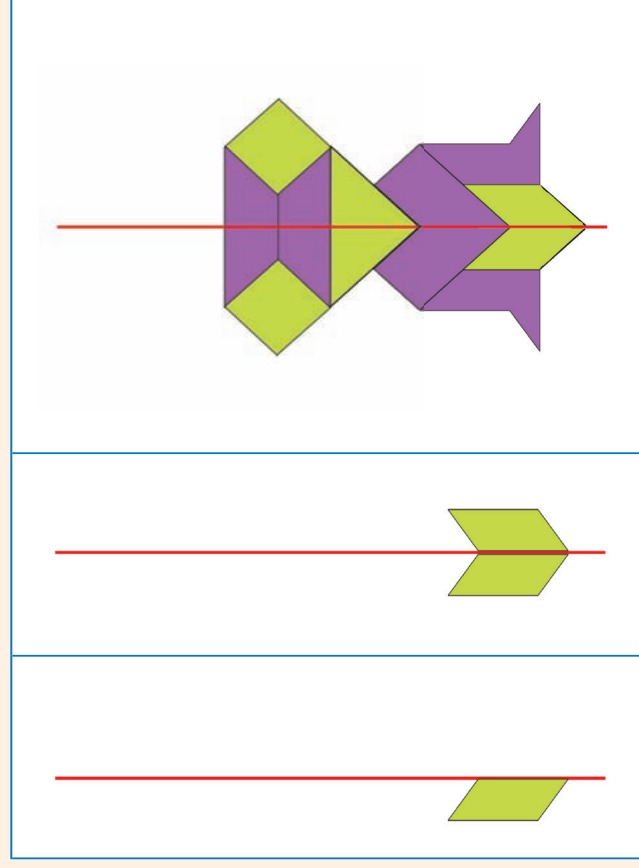
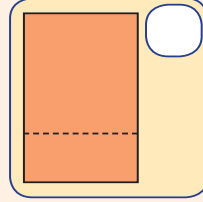
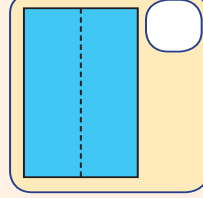
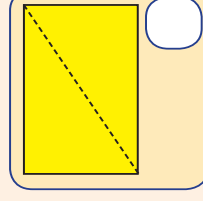
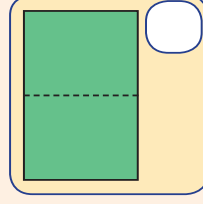
Sibonelo:



Dweba imigca yemugca-sibuko kuloku lokulandzelako:



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



Emaphethini nombolo:

ngakubili kufika ku 900

Ase sibale ngetihlanu kusuka ku 802 kuye ku 900.

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

Phethini yini lesiyikhonjiswa tinombolo letibiyelwe?

Letibiyelwe ngalokulingangane	Kubala _____
Bhala phasi lephethini	
Letinombala loluhlata	Kubala _____
Bhala phasi lephethini:	

Khakhuletha.

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

Lusaku: _____



Bomashiyana nabomalinganisa.

a. Dweba (X) eceleni kwetinombolo mashiya na (✓) eceleni kwetinombolo malinganisa.

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

b. Phendula nga malinganisa noma mashiya.

Hlanganisa timbili tinombolo mashiya. Utfole inombolo _____

Hlanganisa timbili tinombolo malinganisa. Utfole inombolo _____

Uhlanganisa tintsatfu tinombolo mashiya. Utfole inombolo _____



Kutjala tihlahla.

Lena ngulenze yetindlela tekutjala 48 wetihlahla ngemahela lalinganaka.



Singabhal: $2 \times 24 = 48$ (2 emahela a 24 wetihlahla = 48) noma $48 \div 2 = 24$

(48 wetihlahla tibekwe nga 2 emahela lalinganaka kuniketa 24 wetihlahla ngeluhle). Bala

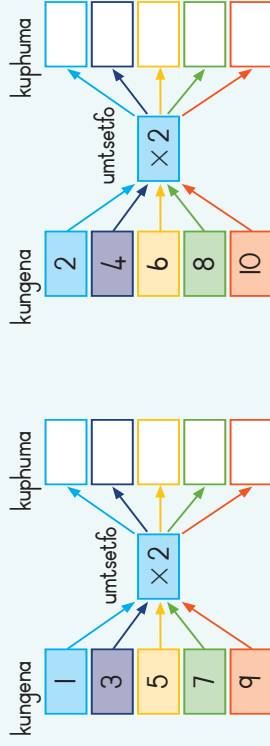
emahela wetihlahla esitfombeni ngasinye ngentasi. Bhala x na $\div$ ngemusho-nombolo kuondzanisa.

a. $\times$ _____ = _____ $\div$ _____ = _____	
b. $\times$ _____ = _____ $\div$ _____ = _____	
c. $\times$ _____ = _____ $\div$ _____ = _____	
d. Tfola lenye indlela yekutjala 48 wetihlahla ngemahela. $\times$ _____ = _____ $\div$ _____ = _____	e. Tfola lenye indlela yekutjala 48 wetihlahla ngemahela. $\times$ _____ = _____ $\div$ _____ = _____

nekwehlukanisa: ngakubili kufika ku 100

Kuphindzaphindeza

Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:

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

Khakhuletha:

12 x 2	11 x 2
$= (10 + 2) \times 2$ $= 20 + 4$ $= 24$	
18 x 2	22 x 2
$= (10 + 8) \times 2$ $= 20 + 16$ $= 20 + 10 + 6$ $= 36$	

$$46 \div 2$$

$$= (40 + 6) \div 2$$

$$= (40 \div 2) + (6 \div 2)$$

$$= 20 + 3$$

$$= 23$$

$$47 \div 2$$

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

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

$$= 20 + 3 \text{ umsalela l}$$

$$= 23 \text{ umsalela l}$$

$$74 \div 2$$

$$75 \div 2$$



Sombulula tibalo-nkinga letilandzelako:

Ingadze yetibhidvo ine-32 emahela etitjalo.

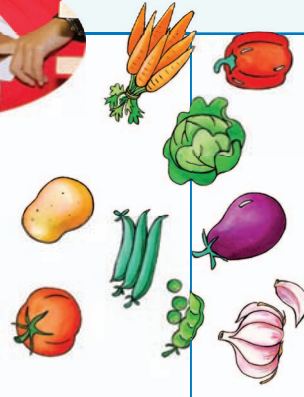
Luhle ngalunye luna 2 titjalo.

Tingakhi titjalo kulengadze?

Ingadze yetibhidvo ine-40 emahela etitjalo.

Onkhe emahela anenombolo lelinganako yetitjalo.

Uma titjalo setitkonkhe tingema-80, tingakhi eluheleni ngalunye?

