

### Kufundza ngeMtsetfo Sisekelo weNingizimu Afrika (1996)

UMtsetfo-sisekelo waseNingizimu Afrika (1996) ucuketse imitsetfo lesetulu yelive. Lemitsetfo ingetulu ngisho kwamengameli welive, tinkantolo kanye nahulumende. Ichaza kutsi bantfu belive kumele baphatsane njani, nekutsi ayini emalungelo abo kanye nemitfwalo labanayo ngalabanye. UMtsetfo Sisekelo welive ukhonela kusivikela sonkhe nyalo kanye nebantfwabetfu ngakusasa.

Kufute sati  
ngelimuva  
letfu.

Asingawaphindzi  
emaphutsa  
ayitolo.

uMtsetfo Sisekelo usisita  
kutsi sicabange futsi sakhe  
likusasa lelihle lakhe  
wonkhe umuntfu.

Tsine, bantfu baseNingizimu Afrika;  
Siyakubona kungabi khona kwebulungiswa esikhatsini lesengcile;  
Setfulela sigcoko labo labahlukunyetwa kuze sitfole bulungiswa  
nenkhululeko eveni letfu;  
Sihlonipha labo labasebentile kwakha nekutfufukisa live letfu;  
Siyakholwa futsi kutsi iNingizimu Afrika yabo bonkhe labahlala kuyo, sihlange  
ngekwehlukahlukana kwetfu.

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

Kupheliswe kwehlukana kwayitolo futsi kwakhiwe umphakatsi losekelwe  
yintsandvo yelinyenti, bulungiswa ekuphileni kanye nemalungelo-sisekelo ebuntfu;  
Kubekwe sisekelo semphakatsi wentsandvo yelinyenti, longenamfihlo  
lapho khona hulumente abekwe ngetifiso tebantfu futsi sonkhe sakhamuti  
ngalokulinganako sivikelwe ngumtsetfo;

Kwentiwe ncono lizinga lemphilo yetakhamuti tonkhe futsi kukhululwe emakhono  
emuntfu ngamunye; futsi

Kwakhiwe iNingizimu Afrika lehlange futsi yentsandvo yelinyenti lekwati  
kutsatsa indzawo yayo leiyifanele njengelive lelitibusako njengawo onkhe  
emave latibusako.

Tsatsa lilungelo  
lakho njengemuntfu  
waseNingizimu Afrika  
bese utsatsa sigaba sakho  
kuvikela emalungelo  
alabanye.

Wati uMtsetfo  
Hlongotwako  
wemalungelo akho kanye  
neMtsetfo Hlongotwako  
weMtfwalo lobhekene  
nemuntfu.

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

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MATHEMATICS IN SISWATI  
GRADE 3 – BOOK 1  
TERMS 1 & 2

ISBN 978-1-4315-0012-3

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15th Edition



TIBALO NGESISWATI – Libanga 3 Incwadzi I

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Kubuyeketiwe  
futsi kwahlelenjiswa  
ngekwema-CAPS



Libanga 3

Ligama:

Likilasi:



basic education

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

TIBALO NGESISWATI

Incwadzi I  
Emathemu  
1 & 2



# Lokucuketfwe

| Inombolo | Sihloko                                                               | Likhasi | Inombolo | Sihloko                                                    | Likhasi |
|----------|-----------------------------------------------------------------------|---------|----------|------------------------------------------------------------|---------|
| 1        | Bala, hlukanisa uphindze ukhombise!                                   | 2       | 33       | Hlosa kufika kuma-200                                      | 76      |
| 2        | Kubala ngekuhlakanipha                                                | 4       | 34       | Kusebenta ngemacembu etinombolo                            | 78      |
| 3a       | Tinombolo ebhodini lelikhulu                                          | 6       | 35a      | Kubeka emashumi ndzawonye neku siwehlukanisa               | 80      |
| 3b       | Tinombolo ebhodini lelikhulu (kuyachubeka)                            | 8       | 35b      | Kubeka emashumi ndzawonye neku siwehlukanisa (siyachubeka) | 82      |
| 4        | Tikhundla                                                             | 10      | 36       | Kuvakashela dokotela wematinyo                             | 84      |
| 5        | Kuhlanganisa nekususa                                                 | 12      | 37a      | Yengeta uphindze uhlanganise                               | 86      |
| 6        | Kuphindza kabili nekuhhafula                                          | 14      | 37b      | Yengeta uphindze uhlanganise (siyachubeka)                 | 88      |
| 7        | Emafrakishini                                                         | 16      | 38       | Catulula!                                                  | 90      |
| 8        | Kwehlukanisa imali                                                    | 18      | 39       | Bala uphindze ucatulule                                    | 92      |
| 9        | Emaphethini                                                           | 20      | 40       | Kukala ngemasentimitha                                     | 94      |
| 10       | Emabhola, emabhokisi nemibhoshongo                                    | 22      | 41       | Umgomo 300                                                 | 96      |
| 11       | Dvweba, unikete ligama, bese ucatsanisa labobunjwa bebusobubili (i2D) | 24      | 42       | Kuhlanganisa nekususa ngabol00                             | 98      |
| 12       | Kwendlula kwesikhatsi                                                 | 26      | 43       | Umgomo 400                                                 | 100     |
| 13       | Kukala libanga                                                        | 28      | 44       | Kukala                                                     | 102     |
| 14       | Umtsamo                                                               | 30      | 45       | Umgomo 500                                                 | 104     |
| 15       | Sisebenta ngesisindvo                                                 | 32      | 46       | Kuhlanganisa nekususa                                      | 106     |
| 16       | Kusebenta ngeminingwane                                               | 34      | 47       | Lolonga lwati lwakho                                       | 108     |
| 17       | Catsanisa uphindze uhlembise tinombolo                                | 36      | 48       | Umugca-sibuko                                              | 110     |
| 18       | Emandla sikhundla kuya kuma-99                                        | 38      | 49       | Kwakha kufika kuma-500                                     | 112     |
| 19       | Kubeka emashumi ndzawonye uma sihlukanisa kufika kuma-99              | 40      | 50       | Kuphindzaphindza nekuba nga (10)                           | 114     |
| 20a      | Hlanganisa kumugca-nombolo                                            | 42      | 51       | Bala ngaku-2                                               | 116     |
| 20b      | Hlanganisa kumugca-nombolo (siyachubeka)                              | 44      | 52       | Yila ngemathayili                                          | 118     |
| 21a      | Susa kumugca-nombolo                                                  | 46      | 53       | Ngeti-5 kuya ku ma-500                                     | 120     |
| 21b      | Susa kumugca-nombolo (siyachubeka)                                    | 48      | 54       | Kusebenta ngesikhatsi                                      | 122     |
| 22       | Sikhatsi selidzili                                                    | 50      | 55       | Bala ngaku-3 nangaku-4                                     | 124     |
| 23       | Kubala ufike ku 200                                                   | 52      | 56       | Sita bantfwana                                             | 126     |
| 24       | Kutlilonga ngeti-5                                                    | 54      | 57       | Emafrakishini: bohrafu nemakota                            | 128     |
| 25a      | Bala ngaku-2                                                          | 56      | 58       | Emafrakishini: boncenyentsatfu naboncenyisitfupha          | 130     |
| 25b      | Bala ngaku-2 (siyachubeka)                                            | 58      | 59       | Emafrakishini: boncenyehlanu                               | 132     |
| 26       | Imali endvulo nanyalo                                                 | 60      | 60       | Tintfo letibusontsatfu (i3D)                               | 134     |
| 27       | Bala ngaku-3                                                          | 62      | 61       | Kuphindza nehrafu                                          | 136     |
| 28       | Yini lehamba ngaku-4?                                                 | 64      | 62       | Kuphindza kabili nehrafu kuyengetwa                        | 138     |
| 29       | Emaphethini ngetinombolo                                              | 66      | 63       | Butsisa bese uyahlanganisa                                 | 140     |
| 30a      | Kwaba                                                                 | 68      | 64       | Kutjabulisa ngetibalo                                      | 142     |
| 30b      | Kwaba (siyachubeka)                                                   | 70      |          | Lokusikiwe 1                                               |         |
| 31       | Emafrakishini                                                         | 72      |          | Lokusikiwe 2                                               |         |
| 32       | Sesikhatsi                                                            | 74      |          |                                                            |         |



Nkhskt. Angie Motshekga,  
iNdvuna yeMfundvo Sisekelo



Dkt Reginah Mhaule, Liphini  
leNdvuna yeMfundvo Sisekelo

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

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

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

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

Sifisela bothishela nebafundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.



Libanga 3



NGESISWATI

Lencwadzi ya:

\_\_\_\_\_

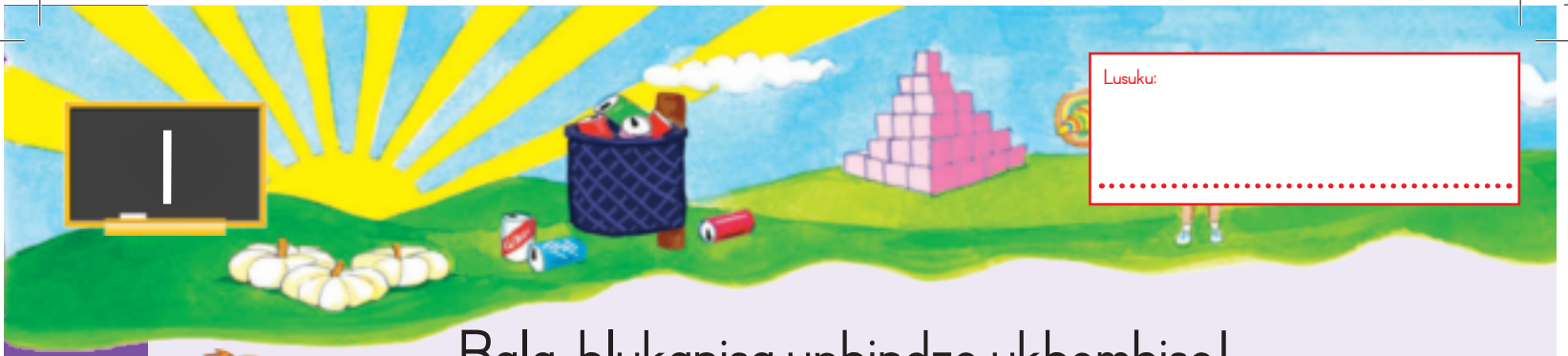


SISWATI

Incwadzi







Lusuku:

Ithemu I



Tingakhi tinkhanyeti?

Catsanisa timphendvulo.



Linganisa kutsi tingakhi tinkhanyeti. \_\_\_\_\_

Nyalo tibale. \_\_\_\_\_



Tfola lophumelele!

Ngubani lilinganise kancono? Gcwalisani emagama enu netimphendvulo kulelithebula.

|                                                             |  |  |  |  |
|-------------------------------------------------------------|--|--|--|--|
| Ligama                                                      |  |  |  |  |
| Linganisa                                                   |  |  |  |  |
| Inombolo lebaliwe                                           |  |  |  |  |
| Umehluko emkhatsini<br>wekubekisa kwakho<br>nekubala kwakho |  |  |  |  |

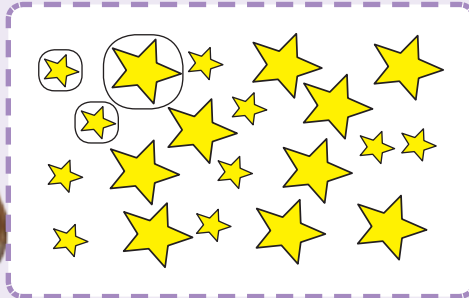




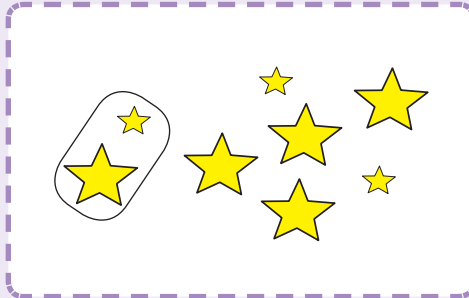
Tindlela tekubala. Sisite kutibhala phansi.



Ngibale ngaku-1  
ngaku-1.



1, 2, 3, \_\_\_\_\_



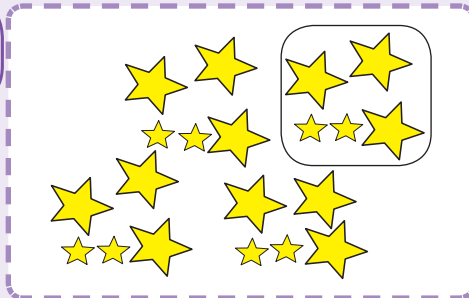
2, \_\_\_\_\_



Ngibale  
ngaku-2.



Ngibale  
ngeti-5 ngase



5, \_\_\_\_\_



\_\_\_\_\_



Ngibala  
ngema-10.



Bhala imishotinombolo

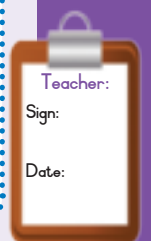
Bala samba selinani letinkhanyeti letinkhulu naletincane  
esitfombeni ekhasini 2.

Kukhulu Kuncane ngalendlela nobe ngalendlela



futsi njengemushonombolo.

\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ nobe \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_



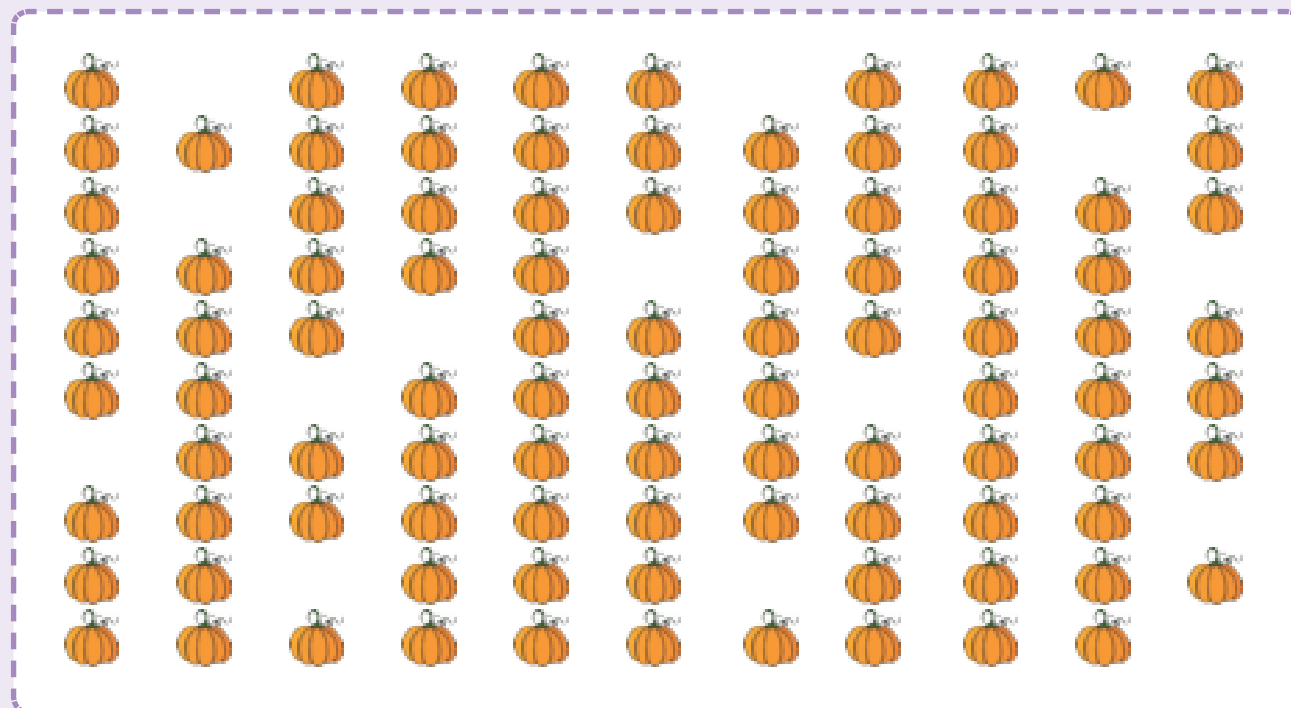
11 12 13 14 15 16 17 18 19 20



# Kubala ngekuhlakanipha

Bala lamatsanga

Tfola indlela lemalula yekuwabala.



Imphendvulo: \_\_\_\_\_



Pakisha ematsanga

Ematsanga lalishumi aya esakeni linye.



Mangakhi emasaka longawagwalisa ngalamatsanga? \_\_\_\_\_

Mangakhi ematsanga lasalako? \_\_\_\_\_

Mangakhi lamanye ematsanga ladzingakalako kugcwalisa lelinye lisaka? \_\_\_\_\_





Kusuka ku + kuya ku  $\times$  (kuhlanganisa kuye kukuphindzaphindza)

Cedzela lemishonombolo.

