



Nkhskt. Angie Motshekga,
iNdvuna yeMfundvo yeSisekelo



UMnu Enver Surty, Liphini
iNdvuna yeMfundvo
yeSisekelo

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

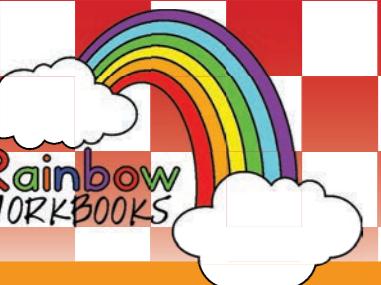
LeTincwadzi Tekusebentela takaRainbow tiyincenye yemitamo yaleLitiko leTemfundvo yeSisekelo yekutfutfukisa bafundzi baseNingizimu Afrika emabangeni ekucala lasitfupha ekufundza. Njengalomunye wemigomo lehamba embili eLuhlelweni IweKusebenta lwaHulumende, lomsebenti ukhokhelwe ngesihle Silulu seTimali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

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

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

Sifisela bothishela nebfundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.

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GRADE 3 – BOOK 2
TERMS 3 & 4

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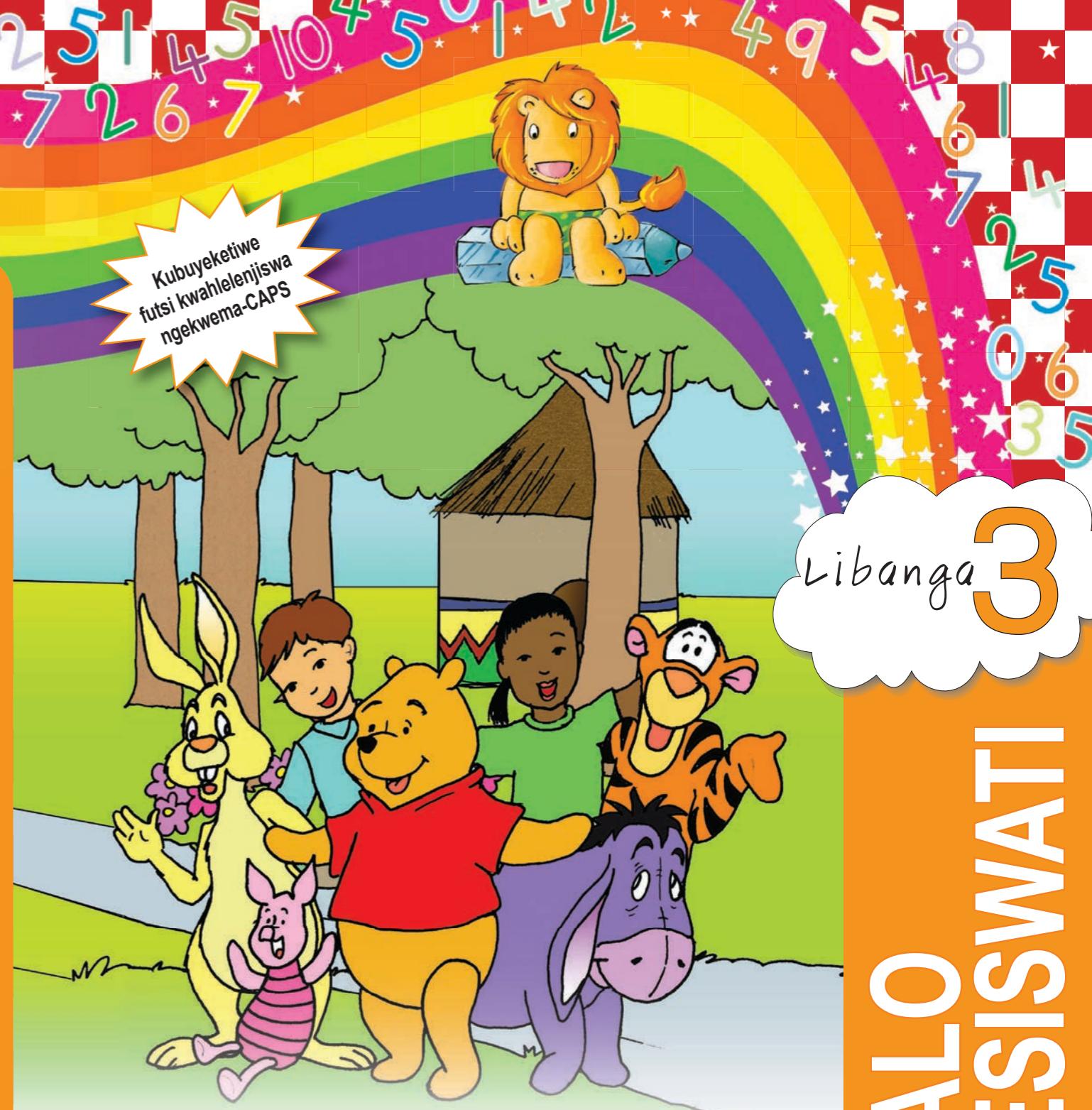
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TIBALO NGESISWATI – Libanga 3 Incwadzi 2



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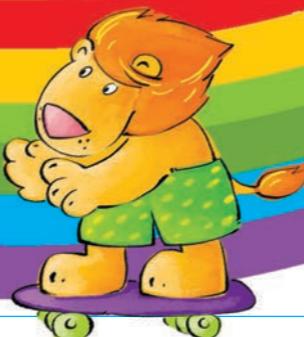


TIBALO NGESISWATI
Incwadzi 2

Emathemu
3 & 4

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| 67 | Tinombolo 600 kuya ku 700 | 6 |
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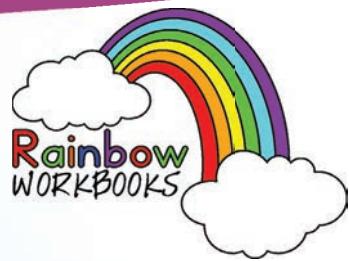


X Lithebula lekuphindzaphindza

| | | | | | | | | | | | |
|----|----|-------|----|----|----|----|----|----|----|-----|--|
| | | 2x2=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 | |
| 8 | 16 | | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | |
| 9 | 18 | | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | |
| 10 | 20 | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | |

Kwekusikwa 10

Libanga 3



T i b a i o

Lencwadzi ya:



STSWATI

Incwadzi

2

65



Lusuku:

Tinombolo 500 kuya ku 600

Ithemu 3



Bala ubhale.

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

500



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

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

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

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

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

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

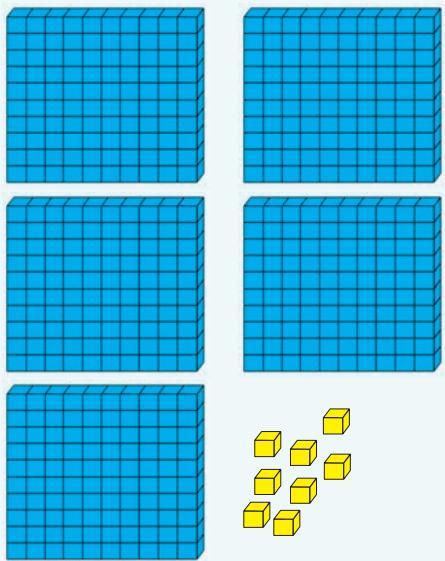
548; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 570

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

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



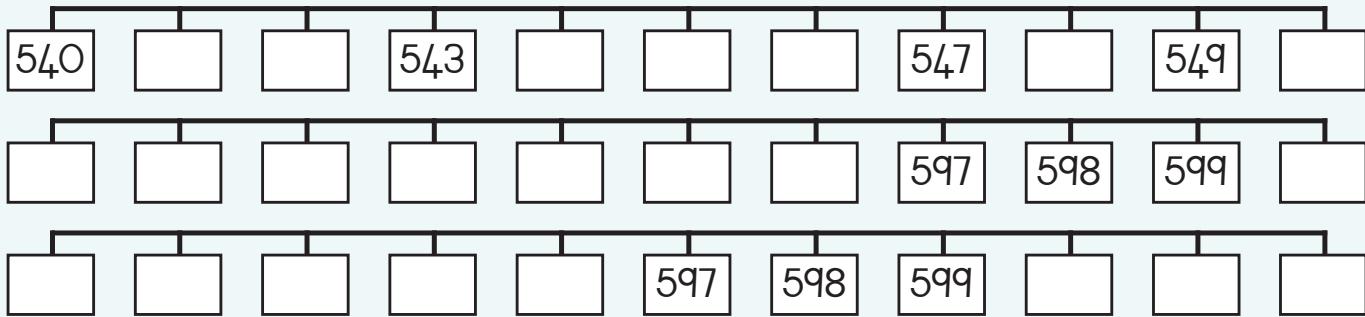
Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulencane
kakhulu kuye kulenkhulukati.

Bhala kusuka kulenkhulukati
kuye kulencane kakhulu.

582, 586, 584, 581, 585

566, 506, 560, 516, 506



Bhala lokulandzelako ngemagama.

520

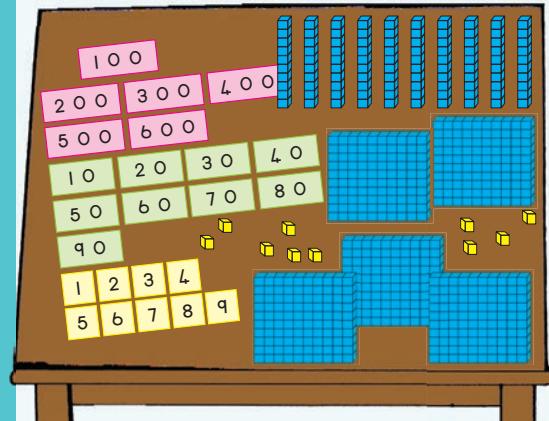
Teacher:
Sign:
Date:

bb

Sichubeka ngetinombolo

500 kuya ku 600

Ithemu 3



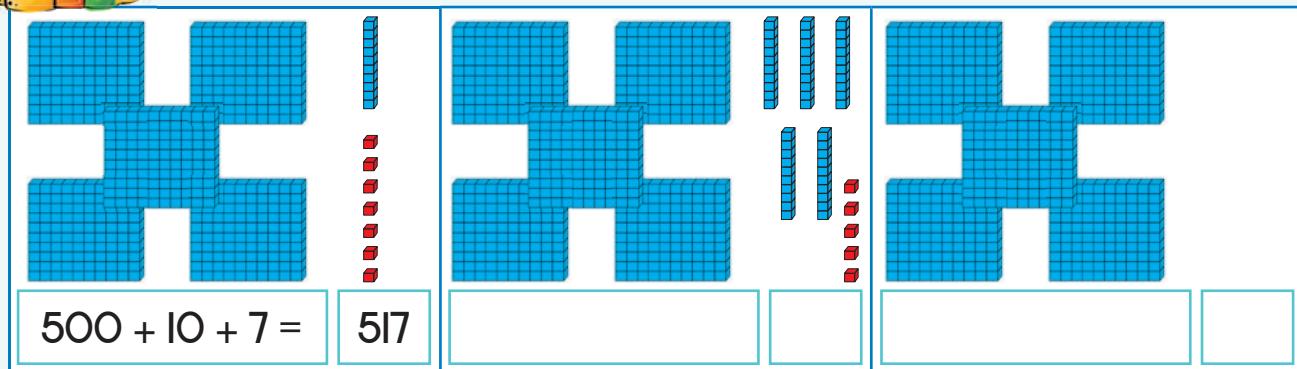
Peter unalamakhadi emandla-sikhundla
lalandzelako nemabhuloki-sisekelo
lalishumi.

Thishela ucela Peter kutsi
akhombise 537 ngemakhadi
akhe nangemabhuloki.

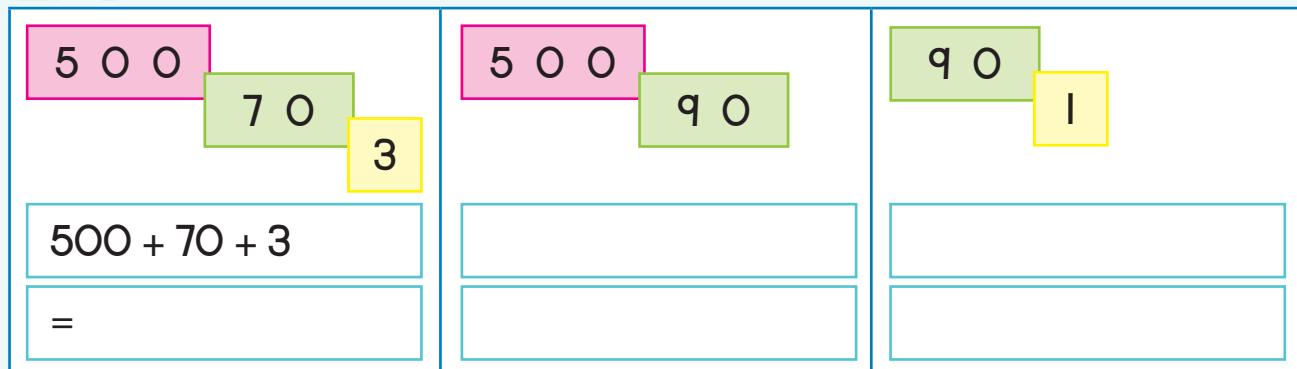
Naku lokukhonjiswe ngu-Aakar.
Yini langakayenti kahle?



Bhala umusho-nombolo bese kulandzela imphendvulo.



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.

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

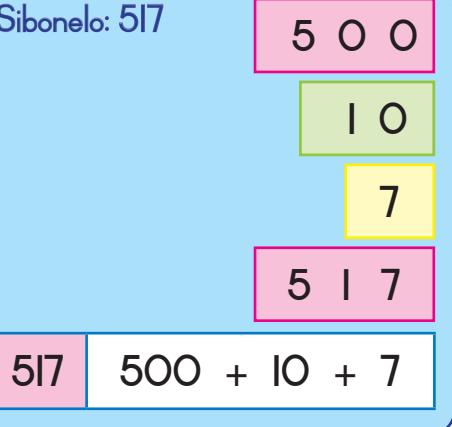
Kunetinhlavu-nombolo letilishumi.

0 1 2 3 4 5 6 7 8 9

Sitibeka ndzawonye kwenta tinombolo.

| | |
|-----|--|
| 495 | |
| 508 | |
| 594 | |
| 549 | |
| 602 | |

Sibonelo: 517



Bhala tinombolo-magama.

| | |
|-----|--|
| 221 | |
| 486 | |
| 369 | |
| 419 | |
| 491 | |



67

Lusuku:



Tinombolo 600 kuya ku 700

Ithemu 3



Bala ubhale.

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

600



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

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

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

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

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

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

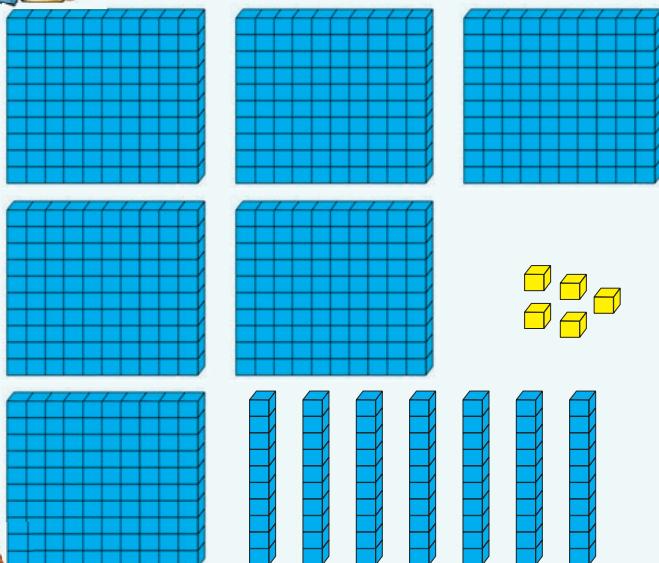
611; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 633

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

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



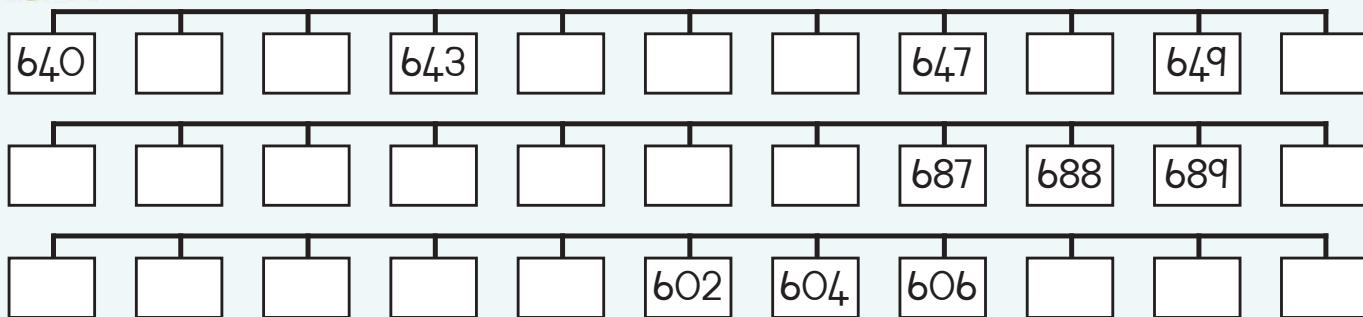
Mangakhi emabhuloki lowabalile?



Uwabale kanjani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulencane
kakhulu kuye kulenkhlukati.

Bhala kusuka kulenkhlukati
kuye kulencane kakhulu.

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



Bhala lokulandzelako ngemagama.

631

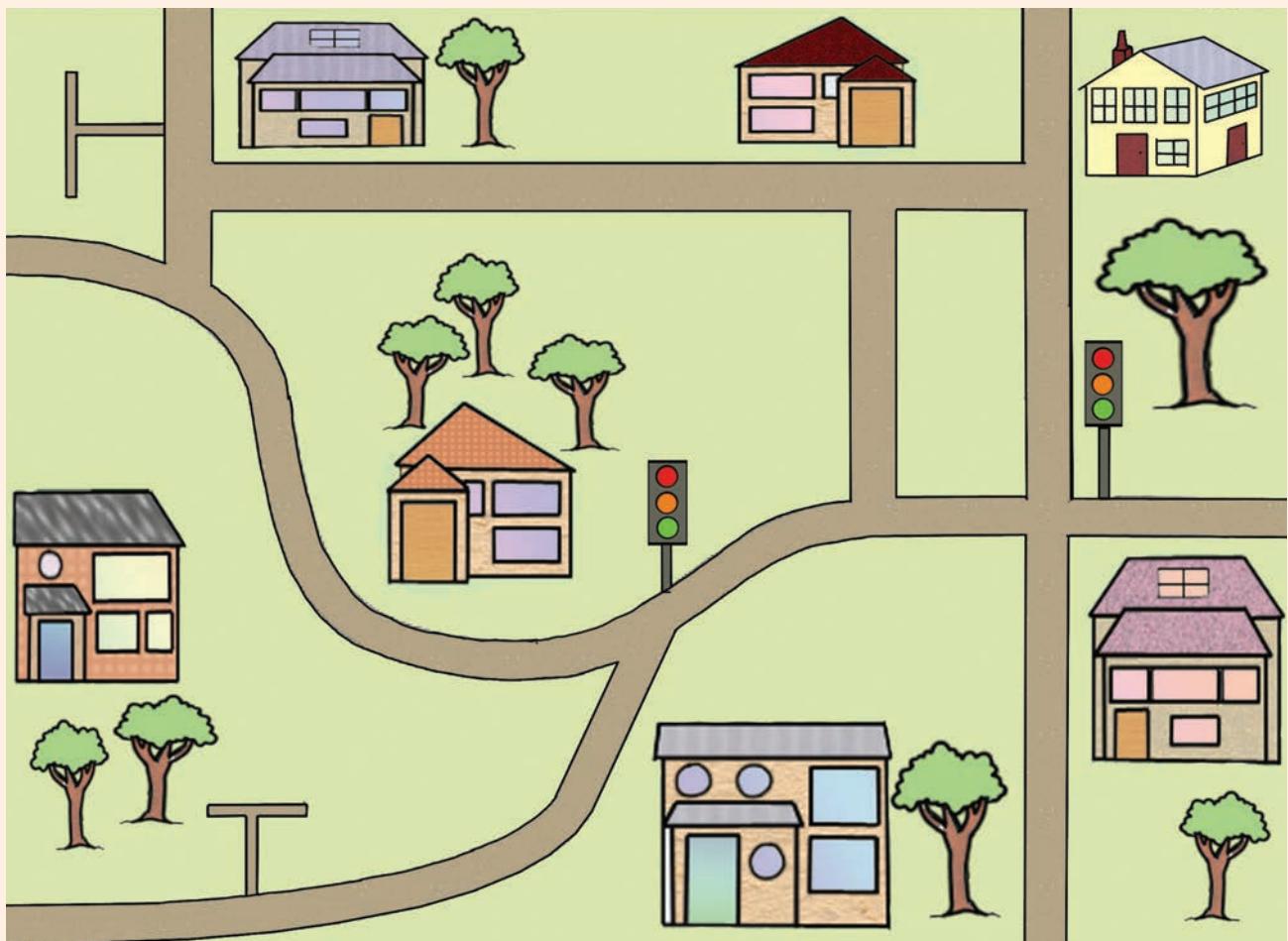
Teacher:
Sign:
Date:



Umsebenti welibalave

Buka lesitfombe.

- Kuyini loku?
- Sikusebentiselani?
- Singatfolani kubalave?



Dvweba lokulandzelako kulibalave:

Umtaponwadzi, tikolo, umtfolamphilo, sibhedlela, emaphoyiseni, etitolo.
Ungeneta 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.

| |
|--|
| |
| |
| |

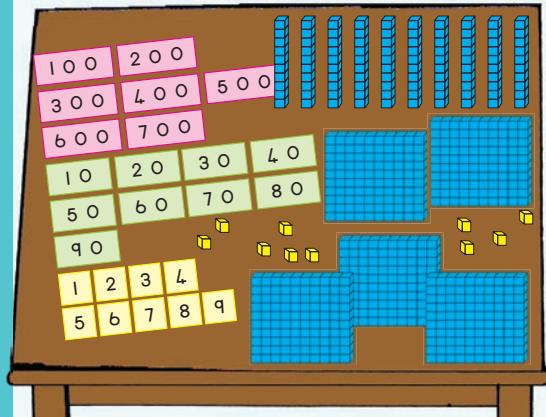


69

Siyachubeka

ngetinombolo 600 kuya ku 700

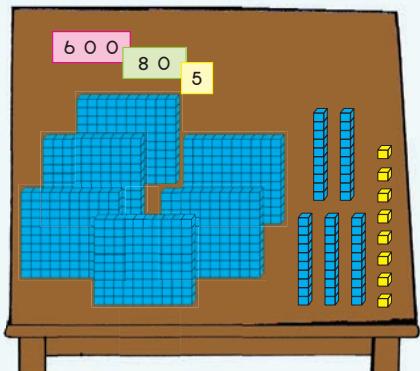
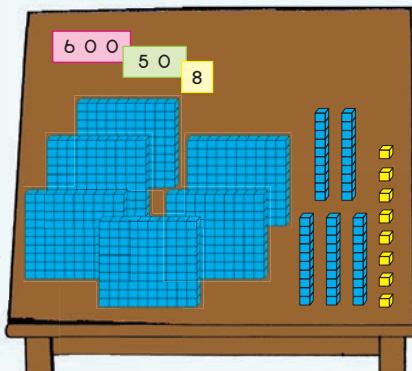
Ithemu 3



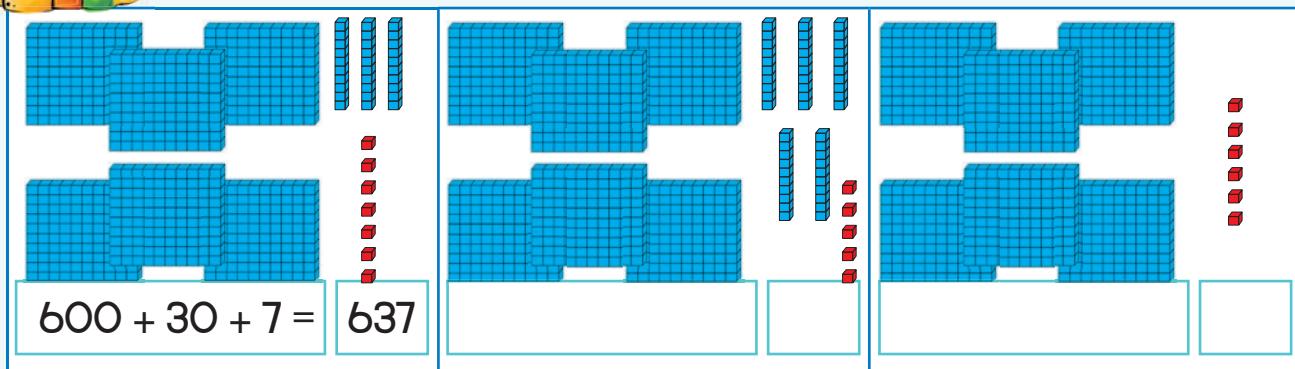
Peter undalamakhadi emandla-sikhundla lalandzelako nemabholoki-sisekelo lalishumi.

Thishela ucela Peter kutsi akhombise 658 ngemakhadi nangemabholoki akhe.

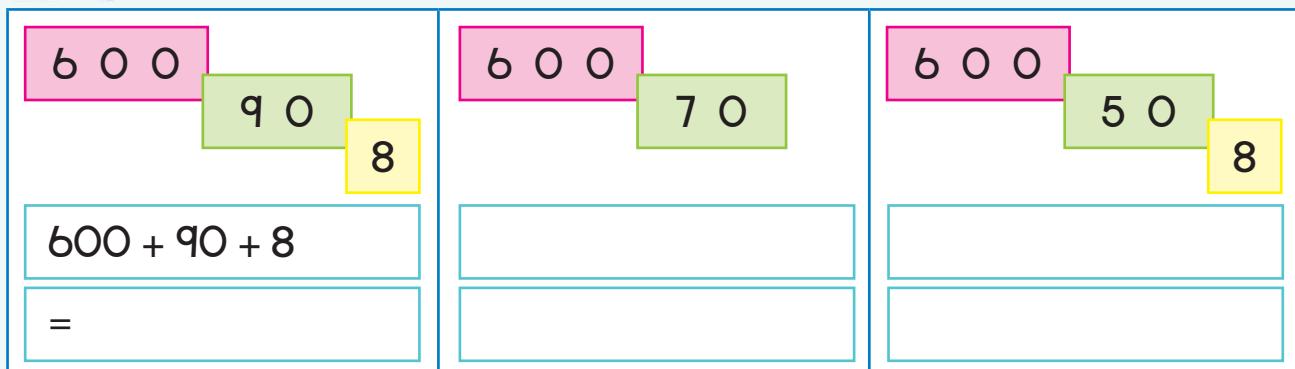
Naku Andile lakukhombisile. Yini langakayenti kahle?



Bhala umusho-nombolo bese kulandzela imphendvulo.



Bhala umusho-nombolo bese kulandzela imphendvulo.