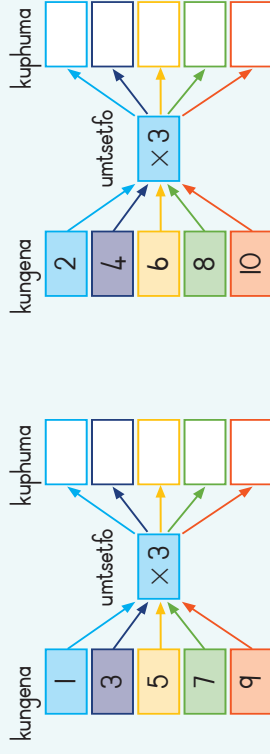


Lusaku:

Kuphindzaphindza

nekwehlukana: ngakubili kufika ku 100

Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:

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

Khakhuletha:

12 x 3	11 x 3
$= (10 + 2) \times 3$ $= 30 + 6$ $= 36$	
17 x 3	19 x 3
$= (10 + 7) \times 3$ $= 30 + 21$ $= 30 + 20 + 1$ $= 51$	

$63 \div 3$ $= (60 + 3) \div 3$ $= (60 \div 3) + (3 \div 3)$ $= 20 + 1$ $= 21$	96 ÷ 3
$65 \div 3$ $= (60 + 5) \div 3$ $= (60 \div 3) + (5 \div 3)$ $= 20 + 1 \text{ umsalela } 2$ $= 21 \text{ umsalela } 2$	98 ÷ 3



Sombulula tibalo-nkinga letilandzelako:

Marlene una 30 wemaswidi.

Loku kuphindzeke kalishumi kwengca loko lanako Jakobhe.

Mangakhi emaswidi lanawo Jakobhe?

Ingadze yetibhidvo ina 29 emahela etitjalo.

Luhele ngalunye luna 3 wetitjalo.

Tingakhi titjalo letikhona engadzeni?



Teacher: _____
Sign: _____
Date: _____

Emaphethini nombolo:

kutsatfu kufika ku 1 000

Ase sibale ngakutsatfu kusuka ku 803 kuye ku 899.

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

Phethini yini lesiyikhonjiswa tinombolo letibiyelwe?

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



Khakhuletha.

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

Libhodi letinombolo 901 kuye ku 1 000.

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



Gcwalisa tinombolo letishiyiwe.

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

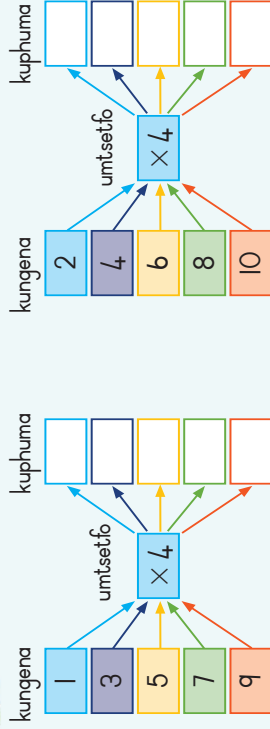


Cedzela emaphethini.

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

nekwehlukanisa: ngakune kufika ku 100

Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:

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

Khakhuletha:

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

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

$$11 \times 4$$

$$15 \times 4$$

$$48 \div 6$$

$$\begin{aligned}
 &= (40 + 8) \div 4 \\
 &= (40 \div 4) + (8 \div 4) \\
 &= 10 + 2 \\
 &= 12
 \end{aligned}$$

$$45 \div 4$$

$$\begin{aligned}
 &= (40 + 5) \div 4 \\
 &= (40 \div 4) + (5 \div 4) \\
 &= 10 + 1 \text{ umsalela } 1 \\
 &= 11 \text{ umsalela } 1
 \end{aligned}$$



Sombulula tibalo-nkinga letilandzelako:

Tony una 36 wemaswidi.

Udla 4 wemaswidi onkhe malanga.

Mangakhi emalanga langadla ngawo lamaswidi?



David utsengisa emaphakethe lanema-orintji lamane liphakethe ngalinge.

Una 88 ema-orintji.

Mangakhi emaphakethe langawagwalisa?



Emaphethini nombolo: ngakune kufika ku 1 000

Ase sibale ngakune kusuka ku 804 kuye ku 900.

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

Phethini yini lesiyikhonjiswa tinombolo letibiyelwe ?

Letibiyelwe ngalokulhlata:	Kubala ngabo _____.
Bhala phasi lephethini:	
Letibiyelwe ngalokusamsobo:	Kubala ngabo _____.
Bhala 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. $847 - 3 - 3 - 3 =$

Libhodi letinombolo 901 kuye ku 1 000.

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



Gcwalisa tinombolo letishiyiwe.

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



Cedzela emaphethini.

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

Tincenye letilinganako talokugwele



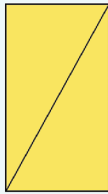
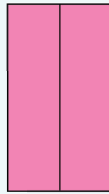
Hhafu munye, noma nguypipi indlela.

Sika bocalandze
ephepheni lelímébala
(kuKwekusikwa II).



Tama kutfola tindlela letehlukene kwenta hhafu munye.

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



Asichubeke ngetincenye letilinganako talokugwele.



Uma sehlukana lutfo luba ti-2 tincenye letilinganako letincenye sitisi boh hafu.

Uma sehlukana lutfo luba ti-3 tincenye letilinganako letincenye sitisi boncenye-ntsafu.

Uma sehlukana lutfo luba ti-4 tincenye letilinganako letincenye sitisi boncenye-ne.

Uma sehlukana lutfo luba ti-5 tincenye letilinganako letincenye sitisi boncenye-hlanu.

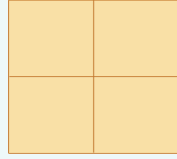
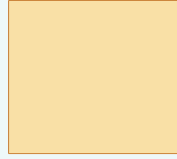
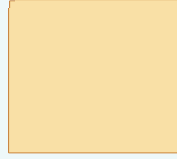
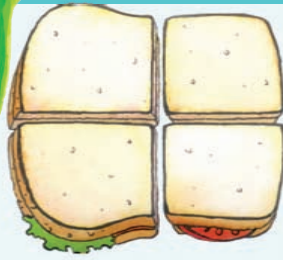
Emasangweji elantji.

Thabo nebangani bakhe laba-3 benta indat'hane yemasangweji elantji.

Bawasike kahle aba boncenye-ne noma emakota.

Loku kusho kutsi bawasike aba ngu 4 wetincetu letilinganako.

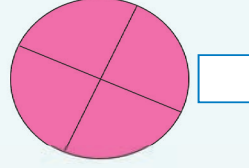
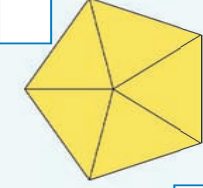
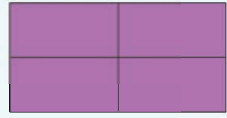
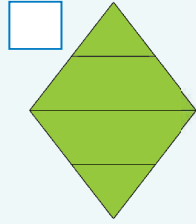
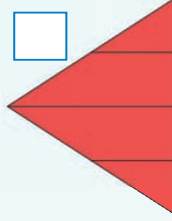
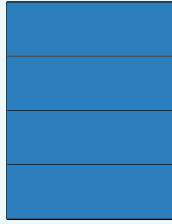
Nansi njinye indlela. Khombisa 3 waletinye tindlela tekwenta loku.