Sibonelo:

$$10 + 10 + 10 + 10 = 40 \Rightarrow 4 \text{ emacembu ema-}10 = 40 \Rightarrow 4 \times 10 = 40$$



a.  $10 + 10 + 10 =$  \_\_\_\_\_

\_\_\_\_\_ emacembu ema-10 = \_\_\_\_\_  $\Rightarrow$  \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



b.  $10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 =$  \_\_\_\_\_

\_\_\_\_\_ emacembu ema-10 = \_\_\_\_\_  $\Rightarrow$  \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



Tandla neminwe



Tingakhi tandla? \_\_\_\_\_ Mingakhi iminwe? \_\_\_\_\_

Bhala imphendvulo yakho ngetindlela leti-2.

\_\_\_\_\_ emacembu ema-10 = \_\_\_\_\_ na \_\_\_\_\_  $\times$  10 = \_\_\_\_\_



11 12 13 14 15 16 17 18 19 20

3a

Lusuku:

## Tinombolo ebhodini lelikhulu

Ithemu I



Kukhuluma tinombolo

Bala uphindze usho tonkhe letinombolo kusuka ku 1 – 100. Khomba njengobe uhamba.

|    |   |    |    |    |    |    |   |   |     |
|----|---|----|----|----|----|----|---|---|-----|
| I  | 2 | 3  | 4  | 5  | 6  |    | 8 | 9 | 10  |
| 11 |   |    |    |    |    |    |   |   |     |
|    |   |    |    |    |    | 27 |   |   |     |
|    |   |    | 34 |    |    |    |   |   | 40  |
| 41 |   |    |    |    |    |    |   |   |     |
|    |   |    |    | 55 |    |    |   |   |     |
|    |   | 63 |    |    |    |    |   |   |     |
| 71 |   |    |    |    |    |    |   |   |     |
|    |   |    |    |    | 86 |    |   |   |     |
|    |   |    | 94 |    |    |    |   |   | 100 |



- Bhala inombolo lengekho esibayeni lesilingangane ngasinye.
- Bhala naleletinye tinombolo.
- Luhlobo luni lwetinombolo letinombolo letimtfubi?



Bhala letinombolo ngemagama.

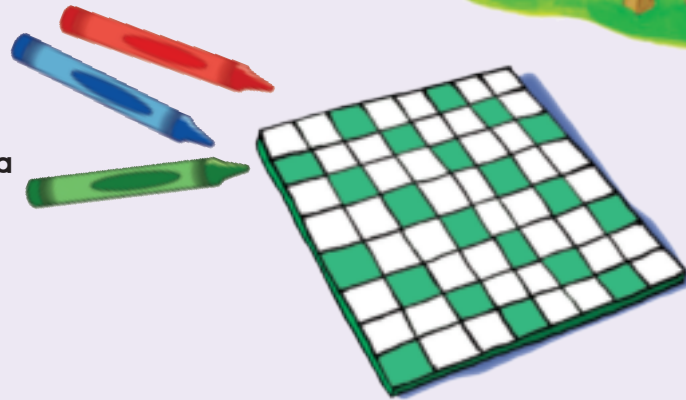
|    |                    |    |  |
|----|--------------------|----|--|
| 90 | emashumi layimfica | 41 |  |
| 77 |                    | 56 |  |
| 14 |                    | 65 |  |





## Kubala nekufaka umbala

Lungela kubala nekufaka umbala!



|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40  |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50  |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60  |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70  |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80  |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Bala uphindze uvale  
ema-10.

Bala ngema-10 kusuka  
ku-10 kuya e-100.

Bhala ngema-10 kusuka  
ku-10 kuya e-100.

|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40  |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50  |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60  |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70  |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80  |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Bala ubuye uvale si-5  
kusuka ku-0 kuya kuli-100.

Bala ngeti-5 kusuka  
ku-5 kuya e-100.

Bhala ngeti-5 kusuka  
ku-5 kuya kuma-80.

|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40  |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50  |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60  |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70  |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80  |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Bala uphindze uvale bo  
ku-2.

Bala ngaku boku-2 kusuka  
ku-2 kuya e-100.

Bhala ngaku-2 kusuka  
ku-2 kuya e-100.



Teacher:  
Sign:  
Date:

11 12 13 14 15 16 17 18 19 20

3b

Lusuku:

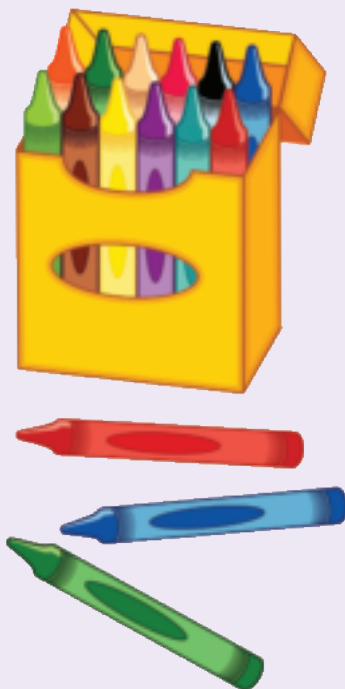
# Tinombolo kugridi (siyachubeka)

Ithemu I



Buka emaphethini

|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40  |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50  |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60  |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70  |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80  |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |



Faka luphawu (✓) kuwo  
onkhe ema-10.

Faka siphambano (X) kuto  
tonkhe ti-5

Kipilitela (O) bonkhe  
bo-2

Bhala tinombolo letingena kuphethini yaku-2 nakuphethini yeti-5.

---

---

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---

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## Emaphethini ekubala

Gcwalisa tinombolo letingekho.

0; 10; 20; \_\_\_\_; \_\_\_\_; 50; \_\_\_\_; \_\_\_\_; 80; \_\_\_\_; 100; \_\_\_\_;  
\_\_\_\_; 130; \_\_\_\_; \_\_\_\_; 160; \_\_\_\_; \_\_\_\_; \_\_\_\_; 200

0; 5; 10; \_\_\_\_; \_\_\_\_; 25; \_\_\_\_; \_\_\_\_; 40; \_\_\_\_; 50; 55; \_\_\_\_;  
\_\_\_\_; 70; \_\_\_\_; \_\_\_\_; 85; \_\_\_\_; \_\_\_\_; 100

0; 2; 4; 6; \_\_\_\_; \_\_\_\_; 12; \_\_\_\_; \_\_\_\_; 18; \_\_\_\_; 22; 24; \_\_\_\_;  
\_\_\_\_; 30; \_\_\_\_; \_\_\_\_; 36; 38; \_\_\_\_; \_\_\_\_; \_\_\_\_; 46; \_\_\_\_;

0; \_\_\_\_; 8; \_\_\_\_; 16; 20; \_\_\_\_; 28; \_\_\_\_; 36; \_\_\_\_; \_\_\_\_;  
\_\_\_\_; 52; \_\_\_\_; \_\_\_\_; 64; \_\_\_\_; 72; \_\_\_\_; 80

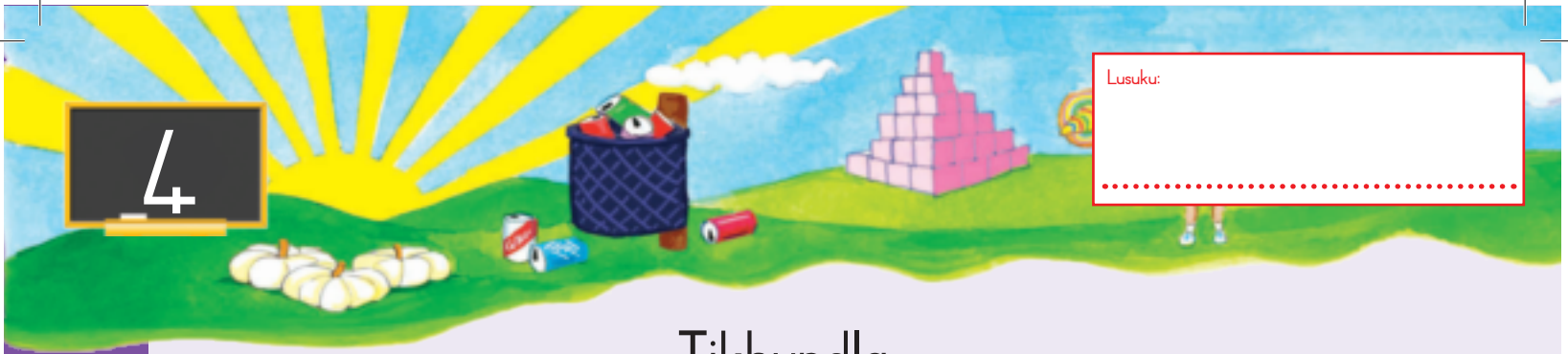
0; \_\_\_\_; 10; \_\_\_\_; 20; \_\_\_\_; 30; \_\_\_\_; 40; \_\_\_\_; \_\_\_\_; 55;  
60; \_\_\_\_; 70; 75; \_\_\_\_; 85; \_\_\_\_; \_\_\_\_; 100

0; 3; \_\_\_\_; 9; \_\_\_\_; 15; 18; \_\_\_\_; 24; \_\_\_\_; \_\_\_\_; 33; \_\_\_\_; 39;  
\_\_\_\_; 45; \_\_\_\_; \_\_\_\_; 54; 57; \_\_\_\_; 63; \_\_\_\_; \_\_\_\_; 72; 75



11 12 13 14 15 16 17 18 19 20





Lusuku:

## Tikhundla

Ithemu I



Khombisa tinombolo takho.

Ngcovota lamakhadi etinombolo kusuka lokujutjiwe I.  
Sebentisa lamakhadi kwakha letinombolo.

19

43

69

54

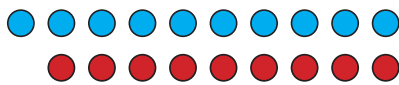
35

10

9



19

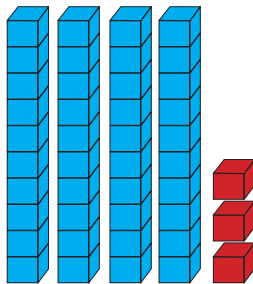


10

9

$$10 + 9 = 19$$

43



10

10

10

10

3

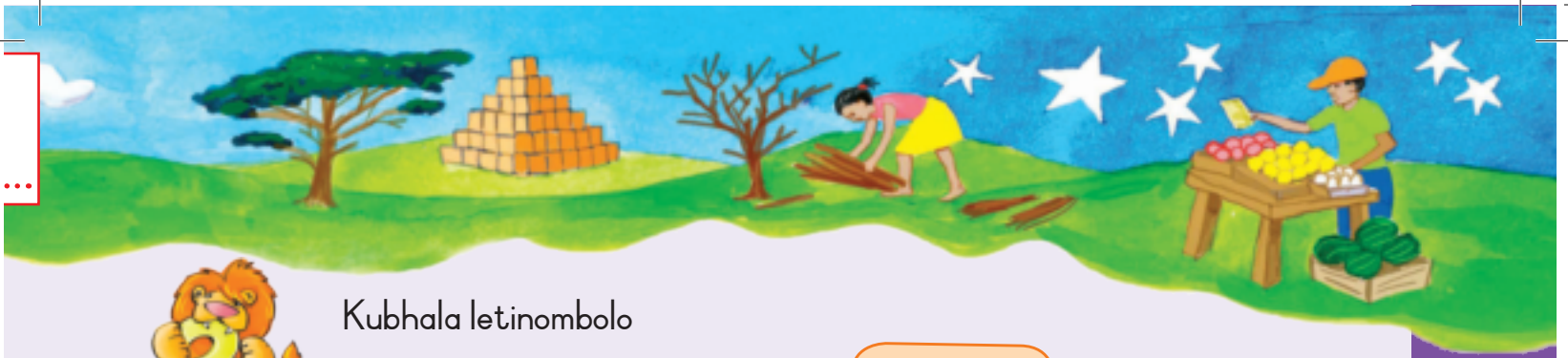
$$40 + 3 = 43$$

Ase utentele letinombolo usebentise lokujutjiwe I.

54

35

69



Kubhala letinombolo

Sikwentele yekucala

Singasho nekutsi  
9 wabo l.

| 19 | 10 + 9 | 1 Lishumi + 9 emayunithi | Lishumi nemfica |
|----|--------|--------------------------|-----------------|
| 43 |        |                          |                 |
| 69 |        |                          |                 |
| 54 |        |                          |                 |
| 35 |        |                          |                 |
| 21 |        |                          |                 |
| 73 |        |                          |                 |
| 44 |        |                          |                 |
| 32 |        |                          |                 |
| 89 |        |                          |                 |
| 17 |        |                          |                 |
| 95 |        |                          |                 |
| 56 |        |                          |                 |
| 68 |        |                          |                 |
| 67 |        |                          |                 |



Bhala tinombolo tekucala letisihlanu ngeluhla kusukela kulencane kakhulu kuya kulenkulu kakhulu.

\_\_\_\_\_;

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

11 12 13 14 15 16 17 18 19 20

## Kuhlanganisa nekususa



Indzawo yekutsengisa yaLebo  
Ekuseni Lebo unemaphakethe la-19 emahhabhula.  
Ngesikhatsi sesidlo sasemini usele nemaphakethe lali-13.



a. Mangakhi emaphakethe latsengiswe nguLebo? \_\_\_\_\_

b. Bhala imphendvulo yakho njengemushonombolo.

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

Bhala leminywe imishonombolo lesihlanu kukhombisa imphendvulo lefanako.

$15 - 9 = 6$  \_\_\_\_\_



Kutejwayeta kubala tinombolo  $1 + 2 = 3$

Bhala timphendvulo.

Sebentisa ...

+ - =

|                                 |                                 |                                  |                                  |
|---------------------------------|---------------------------------|----------------------------------|----------------------------------|
| $10 + 5 =$ <input type="text"/> | $11 + 6 =$ <input type="text"/> | $14 - 9 =$ <input type="text"/>  | $14 - 8 =$ <input type="text"/>  |
| $11 + 5 =$ <input type="text"/> | $17 + 2 =$ <input type="text"/> | $19 - 7 =$ <input type="text"/>  | $14 - 5 =$ <input type="text"/>  |
| $12 + 6 =$ <input type="text"/> | $3 + 13 =$ <input type="text"/> | $16 - 5 =$ <input type="text"/>  | $16 - 13 =$ <input type="text"/> |
| $17 + 2 =$ <input type="text"/> | $4 + 15 =$ <input type="text"/> | $15 - 10 =$ <input type="text"/> | $19 - 7 =$ <input type="text"/>  |



Imindeni yetinombolo

5

9

14

Nati tibonelo talomndeni-nombolo.

|              |              |
|--------------|--------------|
| $9 + 5 = 14$ | $5 + 9 = 14$ |
| $14 - 9 = 5$ | $14 - 5 = 9$ |





Ungayitfola yini yonkhe imindeni-nombolo ya 14?

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| $1 + 13 = 14$ | $13 + 1 = 14$ | $14 - 1 = 13$ | $14 - 13 = 1$ |
| $2 + 12 =$    |               |               |               |
| $3 + 11 =$    |               |               |               |
| $4 + 10 =$    |               |               |               |
| $5 + 9 =$     |               |               |               |
| $6 + 8 =$     |               |               |               |
| $7 + 7 =$     |               |               |               |



Ngitawenta njalo  
nange-12

12

|               |  |  |  |
|---------------|--|--|--|
| $1 + 11 = 12$ |  |  |  |
| $2 + 10 = 12$ |  |  |  |
| $3 + 9 = 12$  |  |  |  |
| $4 + 8 = 12$  |  |  |  |
| $5 + 7 = 12$  |  |  |  |
| $6 + 6 = 12$  |  |  |  |



Teacher:  
Sign:  
Date:

11 12 13 14 15 16 17 18 19 20

6

Lusuku:

## Kuphindza kabili nekuhhafula

Uyakhumbula?