Cedzela umugca-nombolo.

| | | | | | | | | | | |
|-----|-----|-----|--|--|--|--|--|--|--|-----|
| 670 | 671 | 672 | | | | | | | | 680 |
|-----|-----|-----|--|--|--|--|--|--|--|-----|

Ngibhalele tonkhe letinombolo letincane kuna 675. _____

Ngibhalele tonkhe letinombolo letinkhulu kuna 675. _____



Gcwalisa nga <, > noma =

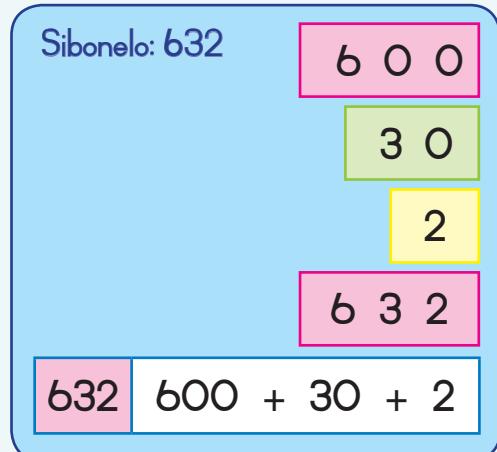
- a. 670 _____ 607
 b. 688 _____ 699
 c. $600 + 50 + 5$ _____ 655



Vutfuta inombolo yakho.

- a. Yakha inombolo ngayinye ngemakhadi akho.
 b. Bhala emandla eluhlavu-nombolo ngalunye. Nyalo yenta loku: Vutfuta inombolo yakho.

| | |
|-----|--|
| 686 | |
| 690 | |
| 699 | |
| 673 | |
| 665 | |



Bhala tinombolo-magama.

| | |
|-----|--|
| 672 | |
| 693 | |
| 607 | |
| 697 | |
| 660 | |



70



Ithemu 3



Bala ubhale.

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

650



| | | | | | | | | |
|-----|--|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | 657 | | |
| 661 | | | | | | | 669 | |
| | | 683 | | 685 | | | | |
| | | | 703 | | | | | |
| | | | | 714 | | | | |
| | | | | | 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.

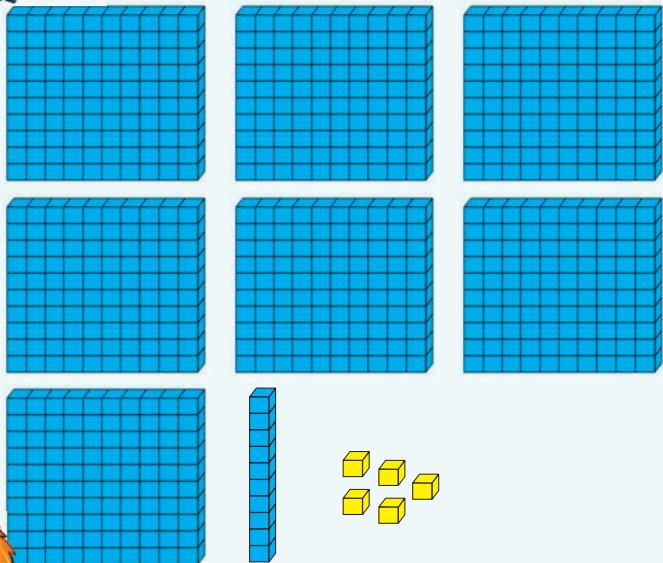
719; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 749

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

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



Mangakhi emabhuloki lowabalile?

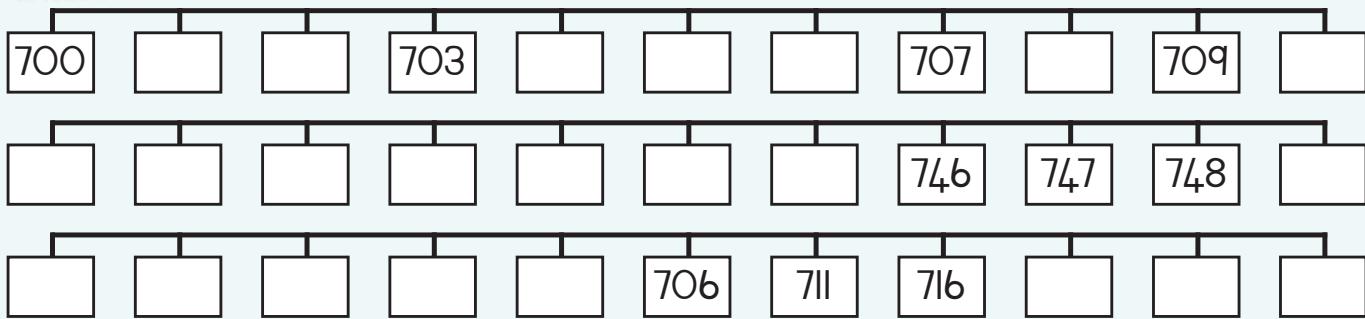


Uwabale kanjani lamabhuloki?

| |
|--|
| |
| |
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| |
| |
| |
| |
| |
| |



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulencane
kakhulu kuye kulenkhulukati.

Bhala kusuka kulenkhulukati
kuye kulencane kakhulu.

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



Bhala lokulandzelako ngemagama.

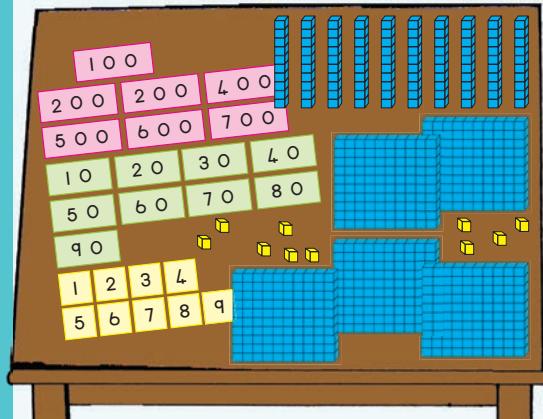
706



71

Tinombolo 700 kuya ku 750

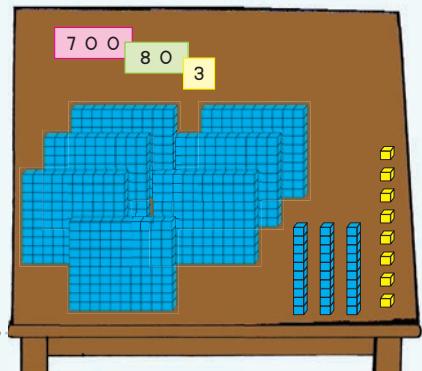
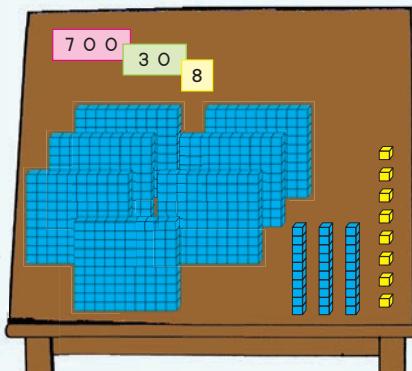
Ithemu 3



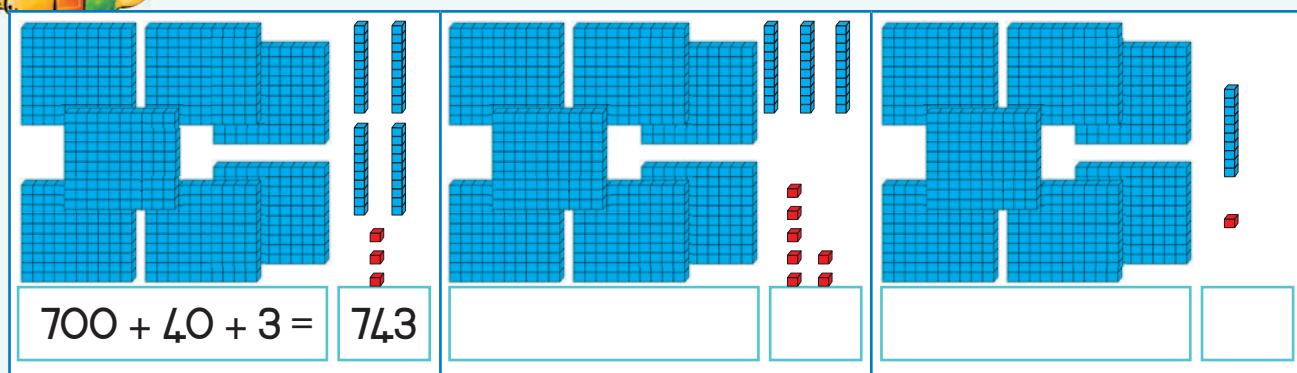
Peter unalamakhadi emandla-sikhundla lalandzelako nemabuloki-sisekelo lalishumi.

Thishela ucela Peter kutsi akhombise 738 ngemakhadi akhe nemabuloki.

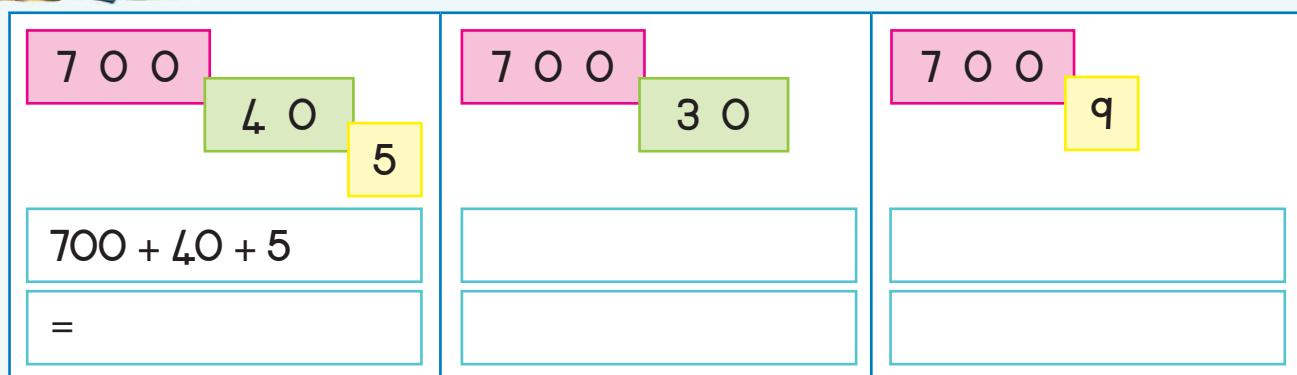
Naku Jabu lakukhombisile. Yini langakayenti kahle?



Bhala umusho-nombolo bese kulandzela imphendvulo.

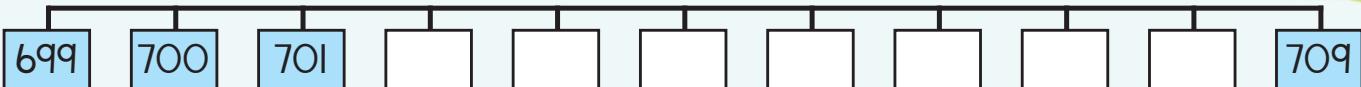


Bhala umusho-nombolo bese kulandzela imphendvulo.





Cedzela umugca-nombolo.



Nginike tonkhe letinombolo letincane kuna 704.

Nginike tonkhe letinombolo letinkhulu kuna 704.



Gcwalisa nga <, > noma =

a. 750 749

b. 732 723

c. $700 + 40 + 9$ 749

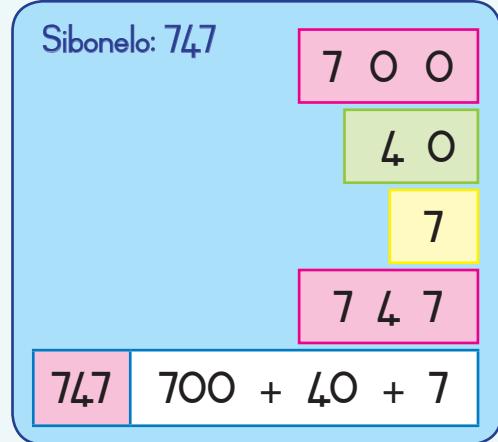


Vutfuta inombolo yakho.

a. Yakha inombolo ngayinye ngemakhadi akho.

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

| | |
|-----|--|
| 750 | |
| 728 | |
| 703 | |
| 730 | |
| 749 | |



Bhala tinombolo-magama.

| | |
|-----|--|
| 714 | |
| 750 | |
| 742 | |
| 738 | |
| 704 | |

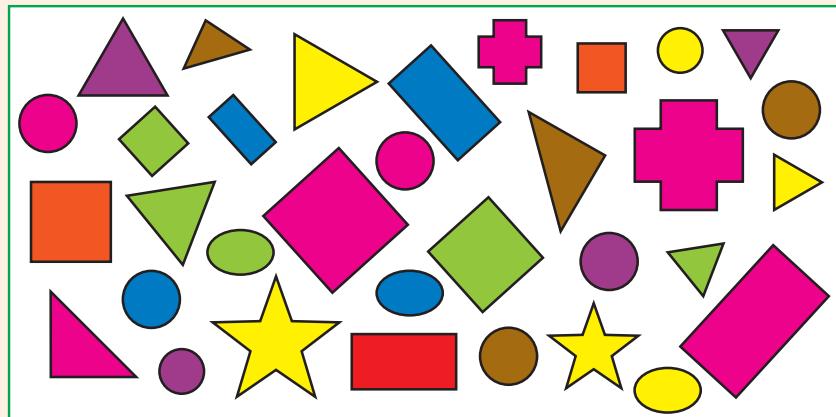




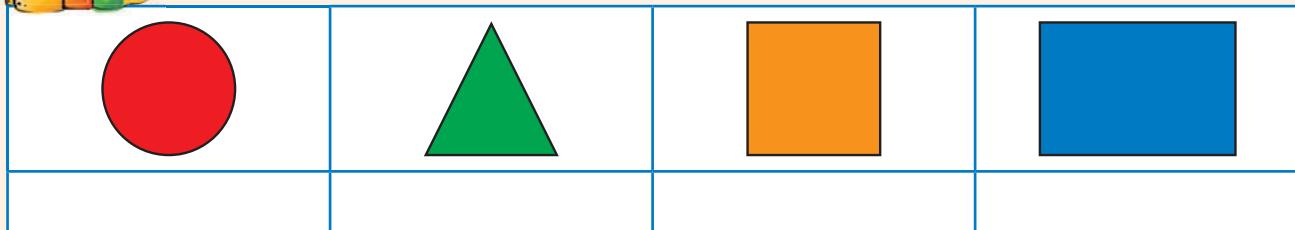
Lusuku:

Sakhiwo se 2-D

Shano kutsi ngabe
lobunjwa unelicala
lelicondzile noma
leliyindilinga.



Shano kutsi ngabe lobunjwa unemiphetfo lecondzile noma
leyindilinga.



Bangakhi bobunjwa
longabadvweba
ngemiphetfo lecondzile?

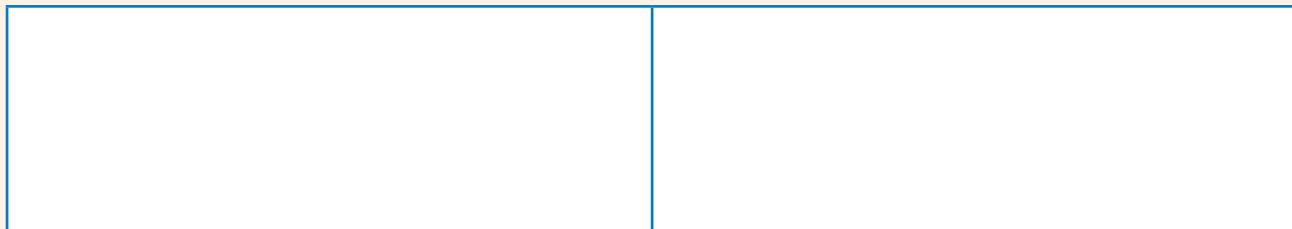
| |
|--|
| |
|--|



Tfola titfombe

Tfola bobunjwa labanemiphetfo
lecondzile ubanamatsisele lapha.

Tfola bobunjwa labanemiphetfo leyindilinga
ubanamatsisele lapha.





Cedzela lokulandzelako:

| | |
|-------------|--|
| | Dvweba lobunjwa eme ngetindlela letehlukene. |
| calantsatfu | |
| calandez | |
| sikwele | |



Cedzela lithebulu:

| Shano ligama lalobunjwa | Dvweba bunjwa lomncanyana | Dvweba bunjwa lomkhudlwana |
|----------------------------|------------------------------|-------------------------------|
| | | |
| | | |
| | | |
| | | |



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

Banamatsisele lapha.

| |
|--|
| |
|--|



73

Ithemu 3

Kuhlanganisa nekususa ku 800



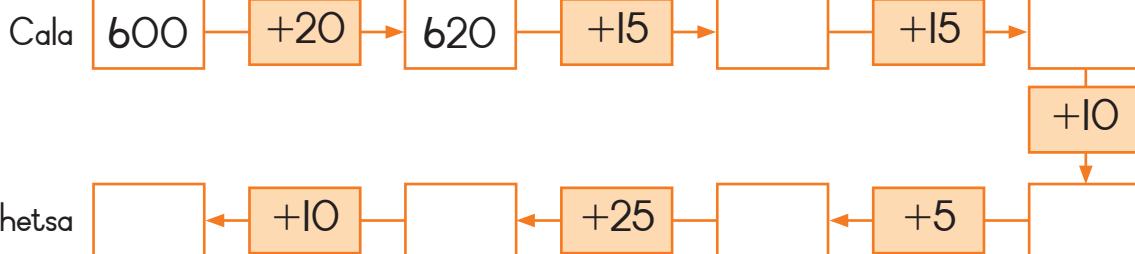
Ngingatsengani nga R500?

Ngutiphi taletintfo
lengingatitsenga
nga R500 ngco?



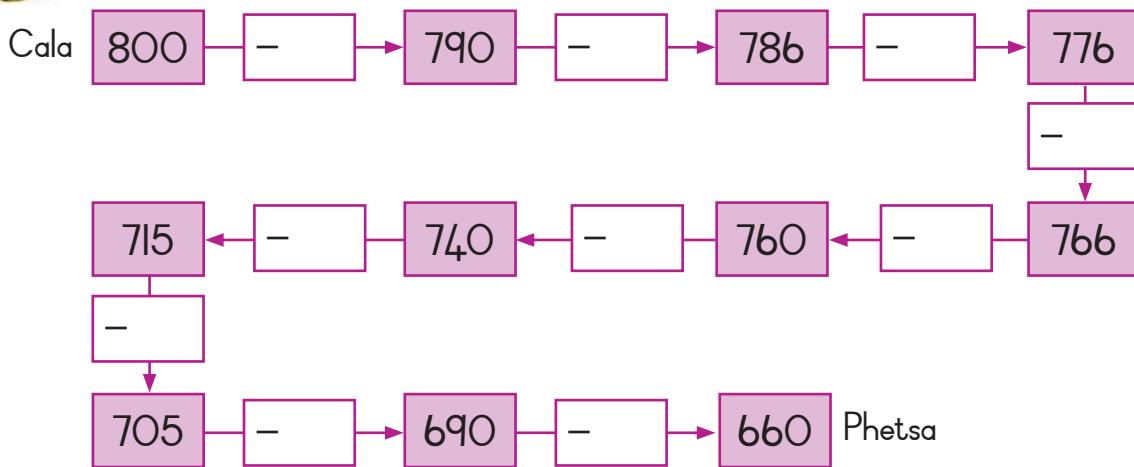
Kuhlanganisa sengete kusuka ku 600.

Faka tinombolo letishiyiwe.



Bala uye emuva kusuka ku 800.

Bhala "ingucuko" sikhatsi ngesikhatsi.



Lusuku:



Sombulula lokulandzelako:

$725 + 53 =$

$664 + 87 =$

$564 + 132 =$

$75 + 717 =$



Sombulula lokulandzelako:

James ucokelele 525 wetimabula.

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

- a. Tingakhi timabula labatakuba nato bobabili?
- b. Tingakhi timabula labekanato Sipho ekucaleni?

- a.
- b.



74

Siyachubeka ngekuhlanganisa nekususa ku 800

Lusuku:

Ithemu 3

Imindenি-tinombolo

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

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

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



Tfola imindenি.

Bhala 4 wemisho-nombolo licembu ngalinye letinombolo.

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



Funa tichumanisi.

Kulona umsebenti kumele sitfole iphethini.

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



Indlela lendze ngemoto.

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

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



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

$746 - 328$

$800 - 499$

Teacher:
Sign:
Date:

Siphindza kuhlanganisa nekususa sifike ku 800 futsi



Yakha yakakho iminden-i-tinombolo.

Umsebenti wekutifutfumeta.

8917

Sibonelo: Yakha 17

5 12 17



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

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



Hlolisa! Catsanisa!
Lungisa!

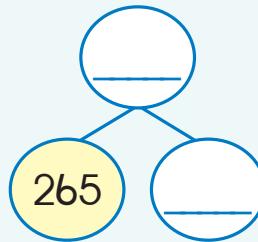
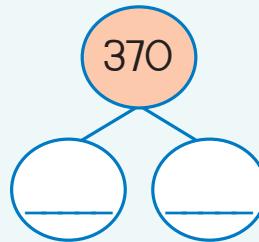
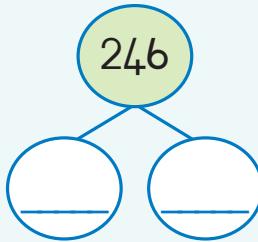
Enombolweni ngayinye ngentasi, khetsa letinye futsi leti-2 kwenta umndeni.

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

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



Tfola bophindza-kabili
nabohhafu labashiyiwe.





Kuhhafula kute ususe.

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

$$34 - 18 = 16$$

$$34 - 17 = 17$$

$$17 - 1 = 16$$

$$190 - 97$$

$$190 - 95 = 95$$

$$95 - 2 = 93$$

$$65 + 69$$

$$65 + 65 = 130$$

$$130 + 4 = 134$$

$$242 + 249$$

$$= 242 + 242 + 7$$

$$= 484 + 7$$

$$= 491$$

Nyalo yetama loku:

$$340 - 176$$

$$145 + 148$$

$$900 - 452$$



Fundzisisa tindlela.

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

Indlela 1

$$256 = 200 + 50 + 6$$

→ 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.

Indlela 2

$$\rightarrow \text{Ihhafu ya } 250 = 125$$

→ 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

Lusuku:



Yini longakusho ngaletinombolo emabhlukini 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.

I. Yengeta lishumi. Sikwentele kwekulala.

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:

704; 714; 724; _____; _____; _____

715; 725; 735; _____; _____; _____

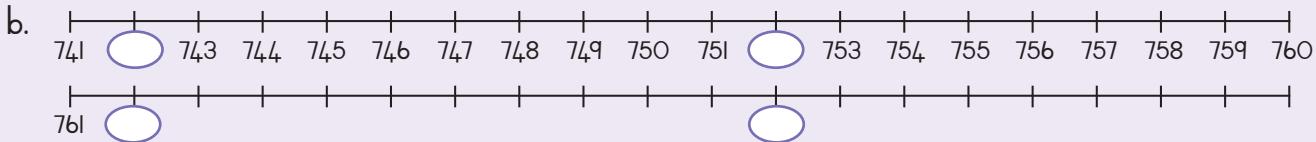
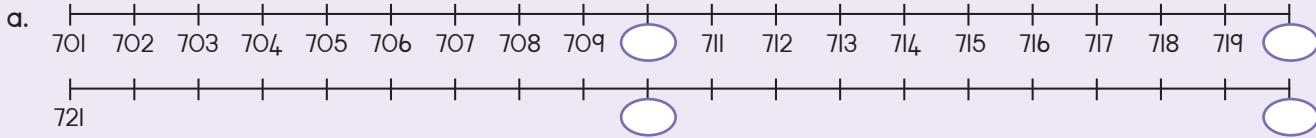
799; 789; 779; _____; _____; _____

782; 772; 762; _____; _____; _____

737; 747; 757; _____; _____; _____



Gcwalisa ngenombolo lefanele endilingeni ngayinye
kulemigca-nombolo.



Nginenombolo lenhlavu-3.

Luhlavu Iwekucala ngu 7, lolulandzelako lungetulu kwa 7 ngakunye,
bese Iwekugcina lungephansi kwa 7 ngakunye.



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

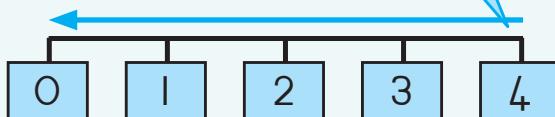


Teacher: _____
Sign: _____
Date: _____

Kusonga usondzete emashumini

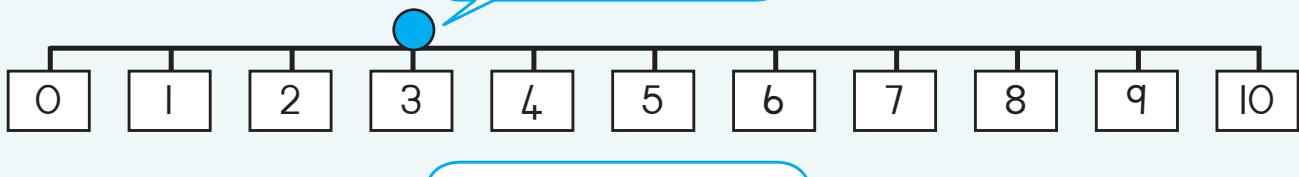
Tonkhe letinombolo kusuka ku 4 uya emuva titawusongwa tisondzete ku 0.

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

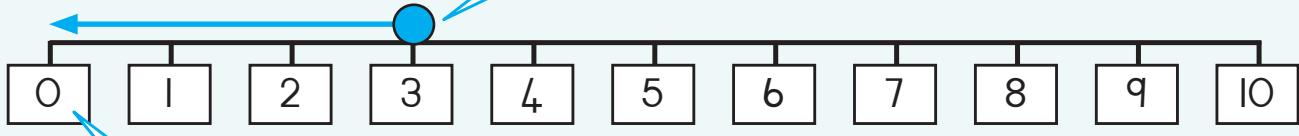


Asikhulume.

Buka 3 kumugca-nombolo.



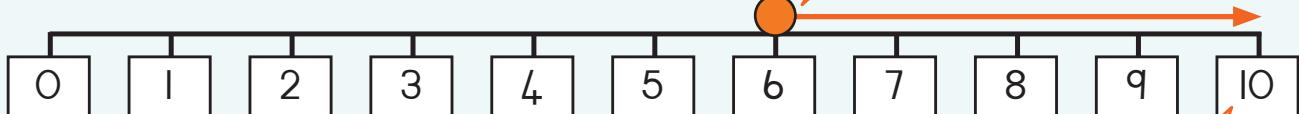
Utaba yini 3 uma sekasongiwe?



3 nakasongiwe wasondzeta eshumini lelisedvute utaba ngu-ziro.

Yenta sona leso ngaloku:

Utaba yini 6, nakasongiwe wasondzeta ku 10 losedvute?



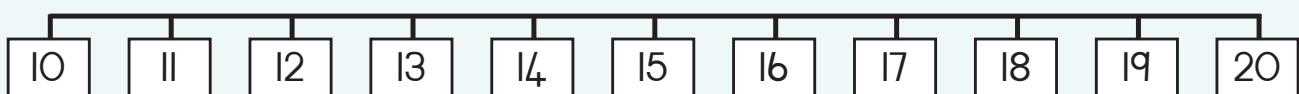
Imphendvulo itakuba ngu 10.



Songa usondzete ku 10 losedvute.

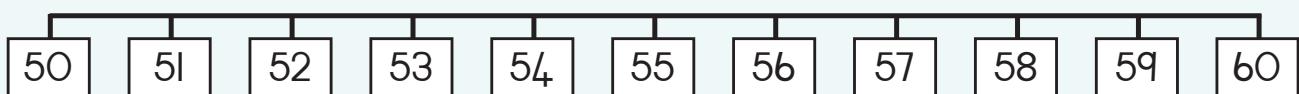
12 nakasongiwe ngu? _____

19 nakasongiwe ngu? _____



53 nakasongiwe ngu? _____

58 nakasongiwe ngu? _____





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

a. 46

46

50

Usemkhatsini wamaphi emashumi
lamabili 46?

40

41

42

43

44

45

46

47

48

49

50



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 nga R48, 00? _____





Kuphindzaphindza: tihlanu kufika ku 75

Lusuku:

Yini leta ngetihlanu?