Kwehlukana ngaboncenye-ne.

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

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



Tibalo-nkinga temafrakishini

Coca ngemafrakishini nebangani bakho.



Sombulula tibalo-nkinga letilandzelako ngekuhendvulo imibuto bese wenta imidvwebo.

a. Umceeshi wenethibholi uniketa umdlali ngamunye ihhafu yeli-oringi. Kuna 14 webadlali.

Mangakhi ema-oringi lawadzingako? _____

Utsini umbuto? _____

Titsini tinombolo noma emaf-rakishini kulesibalo-nkinga? _____

Yini ligama-nsika? _____

Dvweba sitfombe. _____



Ligama-nsika ligama leltangisa kukhetisa indlela lengayo yekubala.

Itsini imphendvulo? _____

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

Mangakhi emahhabhula lawasebentisile? _____

Titsini tinombolo noma emaf-rakishini kulesibalo-nkinga? _____

Yini ligama-nsika? _____

Dvweba sitfombe. _____



Itsini imphendvulo? _____

b. Emcimbini wekutijabulisa esikolwemi bat-sengisa emakhekhe kepha tincetu letinsatfu liliye.

Batsengise tigadla temakhekhe kubantfu labangema-24.

Mangakhi emakhekhe labawatsengisile? _____

Titsini tinombolo noma emaf-rakishini kulesibalo-nkinga? _____

Yini ligama-nsika? _____

Dvweba sitfombe _____



Itsini imphendvulo? _____



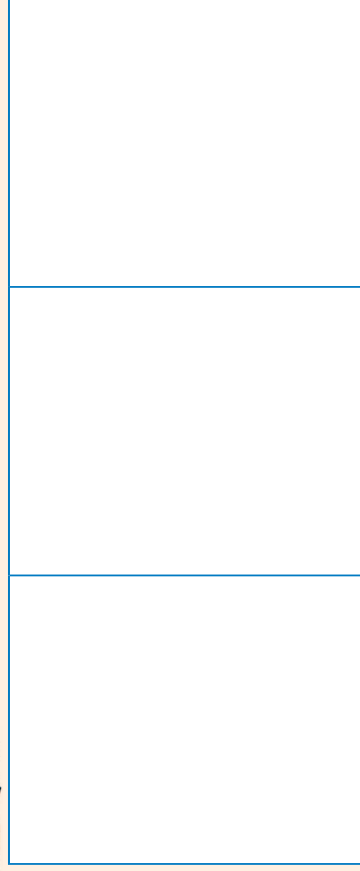
umbhoshongo, noma indilinga lengagcika

Buka letitfombe.

Ngusiphi sicumbi lesikhombisa enamhala, imibhoshongo nemabhokisi?



Tfola titfombe timbili tangakunye utinameke ngentasi.



Dvwebela imphendvulo lengiyo.

- Litamatisi ibumbeke njengebhola/libhokisi/umbhoshongo (isilinda).
- Ingilazi yekunatsa ibumbeke njengebhola/libhokisi/umbhoshongo (isilinda).
- Incwazi ibumbeke njengebhola/libhokisi/umbhoshongo (isilinda).



"Condzile" na "gwenjile."

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

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



Kugcika

Ase ucabange kutsi kodwa umbhoshongo, ikhoni noma imbulunga (sifiye)
kungagcika njani.

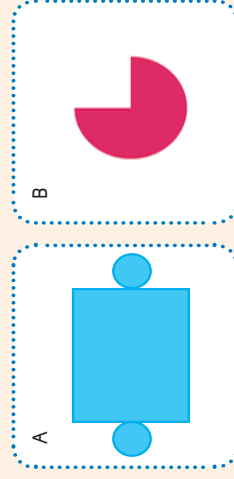
Kuletintfo leti-3, ngukuphi:

a. Lokungeke kugcike sigamu lesidze.	
b. Lokungagcika kuphela ngemugca locondzile?	
c. Lokungagcika kubheke nomaphi?	



Yini inethi?

Bunjiwa losicabati longagocwa kwenta
sakhimo lesiphatsekako ubitwa ngekutsi
yiniethi.



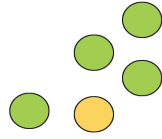
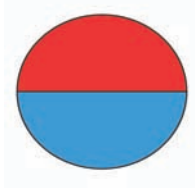
Bhala luhlavu lwenethi lengagocwa yakhe ikhoni.

Bhala luhlavu lwenethi lengagocwa yakhe umbhoshongo (isilinda).

Kabanti ngemafrakishini

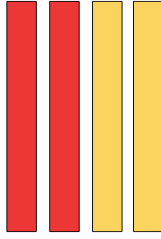
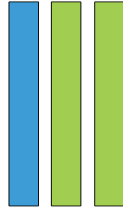
Shano emafrakishini.

Bhala ifrakishini yaletitfombe ngentasi.



a. Yifrakishini lenganani lokulingangane? _____

b. Yifrakishini lenganani lokuluhlata? _____



c. Yifrakishini lenganani lokulingangane? _____

d. Yifrakishini lenganani lokumtfubi? _____



Phendvula imibuto.

a. Sizwe unetincetu letine teshokholethi. Uniketa umngani wakhe lucetu lunye.

Yifrakishini lenganani yemashokholethi lesele kuye? _____

b. Yasmin unema-orinjij lamabili. Ugiyela Ana lunye.

Yifrakishini lenganani lesele kuye? _____

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

Ludvonga lwemafrakishini.



Luhele ngalunye lwehlukaniswe lwaba tincenye letilingandko. Luhele loluphansi ekugcineni lwehlukaniswe lwaba boncenyeng-shuminambili ($\frac{1}{12}$).

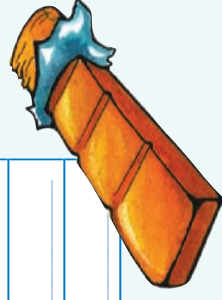
Bhala ifrakishini lengiyo kulawa lamanye emahle.

Sebentisa irula yakho noma umphef'fo locondzile weliphepha kut'folo kut'si ngumaphi emafrakishini lalingandko, nekukusita uphendvule lemibuto.

Eludvongeni lwemafrakishini, t'folo tonkhe tindlela letehlukene tekwen'la loku:

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

Hlotisa!
Catsanisa!
Lungisa!



Asichubeke ngekubutsisa nekwaba



Kubala ngesivinini.

Funa tichumaniso.

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



Yaba kahle lokusele.