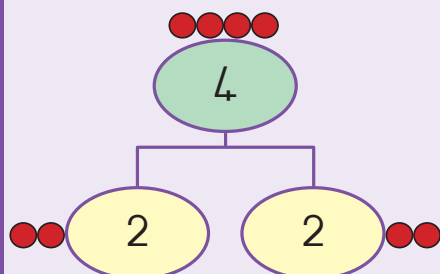
2 yihhafu ya-4

4 kuphindza kabili ku-2

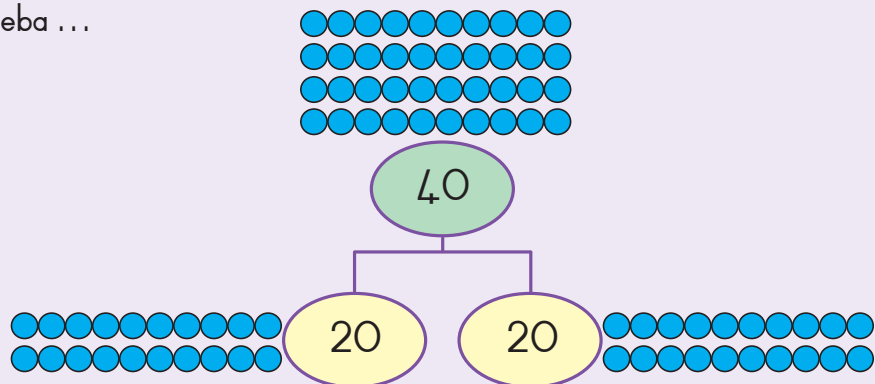
20 yihhafu ye-40

40 kuphindza kabili ema-20

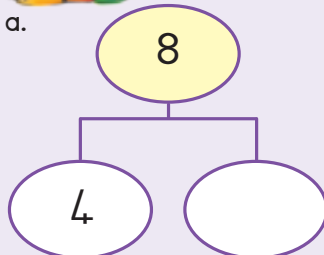
Singakukhombisa loku ngekudvweba ...



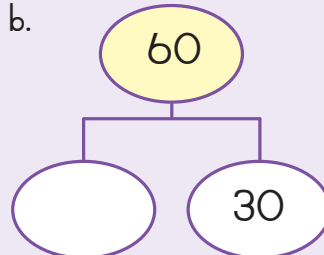
Tfola letiphindvwe kabili nobe emahhafu



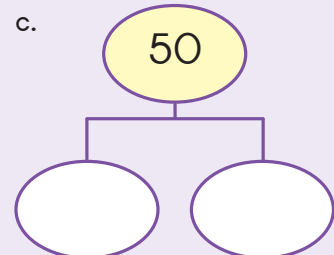
a.



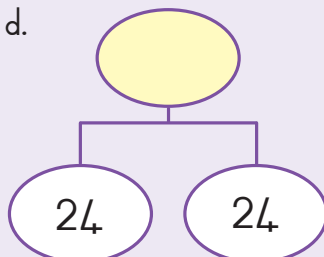
b.



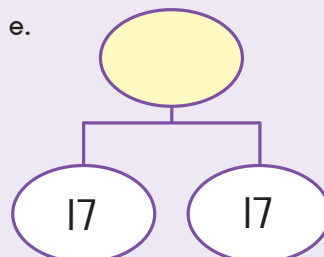
c.



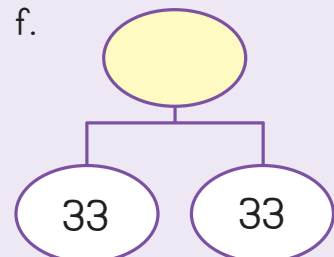
d.



e.



f.



Insayeya

Tfola ihhafu ya 3.

Khombisa njengenombolo noma ligama-nombolo.

Umdvwebo ungahle ukusite.



Phindza letinombolo usebentisa imigcanombolo.  
Uniketiwe sibonelo sekucala.

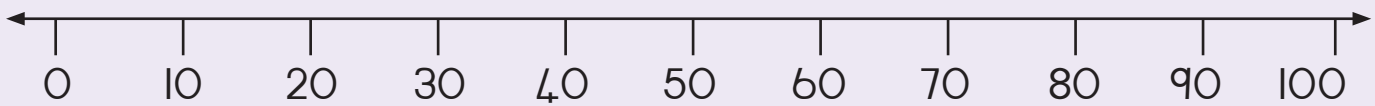
Phindza 4  +  =



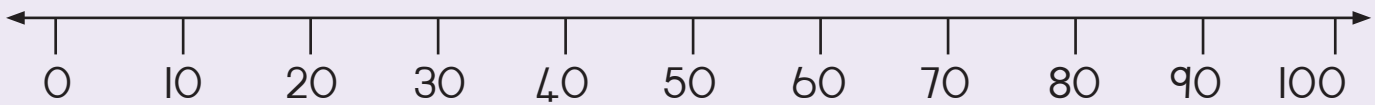
Phindza 5  +  =



Phindza 20  +  =



Phindza 40  +  =



Cedzela loku lokulandzelako

|               |   |
|---------------|---|
| a. Phindza 1  | 2 |
| b. Phindza 6  |   |
| c. Phindza 10 |   |
| d. Phindza 30 |   |
| e. Phindza 50 |   |



Cedzela loku lokulandzelako

|               |   |
|---------------|---|
| a. Hhafula 6  | 3 |
| b. Hhafula 8  |   |
| c. Hhafula 14 |   |
| d. Hhafula 60 |   |
| e. Hhafula 70 |   |



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



## Emafrakishini

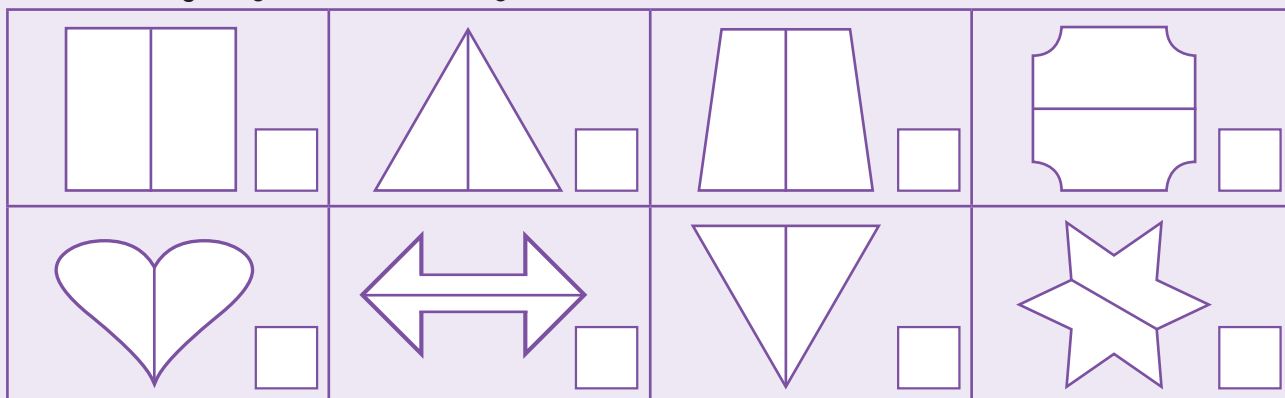
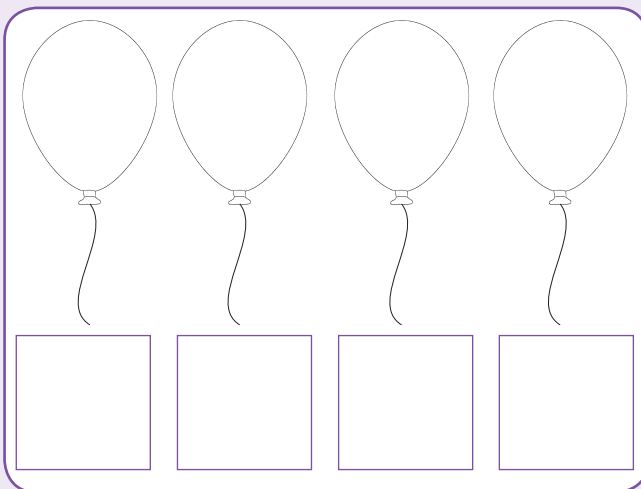
Faka umbala lobovu ekoteni yinye yemabhaluni,  
kulawa lamanye ufake lolingangane.

Faka umbala lobovu ehhafini yelibhoksi ngalinye.



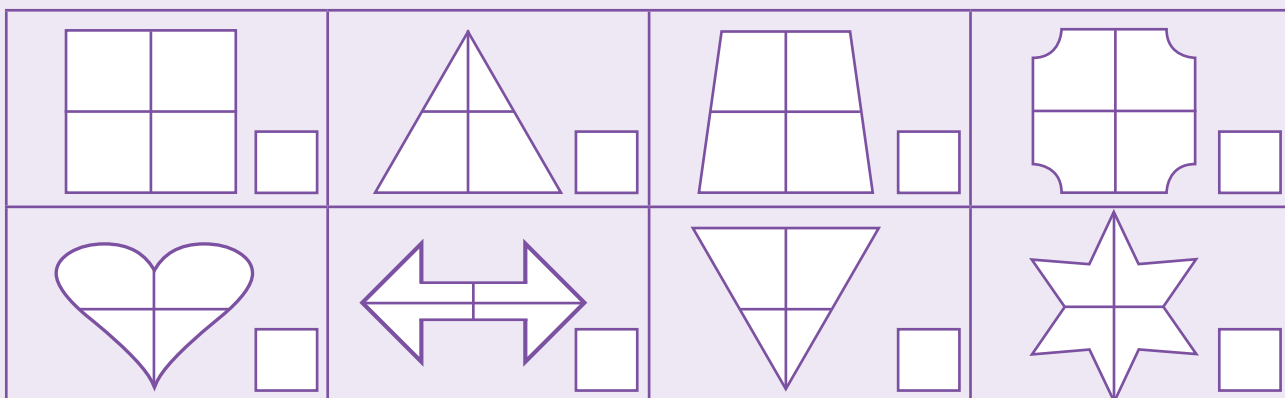
Bukisisa bobunjwa. Faka luphawu  
bobunjwa labakhomba boh hafu.

Faka umbala ehhafini yinye  
yabunjwa lohlukaniswe ngaboh hafu.



Bukisisa labobunjwa. Faka luphawu bobunjwa labakhomba emakota.

Faka umbala ekoteni yinye kuloyo naloyo bunjwa lohlukaniswe ngemakota.





Faka umbala ehhafini yalabobunjwa. Ngubani ihhafu yenombolo yalabobunjwa?

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |



Faka umbala ekoteni yalabobunjwa. Ngubani ikota yenombolo yalabobunjwa?

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |



Bhala usebentisa inkhomba yefrakishini.

Ihhafu

Ikota

Dvweba labanye bobunjwa kwenta labohhafu balingane.






Dvweba labanye bobunjwa kwenta lamakota alingane.







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

## Kwehlukana imali



Esitokifeleni

Make LaLubisi ubala futsi ehlukana imali ecenjini.



Linganisa linani leliphelele. R \_\_\_\_\_

Bala imali. R \_\_\_\_\_

Catsanisa tilinganiso  
nemathothali.

Konga imali

Gugu wongela emapheya eticatfulo letibita R89.

Kwalyalo unehhafu yalelinani.

Weswela malini ngetulu?

Bhala umushonombolo kukhombisa imphendvulo yakho.







## Ebhange

Maria upakisha imali yemaphepha  
ngetincumbi teti-5.

Unemali yemaphepha lesele.

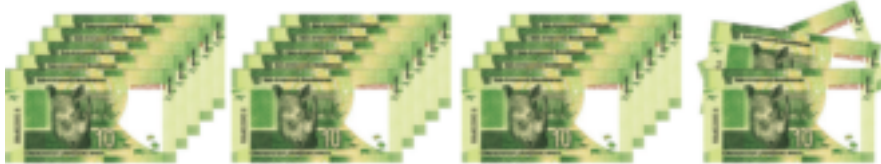
Bhala emathothali esitfombe ngasinye.



Linani



R \_\_\_\_\_



R \_\_\_\_\_



R \_\_\_\_\_



## Insayeya

Kuvakasha eZu

Bantfu labadzala nebantfwana baya eZu.

Batsenga emathikithi ngema-R90.

Bangakhi bantfwana? \_\_\_\_\_

Bangakhi labadzala? \_\_\_\_\_

Ngabe ikhona lenye imphendvulo?

Labadzala \_\_\_\_\_ Bantfwana \_\_\_\_\_



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



q

Lusuku:

# Emaphethini

Ithemu I



Sebentisa lebhodi-nombolo ya 200 kuphendvula imibuto.

|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
| 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  |
| 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |
| 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  |
| 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | 49  | 50  |
| 51  | 52  | 53  | 54  | 55  | 56  | 57  | 58  | 59  | 60  |
| 61  | 62  | 63  | 64  | 65  | 66  | 67  | 68  | 69  | 70  |
| 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  |
| 81  | 82  | 83  | 84  | 85  | 86  | 87  | 88  | 89  | 90  |
| 91  | 92  | 93  | 94  | 95  | 96  | 97  | 98  | 99  | 100 |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 |
| 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |
| 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 |
| 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 |
| 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 |
| 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 |
| 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 |
| 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 |
| 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 |
| 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 |



Sebentisa ibhodi-nombolo ya 200 kucedzela letinombolo letine letilandzelako kulamaphethini etinombolo. Chubeka ufake umbala kuphethini lekubhodi-nombolo.

|                               |                               |
|-------------------------------|-------------------------------|
| 105, 110, 115, __, __, __, __ | 87, 90, 93, __, __, __, __    |
| 36, 40, 44, __, __, __, __    | 184, 186, 188, __, __, __, __ |
| 70, 65, 60, __, __, __, __    | 138, 135, 132, __, __, __, __ |
| 180, 176, 172, __, __, __, __ | 14, 12, 10, __, __, __, __    |



Bhala tinombolo letilandzelako kuphethini ngayinye. Chubeka ufake umbala kuphethini. Yini loyibonako ngemaphethini lanembala munye?

Kubala ngesihlanu.

|  |  |  |   |  |  |  |    |
|--|--|--|---|--|--|--|----|
|  |  |  | 5 |  |  |  | 10 |
|  |  |  |   |  |  |  |    |
|  |  |  |   |  |  |  |    |
|  |  |  |   |  |  |  |    |
|  |  |  |   |  |  |  |    |
|  |  |  |   |  |  |  |    |

Kubala ngakubili.

|  |   |  |   |  |  |  |  |
|--|---|--|---|--|--|--|--|
|  | 2 |  | 4 |  |  |  |  |
|  |   |  |   |  |  |  |  |
|  |   |  |   |  |  |  |  |
|  |   |  |   |  |  |  |  |
|  |   |  |   |  |  |  |  |
|  |   |  |   |  |  |  |  |

Kubala ngakutsatfu

|  |   |  |   |  |  |  |
|--|---|--|---|--|--|--|
|  | 3 |  | 6 |  |  |  |
|  |   |  |   |  |  |  |
|  |   |  |   |  |  |  |
|  |   |  |   |  |  |  |
|  |   |  |   |  |  |  |
|  |   |  |   |  |  |  |

Kubala ngalokulishumi

|  |  |  |  |  |  |  |    |
|--|--|--|--|--|--|--|----|
|  |  |  |  |  |  |  | 10 |
|  |  |  |  |  |  |  |    |
|  |  |  |  |  |  |  |    |
|  |  |  |  |  |  |  |    |
|  |  |  |  |  |  |  |    |
|  |  |  |  |  |  |  |    |



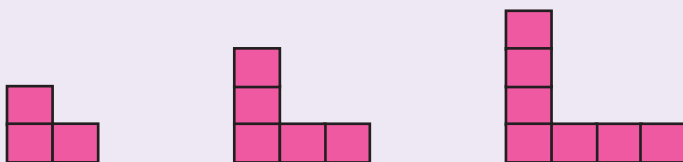
Nweba lephethini



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



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



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



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

11 12 13 14 15 16 17 18 19 20

## Emabhola, emabhokisi nemibhoshongo



Kipilitela emabhokisi ngembala lolingangane, emabhola ngalobovu, emasilinda wona ngaloluhlata.



Faka umbala emphendvulweni lengiyo.