Iminwe esandleni sinye.



Cedzela lithebula.

Mingakhi iminwe ku:

2 tandla?

3 tandla?

4 tandla?

5 tandla?

6 tandla?

7 tandla?

8 tandla?

9 tandla?

10 tandla?

Condzanisa sibalo
nembuto ngesancele:

$9 \times 5 = 45$

$7 \times 5 = 35$

$2 \times 5 = 10$

$4 \times 5 = 20$

$3 \times 5 = 15$

$5 \times 5 = 25$

$10 \times 5 = 50$

$6 \times 5 = 30$

$8 \times 5 = 40$

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



Cedzela lithebula.

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



Cedzela lelithebula lelingantasi:

kungena

| |
|----|
| II |
| I2 |
| I3 |
| I4 |
| I5 |

kuphuma

| |
|--|
| |
| |
| |
| |
| |

umtsetfo

$$\times 5$$

kungena

| |
|----|
| 5 |
| 10 |
| 15 |
| 25 |
| 30 |

kuphuma

| |
|--|
| |
| |
| |
| |
| |

umtsetfo

$$\div 5$$

kungena

| |
|----|
| 16 |
| 17 |
| 18 |
| 19 |
| 20 |

kuphuma

| |
|--|
| |
| |
| |
| |
| |

umtsetfo

$$\times 5$$

kungena

| |
|----|
| 55 |
| 60 |
| 65 |
| 70 |
| 75 |

kuphuma

| |
|--|
| |
| |
| |
| |
| |



Cedzela lamathebula ngentasi:

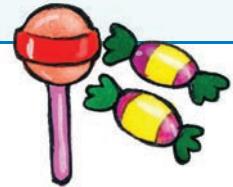
| | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|-----|
| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 5 | | | | | | | | | | |
| x | II | I2 | I3 | I4 | I5 | I6 | I7 | I8 | I9 | I20 |
| 5 | | | | | | | | | | |

Utabale kanjani letimphendvulo lokufute tibhalwe etibayeni letilingangane?



Sombulula lokulandzelako:

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



79

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.

- i. 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 ebbodini yetinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana kwetinombolo

lelandzelako:

703; 708; 713; _____ ; _____ ; _____

753; 758; 763; _____ ; _____ ; _____

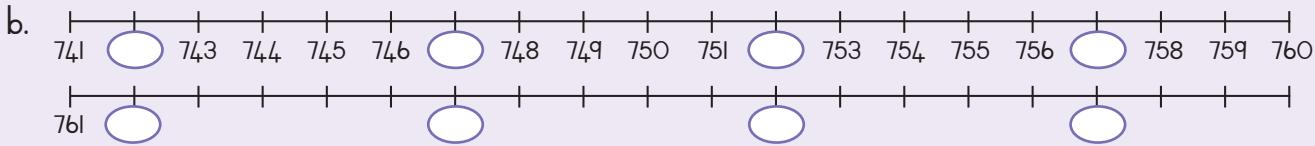
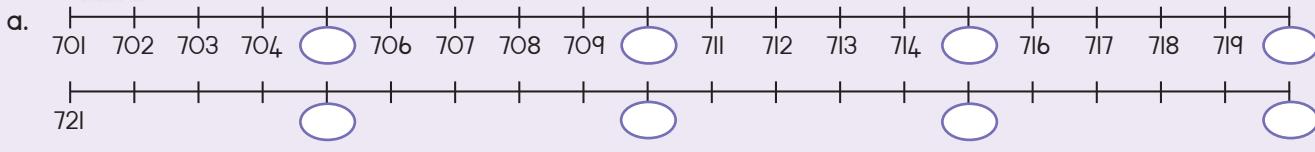
701; 706; 711; _____ ; _____ ; _____

722; 727; 732; _____ ; _____ ; _____

714; 719; 724; _____ ; _____ ; _____



Gcwalisa ngenombolo lefanele endilingeni ngayinye
kulemigca-nombolo.



Nginenombolo lenhlavu-3.

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



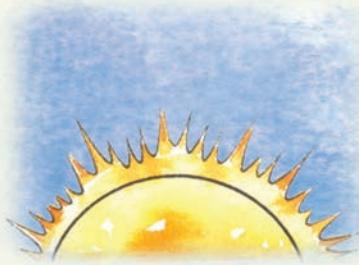
Uma ubala uya embili ngetihlanu kusuka kulenombolo, ingaba ngubani lenombolo?



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 |
|--------------------|--------------------|--------------------|--------------|----------------|
| iNdlovulenkhulu 23 | 6:53 eksn | 6:53 ntsmb | | |
| iNhlabi 21 | 7:51 eksn | 5:44 ntsmb | | |
| iNyoni 19 | 6:41 eksn | 6:41 ntsmb | | |
| iNgongoni 22 | 5:32 eksn | 7:58 ntsmb | | |

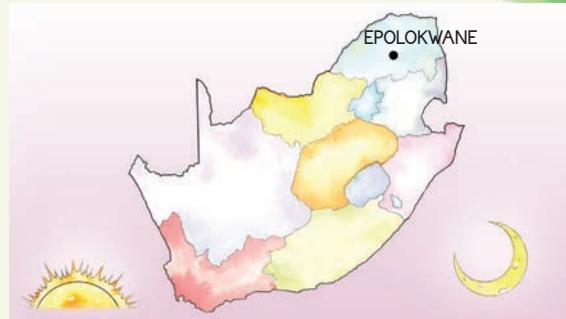
- Ngungatiphi tinyanga lapho khona imini nebusuku kulingana ngebudze? _____
- Nguyiphi inyanga lenetimini letindzekati? _____
- Nguyiphi inyanga lenetimini letimfisha kakhulu? _____
- Tfola umehluko ngema-awa nemizuzu emkhatsini wemini lendzekati nalemfisha kakhulu.

- Tfola budze bemini nebusuku balolo nalolo lulusuku kulelithebula lelingetulu.



EPolokwane

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



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

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



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



Kuphindzaphindza: ngakubili kufika ku 75

Yini lehamba ngakubili?
Lipheya linye leticatfulo.



Cedzela lithebula.

Tingakhi ticatfulo letiku

I lipheya leticatfulo?

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

Condzanisa sibalo
nembuto ngesancele:

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

| Kubutsisa | Kuphindzaphindza | Kwaba | Yehlukanisa |
|-------------------|--------------------|-------------------------|------------------|
| 10 ticumbi tabo 2 | $10 \times 2 = 20$ | Yaba 20 emkhatsini wa 2 | $20 \div 2 = 10$ |
| 15 ticumbi tabo 2 | | Yaba 30 emkhatsini wa 2 | |
| 20 ticumbi tabo 2 | | Yaba 40 emkhatsini wa 2 | |
| 35 ticumbi tabo 2 | | Yaba 70 emkhatsini wa 2 | |



Cedzela lithebula.

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



Cedzela lelithebula lelingantasi:

kungena

| |
|----|
| II |
| I2 |
| I5 |
| I7 |
| 20 |

kuphuma

| |
|--|
| |
| |
| |
| |
| |

umtsetfo

 $\times 2$

kungena

| |
|----|
| 20 |
| 26 |
| 32 |
| 38 |
| 44 |

kuphuma

| |
|--|
| |
| |
| |
| |
| |



Cedzela lamathebula ngentasi:

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

| | | | | | | | | | | | | | | | | | | |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| \times | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | |
| 2 | | | | | | | | | | | | | | | | | | |



Sombulula lokulandzelako:

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





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. Yeneta kubili enombolweni lonikiwe.
Kwekulala sesikwentele.

$$764 + 2 = 766$$

b. 762 _____

c. 783 _____

d. 756 _____

e. 714 _____

f. 799 _____



2. Susa kubili enombolweni lonikiwe. Kwekucala sesikwentele.

a. $764 - 2 = 762$

b. 762

c. 783

d. 756

e. 714

f. 799

3. Kwentekani uma uhlanganisa noma ususa kubili kulenombolo lengetulu?



Bukisia letindilinga letilingangane ebhodini letinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana

kwaletinombolo:

701; 703; 705; _____ ; _____ ; _____

725; 727; 729; _____ ; _____ ; _____

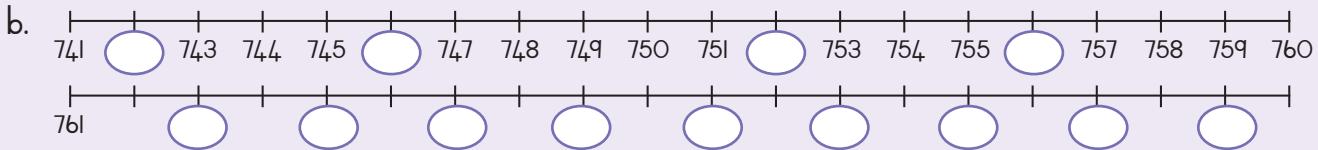
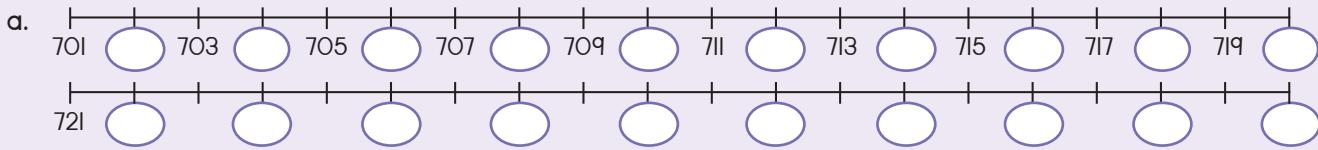
799; 797; 795; _____ ; _____ ; _____

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.

$$4 \times 2 = 8$$

Cocani ngako.

Umngani wami ukhombise 4×2 kanjena:

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

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

| Kwecisa kubala | Ticumbi letilinganako | Kuhlanganisa lokuphindziwe | Lokuhlelenjisiwe | Emaciniso |
|----------------|-----------------------|----------------------------|------------------|-----------|
| | | | | |



Phindzaphindza lokulandzelako:

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



Kuphindzaphindza: kutsatfu kufika ku 75

Lusuku:



Yini lehamba ngakutsatfu?
Emasondvo elibhayisikili
lasondvontsatfu.



Cedzela lithebula.

Mangakhi emasondvo laku

I sondvontsatfu?

2 bosondvontsatfu?

3 bosondvontsatfu?

4 bosondvontsatfu?

5 bosondvontsatfu?

6 bosondvontsatfu?

7 bosondvontsatfu?

8 bosondvontsatfu?

9 bosondvontsatfu?

10 bosondvontsatfu?

Condzanisa sibalo
nembuto ngesancele:

$$9 \times 3 = 27$$

$$7 \times 3 = 21$$

$$\textcolor{orange}{2 \times 3 = 6}$$

$$4 \times 3 = 12$$

$$3 \times 3 = 9$$

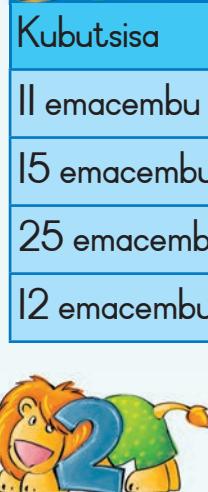
$$5 \times 3 = 15$$

$$1 \times 3 = 3$$

$$10 \times 3 = 30$$

$$6 \times 3 = 18$$

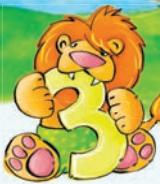
$$8 \times 3 = 24$$



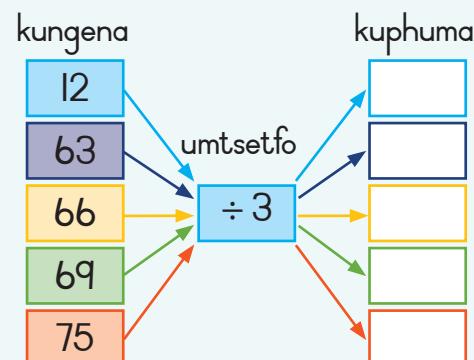
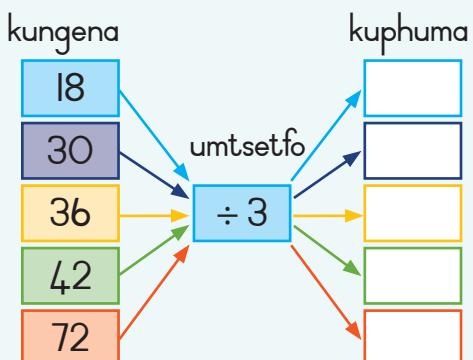
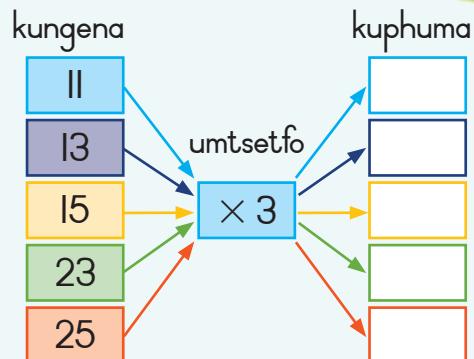
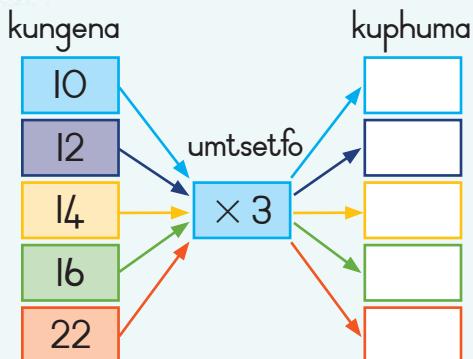
Cedzela lithebula.

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

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



Cedzela lelithebula lelingantasi:



Cedzela lamathebula ngentasi:

| \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 | | | | | | | | | | | | | | | |

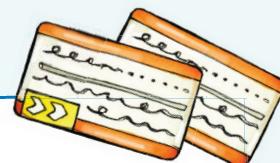
Utabale njani letimphendvulo lapho khona emabhuloki angumbala lolingangane?



Sombulula lokulandzelako:

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

Bakhokhe malini sebabonkhe?



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 | Lokuhlelenjisiwe | Emaciniso |
|----------------|-----------------------|----------------------------|-------------------------|--|
| 2, 4, - - - | ● ● - - - - | 2 + - - - - | — luhele lwa 2 xx | $2 \times - = -$ $4 \times - = -$ $- \div - = -$ $- \div - = -$ |

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

| Kwecisa kubala | Ticumbi letilinganako | Kuhlanganisa lokuphindziwe | Lokuhlelenjisiwe | Emaciniso |
|----------------|-----------------------|----------------------------|------------------|-----------|
| | | | | |

$6 \times 4 = 24$

| Kwecisa kubala | Ticumbi letilinganako | Kuhlanganisa lokuphindziwe | Lokuhlelenjisiwe | Emaciniso |
|----------------|-----------------------|----------------------------|------------------|-----------|
| | | | | |



Yehlukanisa ucilonge imphendvulo yakho.

$$63 \div 3$$

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

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

$$= 20 + 1$$

$$= 21$$

$$21 \times 3$$

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

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

$$= 60 + 3$$

$$= 63$$

a. $48 \div 5$

b. $64 \div 5$



Sombulula loku lokulandzelako:

Mine nebangani bami sina R63 sekukonkhe.

Sifuna kuyaba lemali ngekulingana emkhatsini wetfu sobatsatfu.

Ngamunye wetfu utawutfolo malini?



| |
|----------|
| Teacher: |
| Sign: |
| Date: |

Emaphethini nombolo: kutsatfu kuye ku 800



Yini longayisho ngaletinombolo etibayeni
letinembala loliphuti?

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

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

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



Cedzela kulandzelana kwetinombolo.

703; 706; 709; _____; _____; _____

799; 796; 793; _____; _____; _____



Hlanganisa noma ususe kutsatfu.

- I. 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:

$704; 707; 710; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$773; 776; 779; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

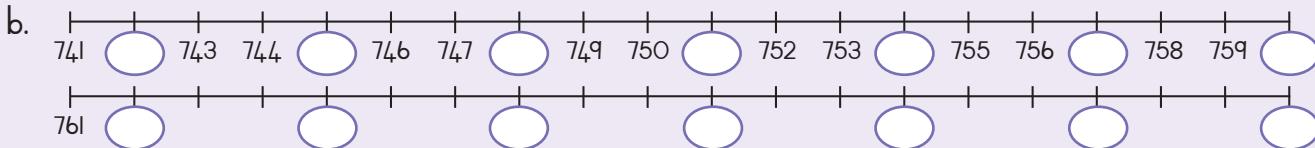
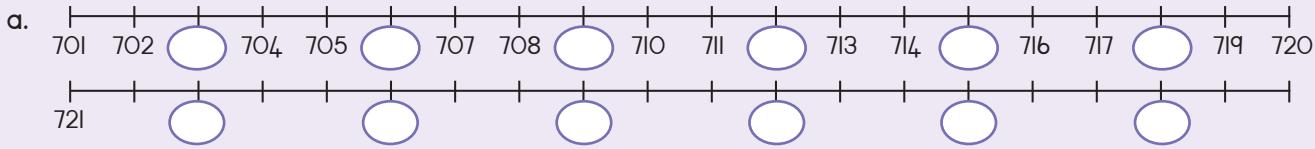
$779; 776; 773; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$782; 785; 788; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$

$779; 782; 785; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}; \underline{\hspace{1cm}}$



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



Nginenombolo luhlavu-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

Lusuku:



Yini lehamba ngakune?
Emasondvo emoto.



Cedzela lithebula.

Mangakhi emasondvo
laku

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

Condzanisa sibalo
nembuto ngesancele:

$$\begin{aligned}
 9 \times 4 &= 36 \\
 7 \times 4 &= 28 \\
 2 \times 4 &= 8 \\
 4 \times 4 &= 16 \\
 3 \times 4 &= 12 \\
 5 \times 4 &= 20 \\
 1 \times 4 &= 4 \\
 10 \times 4 &= 40 \\
 6 \times 4 &= 24 \\
 8 \times 4 &= 32
 \end{aligned}$$

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

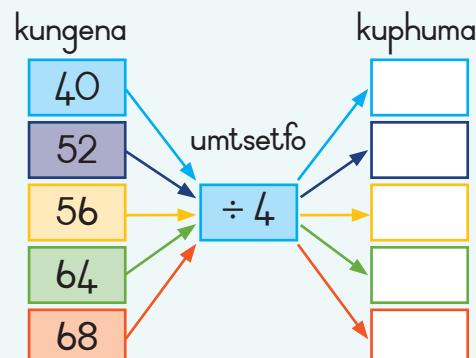
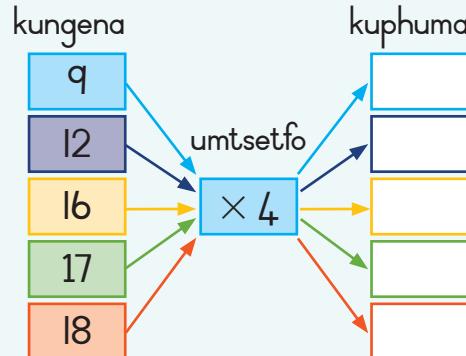
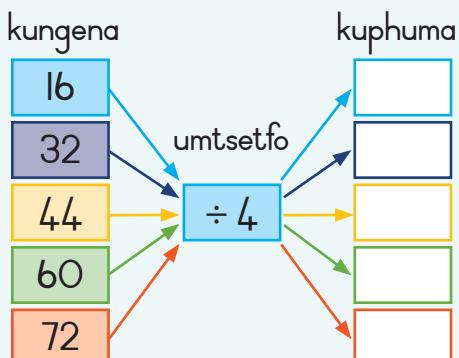
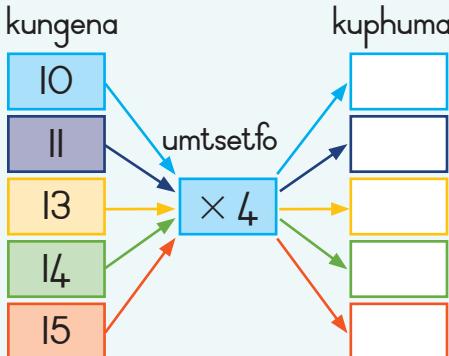


Cedzela lithebula.

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



Cedzela lelithebula lelingantasi:



Cedzela lamathebula ngentasi:

| | | | | | | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 4 | | | | | | | | | | | | | | | |
| x | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 4 | | | | | | | | | | | | | | | |

Utabale njani timphendvulo lapho khona emabhaluki angumbala lolingangane?



Sombulula lokulandzelako:

Ngina R75.

Tingakhi tipho tephathi letincane taR4 lengingatitsenga?





Emaphethini nombolo: ngakune kuye ku 800

Lusuku:



Yini longayisho ngaletinombolo etibayeni
letinembala loliphuti?

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

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

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



Cedzela kulandzelana kwetinombolo.

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



Hlanganisa noma ususe kune.

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

a. $764 + 4 = 768$

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



2. Susa kune enombolweni lonikwe yona. Kwekucala sesikwentele.

a. $764 - 4 = 760$

b. 768 _____

c. 784 _____

d. 752 _____

e. 714 _____

f. 798 _____

3. Kwentekani uma uhlanganisa noma ususa kune kulenombolo lengetulu?



Bukisia letindilinga letilingangane ebhodini letinombolo.

a. Yini loyicaphelako ngaletindilinga? _____

b. Chuba lendlela yekulandzelana

kwaletinombolo:

$703; 707; 711; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}$

$773; 777; 781; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}$

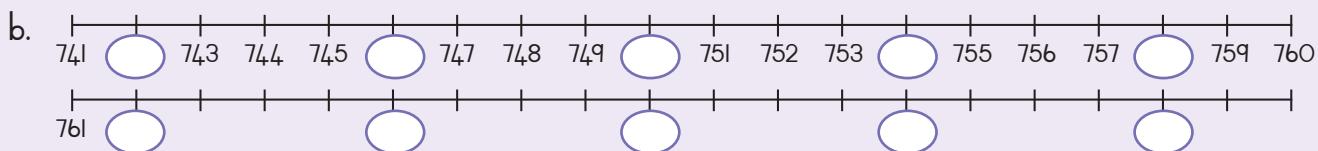
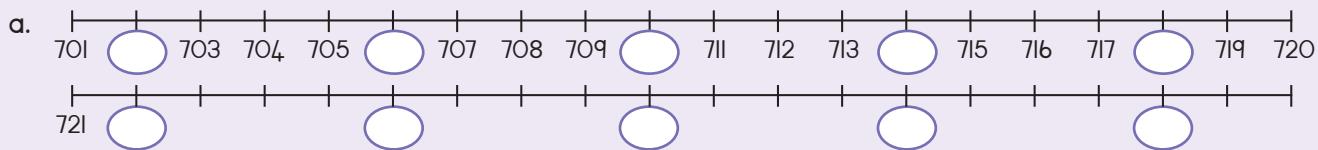
$711; 715; 719; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}$

$783; 779; 775; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}$

$799; 795; 791; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}; \underline{\hspace{2cm}}$



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:

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Lusuku:

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

Ithemu 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 1 | $15 \div 5 =$ _____ | $18 \div 5 =$ _____ |
| $20 \div 4 =$ _____ | $23 \div 4 =$ _____ | $16 \div 3 =$ _____ | $18 \div 3 =$ _____ |
| $25 \div 2 =$ _____ | $24 \div 2 =$ _____ | $30 \div 2 =$ _____ | $29 \div 2 =$ _____ |
| $19 \div 3 =$ _____ | $17 \div 3 =$ _____ | $31 \div 5 =$ _____ | $30 \div 5 =$ _____ |
| $55 \div 5 =$ _____ | $52 \div 5 =$ _____ | $57 \div 3 =$ _____ | $60 \div 3 =$ _____ |



Wati kanjani kutsi leyo nombolo ingehlukaniseka ngayiphi.

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



Yehlukanisa uclonge imphendvulo yakho.

$$65 \div 3$$

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

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

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

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

$$21 \times 3 + 2$$

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

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

$$= 60 + 3 + 2$$

$$= 65$$

a. $49 \div 5$

b. $65 \div 5$



Sombulula lokulandzelako:

Udzinga kuhamba uyokwenta luhlwayo.

Wati kanjani kutsi inombolo ingehlukaniseka nga 4?



| |
|-------------------|
| Teacher: Sign: |
| Date: |

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Lusuku:

Ithemu 3

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 _____.

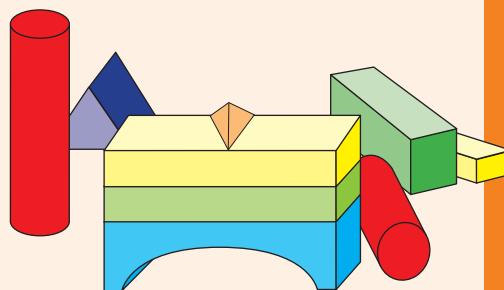
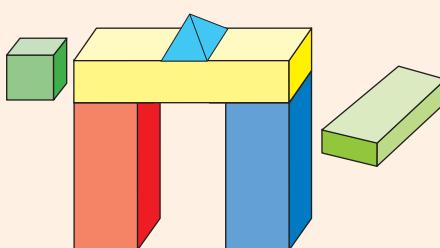
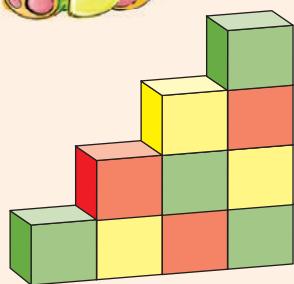


- d. Umbhoshongo ungashelela yini nawo?



Shano tintfo letisetjentiswe kulesitfombe.

Utawuyisho kanye intfo ngayinye. Shano kutsi ingacicika noma ishelele.



| | | |
|--|--|--|
| | | |
|--|--|--|



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



Dvweba lokulandzelako:

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



q

Ithemu 3



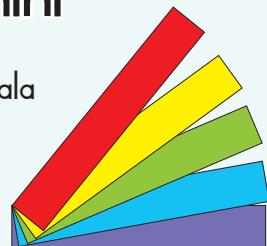
Lusuku:

Emakhithi elucu lwemafrikishini



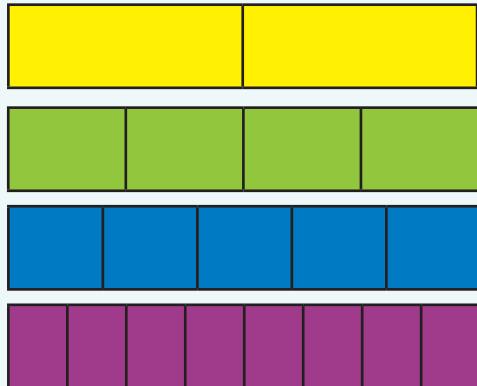
Yakha ikhithi.
Lishadi lekusikwa 5

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

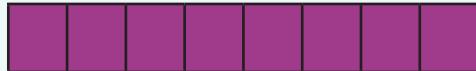
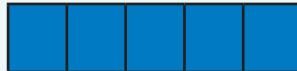


Ekhatsi Elucwini lunye bhala lamagama: "Kunye Lokugcwele"
Tsatsa lolunye lucu ulugobe emkhatsini-ngco ngekucophelela.
Bese uyaluvula. Tingakhi tincenyeletinganganako lose unato?
Bhala $\frac{1}{2}$ ehhafini ngayinye bese usika ngemgobo.
Tsatsa lucu lwasitsatfu ulugobe emkhatsini-ngco, phindza futsi
ulugobe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

Kunye Lokugcwele



Sebentisa leticucu letikukhithi
yemafrakishini kukusita uphendvule lemibuto.



Bangakhi bohhafu

Tingakhi tincenyen-ne

labanganga Kunye Lokugcwele?

letingangahhafu munye?



Emafrakishini kumugca-nombolo.