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



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

a. Ephathini 25 wemicu yemaswidi-shukela yabiwa emkhatsini wa 10 webantfwana.

Yaba kahle ngco! Dvweba titfombe kukusita.



Amunye utfola _____ imicu

b. Yaba 37 imicu emkhatsini wa 4 webantfwana.

Amunye utfola _____ imicu

c. Yaba 48 imicu emkhatsini wa 5 webantfwana.

Amunye utfola _____ imicu

d. Yaba 73 imicu emkhatsini wa 10 webantfwana.

Amunye utfola _____ imicu



Emafrakishini ethenigremu

IThenigremu ngumdlalo mpheko wasendulo wesiShayina wakhiwe ngesi-7 sabonunjiwa labasicabati, babitwa ngokutsi ngematheni, onkhe abekwa nazawonye kwakha tindhlobo-nhlobo tabobunjiwa.

Emafrakishini ngeIthenigremu.



	Bukisisa impheca yeIthenigremu. Yifrakishini lenganani yesikwele lesigcwele munye ngamunye walabocalantsatfu labakhulu lababli? (Bovu kulesitombe.)	—
	Uma ugoba munye wabocalantsatfu labakhulu babe tincetu letimbili letilinganako, lucetu ngalunye luyalingana ngebukhulu nabalantsatfu lomkhudlwana nje (Mtfubi esitombeni). Yifrakishini lenganani yesikwele lesigcwele localantsatfu lomkhudlwana nje?	—
	Uma ugoba localantsatfu lomkhudlwana nje abe tincetu letimbili letilinganako, lucetu ngalunye luyalingana ngebukhulu nalabocalantsatfu lababli labancane. (Luhlata esitombeni.) Yifrakishini lenganani yesikwele lesigcwele bocalantsatfu labancane ngamunye?	—
	Ungabeka babili bocalantsatfu labancane kanjanyane kwenta lesikwele lesincane. Yifrakishini lenganani yesikwele lesigcwele lesikwele lesincane (Lingangane esitombeni)?	—
	Ungabeka babili bocalantsatfu labancane kanjanyane kwenta ipharalelogremu. Yifrakishini lenganani yesikwele lesigcwele lepharalelogremu?	—



Usebentisa iThenigremu.

Sika kahle emathenigremu lamabli eKhasini leKusikwa I2 ubhale esiceshini ngasinye lesinefrakishini yesikwele lesigcwele. (Laba bobunjiwa bemaIthenigremu bakucala.) Bhala ligama lakho ngemuva kwelucetu ngalunye, khona utokwati kutfole tincetu takakho futsi emva kwemdlalo.

Umdlalo wekwaba kahle emafrakishini.

Dlala na 4-8 webadlali usebentisa takakho tincetu tethenigremu

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

Wonkhe wonkhe kufute afake ikatayinye yesethi yeIthenigremu kukhithi.

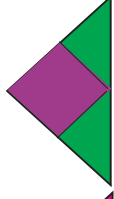


4

Ngitawufaka munye calantsatfu lomkhulu.



Boncenye-siphahlongo lababli balingana nancinye-nye munye. Ngingafaka lesikwele nalepharalelogremu.

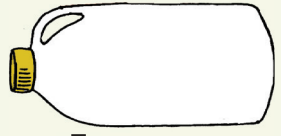




Kumeda umtsamo



Sebentisa kwekuphatsa lokulibhodlela lepulastiki nenkomishi.



inkomishi (250 ml)



kwekuphatsa kwelitha yj-l

Tingakhi tinkomishi locabanga kuti tingagawalisela loku kwekuphatsa?

Akuzingeki kutusi ugagule ngemalitha nama enamililitsha. Kuphela sebentisa emagama latsi 'inkomishi' na 'libhodlela'.

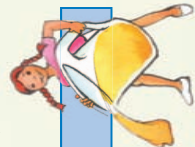


Yenta ilitha.

Tfola indlela yekwenta ilitha usebentisa emanani lehlukene abokusamanti.

Bhala umusho-nombolo ngaleyo naleyo ndlela.

Ngemusho-nombolo: $500 \text{ ml} + 500 \text{ ml} = 1000 \text{ ml (l l)}$



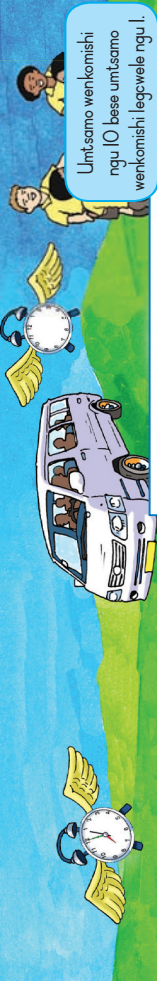
Ngemusho-nombolo _____ = 1000 ml (l l)

Ngemusho-nombolo _____ = 1000 ml (l l)

Ngemusho-nombolo _____ = 1000 ml (l l)

Ngemusho-nombolo _____ = 1000 ml (l l)

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



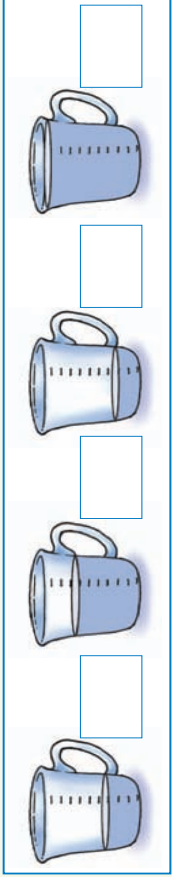
Umtsamo wenkomishi ngu lO bese umtsamo wenkomishi legcwele ngu l.



Yini litsamo lenkomishi yinye legcwele?



Lesipunu sigcwele kufika kumvinco wekucala.



Sikhala embanta lamancane nalokusamanti **remamilitsha (ml)**.

Lenkomishi yekumeda yemutisi icuketse lO ml, lokungemathispunu lamabili.

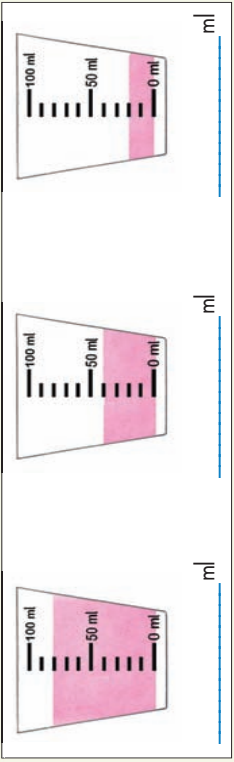
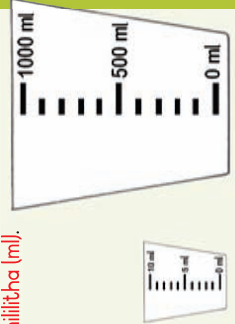
Sikhala embanta lamakhudlwana ngemalitha (l).