Libhokisi

kuyashelela

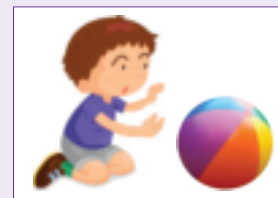
kuyagicika



Isilinda

kuyashelela

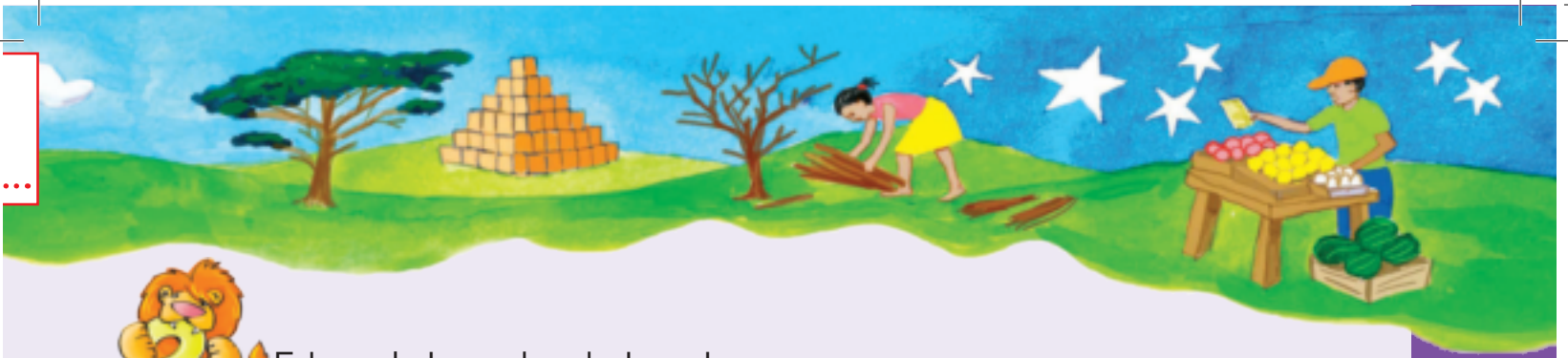
kuyagicika



Ibhola

kuyashelela

kuyagicika



Faka umbala emphendvulweni lengiyo.



|                     |
|---------------------|
| umnye leyoindilinga |
| umnye locondzile    |



|                     |
|---------------------|
| umnye leyoindilinga |
| umnye locondzile    |



|                     |
|---------------------|
| umnye leyoindilinga |
| umnye locondzile    |



|                     |
|---------------------|
| umnye leyoindilinga |
| umnye locondzile    |



|                     |
|---------------------|
| umnye leyoindilinga |
| umnye locondzile    |



|                     |
|---------------------|
| umnye leyoindilinga |
| umnye locondzile    |



|                     |
|---------------------|
| umnye leyoindilinga |
| umnye locondzile    |



|                     |
|---------------------|
| umnye leyoindilinga |
| umnye locondzile    |



Shano kutsi ibhola isemuva, isembikwelibhokisi, eceleni noma ngetulu kwalo.



|             |         |
|-------------|---------|
| ngemuva     | embikwe |
| eceleni kwe | etukwe  |



|             |         |
|-------------|---------|
| ngemuva     | embikwe |
| eceleni kwe | etukwe  |



|             |         |
|-------------|---------|
| ngemuva     | embikwe |
| eceleni kwe | etukwe  |



|             |         |
|-------------|---------|
| ngemuva     | embikwe |
| eceleni kwe | etukwe  |





Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





Lusuku:

Ithemu I

## Dvweba, unikete ligama, bese ucatsanisa labobunjwa bebusobubili (i2D)



Dvweba bobunjwa

Calantsatfu

Indilinga

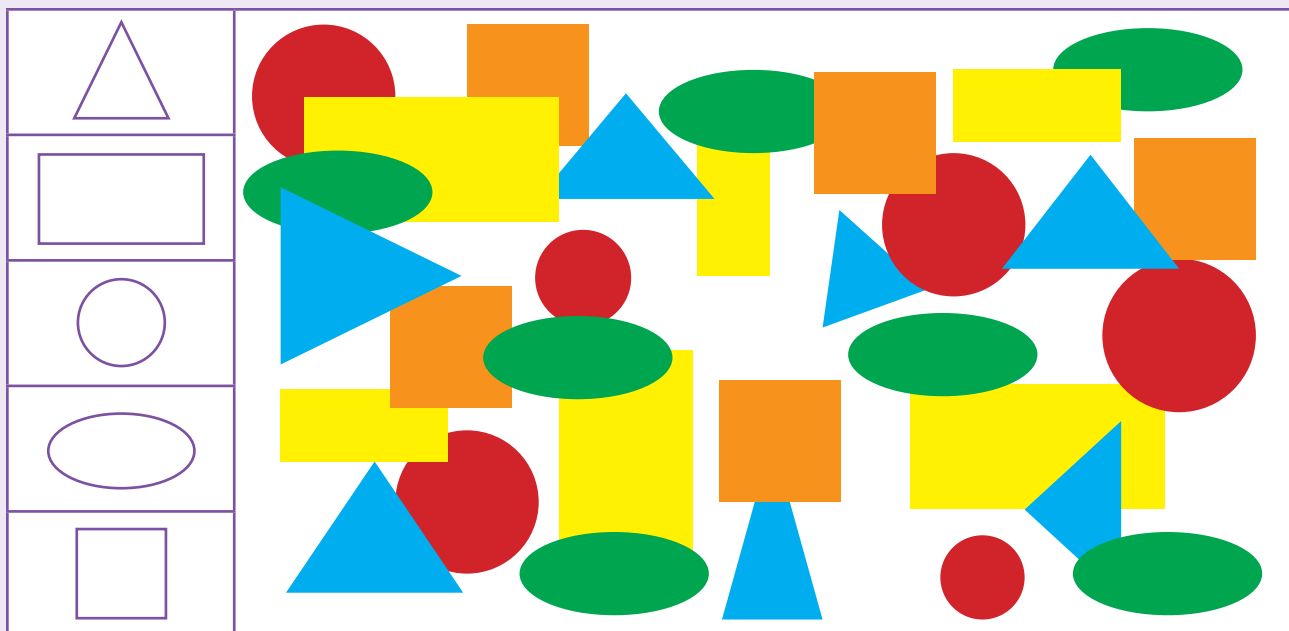
Sikwele

Calandze



Bala labobunjwa

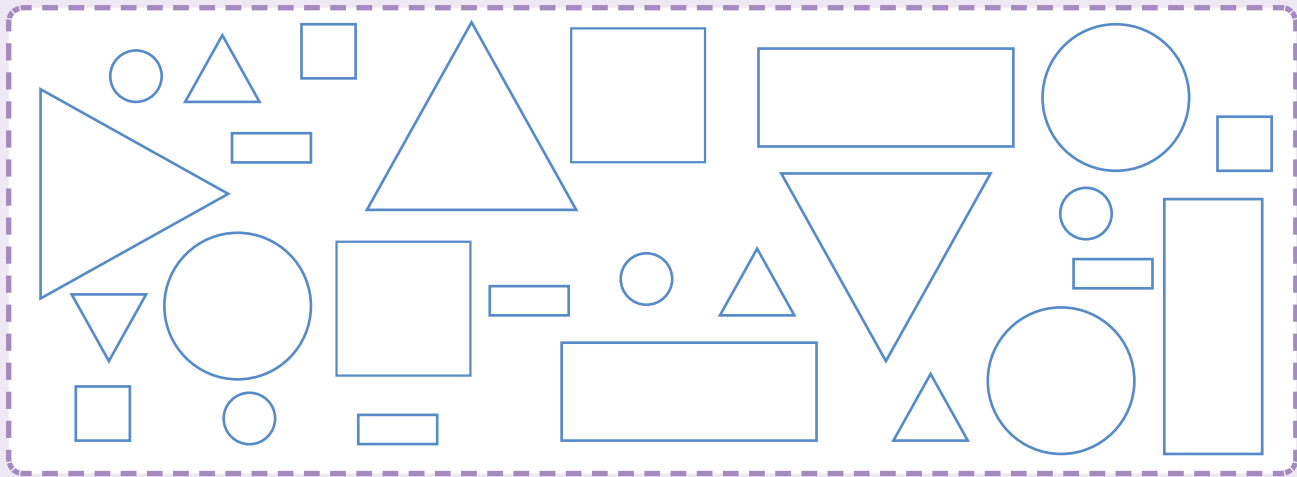
Bala kutsi bangakhi bobunjwa labafana nalona longabatfola kulesitfombe.





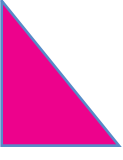
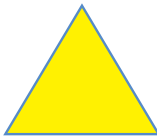
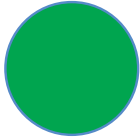
## Faka umbala

lobovu kutotonkhe tindilinga letinkhulu, loluhlata kuletincane; lolingangane kubocalantsatfu labakhulu, loliphuti kulabancane, mtfubi etikweleni letinkhulu, letincane losamsobo; lonsundvu kubocalandze labakhulu, lophinki kubocalandze labancane.



## Mangakhi emacala?

Bunjwa ngamunye unamangakhi emacala? Bhala inombolo kuleyo bhuloki. Sikwentele kunye. Lamacala acondzile nobe atindilinga? Faka umbala emphendvulweni lengiyo.

|                                                                                                                |                                                                                                                |                                                                                                                 |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <br>kucondzile    indilinga | <br>kucondzile    indilinga | <br>kucondzile    indilinga | <br>kucondzile    indilinga |
| <br>kucondzile    indilinga | <br>kucondzile    indilinga | <br>kucondzile    indilinga  | <br>kucondzile    indilinga |



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

## Kwendlula kwesikhatsi



## Fundza sikhatsi

Ngabe lamawashi akhombisa tiphi tikhatsi?



\_\_\_ enhloko

\_\_\_ enhloko

\_\_\_ enhloko

\_\_\_ enhloko



## Zuba ngasewashini

Sita Gundvanyana kubala imizuzu ngabo 5.  
Cala kuli-12. Bala ufike ekugcineni.

Mingakhi imizuzu loyibalile? \_\_\_\_\_

Mingakhi imizuzu e-aweni li-1? \_\_\_\_\_



## Bhala sikhatsi

Dweba tandla kukhombisa tikhatsi.



lishumi nesihlanu  
emva kwa 6



igabence yesi 8



lishumi nesihlanu  
embi kwa 11



lishumi nesihlanu  
emva kwa 5



Tumi uya esikolweni.



Usuka ekhaya.



Ufika esikolweni.

Ngabe Tumi utsatsa sikhatsi lesingakanani? \_\_\_\_



Lilanga lekubhaka

Maria ubhaka sinkhwa.



Sinkhwa singena  
ku-avini.



Sinkhwa  
siyaphuma.



Sinkhwa sibhakeka imizuzu le \_\_\_\_.



Insayeya

Kusikhatsi lesiphindziwe

a. Gacula lama-awa aye kumizuzu.

|         |    |   |   |   |
|---------|----|---|---|---|
| Ema-awa | 1  | 2 | 4 | 8 |
| Imizuzu | 60 |   |   |   |

b. Jabu utsatsa imizuzu lengema - 45 kufika esikolweni. Tumi utsatsa sikhatsi lesiphindvwe kabili kulesi. Ngabe Tumi utsatsa ema-awa lamangakhi kufika esikolweni? \_\_\_\_

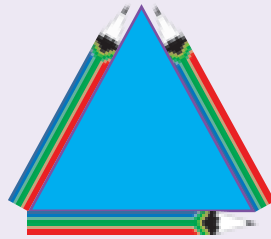
Ngikhona kubona  
iphethini.



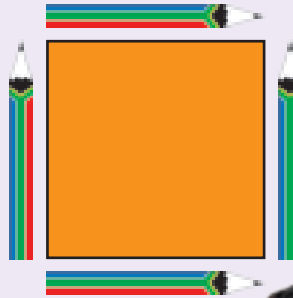
11 12 13 14 15 16 17 18 19 20



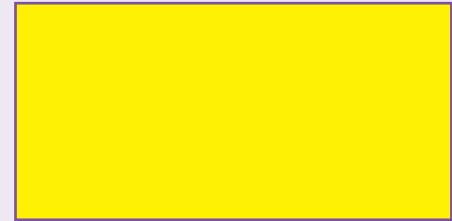
## Kukala libanga



Sekawonkhe  
lamacala  
alocalantsatfu  
angemapeniseli  
lama-3 budze.



Sekawonkhe  
lamacala  
alesikwele  
angemapeniseli  
lama-4 budze.



Engabe localandze  
unganani budze  
nebubanti?

Tingakhi tipeniseli letingangena ngebudze kulocalandze?

Tingakhi tipeniseli letingangena ngebubanti kulocalandze?

Budze



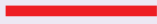
Bubanti

Utisebentise kanjani tipeniseli kubala?

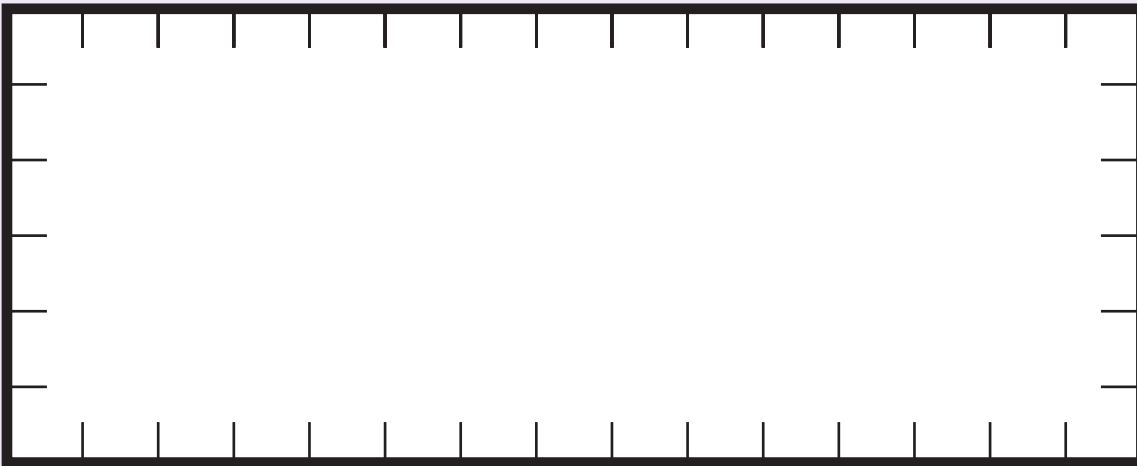


## Budze lobuyimfihlo

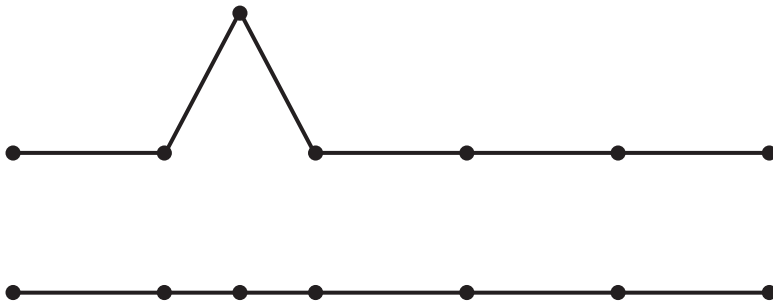
a. Mingakhi imigca lebovu loyidzingako kumbonya lomugca lomnyama ?



b. Mingakhi imigca lebovu loyidzingako kuhamba ugegelete wonkhe localandze?



c. Nguyiphi lendze indlela, lengetulu nobe lengaphasi, nobe iyafana?



Imphendvulo \_\_\_\_\_

Kungani? \_\_\_\_\_



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



## Umtsamo

Lesikotela singatsatsa tinkomishi letili-10 temanti. Sevele ngifake letimbili tipunu kulenkomishi.

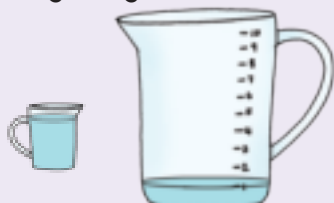
Kusele tingakhi tinkomishi temanti kutsi lesikotela sigcwale?



Tingakhi tinkomishi temanti letikulesikotela?

Sidzinga tingakhi tinkomishi kutsi sigcwalise lesikotela?

a.



Esikoteleni

1

Sidzinga lokungetulu

9

b.



Esikoteleni

Sidzinga lokungetulu

c.



Esikoteleni

Sidzinga lokungetulu

d.



Esikoteleni

Sidzinga lokungetulu

e.



Esikoteleni

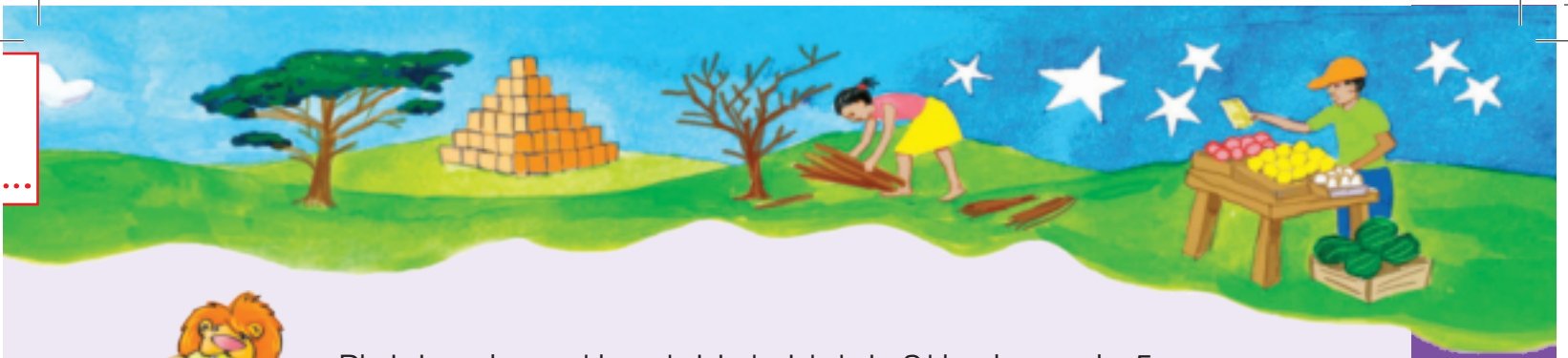
Sidzinga lokungetulu

f.