Lolucu luhombisa, Kunye Lokugcwele.

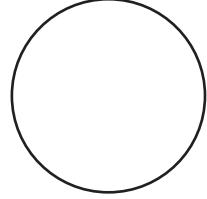
Kunye Lokugcwele

Lendilinga ikhombisa
Kunye Lokugcwele.

Yehlukanisa lucu ngaboncenyen-ntsatfu.



Faka umbala kuncenyen-ntsatfu munye..

Yehlukanisa indiliinga
ngaboncenyen-ntsatfuFaka umbala
kuncenyen-ntsatfu munye.



Nyalo faka umbala kuloku lokulandzelako:

| | | |
|--------------|------------------------|---------------------------|
| Ihhafu yinye | Boncenyē-ne labatsatfu | Boncenyē-ntsatfu lababili |
| | | |



Dvweba lokulandzelako:

| | | |
|---|--|---|
| Emakota lamatsatfu usebentisa sikwele | Ihhafu yinye usebentisa indilinga. | Boncenyē-ntsatfu lababili usebentisa calantsatfu. |
| Boncenyē-hlanu labane usebentisa indilinga. | Tincenyē letine talokusiphohlongo usebentisa sikwele | Boncenyē-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.





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 yinje.



Sipho



Dvweba sabelo saSipho.



b.

Gugu



Dvweba tabelo tabo Sipho naGugu.



c.

Ngitawutsatsa
ihhafu yalokusele.

Andile



Dvweba sabelo saSipho, Gugu na-Andile.

d.

Inganani iphayi
lesalele mine?

Lisa

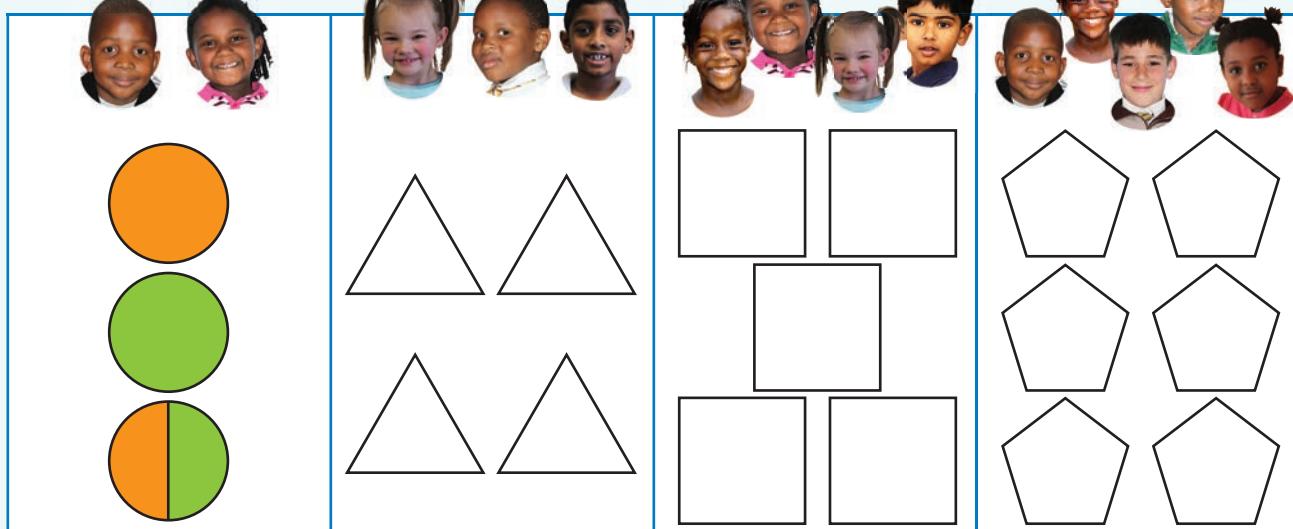


Dvweba tonkhe tabelo tabo talephayi.





Yaba bobunjwa wabele bantfwana
ngekudvweba umugca uwufake umbala.



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

Titsini tinombolo?

Dvweba sitfombe.

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

Titsini tinombolo?

Dvweba sitfombe.

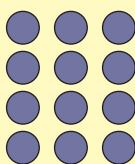




Lusuku:

Kwaba kuholela kumafrakishini

Nati tintfo-
tekubala
letili-12



Sibangani lababili. Sinekwekuphatsa
kunye kwehlukaniswe ngco kuhhafu.

Loku sitsi
yihhafu yinye.

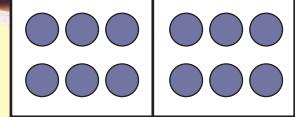


Loku sitsi
yihhafu yinye.



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? _____

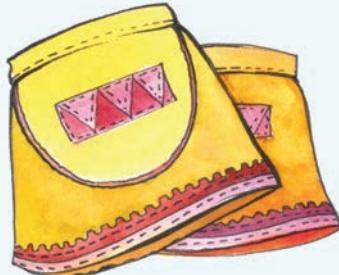


Tiketi tekudansa.

Bomake nabogogo benta tiketi tekudansa.

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

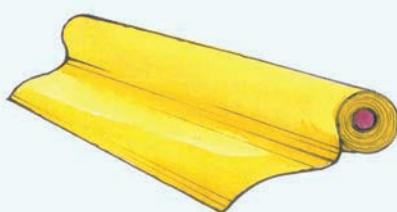
Indvwangu ibita R6 imitha.



- a. Tingakhi tiketi labangatenta ngendvwangu lengu?

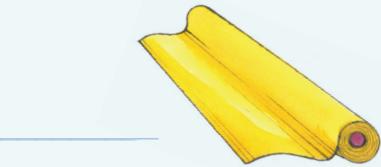
5 m _____ 10 m _____

20 m _____ 25 m _____



- b. Inganani indvwangu labayidzingako kwenta

2 wetiketi _____ 3 wetiketi _____ 4 wetiketi _____



- c. Ibita malini indvwangu kwenta

1 sikeri _____ 2 wetiketi _____ 3 wetiketi _____



- d. Tingakhi tiketi labangatenta nga

R450 _____ R825 _____ RI80 _____ ?



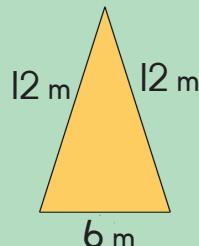
q4

Lusuku:

Ithemu 3



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



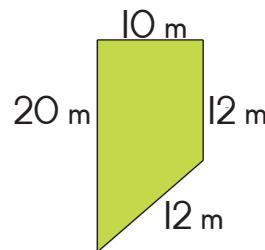
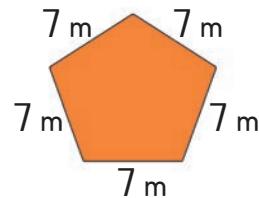
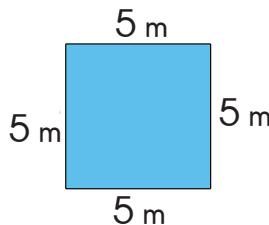
Umlimi unensimi lemacala ntsatfu.

Singawutfola umgegeleto walesivandzi ngekuhlanganisa bonkhe budze bemacala lehlukene.

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



Tfola lena migegeleto.



Ingadze ya Veronica.

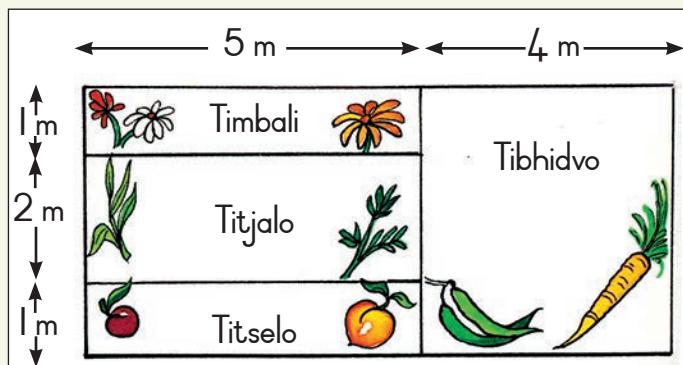
Veronica udvweba umfanekiso wengadze lafuna kuyilima.

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

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

_____ na _____ tinemgegeleto wa _____ m.

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





Lungisela yakakho ingadze.

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

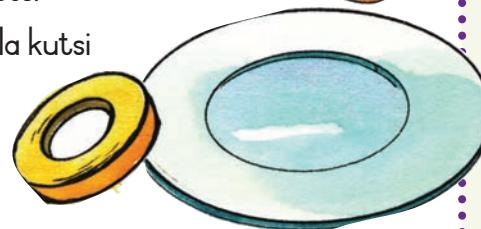
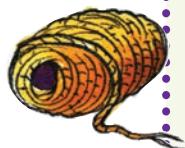


Kumeda tindilinga.

Sebenta nemlingani.

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

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



Libanga lekugegeleta indilinga libitwa ngekutsi
ngumgegeleto.



Libanga lelibhukule indilinga libitwa ngekutsi
sibhukula-mkhatsi.



q5a

Ithemu 3



Kuhweba ngemali

Lusuku:

Dlala lemidlalo nemlingani.

Kwekusetjentiswa:

RIOO RIO

RI IOc Ic



| 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 buhhehlulu.

Beka Libhodi leMali etafuleni.

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

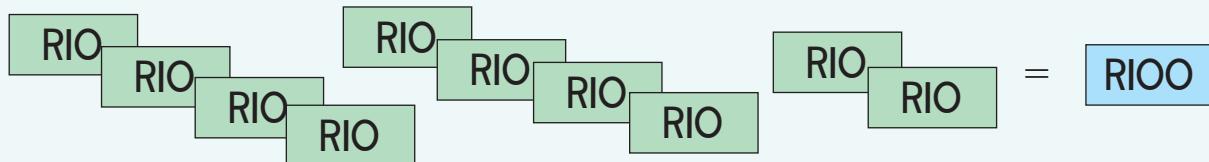


Hlanganisa kufike ku 100 wemaRandi.

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



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



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



Susa kusuka ku RIOO kufika ku RO.

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

| boRIOO | boRIO | boRI | IOc | Ic |
|--------|-------|------|-----|----|
| | | | | |



Kuhlanganisa neKususa ku RI OOO.

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



Kuhlanganisa kufika ku RI.

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



Susa emasenti.

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



q5b

Lusuku:

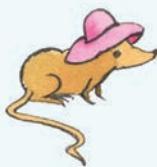
Asiyowutsenga!

Ithemu 3



Indali yetigcoko.

Lesitolo sitsengisa tigcoko ngetintsengo letehlukene ka 5.



| | | | | | | | Samba |
|---------------|------|------|------|------|------|------|-------|
| Sigcoko a | R20 | R20 | R20 | R20 | R20 | R20 | RI20 |
| Sigcoko b | R25 | R25 | R25 | R25 | R25 | R25 | |
| Sigcoko c | R50 | R50 | R50 | R50 | R50 | R50 | |
| Sigcoko d | R75 | R75 | R75 | R75 | R75 | R75 | |
| Sigcoko e | R100 | R100 | R100 | R100 | R100 | R100 | |

a. Tfola kutsi tibita malini tigcoko luhele ngalunye.

b. LaZondo utsenga luhlobo ngalunye lwasigcoko.

Ubhadala malini sekukonkhe? _____

Hholisa! Catsanisa!
Lungisa!

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

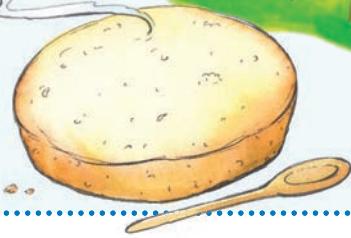
Ngutiphi letinye tigcoko latitsengako? Khombisa 2 waletinye timphendvulo longatitfola.

| Imphendvulo 1 | Imphendvulo 2 |
|---------------|---------------|
| | |



Ebhekari.

Musa usebentisa leresiphi kwenta likhekhe mafotjo.



Iresiphi yeLikhékhe-mafotjo

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

Kwekfaka emkhatsini: 140 ml ikhirmu

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

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

b. Faka lumphawu (✓) emphendvulweni lengiyo.

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



Hholisa!
Catsanisa! Lungisal!



Tibalo letisheshako.

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



96

Lusuku:



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

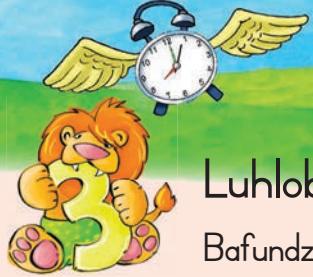
Lwesihlahla i-Arbor.  = 10 tihlahla

| | |
|------------|--|
| Klipspruit |  |
| Mthonjeni |  |
| Mpuluzi |  |
| Thuthong |  |
| Mosiba |  |

Tingakhi tihlahla sikolo ngasinye lesititjalako?

| | | | | |
|------------|-----------|---------|----------|--------|
| Klipspruit | Mthonjeni | Mpuluzi | Thuthong | Mosiba |
| | | | | |

Tingakhi tihlahla letatjalwa sikolo setitonkhe?



Luhlolo luni lweluphahla?

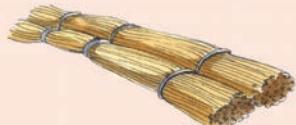
Bafundzi belikilasi lelibanga 3 benta luhlwayo esigodzini sangakubo.

Bafuna kwati kabanti ngetinhlobo teluphahla etindlini letehlukene.

Bakhombisa imiphumela yabo kulegrafu yelibhuloki.



Bafaka lumphawu (✓) ka-l 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!



97



Lusuku:



Kusebenta ngemasentimitha

Mudze kanganani lomugca lonembala?

Ithemu 4



Cala wente silinganiso bese ukala imigca.

Cedzela lithebula.

| Umugca | Silinganiso | Sikalo | Umehluko emkhatsini wekulinganisa nekukala |
|--------|-------------|--------|--|
| | | | |
| | | | |
| | | | |
| | | | |



Sebentisa irula kudvweba limigca lelandzelako.

a. 10 cm

b. 7 cm

c. 15 cm



Shano kutsi utawukala loku lokulandzelako ngemamitha noma emasentimitha.

a. Budze bencwadzi _____

b. Budze besivalo _____

c. Budze bepeniseli _____

d. Budze bakho _____

e. Budze bemuno wakho _____

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



Kulomnyaka usebentisa emapeniseli akho emibala.

Budze bemapeniseli bebungu 15 cm ungakawasebentisi

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



a. Nguyiphi ipeniseli loyisebentise kakhulu kunato tonkhe? _____

b. Nguyiphi ipeniseli loyisebentise kancane kunato tonkhe? _____

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



98

Lusuku:



Tinombolo 700 kuye ku 800

Ithemu 4



Bala ubhale.

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

700



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

b. Bhala tinombolo letishiyiwe kulegridi ngetulu.

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

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

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

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

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

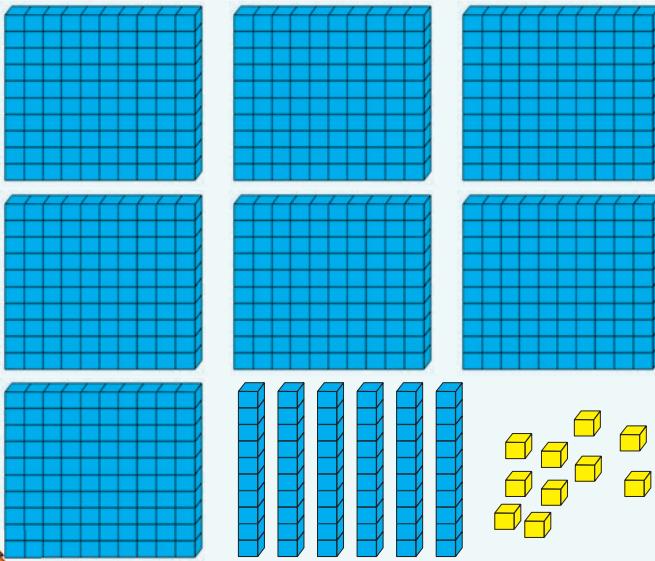
751; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 773

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

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



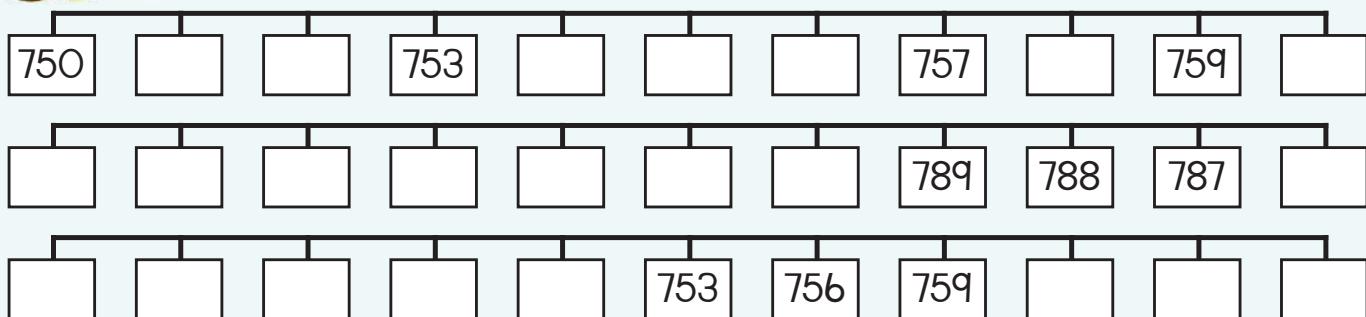
Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulokuncane
kakhulu kuye kulokukhulukati.

Bhala kusuka kulokukhulukati
kuye kulokuncane kakhulu.

776, 772, 779, 770, 778

736, 703, 730, 713, 703



Bhala lokulandzelako ngemagama.

788

Teacher:

Sign:

Date:

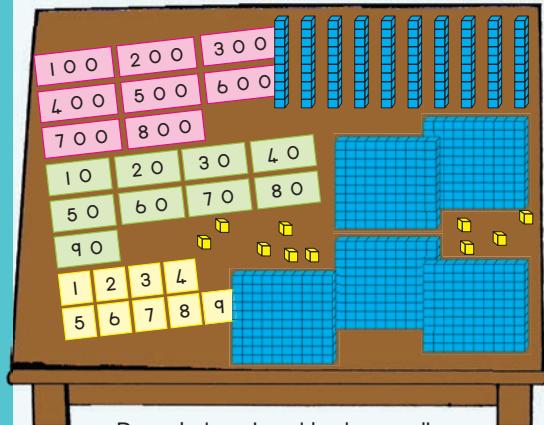
qq



Lusuku:

Kabantu ngetinombolo kusuka ku 700 kuya ku 800

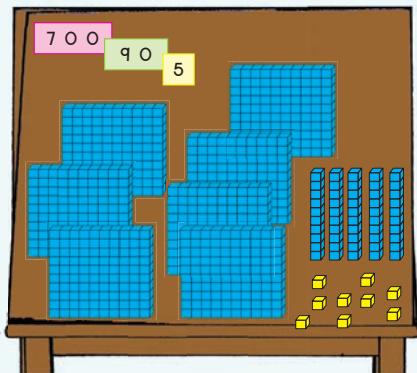
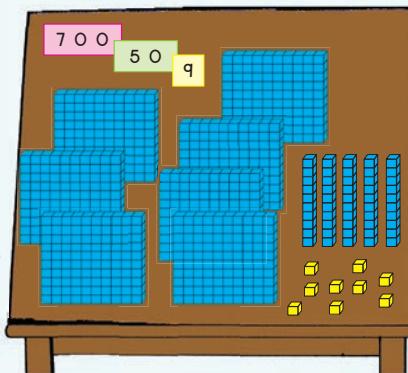
Ithemu 4



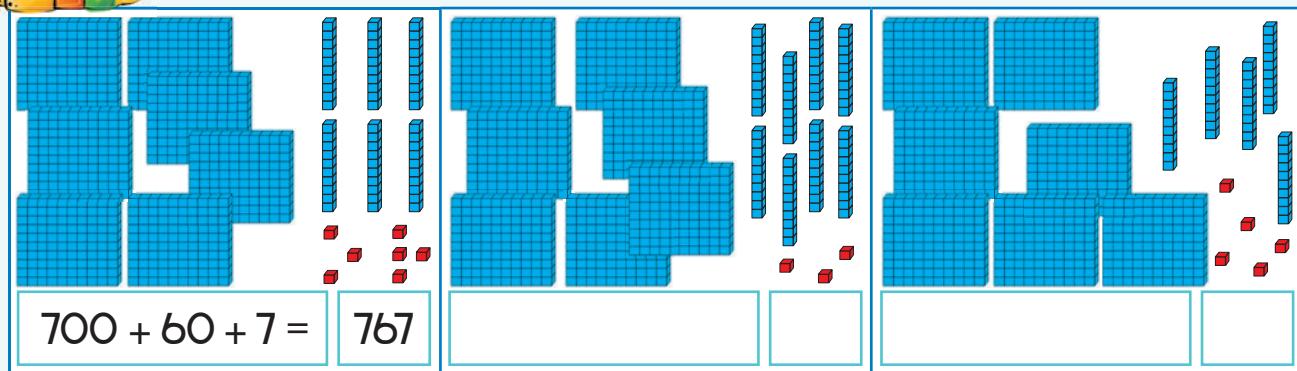
Peter bekandalamakhadi emandla-sikhundla lalandzelako kanye nemabholoki laleshumi

Thishela wacela Peter kutsi akhombise 759 ngemakhadi akhe nangemabholoki.

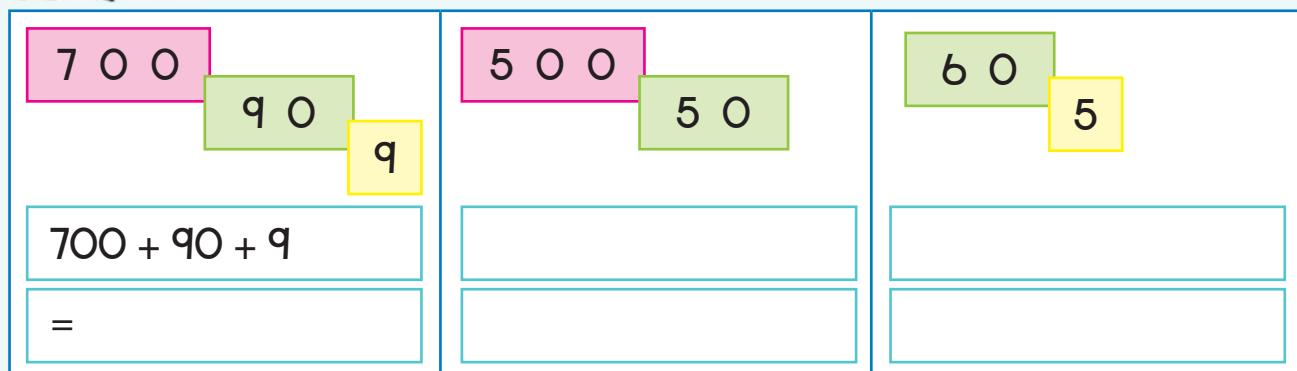
Naku lokukhonjiswe nguPhilani.
Yini layonile?



Bhala umusho-nombolo bese ubhala imphendvulo.

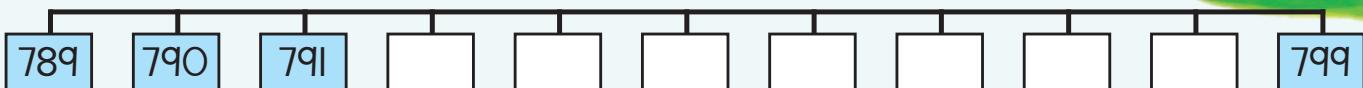


Bhala umusho-nombolo bese ubhala imphendvulo.





Cedzela umugca-nombolo.



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.

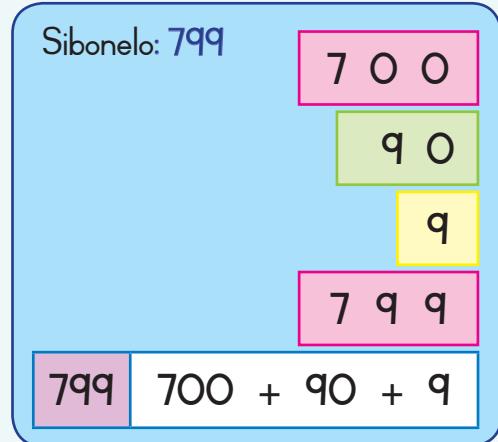
- Yakha inombolo ngayinye ngemakhadi akho.
- Bhala emandla enhlavu-nombolo ngayinye. Nyalo yenta loku: Vutfuta inombolo yakho.

| | |
|-----|--|
| 790 | |
| 689 | |
| 699 | |
| 755 | |
| 690 | |



Bhala tinombolo-magama.

| | |
|-----|--|
| 668 | |
| 757 | |
| 799 | |
| 742 | |
| 691 | |



100



Lusuku:

Tinombolo 800 kuye ku 900

Ithemu 4



Bala ubhale.

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

800



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

- b. Bhala tinombolo letishiyekile kulegridi ngetulu.
c. Bhala li-10 letinombolo letita emva kwa 800.

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

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

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

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

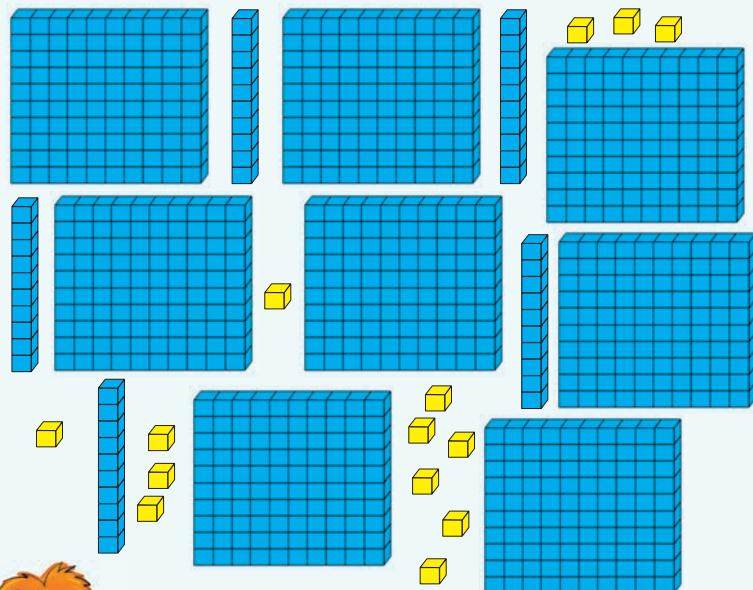
807; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 829

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

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



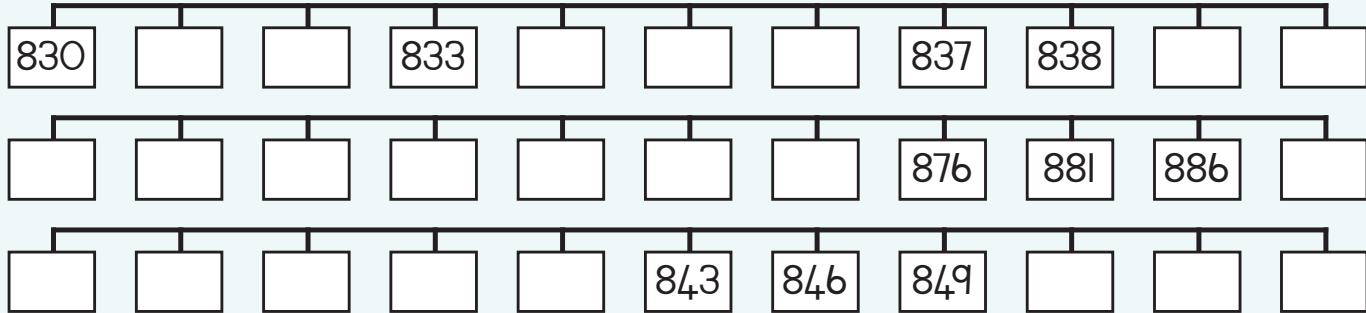
Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.