Ayinkhulungwane enamililitsha elitheni.



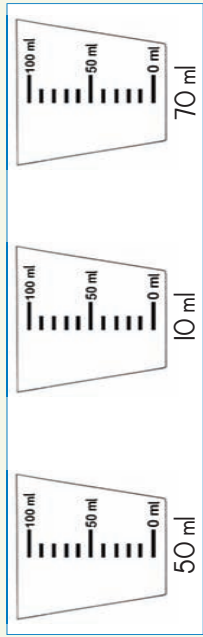
Kunganani lokusamanti?

Mangakhi ema ml abokusamanti ejekeni ngalinye?



Kunganani lokusamanti?

Hlikhla lomutisi etinkomishini kukhombisa linani kujinye ngalinye.





Emdlalweni

Ngesikhatsi sehlahfu thajimi umdlali ngamunye unatsa $\frac{1}{4}$ welitha yejusi.

a. Bangakhi badlali labangabelana nga?

I litha 4 wemalitha $2\frac{1}{2}$ wemalitha

b. Kudzingeka ijusi langanani kwenetisa?

8 webadlali 9 webadlali 12 webadlali

Kala utsele



Emalitha nemamilitha (ml).



I litha = 1 000 ml $\frac{1}{2}$ welitha = ml $\frac{1}{4}$ welitha = ml

125 ml = welitha 50 ml = we litha

Yenta ihlahfu yelilitha.



Klwbhita (✓) lamanani lama 3 lakatsi nakatihlanganisiwe afike kuhlahfu yelilitha.

120 ml	140 ml	160 ml	28 ml	240 ml

Lubisi lukulungene!



Yaba 4 wemalitha elubisi emkhatsini wa:

a. 8 webantfwana Umntfwana ngamunye utfola wemalitha

b. 16 webantfwana Umntfwana ngamunye utfola wemalitha

c. 12 webantfwana Umntfwana ngamunye utfola wemalitha



Libhara leJusi laBongi.

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

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

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

Yenta ilitha.



50 ml	100 ml	200 ml	250 ml	500 ml

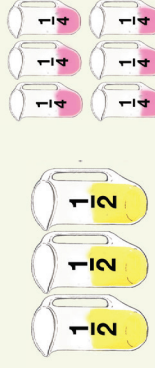
Udzinga tingakhi tintfo tekuphatsa ngayinye kwenta ilitha?

a. $\times$ 100 ml b. $\times$ 200 ml c. $\times$ 250 ml

e. $\times$ 500 ml f. $\times$ 50 ml



Ngemuva kwephathi.



Iphathi yaThandi sejengcile. Kunekwekunatsa lokusele.

Inganani ijusi lemtfubi lesele?

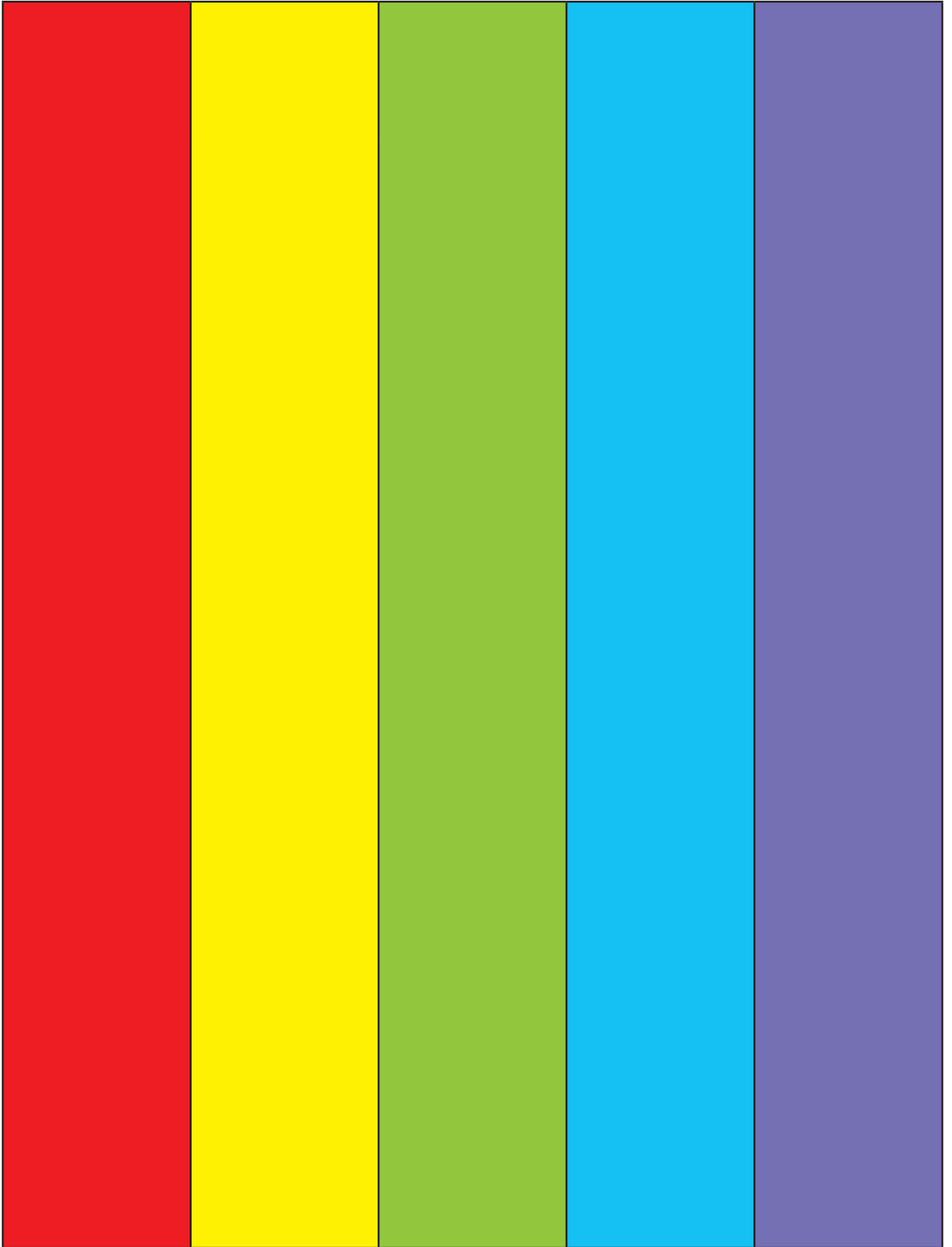
Inganani ijusi lesamsobo lesele?

Thandi udidiyela tinhlabo totimbili tejusi ndzawonye.