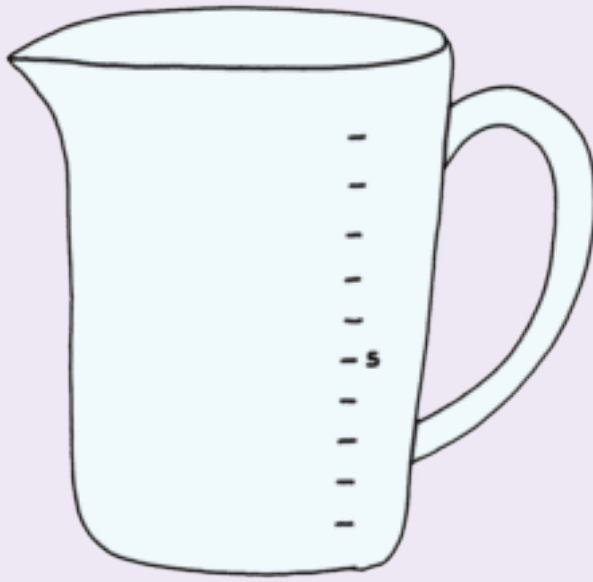


Esikoteleni

Sidzinga lokungetulu



Bhala letigaba temikhatsi kulelijeke lekukala. Sikhombise sigaba 5.



Nangabe inkomishi yinye ifika kumkhawusikalo 2, udzinga tingakhi tinkomishi kugcwalisa lijeke kufike ku?

- a. 4 \_\_\_\_\_
- b. 6 \_\_\_\_\_
- c. 8 \_\_\_\_\_
- d. 10 \_\_\_\_\_



Faka luphawu tikotela letimumatsa ilitha yinye yemanti.















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



## Sisebenta ngesisindvo



Asilinganiseni sisindvo setfu!

Kutfofa kutsi, **sisindza** nobe **simalula** ngakanani, sisebentisa sikali.

Silinganiso sisindvo ngemakhilogramu. Sisebentisa lesifinyeto: kg.

Ngubani lonesisindvo lesikhulukati?



41 kg



38 kg



41 kg



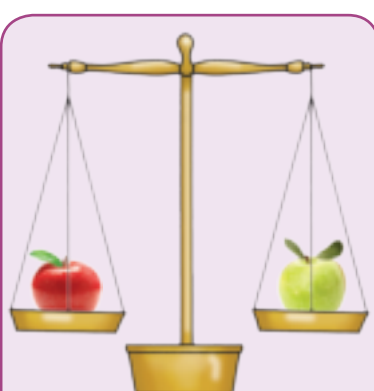
42 kg



39 kg

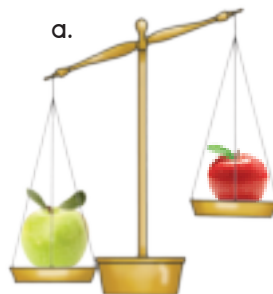


Sisebentisa sikali - masimama kukala sisindvo.

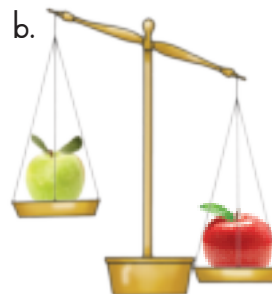


Kulesikali omabili emahhabhula esindza ngekulingana.

a.



b.



Phendvula umbuto: bhala a noma b.

Ngukusiphi sikali lapho khona lihhabhula leliluhlata

limatingana kunelihhabhula lelibovu

☐

Ngukusiphi sikali lapho khona lihhabhula leliluhlata

limalulana kunelihhabhula lelibovu

☐



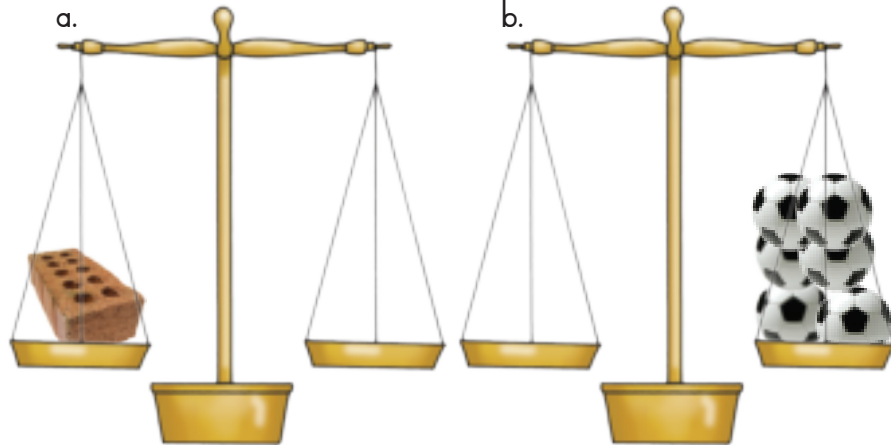
Linganisa sikali.

Sikwentele kwekucala.



Titini letimbili tinesisindvo lesilinganako nemabhola lamane.

Dvweba kutsi tingakhi titini noma emabhola lowadzingako kwenta letikali tisimame.



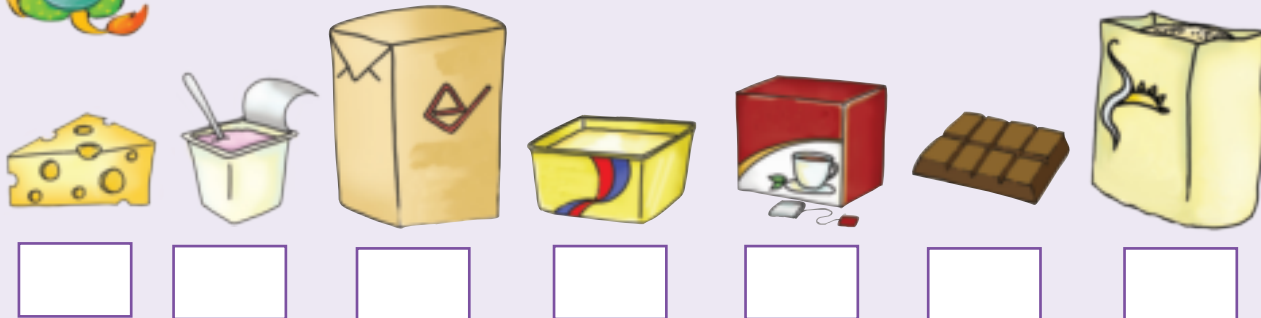
Nangabe liphasela linye linesisindvo lesingu 3 kg, emaphasela lama-2 nama-3 atawusindza kangakanani?

- 2 emaphasela \_\_\_\_\_
- 3 emaphasela \_\_\_\_\_
- Ngingawakala yini emaphasela lama-4 ngasikhatsi sinye kulesikali sasekhishini? \_\_\_\_\_

Usho ngani? \_\_\_\_\_



Faka luphawu ebhulokini yemphendvulo lenetintfo letinesisindvo sa 1 kg.





## Kusebenta ngeminingwane

Ticatfulo ekilasini



Fundza lendzaba.

Thabo: Hawu, Nkhosikati! Jack sidlakela! Ugcoka sayizi 6 weticatfulo!

Nkhs Khoza: Kulungile! Yebo, Thabo, loko kukhulu kumntfwana lonemfica yemnyaka budzala! Wena Thabo ugcoka sayizi bani weticatfulo? Ngabe likilasi selilonkhe ligcoka sayizi bani weticatfulo? Asenteni umklamo!

Bafundzi abasho emasayizi eticatfulo tabo, ngamunye ngamunye.

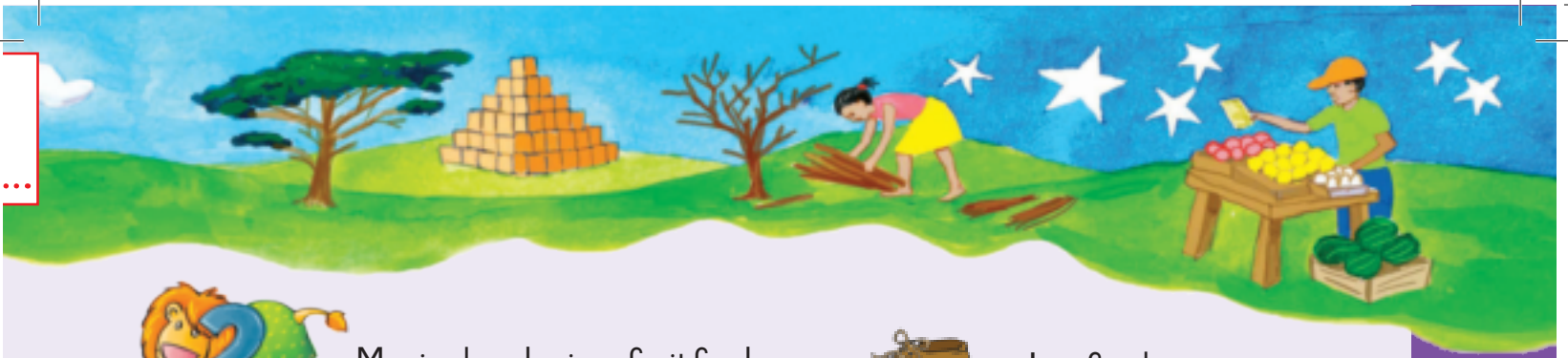
Make Khoza ubala emasayizi ebhodini.

Make Khoza: Bala, bese ubhala kutsi mangakhi emasayizi ngayinye etafuleni.

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 3 | 1 | 2 | 3 | 1 | 4 | 3 | 2 | 3 |
| 2 | 3 | 2 | 6 | 2 | 2 | 3 | 3 | 3 | 4 | 3 |
| 4 | 2 | 2 | 3 | 3 | 5 | 3 | 2 | 2 | 2 | 1 |
| 1 | 1 | 2 | 4 | 2 | 3 | 2 | 3 | 4 | 2 | 4 |
| 4 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 4 | 3 |

Gcwalisa lelithebula ngaphasi.

| Emasayizi eticatfulo ekilasini |           |           |           |           |           |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|
| Isayizi 1                      | Isayizi 2 | Isayizi 3 | Isayizi 4 | Isayizi 5 | Isayizi 6 |
|                                |           |           |           |           |           |



Manje dvweba igrafusitfombe.



= 1 umfundzi

|                          |           |           |           |           |           |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| <br><br><br><br><br><br> |           |           |           |           |           |
| Isayizi 1                | Isayizi 2 | Isayizi 3 | Isayizi 4 | Isayizi 5 | Isayizi 6 |



Nyalo phendvula lemibuto.

- Bafundzi labanyenti bagcoka yiphi isayizi yeticatfulo \_\_\_\_\_.
- Linani lelincane ligcoka isayizi \_\_\_\_\_.
- \_\_\_\_\_ webantfwana bahlanganye le kulomklamo.



Nine-ke nigcoka yiphi isayizi?

Tfola kutsi wena nebangani bakho nigcoka waphi emasayizi!

- Sebentani ngemacembu alaba-6 nalabasi-8.
- Gcogca idatha yakho.
- Bhala lelinani lemasayizi eticatfulo etafuleni.
- Catsanisa timphendvulo nalamanye emacembu.



Teacher:  
Sign:  
Date:

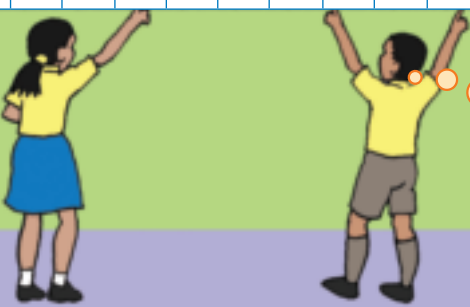
11 12 13 14 15 16 17 18 19 20



## Catsanisa uphindze uhlelembise tinombolo

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

Nguyiphi inombolo lesembikwe - 84?  
Nguyiphi lengemuva kwe - 84?



Nguyiphi inombolo lesemkhatsini we - 88 ne - 90?



























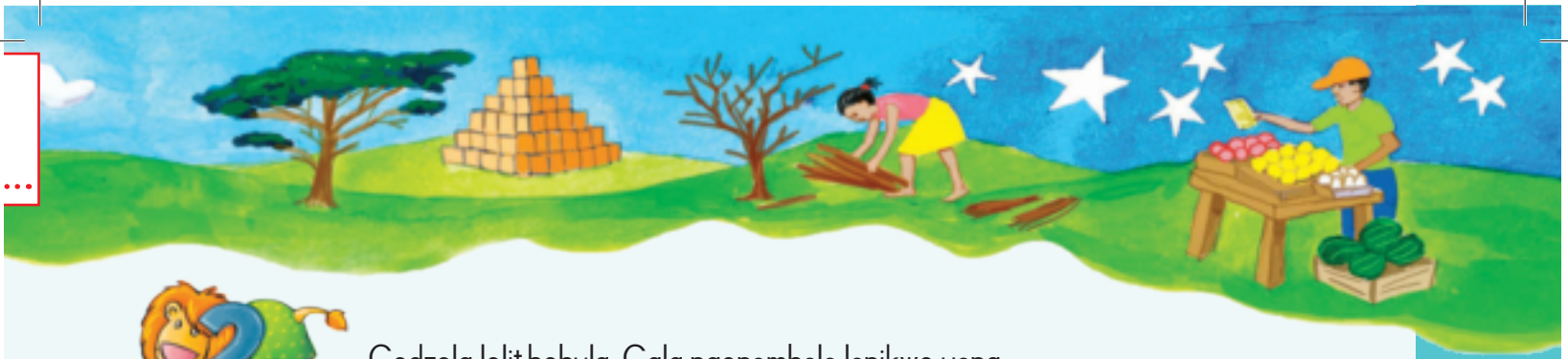


Gcwalisa tinombolo letishiyiwe.

|    |  |  |  |  |  |    |  |  |     |
|----|--|--|--|--|--|----|--|--|-----|
| 51 |  |  |  |  |  |    |  |  |     |
|    |  |  |  |  |  | 67 |  |  |     |
| 71 |  |  |  |  |  |    |  |  |     |
|    |  |  |  |  |  |    |  |  |     |
|    |  |  |  |  |  |    |  |  | 100 |

Sebentisa libhodi nombolo kuphendvula lemibuto

- Nguyiphi inombolo lesembikwe - 68? \_\_\_\_\_
- Nguyiphi inombolo lesemva kwe - 68? \_\_\_\_\_
- Bhala phasi tinombolo letisihlanu letincane kune - 71. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- Bhala phasi tinombolo letisihlanu letingetulu kwe - 71. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- Ngutiphi tinombolo letisemkhatsini we - 79 ne - 84? \_\_\_\_\_
- Bhala tinombolo kusukela kulencane kuya kulenkulu. 73, 52, 50, 59, 61  
\_\_\_\_\_
- Bhala tinombolo kusukela kulenkulu kuya kulencane. 74, 96, 99, 91, 38  
\_\_\_\_\_



Cedzela lelithebula. Cala ngenombolo lonikwe yona.

|    | lenkhulu<br>ngakunye | lencane<br>ngakunye | lengetulu<br>ngelishumi | lengephasi<br>ngelishumi |
|----|----------------------|---------------------|-------------------------|--------------------------|
| 25 |                      |                     |                         |                          |
| 39 |                      |                     |                         |                          |
| 74 |                      |                     |                         |                          |
| 56 |                      |                     |                         |                          |
| 40 |                      |                     |                         |                          |



Kipilitela inombolo lenkhulu kakhulu.

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 78 | 87 | 17 | 36 | 63 | 33 |
|----|----|----|----|----|----|

Kipilitela inombolo lencane kakhulu.

|    |    |   |    |    |    |
|----|----|---|----|----|----|
| 99 | 19 | 9 | 14 | 41 | 40 |
|----|----|---|----|----|----|



Nangabe < asho **lokuncane** kuna, kani > usho **lokukhulu** kuna, cedzela:

$$32 \quad < \quad 64 \qquad 23 \quad > \quad 18$$

$$57 \quad \boxed{\phantom{00}} \quad 98 \qquad 89 \quad \boxed{\phantom{00}} \quad 57$$



Tfola tinombolo letisi -5 ephephandzabeni letisemkhatsini we -50 ne -99 bese utinamatsisela lapha ngekulandzelana.