Cedzela
lithebula.

Bhala kusuka kulencane
kakhulu kuye kulenkhulukati.

Bhala kusuka kulenkhulukati
kuye kulencane kakhulu.

856, 853, 855, 851, 857

898, 801, 810, 819, 891



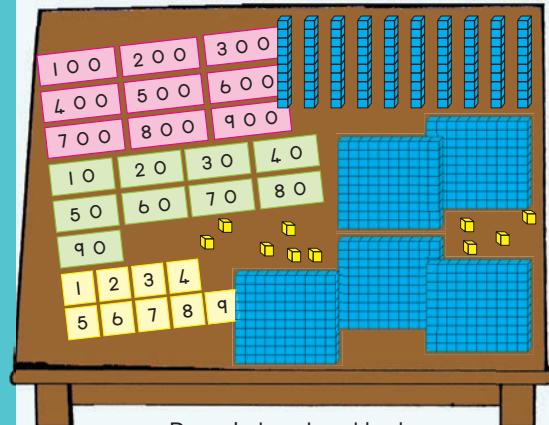
Bhala lokulandzelako ngemagama.

845

Teacher:
Sign:
Date:

Kabanti ngetinombolo

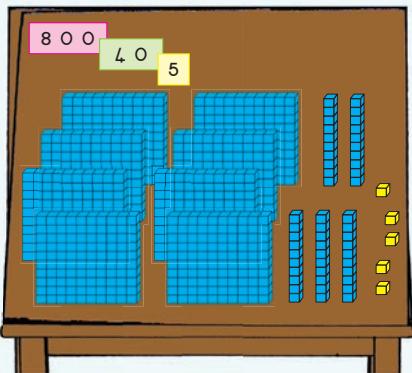
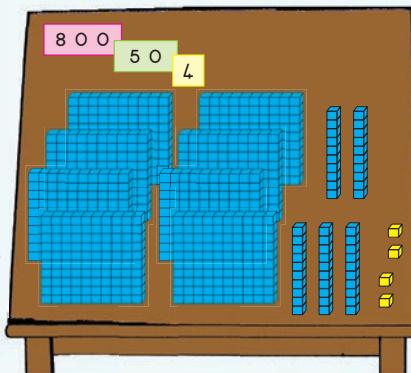
kusuka ku 800 kuya ku 900



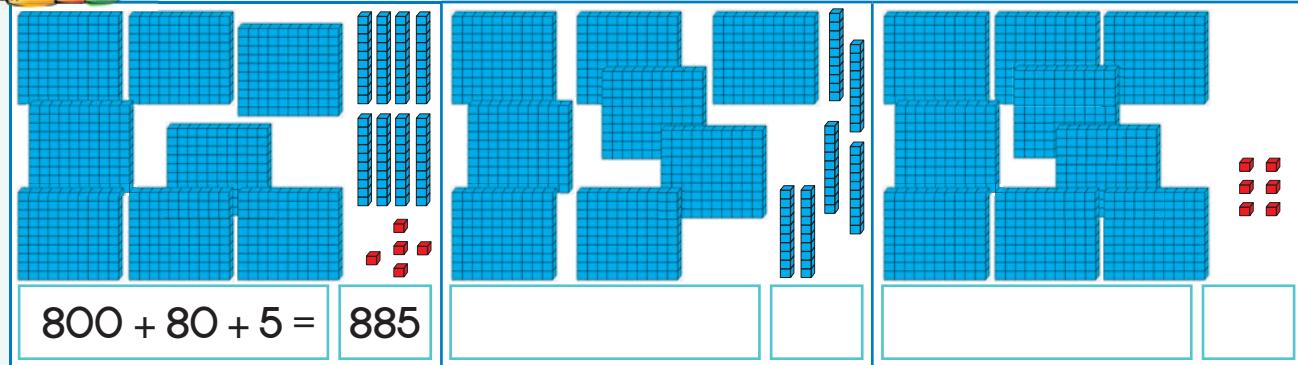
Peter bekalamakhadi
emandla-sikhundla lalandzelako
nemabhlولي laishumi.

Thishela wacela Peter kutsi
akhombise 854 ngemakhadi akhe
nangemabhlولي

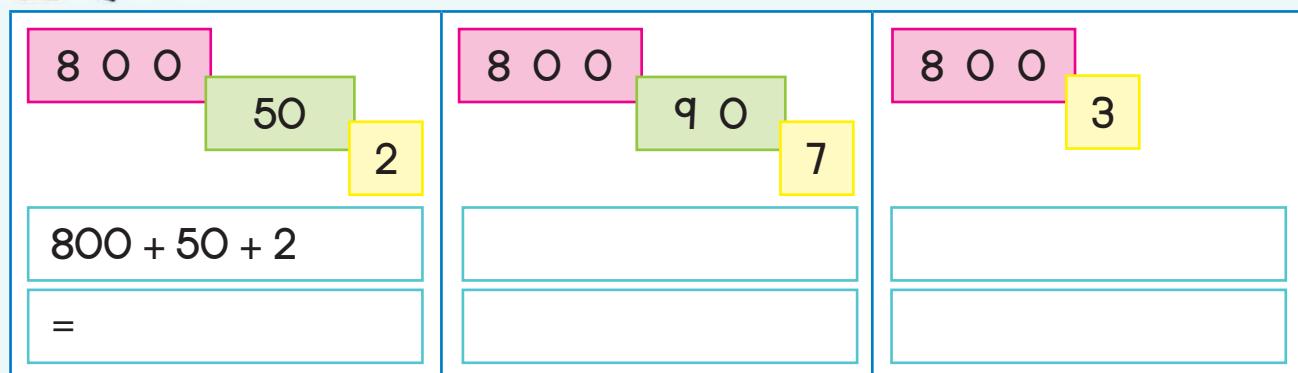
Naku lokukhonjiswe nguPhilani.
Yini layonile?



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 =

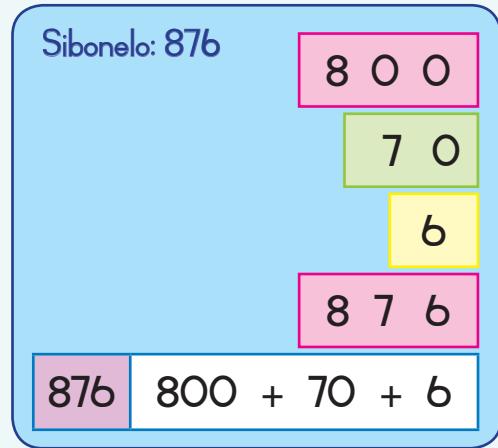
- a. 899 898 b. 802 820
 c. $900 + 70 + 5$ 785



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 | |



Bhala tinombolo-magama.

| | |
|-----|--|
| 889 | |
| 825 | |
| 803 | |
| 830 | |
| 899 | |



102a



Lusuku:

Kukala tintfo

Ithemu 4



Bukisia titfombe letilandzelako uphendvule imibuto.



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



Senta sisindvo sini sesisonkhe ndzawonye?

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



Sitsini sisindvo semikhicito seyindzawonye?

Semkhicito 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.

1,5 kg uyafana na
1 kg na 500 g.



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



Ngingambala kanjani 3,5 kg
ngemakhilogrammu
nangemagremu?



Cedzela lithebula.

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

| Info | Silinganiso | Sikalo | Umehluko emkhatsini wesilinganiso nesikalo |
|------|-------------|--------|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



Sitsini sisindvo semikhicito seyiyonkhe?

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





Lusuku:

Asichübeke 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.

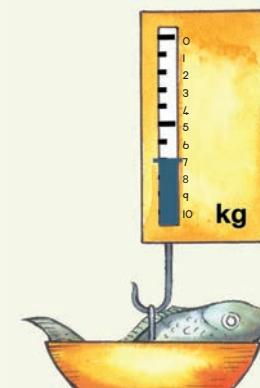
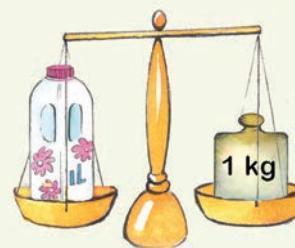
Emhlabeni emisebentini yamalanga onkhe sisebentisa tikalo letifanako kukala kwesindza nesisindvo. Sikala kwesindza **ngemakhilogrammu nangemagremu**.

Tikali letehlukene

Sisebentisa tinhlobo letehlukene tetikali kukala kwesindza nesisindvo.

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

Ilitha yemanti inekwesindza kwa 1 kg.

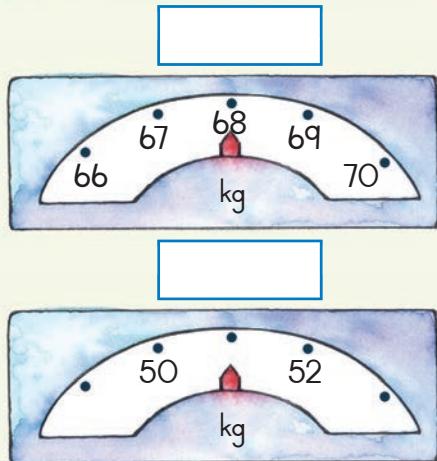
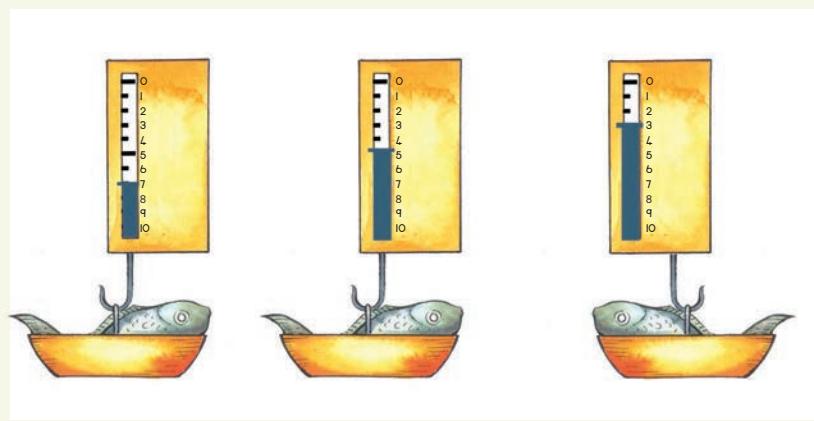
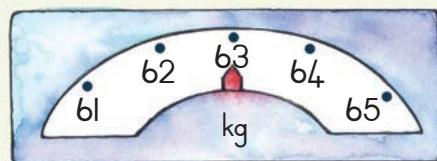


Lenhlanti inesisindvo sa 3 kg.



Tfola sisindvo saloku.

Bhala sisindvo ngema kg lakhonjiswa kuleso naleso sikali-magcuma.

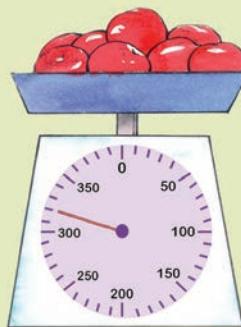




Sisebentisa emagremu kukala kwesindza kwetintfo letincane noma letimelula nekukala emafrikishini elikhilogremu.

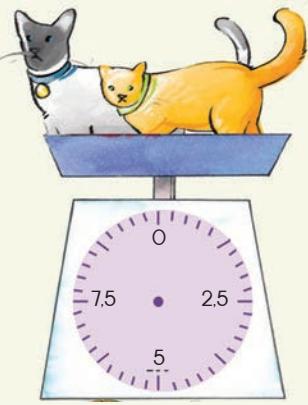
$$1000 \text{ g} = 1 \text{ kg}$$

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

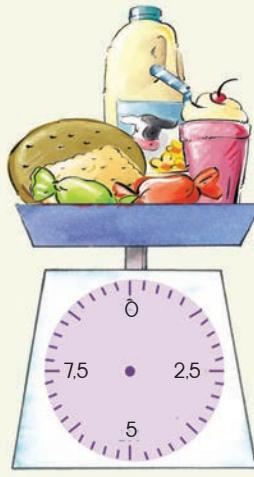


Kwesindza kanganani?

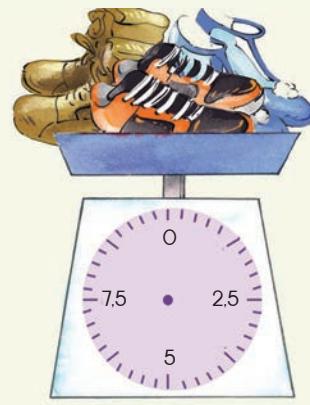
Dvweba lapho butjoki kufute buye khona sonkhe sikhatsi esikalini.



7 kg



4 kg



6 kg



Yenta likhilogremu

Hlanganisa uchubeke kwenta **1 kg** (**1 000 g**)

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



Teacher:
Sign:

Date:

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Lusuku:

Ithemu 4

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.

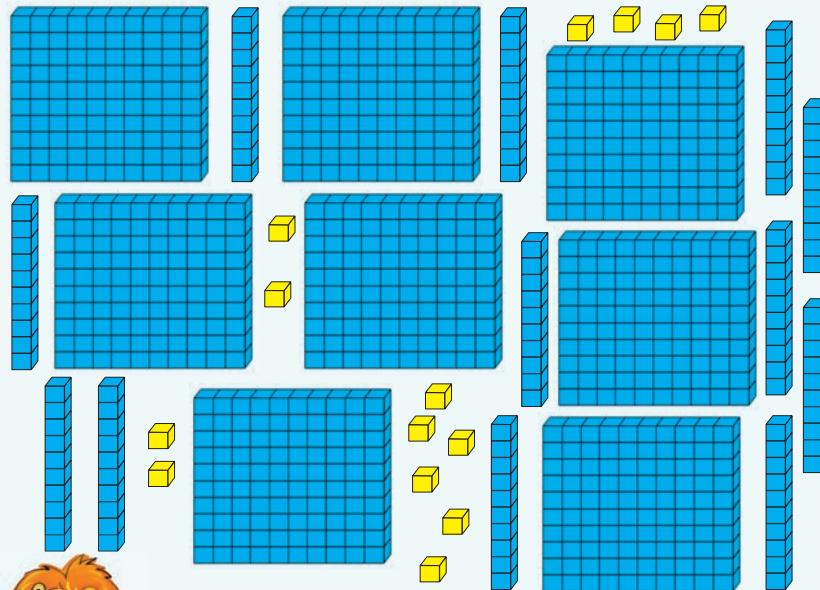
945; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; _____ ; 967

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

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



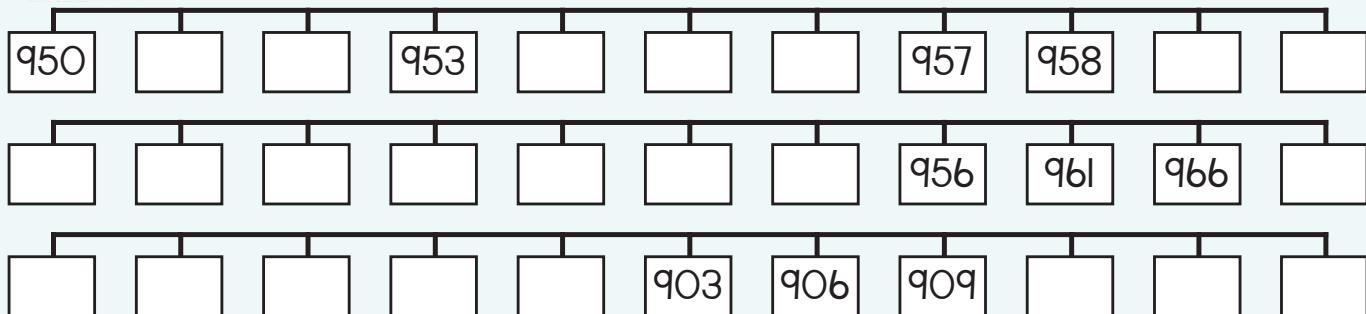
Ubale mangakhi emabhuloki?



Uwabale njani lamabhuloki?



Cedzela imigca-nombolo.



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:

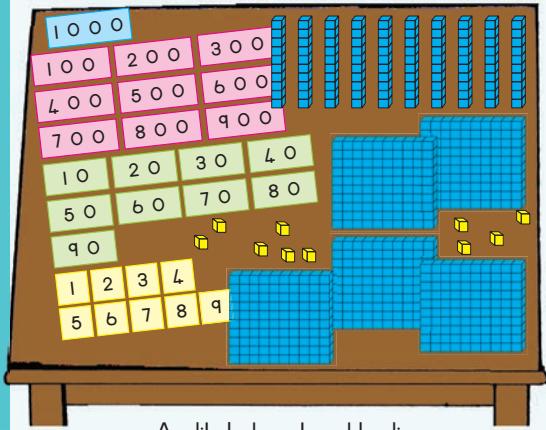
Sign:

Date:

Kabantu ngetinombolo

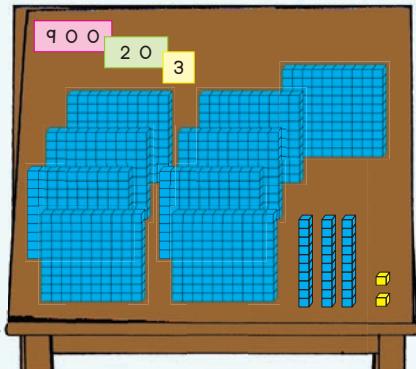
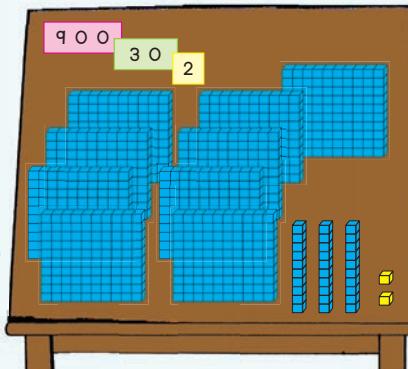
kusuka ku 900 kuya ku 1 000

Lusuku:



Thishela wacela Andile kutsi
akhombise 932 ngemakhadi
akhe nangemabhluloki.

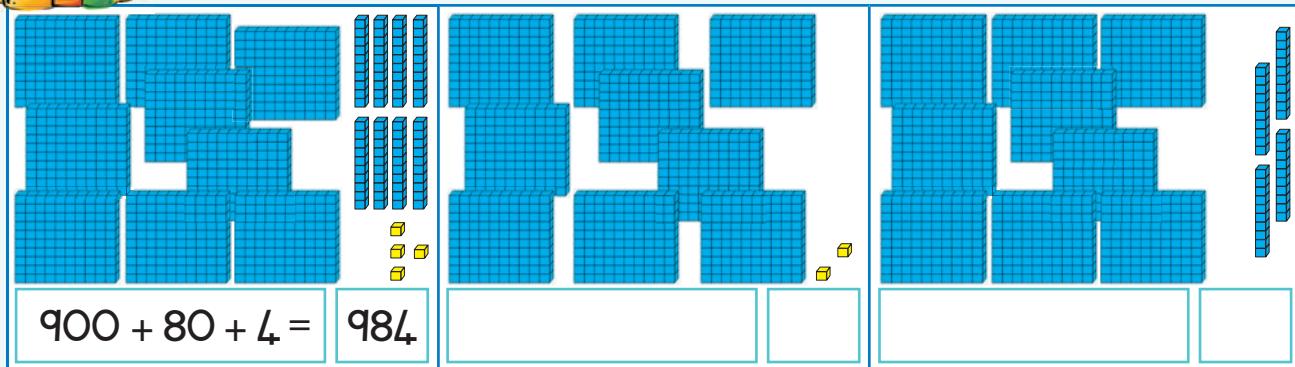
Naku lokwakhonjiswa nguGugu.
Uphazame kuphi?



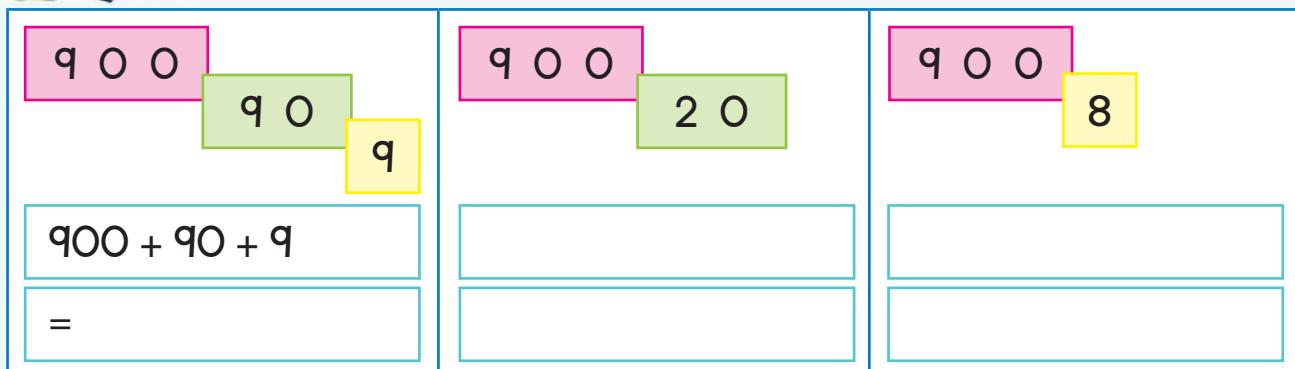
Andile bekalamakhadi
emandla-sikhundla lalandzelako
nemabhluloki lalishumi.



Bhala umusho-nombolo bese ubhala imphendvulo.



Bhala umusho-nombolo bese ubhala imphendvulo.





Cedzela umugca-nombolo.

989 990 991 999

Nginikete tonkhe tinombolo letincane kuna 995. _____

Nginikete tonkhe tinombolo letinkhulu kuna 995. _____



Gcwalisa <, > noma.

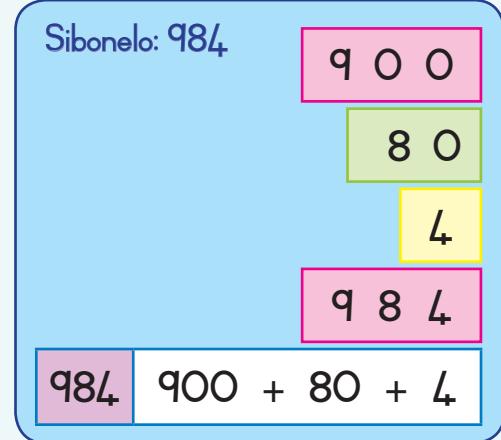
- a. 999 _____ 998
 b. 957 _____ 975
 c. $900 + 60 + 1$ _____ 961



Vutfuta inombolo yakho.

- a. Yakha inombolo ngayinye ngemakhadi akho.
 b. Bhala emandla aleyo naleyo **inhlavu-nombolo**. Nyalo yenta loku: Vutfuta inombolo yakho.

| | |
|-----|--|
| 922 | |
| 959 | |
| 980 | |
| 907 | |
| 931 | |



Bhala tinombolo-magama.

| | |
|-----|--|
| 976 | |
| 905 | |
| 950 | |
| 821 | |
| 909 | |



105

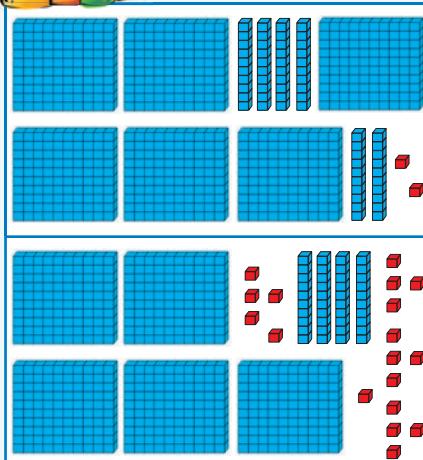
Kuhlanganisa nekususa kuye ku 999

Lusuku:

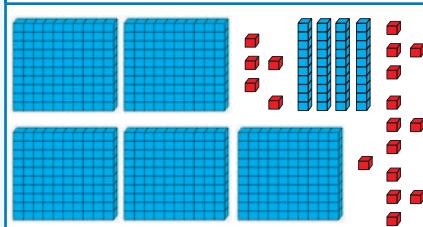
Ithemu 4



Bhala umusho-nombolo waloko naloko.



Chaza kutsi uwabale njani emabhaluki?



Chaza kutsi uwabale njani emabhaluki.



Sebentisa sibonelo kukucondzisa.

5 0

5 0

imphindza-mbili ya
50 ngu 100

3 0 0

3 0 0

2 0 0

2 0 0

3

3



Sebentisa basamphindza-mbili kusombulula lokulandzelako.

Sebentisa sibonelo kukucondzisa.

a. $43 + 44 =$

phindza 43 + 1

$43 + 43 + 1 = 87$

b. $81 + 41 =$

c. $40 + 41 =$

d. $66 + 67 =$



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

a. Phindza 340

$$= 340 + 340$$

$$= \text{Phindza } 340$$

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

$$= 600 + 80$$

$$= 680$$

b. $340 + 341$

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

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

$$= 600 + 80 + 1$$

$$= 681$$

c. $470 + 470$

d. $461 + 462$



Sombulula lokulandzelako:



BeLibanga 2 bacokelele 360 wetimabula.

BeLibanga 3 bana 216 wetimabula ngaphasi kwabeLibanga 2.

Tingakhi timabula beLibanga 3 labanato?

| |
|----------|
| Teacher: |
| Sign: |
| Date: |

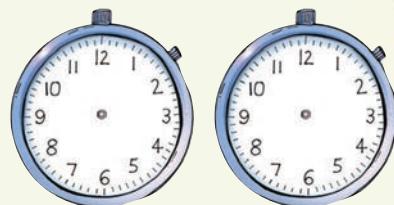


Lilanga lekubhaka.

Ncane Phindi ubhaka likhekhe ku-avini yakhe.

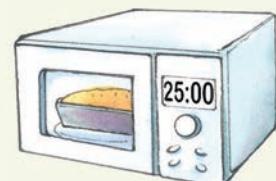
Khombisa sikhatsi kulamawashi.

Ufaka likhekhe ngakota phasi 4.



Litsetse sikhatsi lesinganani likhekhe kuvutfwā?

Make wa-Ana usebentisa imakhowevi avini. Iyasheshisa.



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

Litawuvutfwā 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 yemgezelō | 10:00 | 10:25 | |
| Hlobisa emakamelo | 11:30 | 12:15 | |



Nisela ingadze.

Litfumbu lemanti lingasebentisa kufika ku **30 emalitha**
emanti nga l umzuzu!

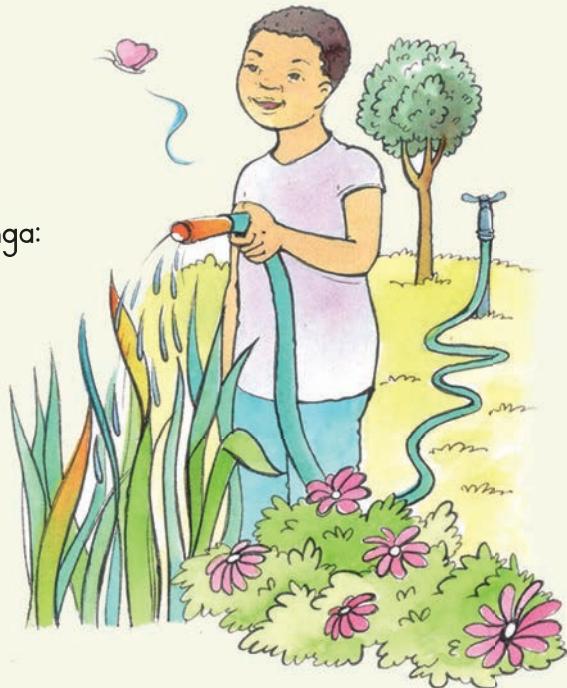
Mangakhi emalitha emanti litfumbu lelingawasebentisa nga:

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 | ? |
| | | | | | | |
| 98 ml | 122 ml | 108 ml | 117 ml | 109 ml | 135 ml | ? |

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

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

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

Abita malini emabhodlela lama 4? _____.