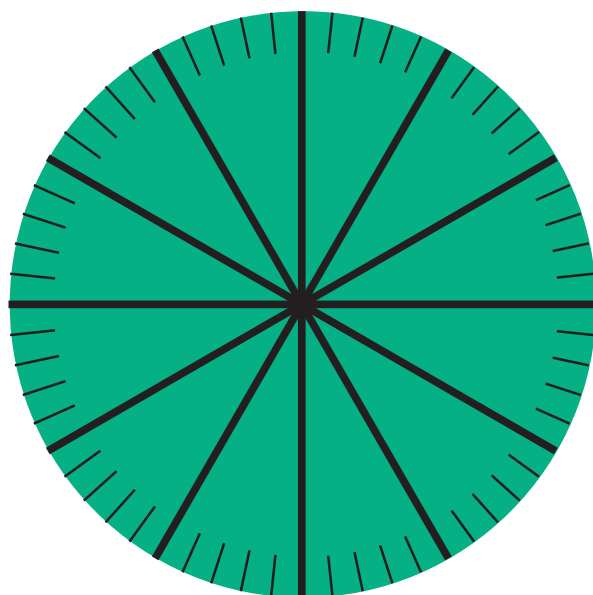
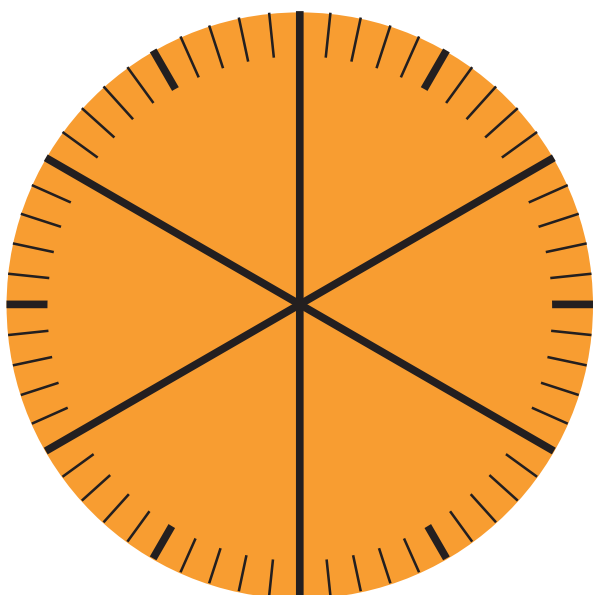
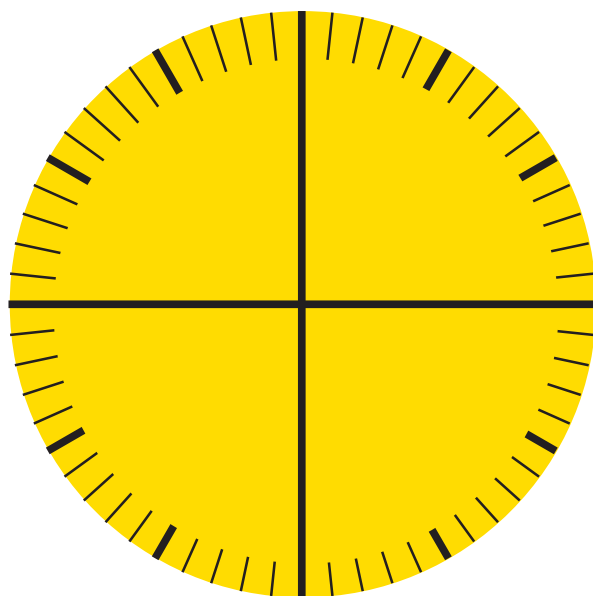
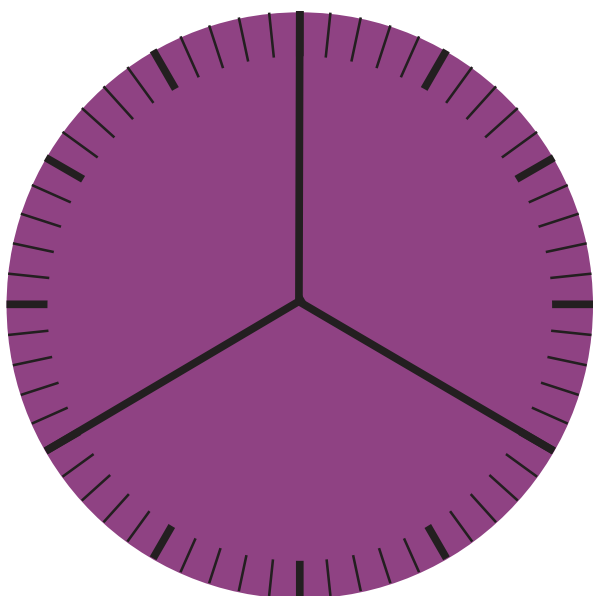
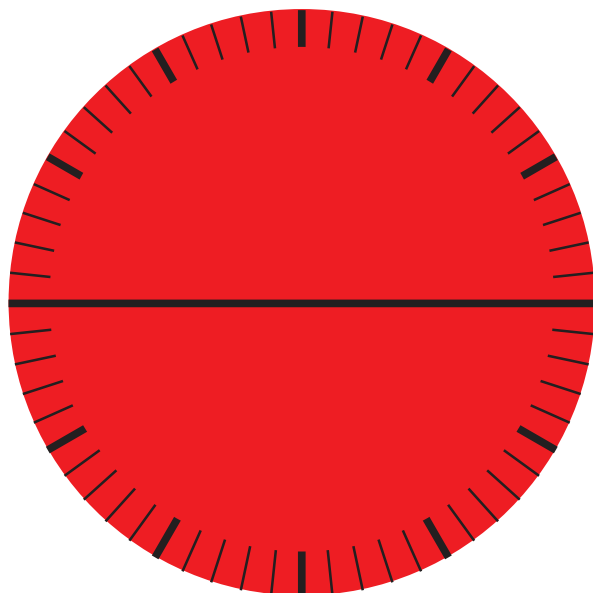
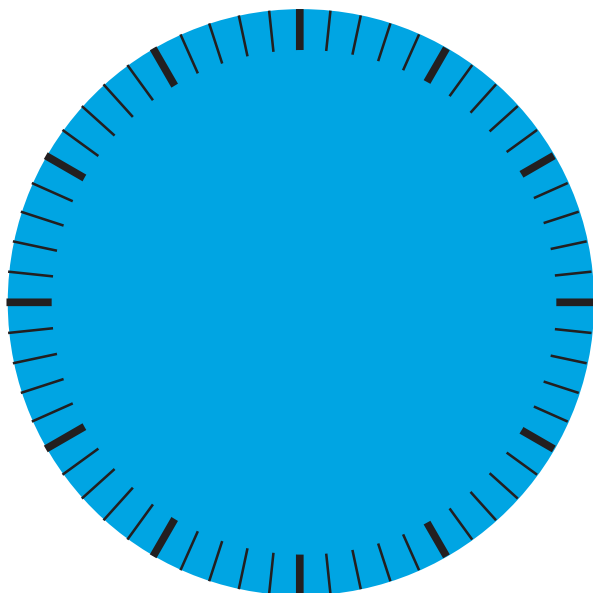
Mangakhi emajeke langawagwalisa?