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



## Kukhombisa tinombolo usebentisa tintfo

Singakhombisa tinombolo ngemabhuloki emandla-sikhundla.

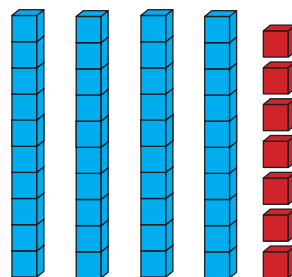
Libhuloki lelincane limele ku-I. Liyiyunithi.

Indvuku leneli-10 lemabhuloki lamancane imele li-10 Ilishumi.

| Emashumi | Emayunithi |
|----------|------------|
|          |            |

Ungakhombisa inombolo  
ngekusebentisa emashumi  
nemayunithi.

Nayi indlela yekukhombisa ema-47.



| Emashumi | Emayunithi |
|----------|------------|
| 4        | 7          |

emashumi lamane  
nesikhombisa  
47



## Kubhala tinombolo ngemadijithi nangemagama

- a. Ngaphasi kwesitfombe, bhala kutsi mangakhi emashumi nemayunithi.  
Emva kwaloko bhala inombolo ngemadijithi nangemagama.

| Emashumi                   | Emayunithi | Emashumi | Emayunithi | Emashumi | Emayunithi |
|----------------------------|------------|----------|------------|----------|------------|
| 3                          | 1          |          |            |          |            |
| 31                         |            |          |            |          |            |
| mashumi lamatsatfu nakunye |            |          |            |          |            |



2 0 6

2 6

b. Singawasebentisa emakhadi nombolo kukhombisa loku lokungetulu.

| Inombolo | Mangakhi emashumi? | Mangakhi emayunithi? | Bhala lenombolo ngemagama    |
|----------|--------------------|----------------------|------------------------------|
| 26       | 2                  | 6                    | Emashumi lamabili nesitfupha |
| 46       |                    |                      |                              |
| 99       |                    |                      |                              |



Ngubani inombolo?

|          | <p>3 0 5</p> <p>3 5</p>                                                                                                                                                                    | <table border="1"> <tr> <th>Emashumi</th> <th>Emayunithi</th> </tr> <tr> <td>3</td> <td>5</td> </tr> </table> <p>Emashumi lamatsatfu nesihlanu 35</p> | Emashumi | Emayunithi | 3 | 5 |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|---|---|
| Emashumi | Emayunithi                                                                                                                                                                                 |                                                                                                                                                       |          |            |   |   |
| 3        | 5                                                                                                                                                                                          |                                                                                                                                                       |          |            |   |   |
|          | <div style="border: 1px solid blue; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid red; width: 20px; height: 20px; display: inline-block;"></div> | <table border="1"> <tr> <th>Emashumi</th> <th>Emayunithi</th> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p> <p>_____</p>                 | Emashumi | Emayunithi |   |   |
| Emashumi | Emayunithi                                                                                                                                                                                 |                                                                                                                                                       |          |            |   |   |
|          |                                                                                                                                                                                            |                                                                                                                                                       |          |            |   |   |
|          | <div style="border: 1px solid blue; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid red; width: 20px; height: 20px; display: inline-block;"></div> | <table border="1"> <tr> <th>Emashumi</th> <th>Emayunithi</th> </tr> <tr> <td></td> <td></td> </tr> </table> <p>_____</p> <p>_____</p>                 | Emashumi | Emayunithi |   |   |
| Emashumi | Emayunithi                                                                                                                                                                                 |                                                                                                                                                       |          |            |   |   |
|          |                                                                                                                                                                                            |                                                                                                                                                       |          |            |   |   |



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





Fundza

# Kubeka emashumi ndzawonye uma sihlanganisa kufika kuma-99

Nayi indlela yinge yekukhombisa 22.

| Emashumi | Emayunithi |
|----------|------------|
|          |            |

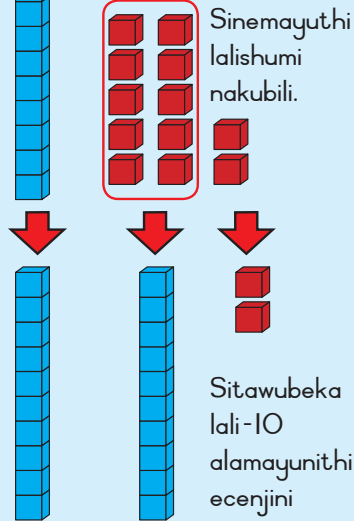
1 lishumi

1 0

12 emayunithi

1 0 2

Sinelishumi linye.



Nyalo sinalenye indlela yekukhombisa 22.

| Emashumi | Emayunithi |
|----------|------------|
|          |            |

2 emashumi

2

2 emayunithi

2

Asihlanganiseni  $27 + 4$ . Lamabhuloki lalingangane ngulawa lesicala ngawo.  
Lawa labovu ngulawa lesiwengetako.

27 ngemashumi lama-2 kanye nemayunithi la-7. Emva kwaloko singengeta lamanye emayunithi la-4.

| Emashumi | Emayunithi |
|----------|------------|
|          |            |

2  
Emashumi

2 0

7 emayunithi  
+ 4 emayunithi

7 4

Sinemashumi lama-2 nemayunithi la-11.

| Emashumi | Emayunithi |
|----------|------------|
|          |            |

Singakhombisa emayunithi la-10  
njengelishumi linye.

2 0 1 0

1

Nyalo sinemashumi lama-3 + 1 yunithi = 31

| Emashumi | Emayunithi |
|----------|------------|
|          |            |

+ =

3

1



Bhala lomushonombolo lokhonjiswe esitfombeni

| Emashumi             | Eyayunithi                                | Emashumi                                                       | Eyayunithi           | Emashumi                                                    | Eyayunithi           |
|----------------------|-------------------------------------------|----------------------------------------------------------------|----------------------|-------------------------------------------------------------|----------------------|
|                      |                                           |                                                                |                      |                                                             |                      |
| <input type="text"/> | <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/>                                        | <input type="text"/> |
| $10 + 5 + 6$         |                                           | $\underline{\quad} + \underline{\quad} + \underline{\quad}$    |                      | $\underline{\quad} + \underline{\quad} = \underline{\quad}$ |                      |

Cedzela letitfombe. Bhala imishonombolo lekxonjiswa sitfombe.

| Emashumi             | Eyayunithi           | Emashumi             | Eyayunithi           | Emashumi             | Eyayunithi           |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                      |                      |                      |                      |                      |                      |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| Emashumi             | Eyayunithi           | Emashumi             | Eyayunithi           | Emashumi             | Eyayunithi           |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                      |                      |                      |                      |                      |                      |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

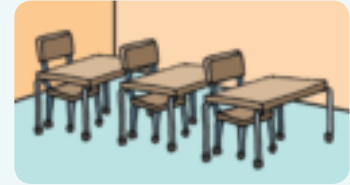


Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_

## Hlanganisa kumugca - nombolo

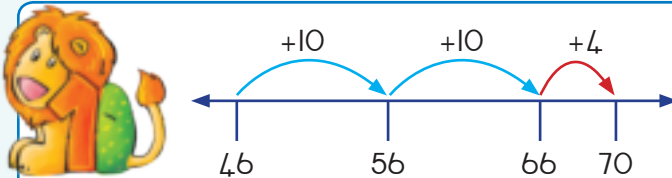
### Hlala edesikini lakho!

Esikolweni setfu umfundzi ngamunye unelidesiki lakhe. Kunebafundzi labama-46 kuLibanga 3A kantsi bangema-24 kuLibanga 3B. Sidzinga mangakhi emadesiki kulamakilasi lamabili?



### Sebenta nemngani

Buka kutsi labafundzi labatsatfu bawusebentise njani umugca - nombolo kucatulula inkinga. Cedzela letibalo ngekusebentisa lesibonelo.



Loku nguloku lengikwentako: Ngicala ngekwengeta li-10. Loku kunginiketa ema-56. Ngibese ngizuba lelinye li-10 kufika kuma-66. Futsi kwekugcina, ngizuba lomunye 4 kufika kuma-70.

Yikhombise ngemakhadi nombolo akho

$$\begin{aligned}
 &= 46 + 10 + 10 + 4 \\
 &= 56 + 10 + 4 \\
 &= 66 + 4 \\
 &= 70
 \end{aligned}$$

Kumele  
ngihlanganise ema-  
24 kuma-46.



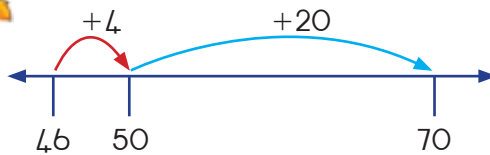
a.  $32 + 25 =$





b.  $52 + 26 =$

c.  $46 + 25 =$



Kumele  
ngihlanganise  
ema-24 kuma-46.



Loku nguloku lengikwentako: Kwekucala ngizuba-4. Loku kutangiletsa kuma-50. Ngingaphindze ngizube ema-20 futsi, lokungiletsa kuma-70.

Yikhombise ngemakhadi nombolo akho.

$$\begin{aligned}
 &= 40 + 10 + 20 \\
 &= 50 + 20 \\
 &= 70
 \end{aligned}$$

a.  $36 + 41 =$

Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



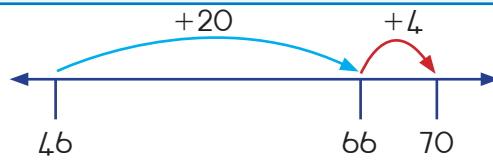
# 20b

Lusuku:

Ithemu I

## Hlanganisa kumugca-nombolo (siyachubeka)

b.  $57 + 19 = \square$



Kumele  
ngihlanganise ema-  
24 kuma-46.



Loku nguloku lengikwentako: Kusuka kuma-46, ngingazuba ema-20. Loku kungiletsa kuma-66. Nyalo kumele ngizube-4 futsi bese sengifika kuma-70.

Singawasebentisa futsi emakhadi nombolo.

$$= 46 + 20 + 4$$

$$= 66 + 4$$

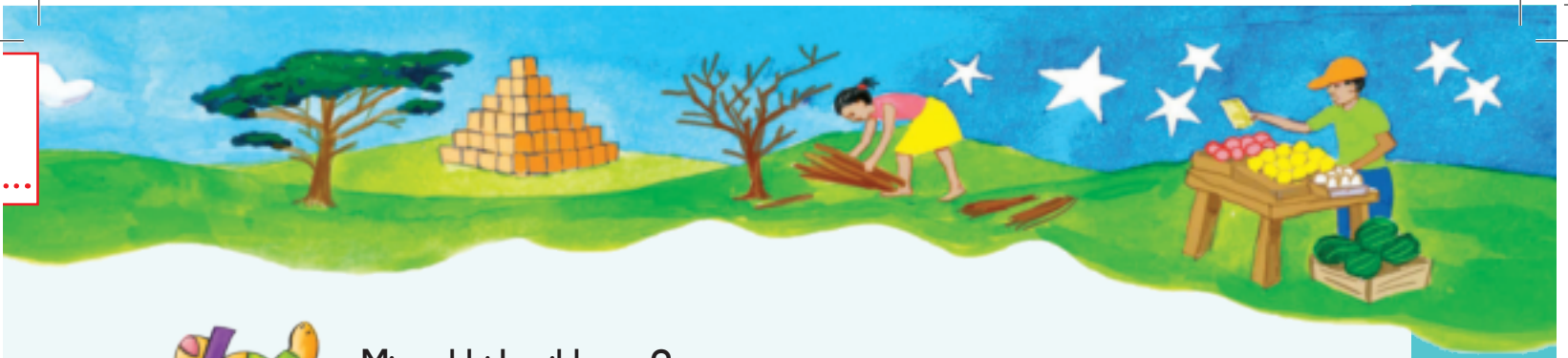
$$= 70$$

a.  $63 + 24 = \square$



b.  $65 + 29 = \square$





Mingakhi lemikhama?

Umbhaki uletsa imikhama lengema-54 etinkhwa letinsundvu  nalengema-68  yaletimhlophe.

a. Mingakhi imikhama seyiyonkhe?

b. Tfola ithothali kumugcanombolo. Khombisa letinombolo nebukhulu bekuzuba.

- Khombisa tinombolo nebudze bekuzuba.



Hlanganisa lolokulandzelako ngaphandle kwekusebentisa umugcanombolo. Sebentisa noma nguyiphi indlela loyitsandzako.

$$38 + 24 =$$

$$58 + 17 =$$

$$75 + 16 =$$

$$83 + 29 =$$



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

11 12 13 14 15 16 17 18 19 20

## Susa kumugca - nombolo

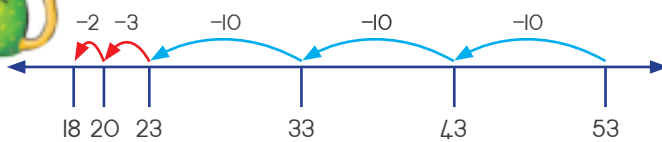
Umfundzi munye! Irula yinge!

Likilasi lidzinga emarula langema - 53. Sinalangema - 35 kuphela.

Mangakhi lamanye lesiwadzingako?  $53 - 35 =$

### Sebenta nemngani

Fundza kutsi labafundzi labatsatfu labafanako bawusebentise njani umugcanombolo lapha. Cedzela letibalo usebentisa lesibonelo.



Kumele ngisuse  
ema - 35 kuma - 53. Kususa  
kusho **kukhipha**.



Ngako-ke, ngitawucala kuma - 53 bese ngiyakhipha. **Ngitawukhipha** li - 10, 10, 10 – loku kungiletsa kuma - **23**. Nyalo ngitawukhipha sihlanu, kwekucala ngikhipha - 3, bese ngifika kuma - **20**. Bese ngikhipha ku - 2 futsi bese ngifika kuli - 18. Ngako-ke sidzinga emarula lali - **18**.

$$= 53 - 10 - 10 - 10 - 3 - 2$$

$$= 43 - 10 - 10 - 3 - 2$$

$$= 33 - 10 - 3 - 2$$

$$= 23 - 3 - 2$$

$$= 20 - 2$$

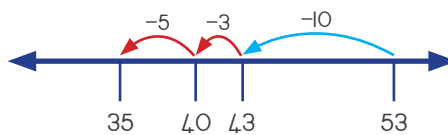
$$= 18$$



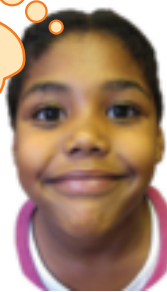
a.  $68 - 24 = \square$

b.  $74 - 38 = \square$

c.  $92 - 87 = \square$



Kususa kusho kutfolo umehluko emkhatsini wema-53 nema-35.



Ngitawucala kuma-53 bese ngibala ngehlela kuma-35 kutfolo umehluko. Uma ngibalela emuva ngeli-10, ngitfolo ema-43. Ngibale ka-3 futsi kutfolo ema-40. Emva kwaloko ngibale ngehle kasi-5 futsi kutfolo ema-35. Li-10 naku-3 nesihlanu kwenta li-18. Ngako-ke sidzinga emarula lali-18 lamanye.

a.  $38 - 14 = \square$



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



# 21b

Lusuku:

Ithemu I

## Susa kumugca - nombolo (siyachubeka)

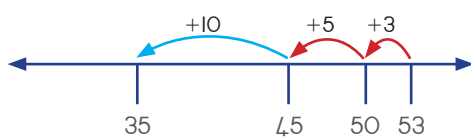
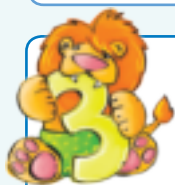
b.  $65 - 43 =$



c.  $72 - 39 =$



d.  $85 - 48 =$



Ngingacala kuma - 35 bese ngibuka kutsi kumele ngizube kangaki kute ngibale ngifike kuma - 53.



Ngingacala kuma - 35 bese ngiyabuka kutsi ngingazuba kangakhi kufika kuma - 53. Lishumi nesihlanu nakutsatfu kwenta li - 18. Sidzinga emarula lali - 18 lamanye.

a.  $84 - 32 =$



b.  $96 - 53 =$

c.  $78 - 19 =$

d.  $63 - 47 =$



Kuhamba ngetekisi

Luhambo ngetekisi kuya edolobheni ngema-65 km.

Kwalyalo letekisi seyihambe ema-38 km.

Kusamele kuhanjwe libanga lelingakanani?