Hholisia!
Catsanisa! Lungisia!



Kusebenta ngemali



Bala buhhehlu nemaphepha.

| | | |
|------------------------|------------------------|------------------------|
| $10 \times$ = R _____ | $20 \times$ = R _____ | $50 \times$ = R _____ |
| $10 \times$ = R _____ | $20 \times$ = R _____ | $50 \times$ = R _____ |
| $10 \times$ = R _____ | $20 \times$ = R _____ | $50 \times$ = R _____ |
| $10 \times$ = R _____ | $20 \times$ = R _____ | $50 \times$ = R _____ |
| $10 \times$ = R _____ | $20 \times$ = R _____ | $50 \times$ = R _____ |
| $100 \times$ = R _____ | $100 \times$ = R _____ | $100 \times$ = R _____ |
| $100 \times$ = R _____ | $100 \times$ = R _____ | |

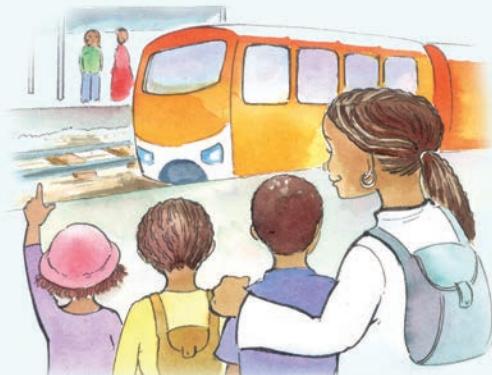


Luhambo lwestimela.

Kgethi nebantfwana bakhe laba-3 bagibela sitimela.

Labadzala nebantfwana babhadala ngekufana.

Kgethi ubhadala ngemaphepha.



Utfola R30 intjintji.

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

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

Hlolisa!
Catsanisa!
Lungisa!



Spaza sa Sandile.

Sandile ubhala emanani emali layitfolako ngelithebula.

Ucale ente silinganiso, bese uyakhakhuletha abale imali yakhe

lengena malanga onkhe. Imali lengenako yimali lesiyiholako noma lesiyemukelako.

Sita Sandile kucedzela kubala kwakhe kwekukhakhuletha. Bhala timphendvulo takho ethebuleni:

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



Bala kahle intjintji.

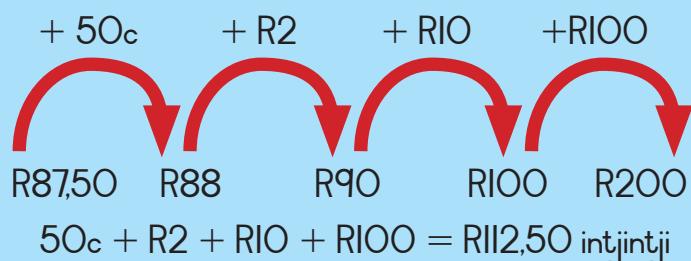
Kutfola intjintji yakho ungaahlanganisa uchubeke kusuka kulentsengo yetinfo
kuye emalini yemaphepha loyikhiphako.

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 wetinanyatsiselo.

Mandla umnike 501 wetinanyatsiselo ngetulu.

Tingakhi tinanyatsiselo lase anato-ke nyalo?

Utsini umbuto?

Tingakhi tinanyatsiselo lase anato-ke nyalo?

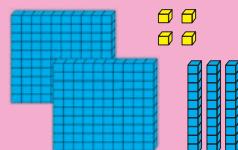
Litsini ligama-nsika? ngetulu

Ngutiphi letinombolo? 234 na 501

Ase sikhombise loku ngemabhuloki et.fu esisekelo-shumi.

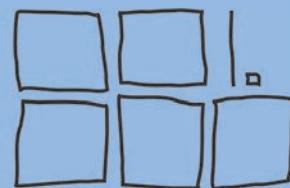


Naku Lisa lakwentile
kusombulula inkinga yaGugu.



Naku lokwentiwe ngu-Aakar.

Wente umdvwebo.



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

Sebentisa lenombolo kusombulula lesibalo-nkinga kusombulula ngentasi usebentisa letindela 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 lase aticokelele?

Utsini umbuto?

| | | | | |
|-----------------------|---|------------|------|--|
| Ngutiphi letinombolo? | Litsini ligama-nsika? Faka lumphawu emphendvulweni lengiyo. Ligama-nsika lisitjela kutsi: <table border="1"><tr><td>Hlanganisa</td><td>Susa</td><td></td></tr></table> | Hlanganisa | Susa | |
| Hlanganisa | Susa | | | |
| Yenta umdvwebo. | Sebentisa yakakho indlela kusombulula lesibalo-nkinga. | | | |

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

Utsini umbuto?

| | | | | |
|-----------------------|---|------------|------|--|
| Ngutiphi letinombolo? | Litsini ligama-nsika? Faka lumphawu emphendvulweni lengiyo. Ligama-nsika lisitjela kutsi: <table border="1"><tr><td>Hlanganisa</td><td>Susa</td><td></td></tr></table> | Hlanganisa | Susa | |
| Hlanganisa | Susa | | | |
| Yenta umdvwebo. | Sebentisa yakakho indlela kusombulula lesibalo-nkinga. | | | |



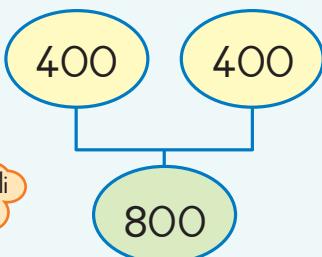
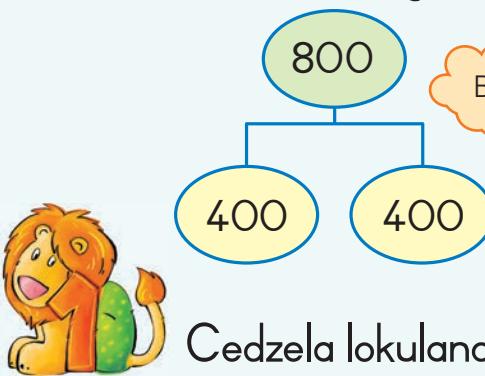
109

Kuhlanganisa

nekususa kufika ku 999 njalo

Ithemu 4

Bukisia lemidvwebo uyichaze.



Cedzela lokulandzelako:

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

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



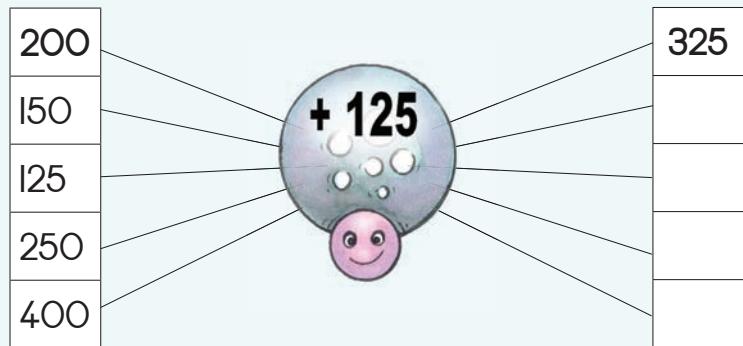
Bhala tinombolo

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

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



Hlanganisa 125





Yini leyenta i-1 000?

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

Tfola iminden-i-nombolo yabo + na –

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



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

Hholisia!
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:

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



110



Lusuku:

Ithemu 4

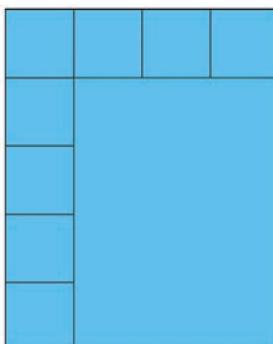


Tfola i-eriya

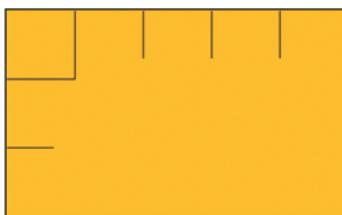
Tingakhi tikwele talesayizi lotidzingako kuvala yilili sakhiwo ngasinye?

Sebentisa yakakho indlela kutibala kahle. Ungadvweba tikwele etitfombeni kukusita ubale kahle.

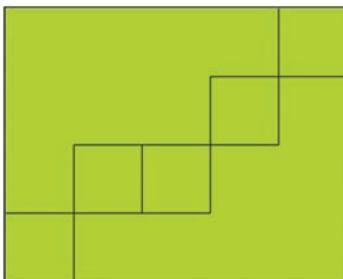
a.



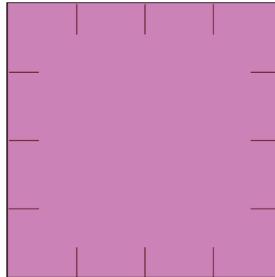
b.



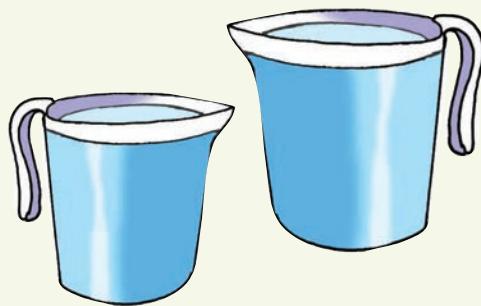
c.



d.



Sombulula lesiphicwano



Ufuna kukala kahle ngco 4 emalitha emanti.

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

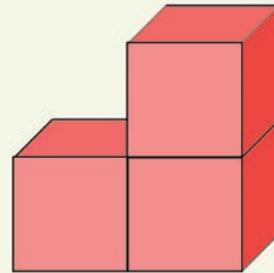
Licebo: kunatimbili tindlela cishe longatisebentisa.



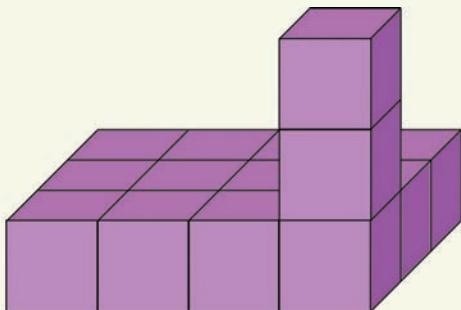
Ubonani?

Emabhaluki lamatsatfu ananyatseliswe ndzawonye
njenga kulesitfombe.

Uma uphakamisa lamabhaluki lahlanganiswe
ndzawonye tingakhi tikwele longatibala
ngephandle? _____



Bala emakhubhu



Mangakhi emakhubhu 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!





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 ngaloku bovu : Kubala ngabo _____. | Bhala phasi lephethini: _____ |
| Letibiyelwe ngaloku uhlata : 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 |



Emahele etindvuku.

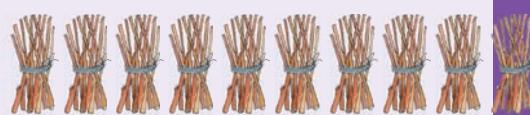
Kunelishumi letinyandza tetindvuku eluheleni = 100 tindvuku

1 emahele a 10 tinyandza = 100 tindvuku

2 emahele a 10 tinyandza = _____ tindvuku

4 emahele a 10 tinyandza = _____ tindvuku

10 emahele a 10 tinyandza = _____ tindvuku



$$10 \times 10 = 100$$

$$20 \times 10 = _____$$

$$40 \times 10 = _____$$

$$100 \times 10 = _____$$



700 wetindvuku wenta _____ tinyandza.

900 wetindvuku wenta _____ tinyandza

1000 wetindvuku wenta _____ tinyandza.



Teacher:
Sign:
Date:

112



Ithemu 4

Kusonga usondzete eshumini

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



Khumbula kubukisia
emayunithi nawusonga
usondzeta ku 10 losedvute.

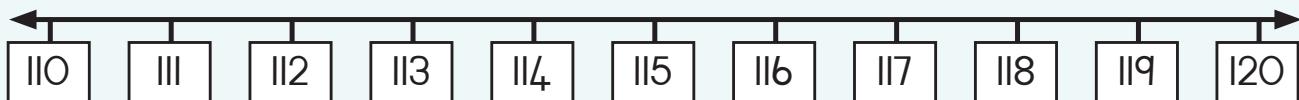


Songa usondzete ku 10 losedvute.



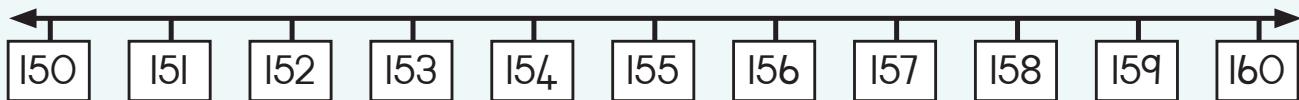
I14 nakasongiwe ngu? _____

I17 nakasongiwe ngu? _____



I159 nakasongiwe ngu? _____

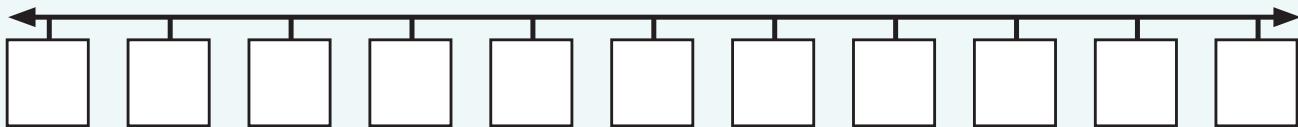
I151 nakasongiwe ngu? _____



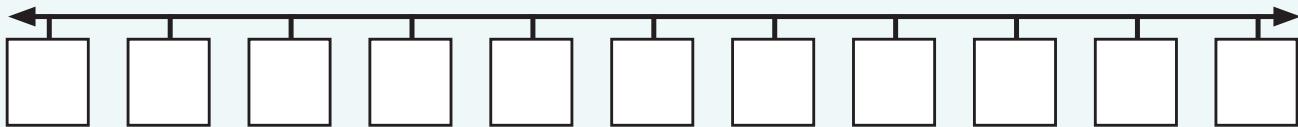
Songa kuye ku 10 losedvute.

Dvweba wakakho umugca-nombolo.

I95



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 b. 583 c. 415 d. 848 e. 612

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



Ngidzinga bangakhi bo RIO labaliphepha?

Mbali nebangani bakhe labasi-8 baya emcimbini wekutijabulisa esikolweni.

Lomgidvo ubita R4 umuntfu amunye. Mbali wonge imali wakhetsa kubhadalela bangani bakhe. Uye ku-ATM kuyowukhipha imali. Le-ATM ikhipha imali lemaphepha nje kuphela. Udzinga bangakhi bo RIO labamaphepha?



Kuphindzaphindza

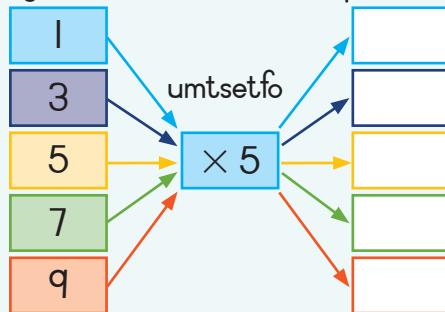
nekwehlukanisa: tihlanu kufika ku 100

Lusuku:



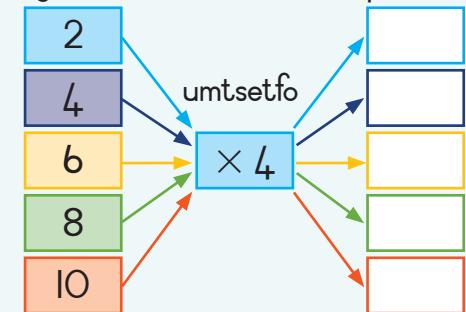
Cedzela lelithebula lelingantasi:

kungena



kuphuma

kungena



kuphuma



Cedzela lelithebula lelingantasi:

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



Khakhuletha:

$$12 \times 5$$

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

$$11 \times 5$$

$$13 \times 5$$

$$\begin{aligned}
 &= (10 + 3) \times 5 \\
 &= 50 + 15 \\
 &= 50 + 10 + 5 \\
 &= 65
 \end{aligned}$$



$$45 \div 5$$

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

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

$$= 8 + 1$$

$$= 9$$

$$75 \div 5$$

$$48 \div 5$$

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

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

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

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



Sombulula tibalo-nkinga letilandzelako:

Ingadze yetibhidvo ina 14 wemahelle etitjalo.

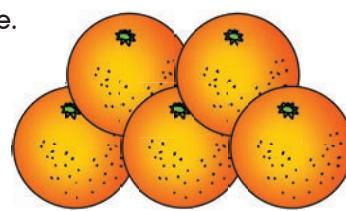
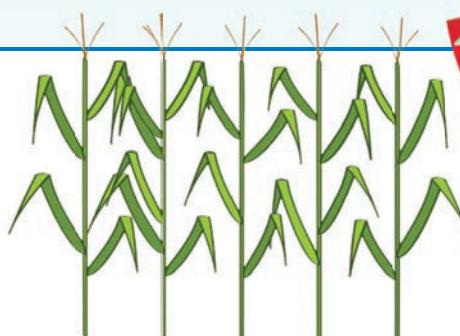
Luhele ngalunye lunelinani lelifanako letitjalo.

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

David utsengisa emasaka lanesihlanu sema-orintji lilinye.

Una 85 ema-orintji.

Mangakhi emasaka langawagcwalisa?



Emaphethini nombolo: tihlanu kufika ku 1 000

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 ngaloku lingangane : | Kubala ngabo _____. |
| Bhala phasi lephethini: | |
| Letibiyelwe ngaloku samsobo : | Kubala ngabo _____. |
| Bhala phasi lephethini: | |



Khakhuletha.

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



Libhodi letinombolo 901 kuye ku 1 000.

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



Gewalisa tinombolo letishiyekile.

Yini umehluko emkhatsini waletinombolo letiluhlata naletisamsobo eluheleni lunye?



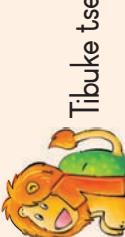
Cedzela emaphethini.

| | |
|--------------------------------|----------|
| Uuyajibona 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, _____ | |



15

Sichubeka ngemugca-sibuko



Tibuke tsekwané.

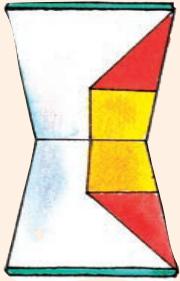
Dala nemlingani usebenetisa yinge yemasethi etimpheca temathayili (letina $\frac{1}{4}$ wetincetu) kusuka kuLokutskiwe 10.

Umdlai ngamunye unahafu wetincetu (7 wetincetu) tabobunjwa bermathayili-mpheca.
Kute nalunye lucetu lokufute lufane nadolunye.

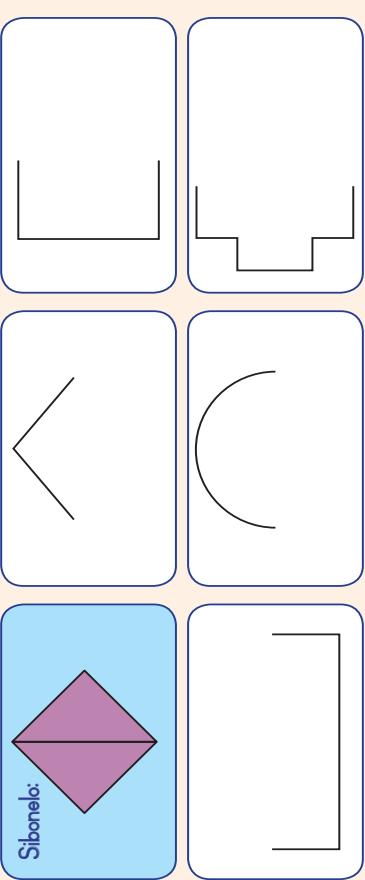
Dwweba umugca uhambé ngco emkhatsini welpheshana. Loku kutaba ngu "mugca mafanisa".

Umdlai wekucala ubeka lunye lwetincetu takhe madvute nemugca.

Kufute lutsintse umugca noma munye wabobunjwa lase bavele babekeiwe.

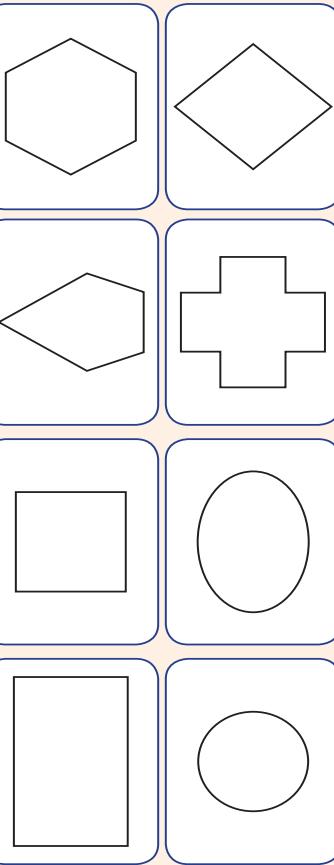


Dwweba lela leinye licala labunjwa.
Chubeka ukhombise lomugca wemugca-sibuko.

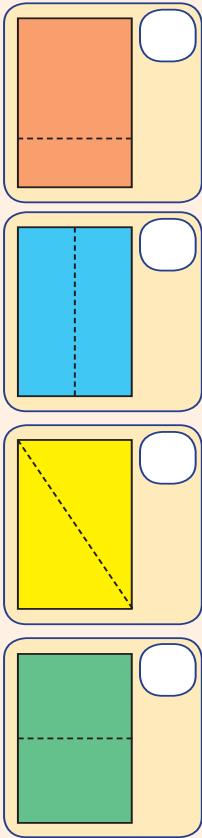


Sibono:

Dwweba imigca yemugca-sibuko kuloku lokulandzelko:



Faka lumphawu (✓) bobunjwa labanemigca lengjo yemugca-sibuko.



12 13 14 15 16 17 18 19 20



12 13 14 15 16 17 18 19 20

Emaphethini nombolo: ngakubili kufika ku 900

Ase sibale ngethihlanu kusuka ku 802 kuyé 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 lesiujkhanjiswa tinombolo letibiyelwe?

Letiujjewe ngalokulinggaane

Bhalaphasi lephethini

Ledinembala lojhidata

Bhalaphasi 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. $846 - 2 - 2 - 2 =$ _____

Bomashiyana nabomalinganisa.

a. Dwewebe (X) eceleni kwetinombolo mashiyana na (✓) eceleni kwetinombolo malinganisa.

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

b. Phendvula nga malinganisa nomá mashiyana.

Hlanganisa tumbili tinombolo mashiyana. Utfolé inombolo

Hlanganisa tumbili tinombolo malinganisa. Utfolé inombolo

Uhlanganisa tintsatfu tinombolo mashiyana. Utfolé inombolo

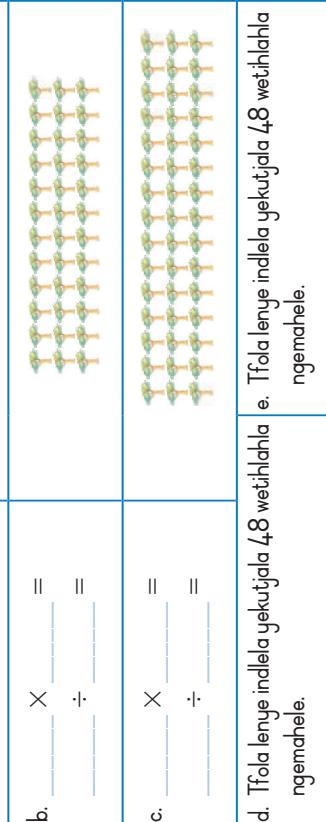


Kutjala tihlahla.

Lena ngulenyengetindlela tekutjala 48 wetihlahla ngemahela lalingandako.

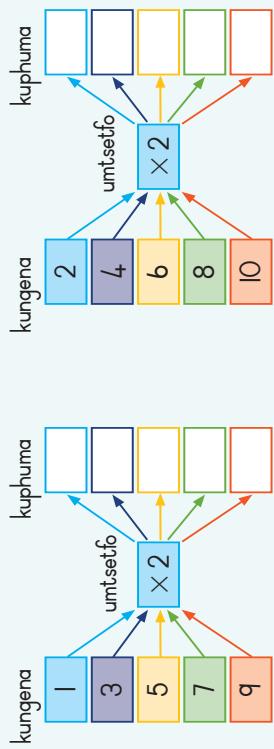


Singabhalo: $2 \times 24 = 48$ (2 emahela a 24 wetihlahla = 48) nomá $48 \div 2 = 24$ (48 wetihlahla tibekwe nga 2 emahela lalingandako kunketa 24 wetihlahla ngeluhela). Bala emahela netihlahla esitfombeni ngasinyengetasi. Bhala \times na \div ngemusho-nombolo kucondanzana.



Kuphindzaphindza nekwehlukaniisa: ngakubili kufika ku 100

Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:



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

Khakhuletha:



$$12 \times 2$$

$$= (10 + 2) \times 2 \\ = 20 + 4 \\ = 24$$

$$11 \times 2$$

$$= (10 + 1) \times 2 \\ = 20 + 2 \\ = 22$$

$$22 \times 2$$

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

$$46 \div 2$$

$$= (40 + 6) \div 2 \\ = (40 \div 2) + (6 \div 2) \\ = 20 + 3 \\ = 23$$

$$47 \div 2$$

$$= (40 + 7) \div 2 \\ = (40 \div 2) + (7 \div 2) \\ = 20 + 3 \text{ umsalala} \\ = 23 \text{ umsalala}$$



Sombulula tibalo-nkinga letilandzelako:

Ingadze yetibhidvo ine-32 emahela etitjalo.

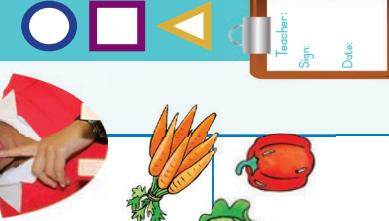
Luhle ngalunye luna 2 titjalo.

Tingakhi titjalo kulengadze?

Ingadze yetibhidvo ine-40 emahela etitjalo.

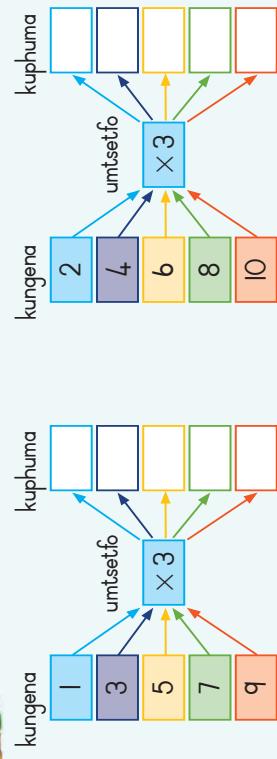
Onkhe emahela anenombolo lelimanako yetitjalo.

Uma titjalo setitjalo khe tingema-80, tingakhi eluheleni ngalunye?



Kuphindzaphindza nekwehukanisa: ngakubili kufika ku 100

Cedzela lelithebula lelingantasi:



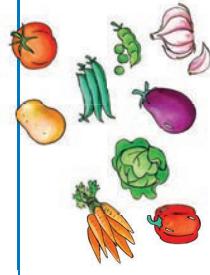
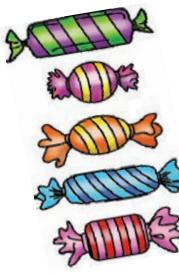
Cedzela lelithebula lelingantasi:

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



Khakhuletha:

| | |
|---------------|---------------|
| 12×3 | 11×3 |
| | |
| 17×3 | 19×3 |
| | |



Marlene una 30 wemaswidi.