Hlola!
Catsanisa!
Lungisa!

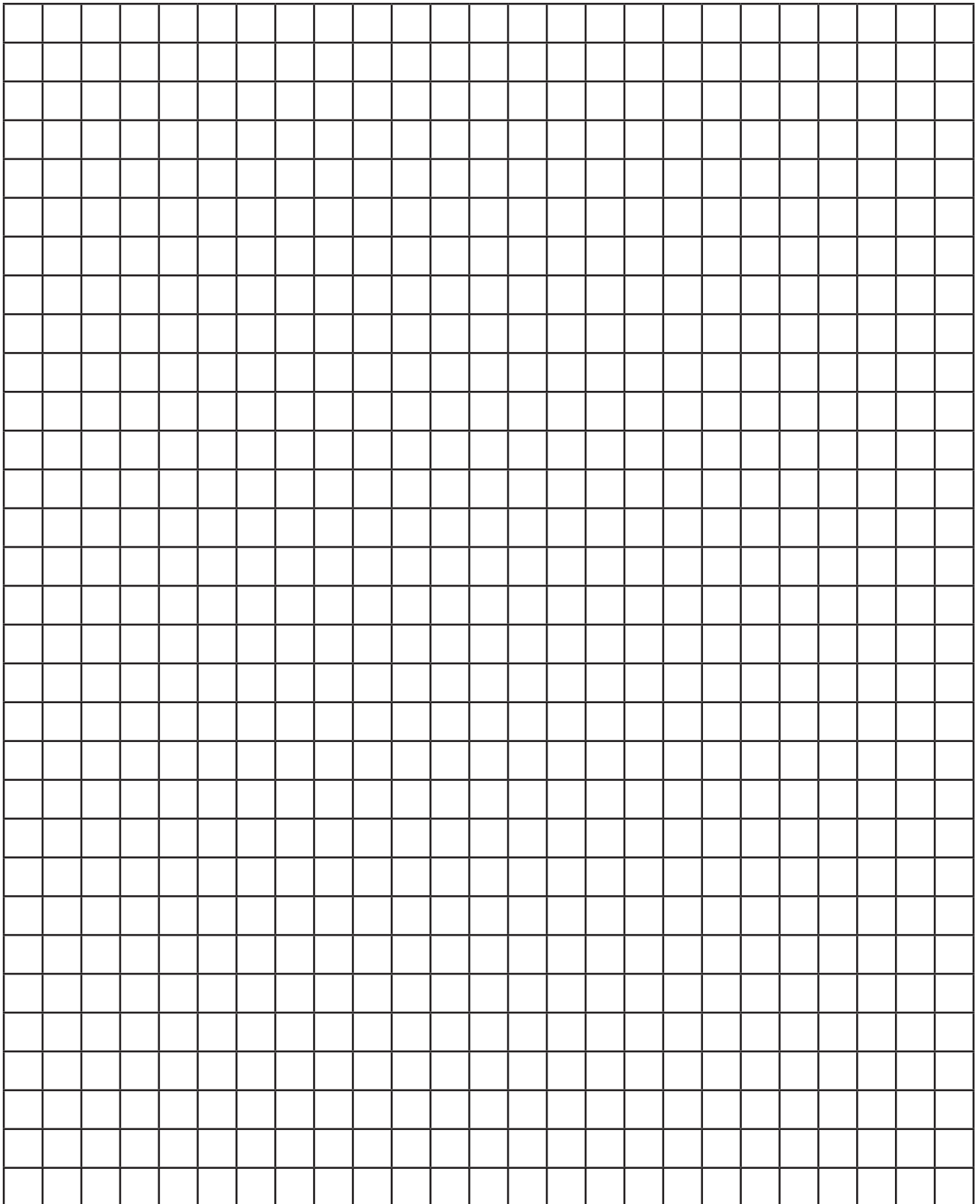
Kwekusikwa 5



Kwekusikwa 6



Kwekusikwa 7



Kwekusikwa 8

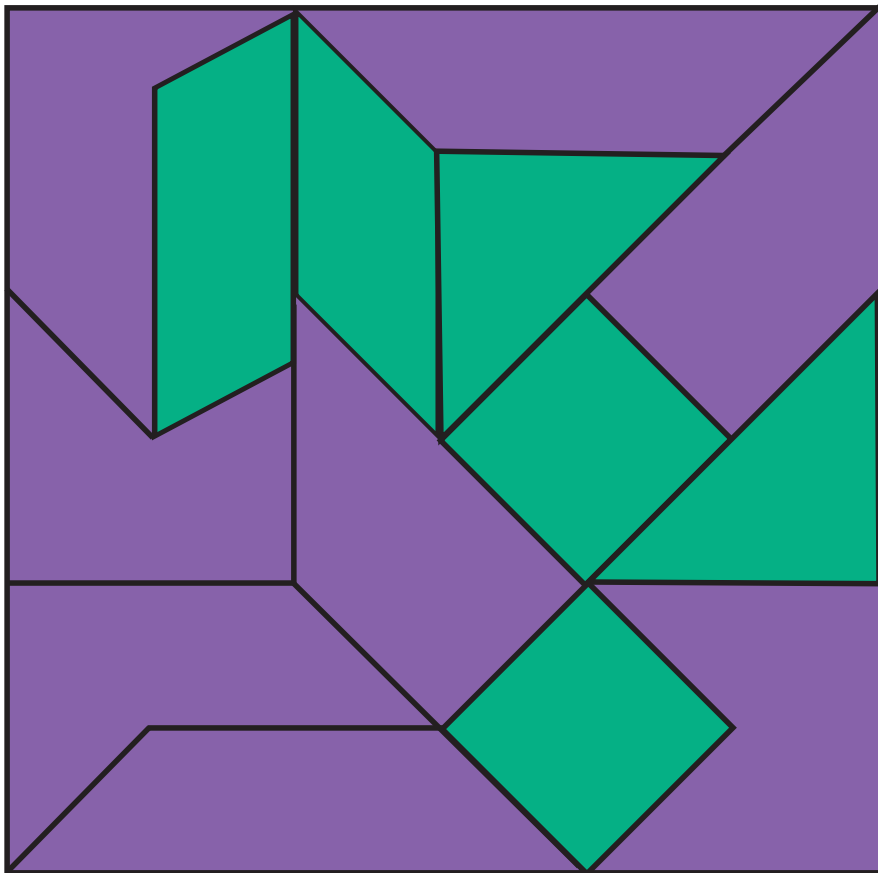
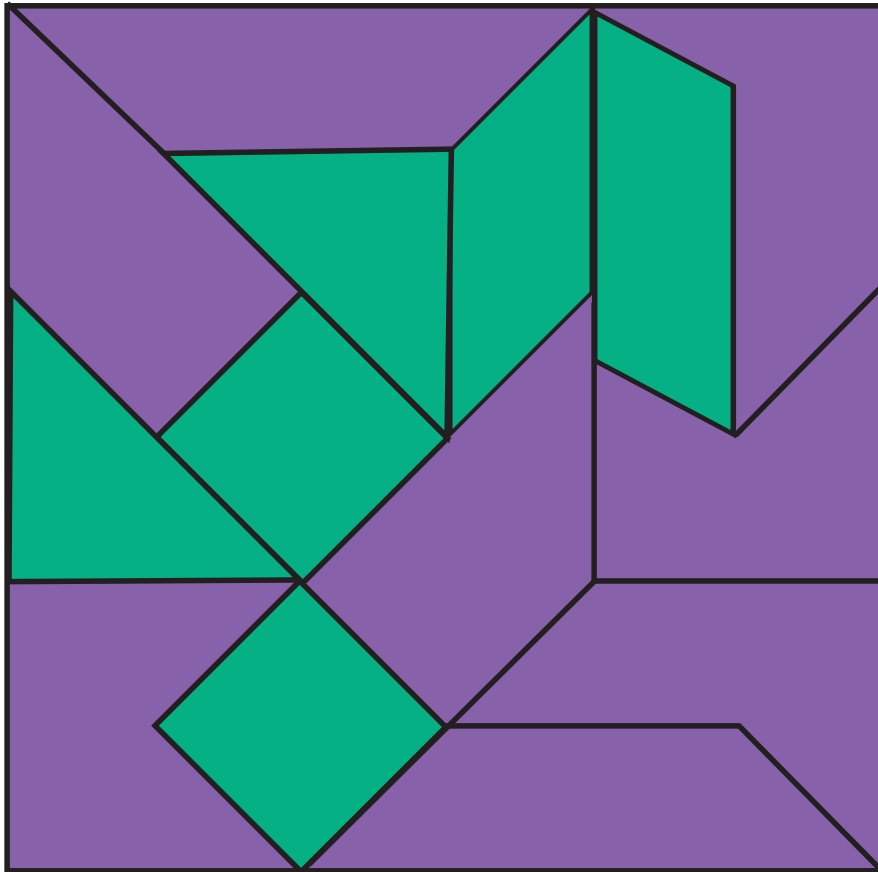
lc	
IOc	
RI _s	
RIO _s	
RIOO _s	