Sebentisa umugcanyombolo kucatulula lenkinga.



km



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

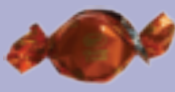


## Luhlelo lwekucala

Busi ucele bonkhe bangani bakhe kutsi bamnikete titfombe tekudla kwelidzili labakutsandzako. Naku lakukolekile. Sita ucatulule.



Bala, futsi ubhale kwekutsi bangakhi bangani labakhetse lolo nalolo hlobo lwekudla.

|                  |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Luhlobo lwekudla |  |  |  |  |
| Inombolo         |                                                                                     |                                                                                     |                                                                                       |                                                                                       |



Dvweba buso bunye (☺) kumntwana ngamunye lokhetsa loko kudla noma sinatfo.





## Kubala ufike ku 200



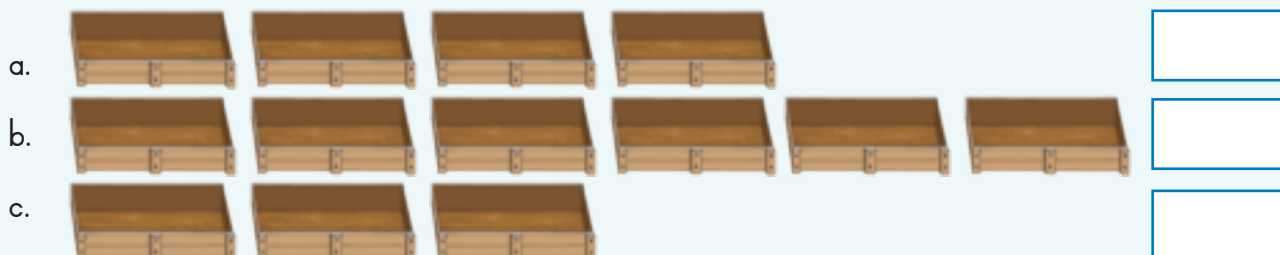
Bala emahhabhula?



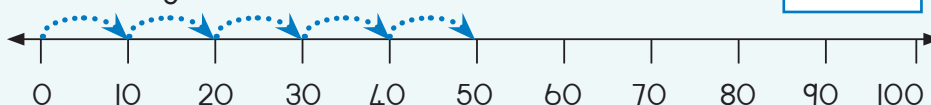
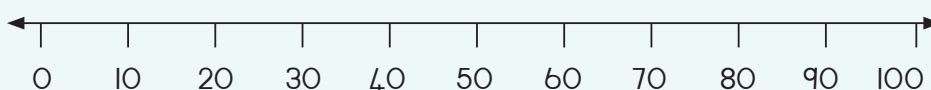
Faka letinombolo

Libhokisi li-I lina  wemahhabhulaLuhele lu-I luna  wemahhabhulaLuhele lu-I luna  wemabhokisiEmahele lama-4 ana  wemahhabhula

Mangakhi ke emahhabhula lesingawafaka kulamabhokisi?



Bala kulomugcanombolo.

a. Ataba mangakhi emahhabhula emabhokisini lasihlanu? b. Ataba mangakhi emahhabhula emabhokisini lasikhombisa? 



Ticheme leti-3  
tema-10 takha

3 0

$3 \times 10 =$

3 0

noma  $10 \times 3 =$

3 0

Ticheme letisi-5  
tema-10 takha

\_\_\_\_\_

$\times$

\_\_\_\_\_

$=$

\_\_\_\_\_

noma

\_\_\_\_\_

$\times$

\_\_\_\_\_

$=$

\_\_\_\_\_

Ticheme leti-2  
tema-10 takha

\_\_\_\_\_

$\times$

\_\_\_\_\_

$=$

\_\_\_\_\_

noma

\_\_\_\_\_

$\times$

\_\_\_\_\_

$=$

\_\_\_\_\_



5 Emapheya etinyawo.

Tingakhi tintwane setitankhe?



$10 + 10 + 10 + 10 + 10 =$

5 0

$5 \times 10 =$

\_\_\_\_\_

noma  $10 \times 5 =$

\_\_\_\_\_

Yenta loku ngendlela lefanako.

4 Emapheya etinyawo. Tingakhi tintwane?

\_\_\_\_\_

$=$

\_\_\_\_\_

$\times$

\_\_\_\_\_

$=$

\_\_\_\_\_

noma

\_\_\_\_\_

$\times$

\_\_\_\_\_

$=$

\_\_\_\_\_

9 Emapheya etinyawo. Tingakhi tintwane?

\_\_\_\_\_

$=$

\_\_\_\_\_

$\times$

\_\_\_\_\_

$=$

\_\_\_\_\_

noma

\_\_\_\_\_

$\times$

\_\_\_\_\_

$=$

\_\_\_\_\_



Bala ngema-10

10, 20, 30, 40, 50, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 200



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20



## Kutilolonga ngeti - 5

Tingakhi tinhlanti? Yenta silinganiso.



Nyalo-ke bala letinhlangi. Tingakhi setitokhe?



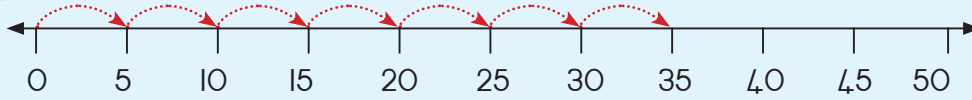
## Bala ngeti - 5

Tfola sibalo lesiphelele semacandza etinhlangi. Bhala umushonombolo wa + na  $\times$ .  
Sikwentele wekucala.

| Inhlanti nemacandza                                    | Mangakhi emacandza sekaphelele? |                   |
|--------------------------------------------------------|---------------------------------|-------------------|
| Tinhlangi letisi - 5, iyinye italela emacandza la - 2  | $2 + 2 + 2 + 2 + 2 = 10$        | $5 \times 2 = 10$ |
| Tinhlangi letisi - 5, iyinye italela emacandza la - 10 |                                 |                   |
| Tinhlangi letisi - 5, iyinye italela emacandza la - 4  |                                 |                   |
| Tinhlangi letisi - 5, iyinye italela emacandza la - 3  |                                 |                   |
| Tinhlangi letisi - 5, iyinye italela emacandza la - 6  |                                 |                   |
| Tinhlangi letisi - 5, iyinye italela emacandza la - 8  |                                 |                   |
| Tinhlangi letisi - 5, iyinye italela emacandza la - 5  |                                 |                   |



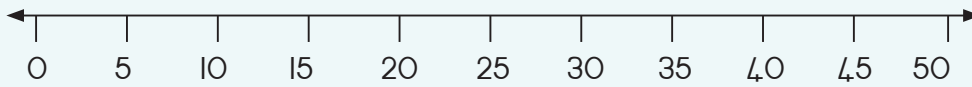
Cedzela letinombolomisho nemigcanombolo.



$$5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{35}$$

noma  $\boxed{7} \times \boxed{5} = \boxed{35}$

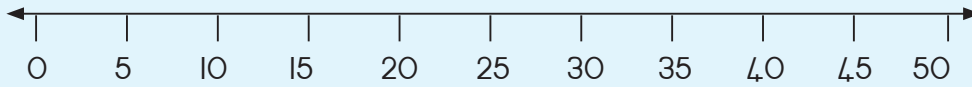
a.



$$5 + 5 + 5 + 5 = \boxed{\phantom{00}}$$

noma  $\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$

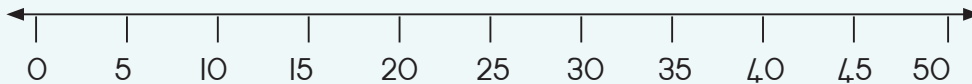
b.



$$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \boxed{\phantom{00}}$$

noma  $\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$

c.



$$\underline{\phantom{00}} + \underline{\phantom{00}} = \boxed{\phantom{00}} \quad \text{noma } 10 \times 5 = 50$$



Bamba inhlanti

Sipho ubamba emkhatsini wema -40 noma -50 etinhlangi. Utibala ngati-2 kantsi usele nagi-1. Utibala ngeti-5 kantsi usele nati-2.

Ubamba tingakhi tihlangi Sipho?  $\boxed{\phantom{00}}$



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



25a

Lusuku:

Ithemu I



Kubala emasokisi

## Bala ngaku-2



a. Mangakhi emapheya emasokisi? \_\_\_\_\_

b. Mangakhi emasokisi lakhona? \_\_\_\_\_

c. Mangakhi emasokisi lasele? \_\_\_\_\_



## Kubala emapheya emasokisi

Bhala kutsi mangakhi emapheya emasokisi lakhona futsi usho uma kukhona lasele.

| Emasokisi | Linani lemapheya | Linani lemasokisi | Emasokisi langalinye lasilele ngetulu |
|-----------|------------------|-------------------|---------------------------------------|
|           |                  |                   |                                       |
|           |                  |                   |                                       |
|           |                  |                   |                                       |
|           |                  |                   |                                       |
|           |                  |                   |                                       |



Teacher:

Sign:

Date:

25b

Lusuku:

Ithemu I



## Bala ngaku-2 (siyachubeka)

Kwakha emapheya.

Bhala phasi tinombolo-malinganisa kanye netinombolo-mashiyana kusukela ku 1 – 60.

a. Bhala phansi tinombolo-malinganisa kusuka ku 1 – 60.

2, 4, 6,

---



---

b. Bhala phansi tinombolo-mashiyana kusuka ku 1 – 60.

3, 5, 7,

---



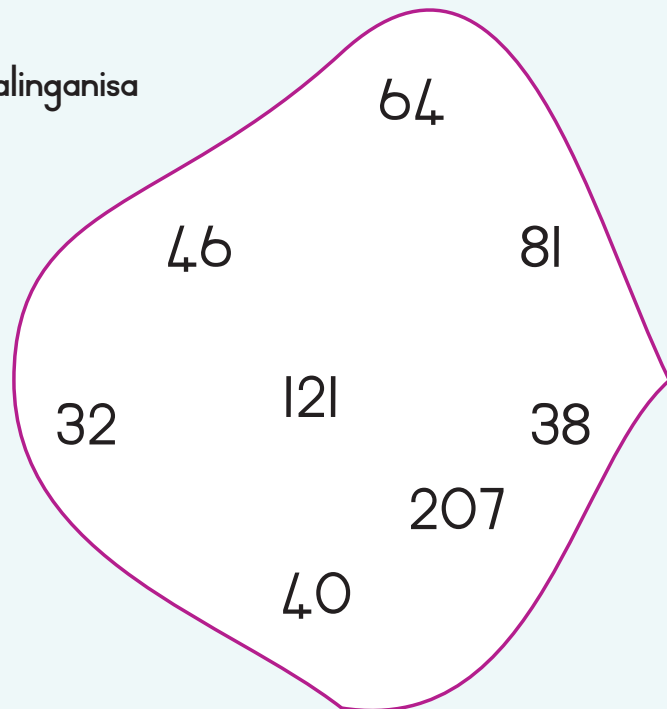
---



## Bomashiyana nabomalinganisa

Dvweba indilinga ugegelete tinombolo-malinganisa.

Dvweba sikwele ugegelete tinombolo-mashiyana.





Kusuka kumapheya kuya kumasokisi.

Sibonelo:

2 emasokisi = 1 lipheya 

$$2 \times 1 = 2$$

20 emasokisi = 10 emapheya

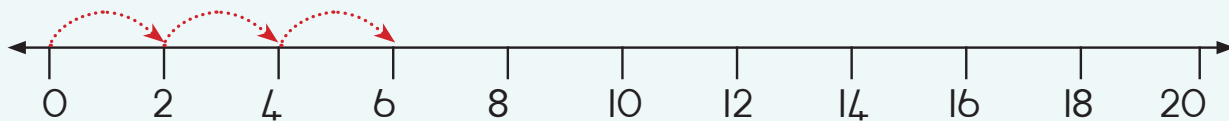
$$2 \times 10 = 20$$

a. Bhala kutsi mangakhi emasokisi.

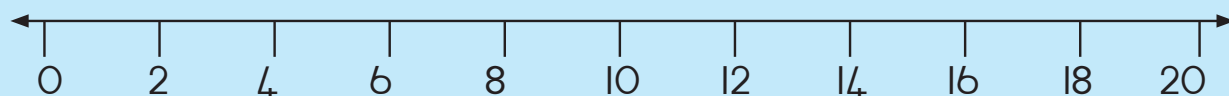
| Cabanga ngaku-2                                                                                                 | Umusho-nombolo         |
|-----------------------------------------------------------------------------------------------------------------|------------------------|
| 1 lipheya  = 2 emasokisi      | $2 \times 1 = 2$       |
| 2 emapheya  = ____ emasokisi | $2 \times 2 = \square$ |
| 4 emapheya  = ____ emasokisi |                        |
| 8 emapheya  = ____ emasokisi |                        |
| 9 emapheya  = ____ emasokisi |                        |

b. Khombisa lesibalo kulomugcanombolo bese uyacedzela.

$$2 + 2 + 2 = 6 \text{ noma } 3 \times 2 = 6$$



$$2 + 2 + 2 + 2 + 2 + 2 + 2 = \square \text{ noma } \square \times \square = \square$$



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

11 12 13 14 15 16 17 18 19 20





## Indzaba yemali yetfu

ENingizimu Afrika sisebentisa emarandi nemasenti njengemali yetfu. Sicale kusebentisa emarandi nemasenti nga-1961.

Ngaletu tikhatsi indibilishi yelisenti li-1 ngiyo lebeyiyincane kakhulu, kulandzela emasenti lama-2 bese kulandzela emasenti lasi-5.





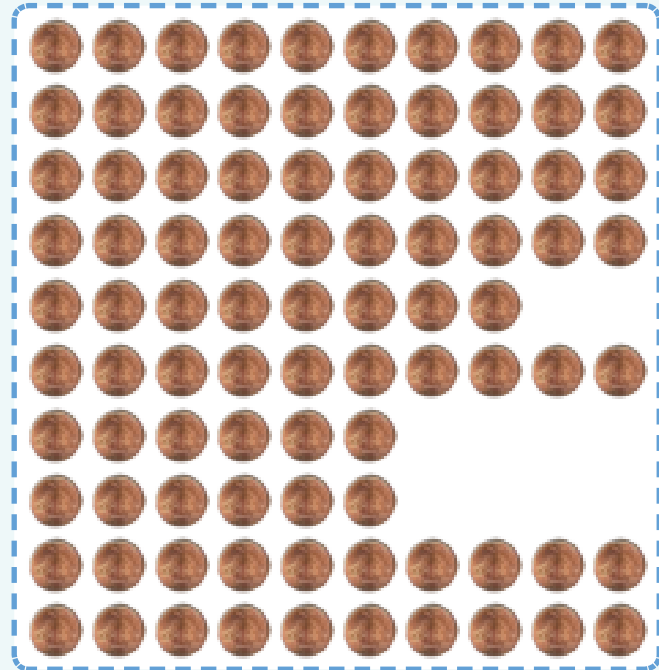
## Bala lamasenti

Bala lamasenti.

Unemasenti lamangakhi?

Mangakhi ladzingakalako kwenta  
R1,00?

Wadvwebe lapha kulebhuloki.



## Mangakhi emasenti?

|                                |                                |
|--------------------------------|--------------------------------|
| R1,00 = <input type="text"/> c | R2,00 = <input type="text"/> c |
| R3,00 = <input type="text"/> c | R1,50 = <input type="text"/> c |



## Sibita malini sitselo?



2

abita R4,00.

Bangakhi bobhanana ku-R20,00?



2

abita R2,00.

Mangakhi emahhabhula e-R9,00?



Teacher:

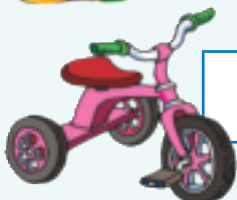
Sign:

Date:

## Bala ngaku-3



Tincola ngaku-3



Libhayisikili lelingusondvontsatfu li-I linemasondvo lama \_\_\_\_.