Loku kuphindzake kafishumi kwengca loko landko Jakobhe.

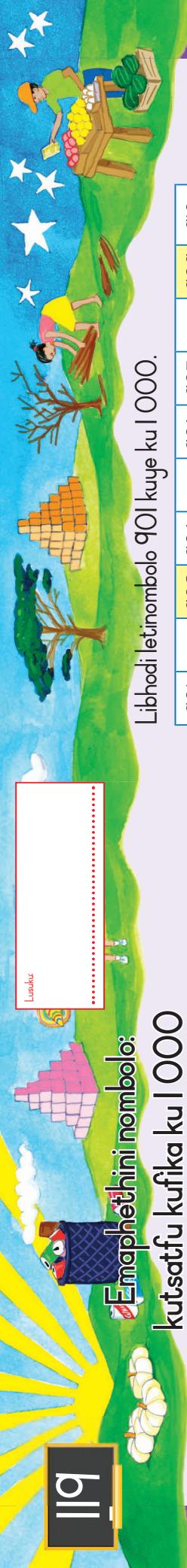
Mangakhi emaswidi lanawo Jakobhe?

Ingadze yetibhidvo ina 29 emahalele etitjalo.

Luhela ngalunye luna 3 wetutjalo.

Tingakhi titjalo letikhona engadzeni?





11q

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 |

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 |
| 921 | 922 | 924 | 925 | 927 | 928 | 929 | 930 | 931 | 932 |
| 931 | 933 | 934 | 936 | 937 | 938 | 939 | 940 | 941 | 942 |
| 951 | 952 | 954 | 955 | 957 | 958 | 959 | 960 | 961 | 962 |
| 961 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 |
| 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 |
| 981 | 982 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 |
| 991 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 | 1001 |

Itthemu 4

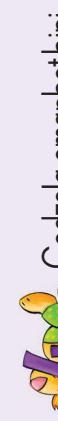


Phethini yjni lesiyikhonjisia tinhombolo letibiyelwe?



Gcwaliswa tinhombolo letishiyewe.

Faka umbala loluhla ka kumabuhulki etinombolo letishiyewe. Faka umbala lobovu kumabuhulki lamhophe lanetinombolo. Phethini yjni loybonako?



- a. Hlanganisa 4 ngakune kuye ku 981. q84, q87, q90, q93
 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. _____

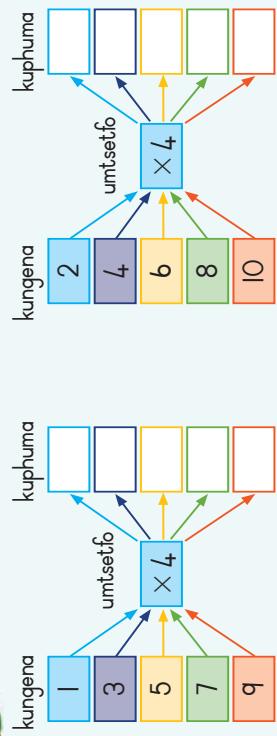


Khakhuletha.

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

Kuphindzophindzoa nekwehiukanisa: ngakune kufika ku 100

Cedzela lelithebula lelingantasi:



Cedzela lelithebula lelingantasi:

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



Khakhuletha:

| | |
|-----------------------|-----------------------|
| 12×4 | 11×4 |
| $= (10 + 2) \times 4$ | $= (10 + 1) \times 4$ |
| $= 40 + 8$ | $= 40 + 4$ |
| $= 48$ | $= 44$ |

| | |
|-----------------------|-----------------------|
| 13×4 | 15×4 |
| $= (10 + 3) \times 4$ | $= (10 + 5) \times 4$ |
| $= 30 + 12$ | $= 40 + 20$ |
| $= 30 + 10 + 2$ | $= 60$ |

$$= 52$$

| | |
|------------------------------|-------------|
| $48 \div 6$ | $64 \div 4$ |
| $= (40 + 8) \div 4$ | |
| $= (40 \div 4) + (8 \div 4)$ | |
| $= 10 + 2$ | |
| $= 12$ | |
| $45 \div 4$ | $49 \div 4$ |
| $= (40 + 5) \div 4$ | |
| $= (40 \div 4) + (5 \div 4)$ | |
| $= 10 + 1$ | |
| $= 11$ | |



Sombulula tibalo-nkinga letilandzelako:

Tony una 36 wemasiwi.

Udla 4 wemasiwi onkhe malanga.

Mangakhi emalangla langadla ngawo lamaswi?

Una 88 ema-onintji.

Mangakhi emaphakethelangawagowalsia?



Lusuku

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 lesijkhonjiswa tinombolo letibiyelwe ?



Libhodi letinombolo 901 kuye ku 1 000.

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

Gewalisu tinombolo letishijiwe.

Fakaumbala loluhlata kumabholuki etinombolo letishijiwe. Faka umbala lobovu kumabholuki lamhlophe lanetinombolo. Phethini yini loyjbonako?



Cedzela emaphethini.

- a. Hlonganisa 4 ngakune kuye ku 980.
- b. Hlonganisa 5 ngakune kuye ku 971.
- c. Susa 4 ngakune kusuka ku 963.
- d. Susa 3 ngakune kusuka ku 927.
- e. Hlonganisa 2 ngakune kuye ku 938.

- | | | |
|------------------------|------------------------|------------------------|
| 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. $833 - 4 =$ | i. $847 - 3 - 3 - 3 =$ |

Tincencye letilinganako talokugcwele

Hħafu munye, nomu nquyjiphi indella.

Sika bocalandze
ephephani lelinembda
(kuKweltusikwa ||).



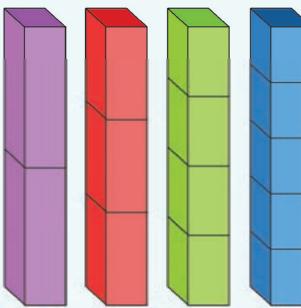
Tama kutfola tindella letehlkene kwenta hħafu munye.

1. Goba liphepha lacalndze kuhħafu ngebude. Sika leliphepha kuhħafu emgħobeni. Luċtu ngalunye lullingana ngco nadolunye. Luċtu ngalunye ngħuħafu munye ($\frac{1}{2}$) wacalandaż locale ngaye.
2. Goba lelinye liphepha lacalndze kuhħafu kurvundle kubħekuk. Sika leliphepha kuhħafu emgoeni. Luċtu ngalunye lullingana ngco nadolunye. Luċtu ngalunye ngħuħafu munje wacalandaż locale ngaye.

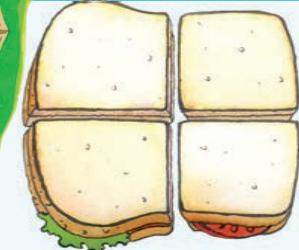
3. Nquyjiphi lenye indella yekwewħukanisa leliphepha libbe tincencye letimbli letilinganako? Tama kutfola ngeliphepha nesikel, bese udvweba umugħa lapħo uqba khona bese uysika.



Asichubeket negetincencye letilinganako talokugcwele.



Uma seħlukanisa lufto luba ti-2 tincencye letilinganako letincencye sitsi **bokħafu**.
Uma seħlukanisa lufto luba ti-3 tincencye letilinganako letincencye sitsi **bokċenye-ntsatfu**.
Uma seħlukanisa lufto luba ti-4 tincencye letilinganako letincencye sitsi **bokċenye-ne**.
Uma seħlukanisa lufto luba ti-5 tincencye letilinganako letincencye sitsi **bokċenye-hlanu**.



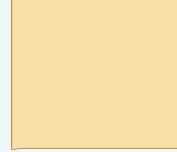
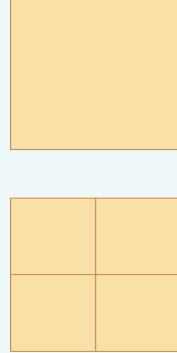
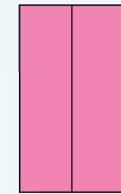
Emasangwejji elantji.

Thabo nebangani bokħe laba-3 benta indathane yemmasangwejji elantji.

Bawsikie kahle abu **bokċenye-ne** nomu emakota.

Loku kusħo kutsi bawassek abu nju 4 wetinċetut letilinganako.

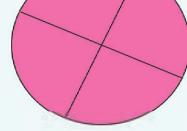
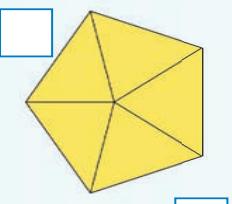
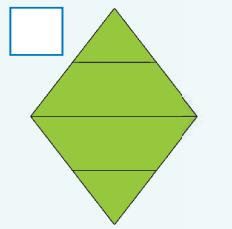
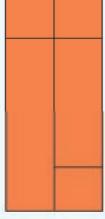
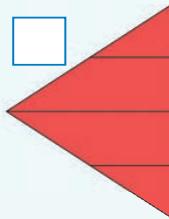
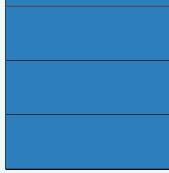
Nansu jixxu indella. Khombisa 3 waletinye tindella tekventa loku.



K Kweħlu kanisa ngabonċenye-ne.

Uma sisika lufto luu ngemakota ($bo \frac{1}{4}$), sikweħlu kanisa kubे nju 4 wetinċenye letilinganako.

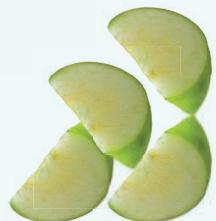
Faka laphawu (✓) etiġi oħbeni ngentasi leti kħombisa emakta nomabonċenye-ne.



Teacher:
Sign:
Date:

Tibalo-nkinga temafrikishini

Coca ngemafrakishini nebangani bakho.



Sombulula tibalo-nkinga letilandzeldko ngekuphendulu imibuto bese wenta imidwwebo.

a. Umceceshi wenethibholi uniketa umdali nganunye ihafu yeli-orintji. Kuna $\frac{1}{4}$ webadali.

Mangakhi ema-orintji lawadzingako?

Utsini umbuto?

Titsini tinombolo noma emafrikishini kulesibalo-nkinga?

Yini ligama-nsika?

Dvweba sitfombe.

Ligama-nsika lgama
lelitangisia kukhelesa indelta
lenjijo yekubada.

Itsini imphendulu?



Itsini imphendulu?



b. Make wami unginkete nebangani bami labolishumi nanye ikota yelihabhula umuntfu ngamunye.
Mangakhi emahabhu lawasebentisile?
Titsini tinombolo noma emafrikishini kulesibalo-nkinga?
Yini ligama-nsika?
Dvweba sitfombe.

b. Emcimbini wekutijabulisa esikolvemi batsengisa emakhekhe kepha tincetu letinsatfu liliyue.
Batsengisa tiqaddha temakhekhe kubantfu labangema 24.
Mangakhi emakhekhe labawatsengisile?
Titsini tinombolo noma emafrikishini kulesibalo-nkinga?
Yini ligama-nsika?
Dvweba sitfombe.

Itsini imphendulu?

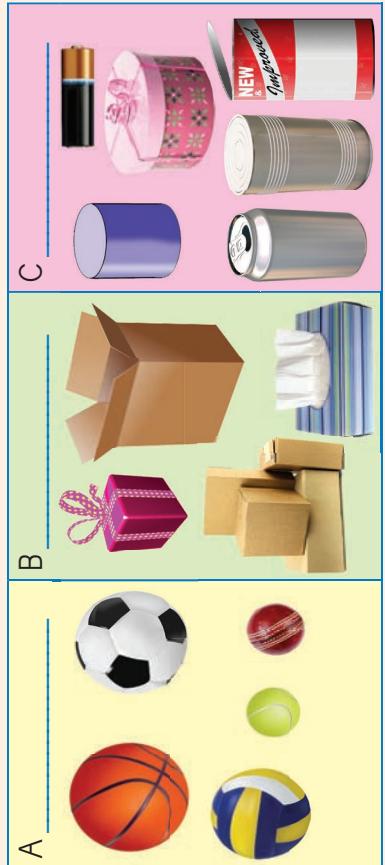
Itsini imphendulu?

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

Cabanga ngesilinda, umbhosongo, noma indilinga lengagicika

Buka letifombe.

Ngisiphi sicumbi lesikhombisa emabholo, imbhosongo nemabhokisi?



Tfola titifombe timbili tangakunye utinameke ngentasi.



| | |
|--|--|
| | |
| | |

Dwwebela imphendvulo lengijo.

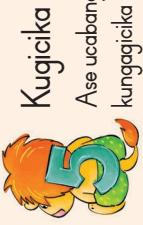
- Litamatisi libumbeke njengebhola/libbhokisi/umbhosongo (isilinda).
- Inglazi yekunatsa ibumbeke njengebhola/libbhokisi/umbhosongo (isilinda).
- Incwadzi libumbeke njengebhola/libbhokisi/umbhosongo (isilinda).



"Condzile" na "gwenjile".

Letinje tinflo leiphatusekako tiba nelinge phandle lclsicabati.
Letinje tiba nelinge phandle lengwenjile.

| | | |
|---|--|---|
| | | |
| Umbhosongo (isilinda) unebuso bubili lobusicabati nabunye lobugwenjile. | Ikhoniinebuso bunye lobusicabati nabunye lobugwinjile. | Imbulunga (sifive) lesanyeti inemacala lagwenje mtimba wonkhe macala onkhe. |



Kuletintlo leti-3, ngukuphi:

- Lokungeke kugicika signu lesidze.
- Lokungagicika kuphela ngemugca
locondzile?
- Lokungagicika kubheké nomaphi?

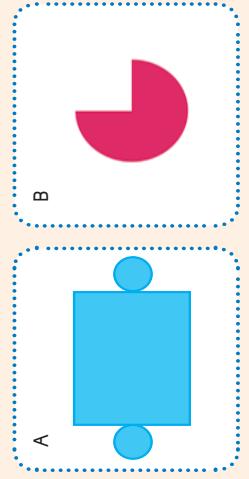


Yini inethi?

Bunjwa losicabati longagoawa kwenta
sakhwiwo lesiphatsekako ubitwa ngekutsi
yinethi.

Bhalaluhlavu wenethi lengagocea yakhe ikhoni.

Bhalaluhlavu wenethi lengagocea yakhe umbhoshongo (isilinda).

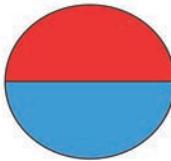
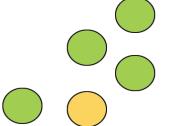
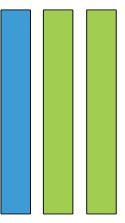
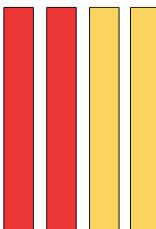


Teacher:
Sign:
Date:

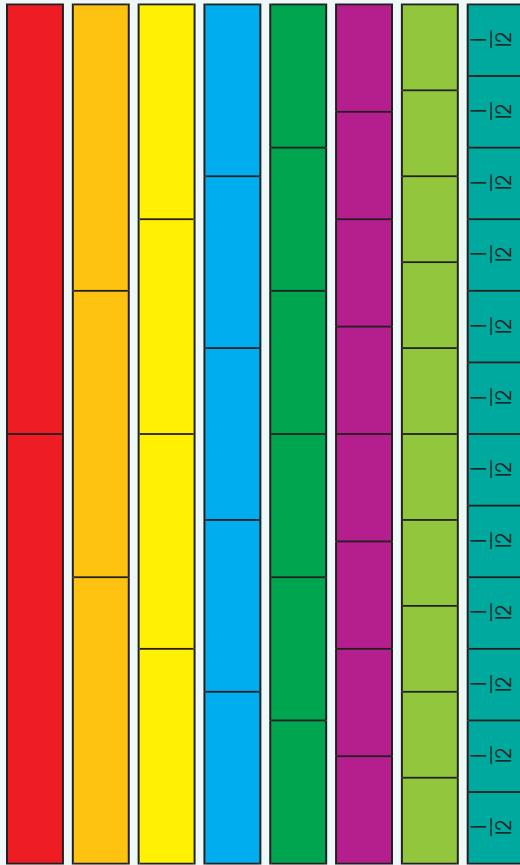
Kabanti ngemafrikishini

Shano emafrikishini.

Bhalafrikishini yaletifombé ngentasi.

| | |
|---|---|
| a. Yifrikishini lenganani lokulingangane? _____ | b. Yifrikishini lenganani lokuluhlat? _____ |
|  |  |
| c. Yifrikishini lenganani lokungangane? _____ | d. Yifrikishini lenganani lokumfub? _____ |
|  |  |

Ludvonga lwemafrikishini.



Luhelengadunye iwehlukaniswe lwaba tincenye letilnganako. Luheloluphansei ekugacini iwehlukaniswe lwaba boncenyeshuminambili ($\frac{1}{12}$).

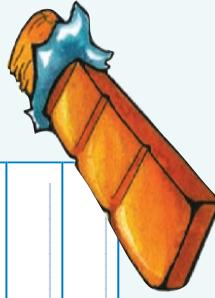
Bhalafrikishini lengijo kulawa lamanye emahelo. Sebentisa irula yakho noma umphetfo locondzile weiphephaka folakatsi ngumaphi emafrikishini lalinganako, nekuksita uphendavule lemibuto..

Eludvongeni lwemafrikishini, tfola tonkhe tindela letehlukene tekwentoloku:

- a. ihafu yinje $\frac{1}{2}$ _____
- b. kurye lokugewe () _____
- c. emakota lamatsatu $\frac{3}{4}$ _____

- a. Sizwe unetincetu letine teshokholethi. Uniketa umngani wakhe lucetu lunye. Yifrikishini lenganani jemashokholethi lesele kuge? _____
- b. Yasmin unema-orientji lamabili. Ugiyela Ana linje. Yifrikishini lenganani lesele kuge? _____
- c. Maryutsenga 5 tibhelekeca temashokholethi. Utibekela si. I. upha Mohamed ti-2, bese letinje leti-2 upha umndakabo. Yifrikishini lenganani Mary latibekela yona? _____

Holisa!
Catsanisa!
Lungisa!

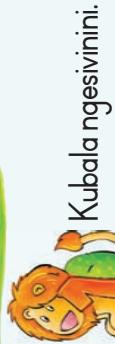


11 12 13 14 15 16 17 18 19 20

2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

Asichubekē ngekubutsisa nekwa



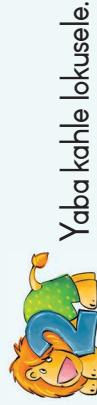
Ithemu 4



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 na lebo ba funa kwaba 13 wetincetu teshokholethi. Tingakhi tinacetu letifola na gumuntfu ngamunye?



Bangakhona kwaba kuphela 12 wetikwele letigwele, batifola sitifupa amunye. Loluetu lolusele bagamulana ihafu, ngako-ke amunye una $6\frac{1}{2}$ wetincetu.



- a. Ephathini 25 wemicu yemasiudi-shukela yabiwa emkhatsini wa 10 webantfwana.
Yaba kahle ngcol Dvweba titifombe kukuista.



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

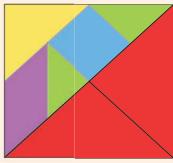
- d. Yaba 73 imicu emkhatsini wa 10 webantfwana.

Amunye utfola _____ imicu



Emafrakishini ethenigremu

Ithenermu ngumddalo mphico wasendulo wesi Shajyna wakhiwe ngesi 7 sabobunwa labasicabati, habitiwa ngokutsi ngematheri, onkhe abekwa ndawonye kwakha tinhlobo-nhlabo tabobuniwa.



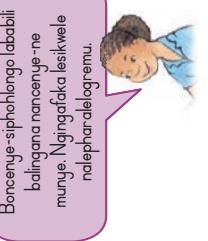
Emafrakishini ngeThenigremu.

Umdallo welkwaba kahle emafrakishini.

Dila na 4-8 webadali usebentisa takakhoo tincetu tetbenigremu

- Badali baniketana ematufuba ekubeni ngumshovi-phepha.
- Umshovi-phepha uncuma kutsi yifrankishini lenganani yethenigremu legcwele umdali ngamunye lokufute ayifake kuhithi.
- Umdali ngamunye ugacagela kutsingabe imali-buhhehu itawuvela engahloko nomu ngemsila umshovi-phephabese yjika buhhehu.
- Umshovi-phepha bese waba lokukukhithi ngelkwetsembeka kulaboo labacombele kahle. (Angahle ahwebise ngalunye nomu ngetulu tincetu kutifola letinye tincetu temandla lalingando.)
- Wonkhe umsaleda longke wabeké uhldla kuhithi umele ligema leitako.
- Bonkhe badalli bayahlolisa kubona kutsi ngabe kwaba kwentiwe ngendela yimi.
- Uma umdali atifola liputsa, umshovi-phepha ukhokha inhlawulo ya $\frac{1}{8}$ yesikwele lesigwele kundali wekuca kutifola liputsa.
- Umdali lotu tincetu angatsatsa yonkhe imisaleda kuhithi.
- Umdallo uachubeka ate umdali ngamunye naye abe ngumshovi.

Wankhewonkhe kufute afate ikao jinye jeebhi yethenigremu kuhithi.



Usebentisa iThenigremu.

Sika kahle emathenigremu lamadli eKhasini leKusikuwa [2 ubhalo esiceshini ngasinye lesinefrakishini yesikwele lesigwele. (Laba bobunjwa bema Thenigremu bakuca.) Bhala ligama lakkho ngemusa kwelucutu ngalunye, khona utokwati kutifola tincetu takakhoo futsi emva kwemddalo.

128a

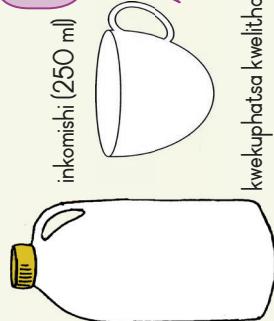
Ithemu 4

Kumeda umtsamo

Sebentisa kwekuphatsa
lokubihodela
lepusatisiki nenkomishi.

Tingakhthinkomishi locabanga
kutsi tingagowisa loku
kwekuphatsa?

Akudzingeketi kutsi
ugagule nemalit'ha nomo
emamillitha.
Kuphela sebantisa
emagana latsi 'inkomishi'
na libhadeli'



kwekuphatsa kweitha j-i-

Yenta ilitha.

Tfola indella yekwenta ilitha usesebentisa emanani lehlukene alokusamanti.

Bhalia umusho-nombolo ngadejo ndejo ndlela.



$500 \text{ ml} + 500 \text{ ml} = 1000 \text{ ml (l)}$

200 ml
 250 ml
 500 ml

Ngemusho-nombolo

= 1000 ml (l)

Ngemusho-nombolo

= 1000 ml (l)

Uma sibhala timphawu temetrikihi, sishya sikkhala lesincane emkhatsini weluhlavu lwekugcina neluphawu. Nasi sibonelo sibhala $3l$ g hhayi $3l$ g; 299 g hhayi $299g$; 15 km hhayi 15km .



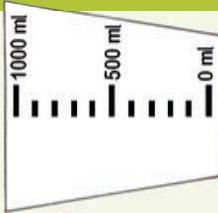
Untsamo wenkomishi
ngu! O bese umtsamo
wenkomishi legcwela ngu!.



Lesipunu sigcweli
kufika kumvinco
wekucada.



Lesipunu sigcweli
kufika kumvinco
wekucada.



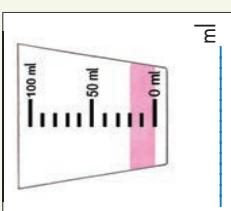
Sikala emabinta lamancane nolokusamanti nemamillitha [ml].

Lenkomishi yekumeda yemutsi iucuketse 10 ml .
lokungemathispunu lamabili.

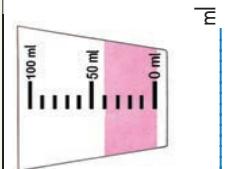
Sikala emabinta lamakhudhwana ngemalitha $1l$.
Ayinkhulungwane emamillitha elitheni.

Kunganani lokusamanti?

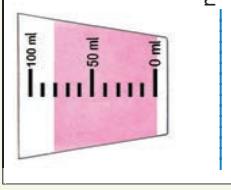
Mangakkhemal alocusamanti ejekeni ngalineje?
ml



ml



ml

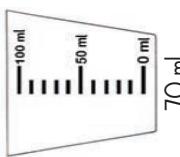


ml

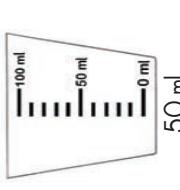
Kunganani lokusamanti?



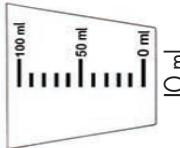
Hlikhla lomutsi
etinkomishihi
kukhombisa linani
kujinye ngajinye.



ml



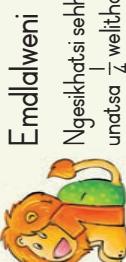
ml



ml

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

Kala utsele



Emdalaweni
Ngesikhatasi sehrafu thayimi undali ngamunye unatsa $\frac{1}{4}$ welitha yeyusi.

- Bangakhi badali labanggabelana naga?
1litha _____ 4 wemalitha _____ $2\frac{1}{2}$ wemalitha _____
- Kudzingeka iusu lenganan ikuwetisa?
8 weboddali _____ 9 weboddali _____ 12 weboddali _____



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

$$\frac{1}{2} \text{ welitha} = \text{ ml}$$

$$\frac{1}{4} \text{ welitha} = \text{ ml}$$

Emalitha nemamillitha (ml).

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

$$25 \text{ ml} = \text{ welitha}$$

$$50 \text{ ml} = \text{ welitha}$$

$$\frac{1}{2} \text{ welitha} = \text{ ml}$$

$$\frac{1}{4} \text{ welitha} = \text{ ml}$$

$$we \text{ litha}$$



Yenta ihhafu yelitha.
Klibhita (✓) lamanani lama 3 lakatsi nakatih langanisiwe afike kuhhafu yelitha.

| | | | | |
|--------|--------|--------|-------|--------|
| 120 ml | 140 ml | 160 ml | 28 ml | 240 ml |
| | | | | |

Lubisi lukulungene!

- Yoba 4 wemalitha elubisi emkhatsini wa:
- 8 webantifwana
 - 16 webantifwana
 - 12 webantifwana
- Umntifwana ngamunye utfola _____ wemalitha
Umntifwana ngamunye utfola _____ wemalitha
Umntifwana ngamunye utfola _____ wemalitha

Libhara leJusi laBongi.

Ejekeni li! Bongi usebentisa ikota yinje ($\frac{1}{4}$) yenkomishi yeyusi netinkhomishi leti 2 temanti. Tfola kutsi usebentisa iusu nemanti langanani Bongi emajeke ni losi 5 ejusi.

| Emjeke | 1 | 2 | 3 | 4 | 5 |
|--------------------|-------------------------------|---|---|---|---|
| Tinkomishi tejsi | Ikota yinje ($\frac{1}{4}$) | | | | |
| Tinkomishi temanti | 2 | | | | |

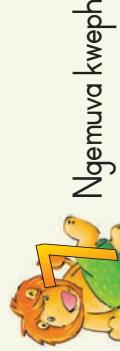


Yenta ilitha.

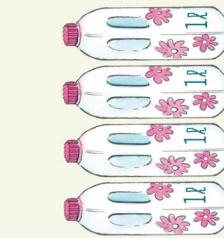
| | | | | |
|-------|--------|--------|--------|--------|
| 50 ml | 100 ml | 200 ml | 250 ml | 500 ml |
| | | | | |

Udzinga tingakhi tinfu tekuphatsa ngajinye kwenta ilitha?

- _____ $\times 100 \text{ ml}$
- _____ $\times 200 \text{ ml}$
- _____ $\times 250 \text{ ml}$
- _____ $\times 500 \text{ ml}$
- _____ $\times 50 \text{ ml}$



Ngemuva kwephathhi.