Kwekusikwa 9

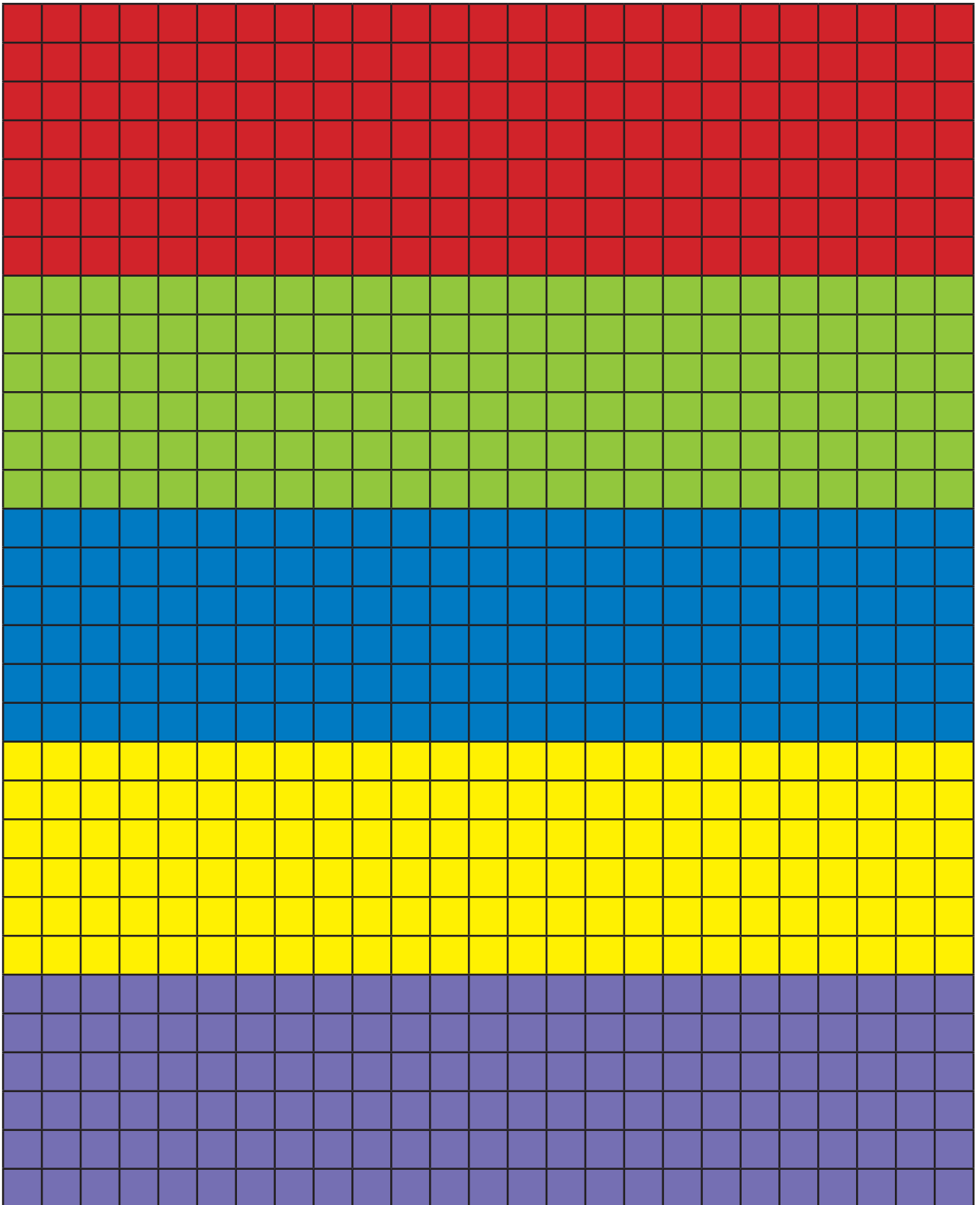
RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO

RI	RI	RI	RI	RI	RI	RI	RI
RI	RI	RI	RI	RI	RI	RI	RI
IO _c	IO _c	IO _c	IO _c	IO _c	IO _c	IO _c	IO _c
IO _c	IO _c	IO _c	IO _c	IO _c	IO _c	IO _c	IO _c
lc	lc	lc	lc	lc	lc	lc	lc
lc	lc	lc	lc	lc	lc	lc	lc

Kwekusikwa IO



Cut-out II



Cut-out 12