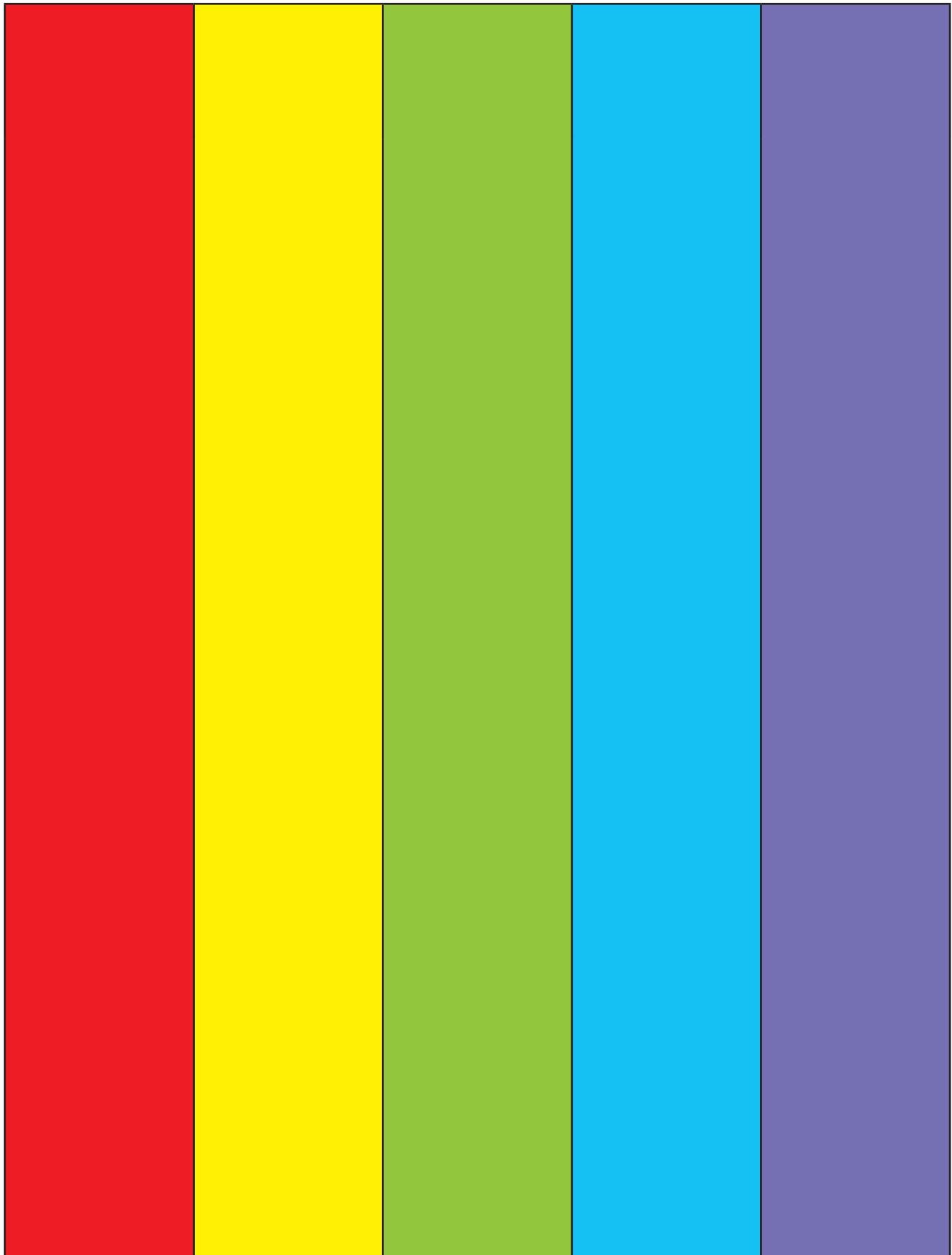


- Iphathi yaThandi seyengcile. Kunekwekunatsa lokusele?
Inganani iusu lemftubi leseli? _____
Inganani iusu lesansobo leseli? _____
Thandi ludidiyla tinhlabo totumbili tejesi ndzawonye.
Mangakhi emajeke langawagcwalsa? _____

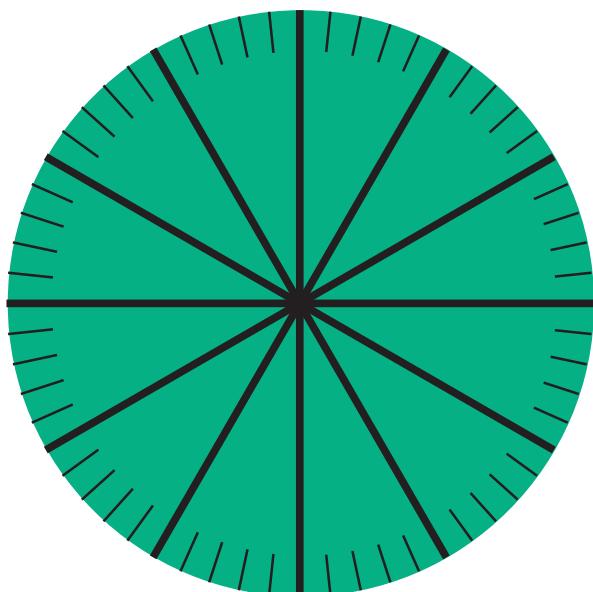
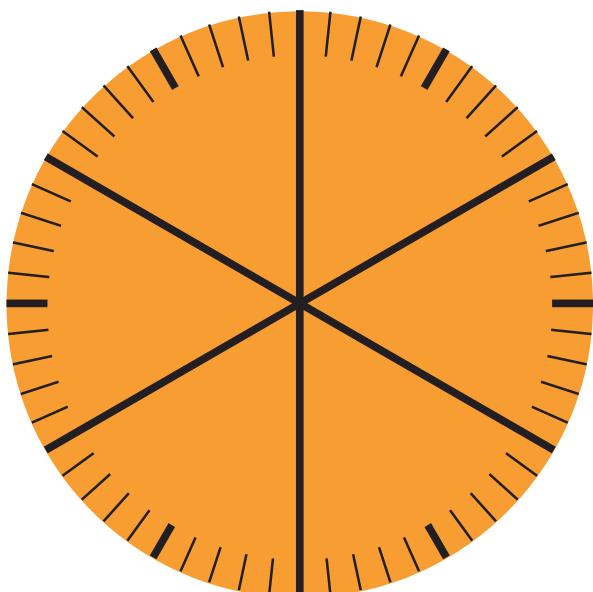
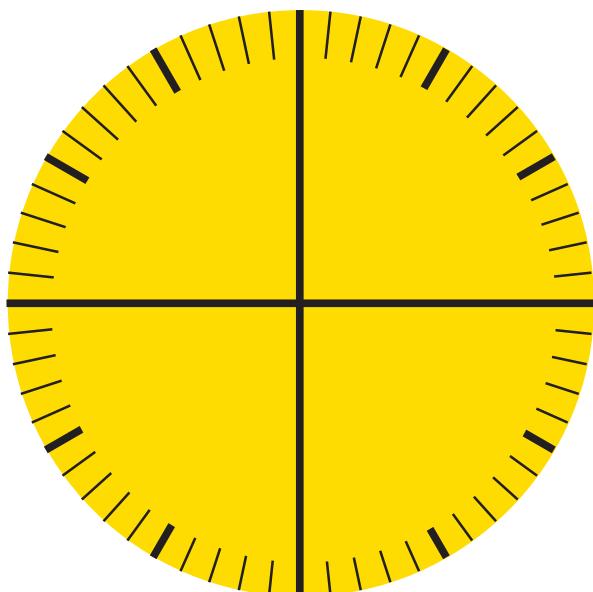
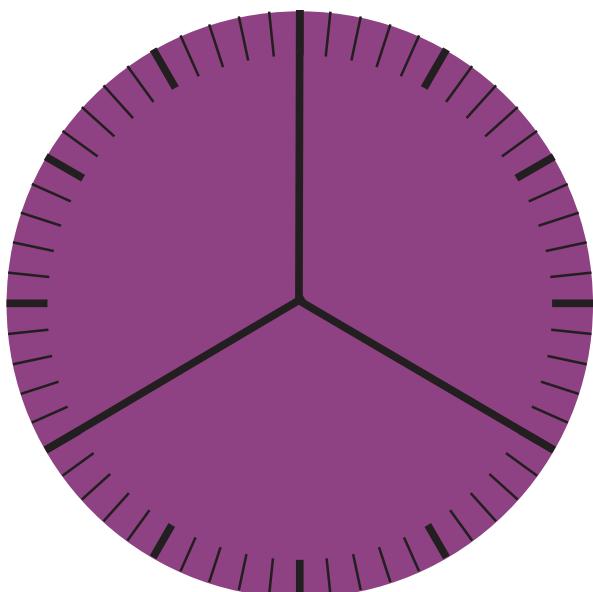
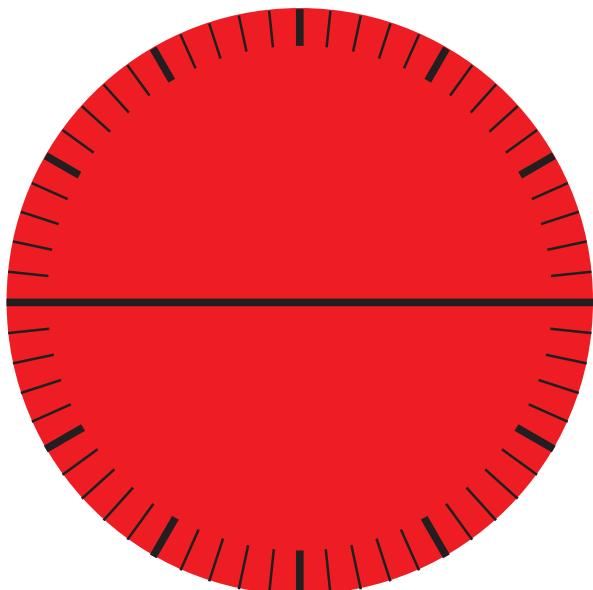
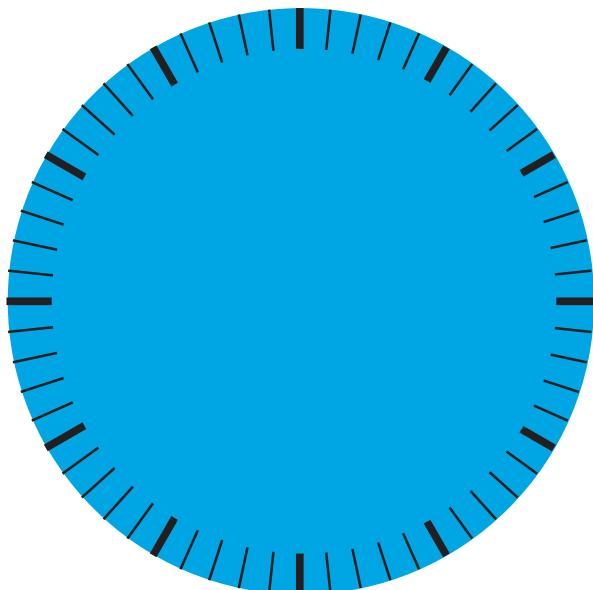
| | | | | |
|-------|--------|--------|-------|--------|
| 20 ml | 140 ml | 160 ml | 28 ml | 240 ml |
| | | | | |



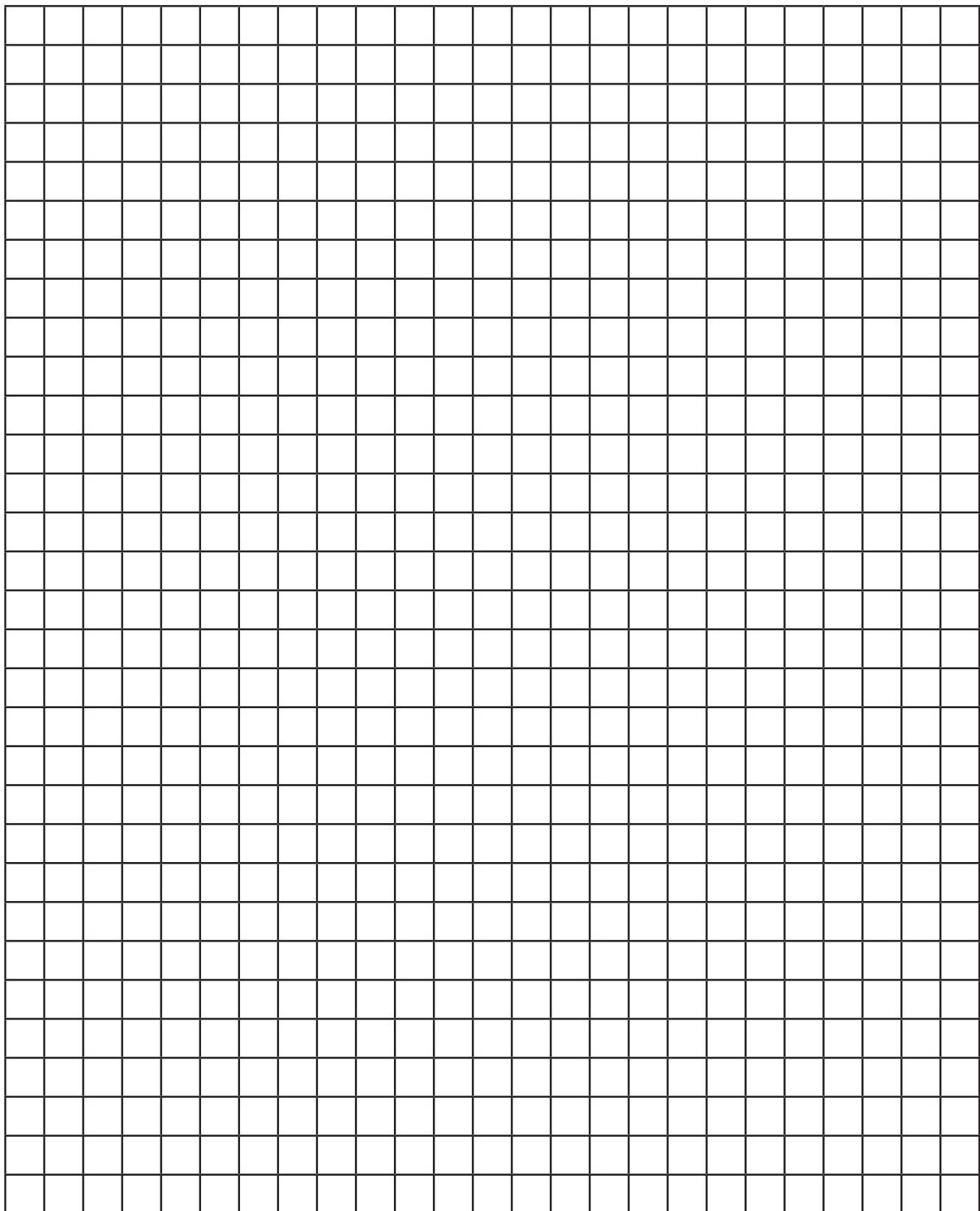
Kwekusikwa 5



Kwekusikwa 6



Kwekusikwa 7

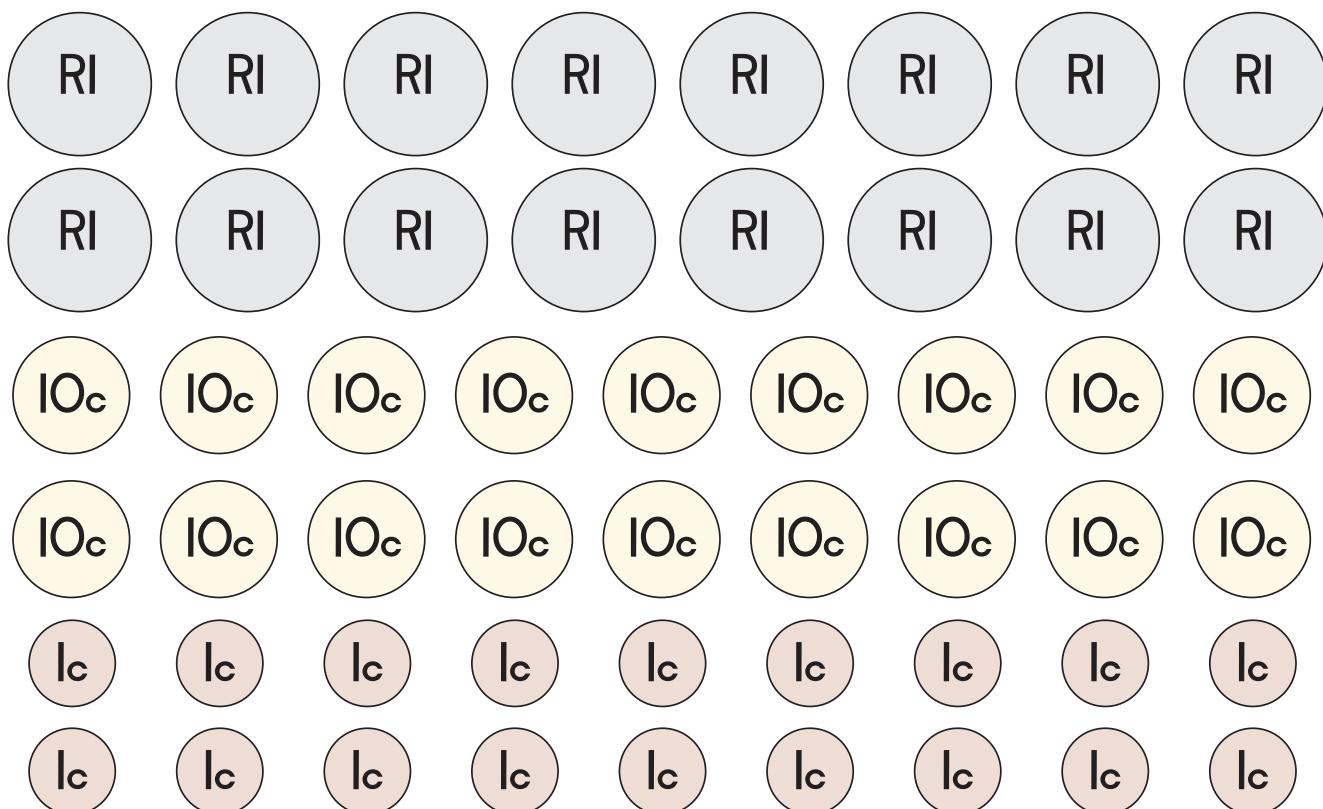


Kwekusikwa 8

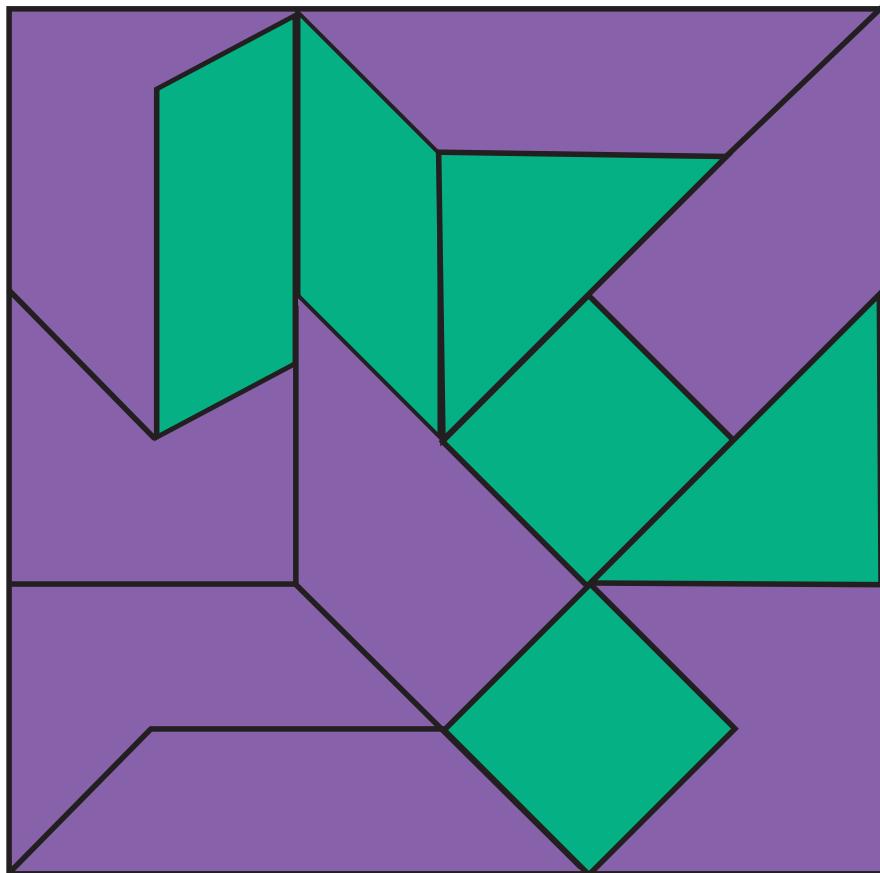
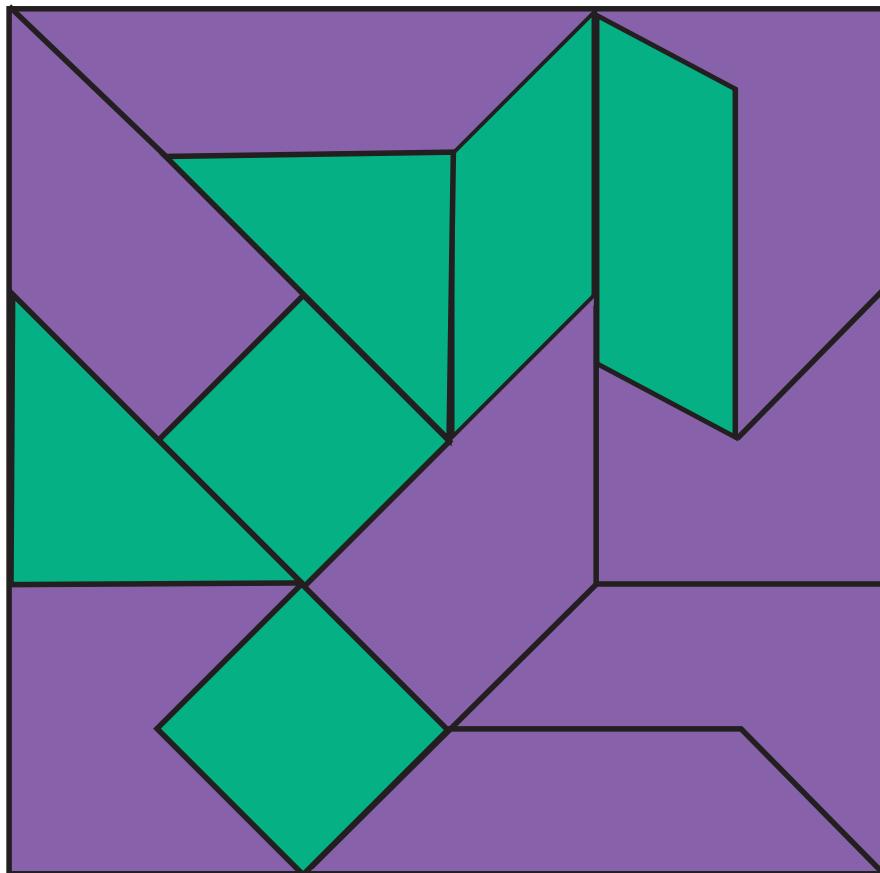
| | |
|------------------|--|
| I _c | |
| IO _c | |
| RIs | |
| RIO _s | |
| RIOOs | |

Kwekusikwa q

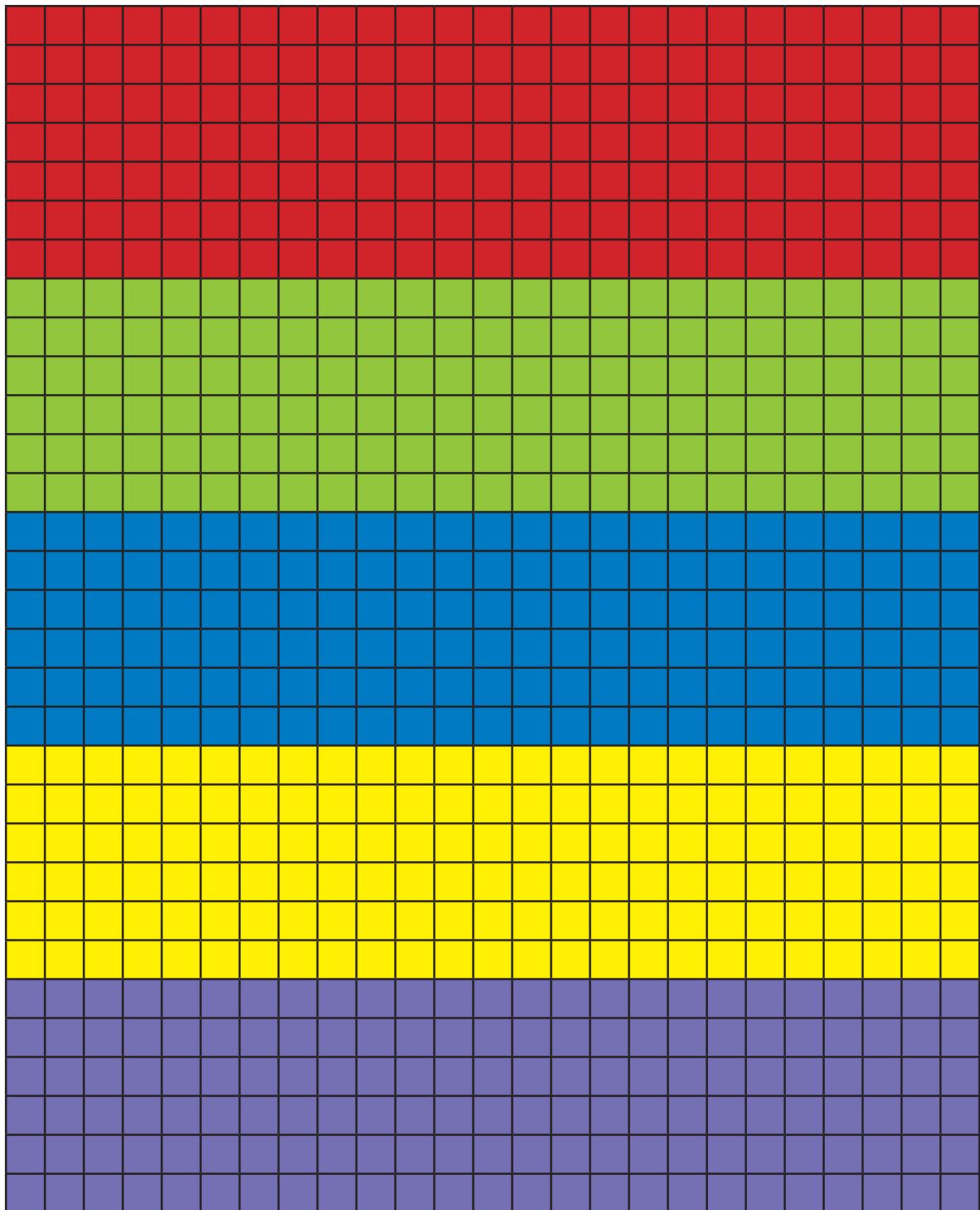
| | | | |
|------|------|------|------|
| RIOO | RIOO | RIOO | RIOO |
| RIOO | RIOO | RIOO | RIOO |
| RIO | RIO | RIO | RIO |
| RIO | RIO | RIO | RIO |
| RIO | RIO | RIO | RIO |
| RIO | RIO | RIO | RIO |



Kwekusikwa 10



Cut-out II



Cut-out 12