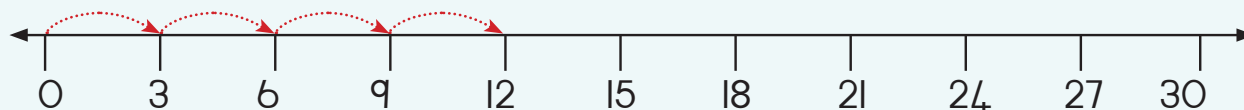


|                                                                                                                              |                                                             |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 5  sabosondvontsatfu banemasondvo la ____ | $3 + 3 + 3 + 3 + 3 = 5 \times 3 = \underline{\hspace{2cm}}$ |
| 2  bosondvontsatfu banemasondvo la ____   | $3 + 3 = 2 \times 3 = \underline{\hspace{2cm}}$             |
| 4  bosondvontsatfu banemasondvo la ____   |                                                             |
| 6  sabosondvontsatfu banemasondvo la ____ |                                                             |
| 9  yabosondvontsatfu banemasondvo la ____ |                                                             |
| 8  sabosondvontsatfu banemasondvo la ____ |                                                             |

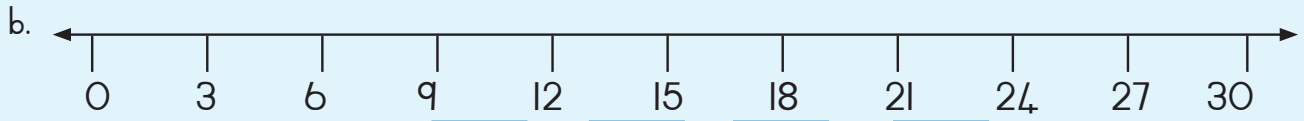


Imigcanombolo

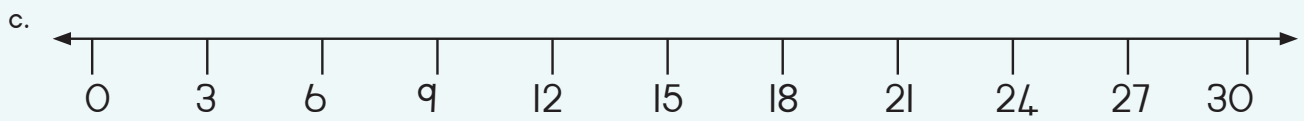
Lanzela sibonelo.



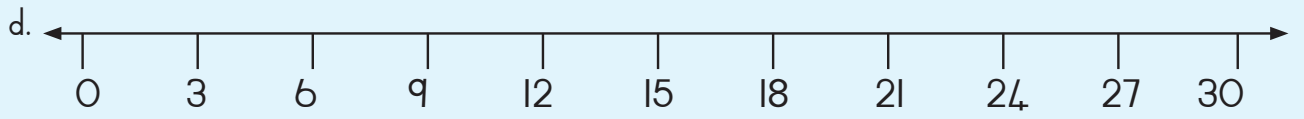
a.  $3 + 3 + 3 + 3 = \boxed{\hspace{1cm}} = 4 \times 3 = \boxed{\hspace{1cm}}$



$$3 + 3 + 3 + 3 + 3 = \boxed{\phantom{00}} = \boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



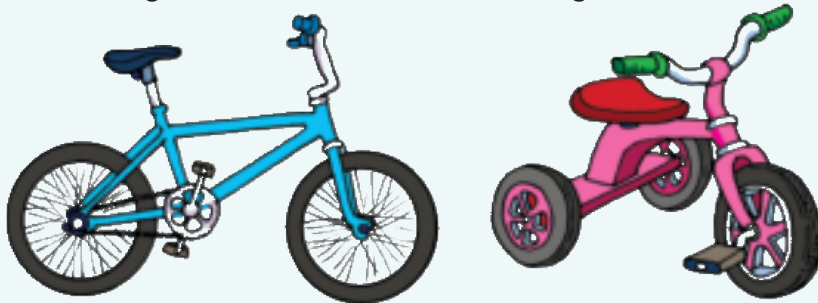
$$\underline{\hspace{2cm}} = \boxed{\phantom{00}} = 6 \times 3 = \boxed{\phantom{00}}$$



$$\underline{\hspace{2cm}} = \boxed{\phantom{00}} = 10 \times 3 = \boxed{\phantom{00}}$$



Emabhayisikili asondvombili nemabhayisikili abosondvontsatfu



Esitolo semabhayisikili Busi ubala emasondvo emabhayisikili abosondvombili newabosondvontsatfu.

Kunemasondvo lali-14 sekaphellele.

Mangakhi emabhayisikili abosondvombili lalapho? \_\_\_\_\_

Mangakhi emabhayisikili abosondvontsatfu lalapho? \_\_\_\_\_





## Yini lehamba ngaku-4?



Tinyawo letine

Emaphuzu etinombolo leti 4 ...  
 $4 + 4 = 8$ ;  $2 \times 4 = 8$



Tinyawo tenkhomo tita nga-4.

Yini lenye lena kune? \_\_\_\_\_



Bala letinyawo

Yabelanani ngetimphendvulo.  
 Chaza kutsi yini loyentile.

Sebentisa emaphuzu lowatiko ngakune.

|                                                                                                                                         |                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Inkhomo yi-1  <input type="text" value="4"/> tinyawo | Tinkhomo leti-2  <input type="text" value="8"/> tinyawo |
| Tinkhomo leti-3  <input type="text"/>                | Tinkhomo leti-4  <input type="text"/> tinyawo           |
| Tinkhomo leti-5  <input type="text"/> tinyawo        | Tinkhomo leti-6  <input type="text"/> tinyawo           |
| Tinkhomo leti-7  <input type="text"/> tinyawo        | Tinkhomo leti-8  <input type="text"/> tinyawo           |
| Tinkhomo leti-9  <input type="text"/> tinyawo        | Tinkhomo leti-10  <input type="text"/> tinyawo          |



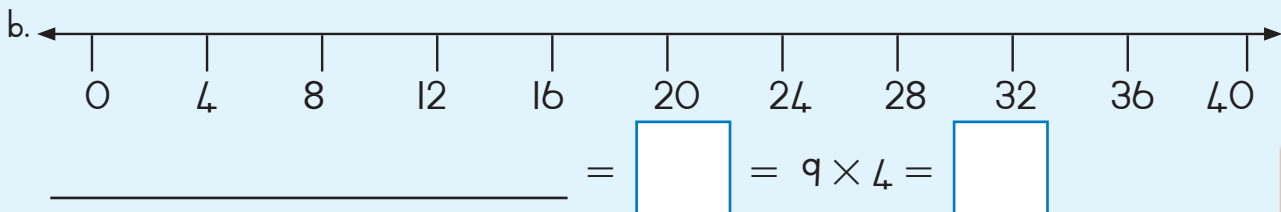
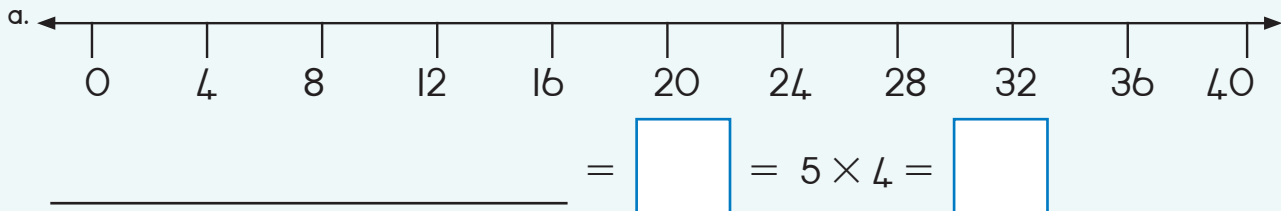
Cedzela lelithebula. Sebentisa lesibonelo kukusita.

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Tinkhomo leti-3 _____ tinyawo | $4 + 4 + 4 = 3 \times 4 = \underline{12}$ |
| Tinkhomo leti-5 _____ tinyawo |                                           |
| Tinkhomo leti-4 _____ tinyawo |                                           |
| Tinkhomo leti-7 _____ tinyawo |                                           |
| Tinkhomo leti-8 _____ tinyawo |                                           |



### Imigcanombolo

Cedzela lolokulandzelako bese ukukhombisa kumugcanombolo.



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

# Emaphethini ngetinombolo



# Emaphethini egridi

Nguyiphi inombolo yemaphethini lekhojisiwa tindilinga kugridi yeli-100?

Dvweba tindilinga letinye kucedzela iphethini ngayinye.

Bhala ligama lephethini ngayinye.

a. Iphethini: \_\_\_\_\_

[illegible]

b. Iphethini: \_\_\_\_\_

[illegible]

c. Iphethini: \_\_\_\_\_

[illegible]

d. Iphethini: \_\_\_\_\_

[illegible]

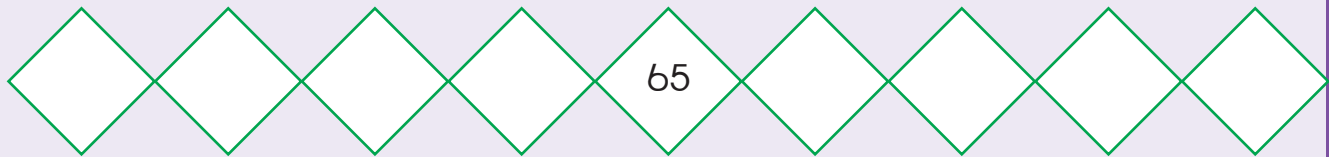


## Yenta emaphethini akho

- a. Kulephethini yetinombolo tonkhe letinombolo ticondzile. Kungaba ngutiphi leti letinye tinombolo? Tibhale.



- b. Kulephethini yetinombolo tonkhe letinombolo tilugweje. Kungaba ngutiphi leti letinye tinombolo? Tibhale.



## Tiwela kuphi?



| Emaphethini<br>aku-3 naku-4 | Emaphethini<br>aku-3 nesi-5 | Emaphethini<br>aku-4 nesi-5 |
|-----------------------------|-----------------------------|-----------------------------|
| sib. 48                     |                             |                             |



## Elwandle

Thembi ugcogca emagobongo aselwandle  
**langema-60 nema-70**. Uwabala ngaku-3,  
 usala nali-1. Tinombolo letingahle tibe khona nguleti: 61, \_\_\_\_\_,  
 \_\_\_\_\_, 70. Uma awabala ngeti-5, uba nemsalela waku-4.  
 Tinombolo letingahle tibe khona nguleti: \_\_\_\_\_, \_\_\_\_\_.  
 Unemagobongo lamangakhi Thembi manje?



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

11 12 13 14 15 16 17 18 19 20



30a

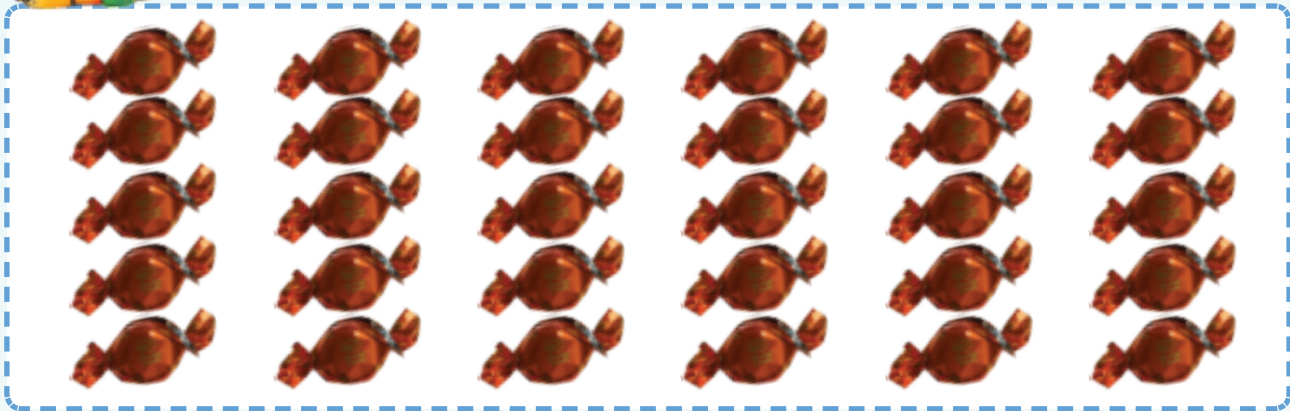
Lusuku:

## Kwaba

Ithemu I



Yaba lamaswidi:



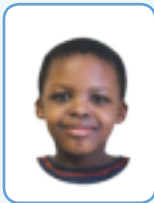
- a. Yaba 30 wemaswidi emkhatsini wa-2 bantfwana.



Loku singakubhala kanje

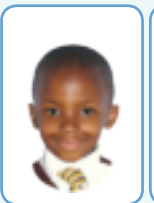
$$30 \div 2 = 15$$

- b. Yaba lamaswidi emkhatsini wa-3 bantfwana.



$$\div =$$

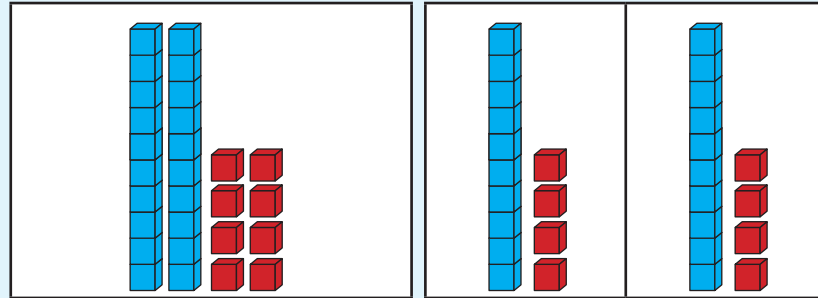
- c. Yehlukanisa emaswidi emkhatsini we-5 sebantfwana.



$$\div =$$



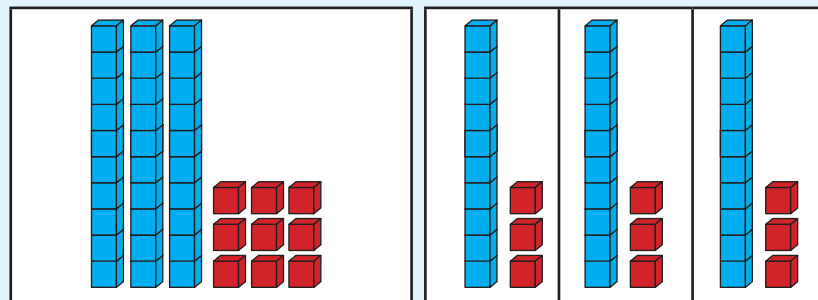
Singasebentisa emabhuloki etinombolo kwenta sibalo sekwehlukana.



$$28 \div 2 = 14$$

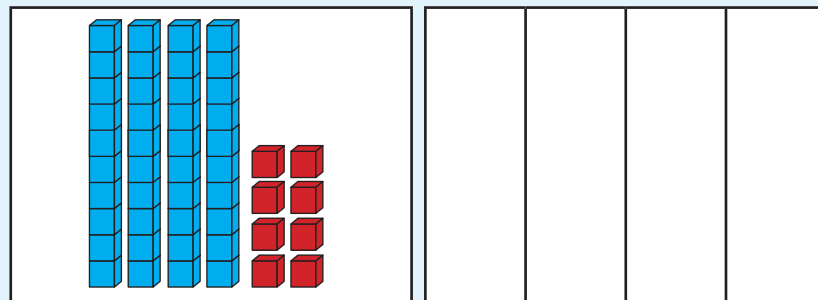
Nyalo yenta loku.

a.



$$\square \square \div 3 = \square \square$$

b.



$$\square \square \div 4 = \square \square$$



# 30b

Lusuku:

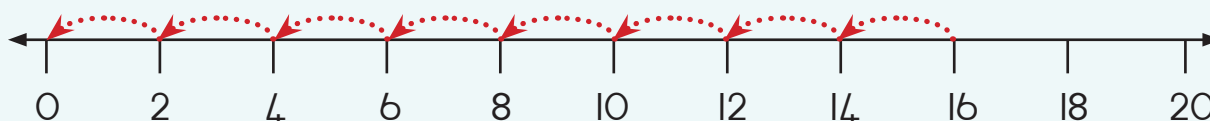
Ithemu I

## Kwaba (siyachubeka)



Sebentisa imigcanombolo kubhala umusho-nombolo wekususa nekuhlukanisa.

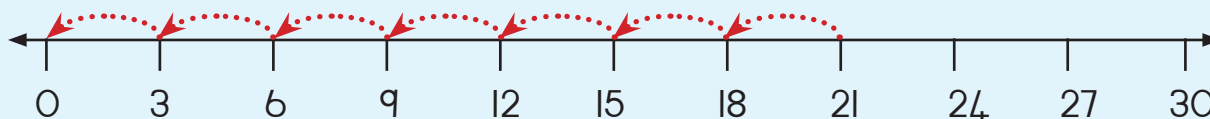
Sibonelo:



$$16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 = 0$$

$$16 \div 2 = 8$$

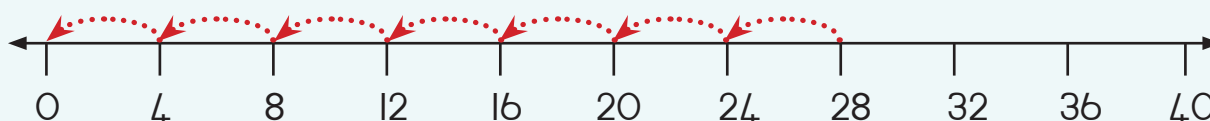
a.



$$21 - \underline{\hspace{2cm}} =$$

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} =$$

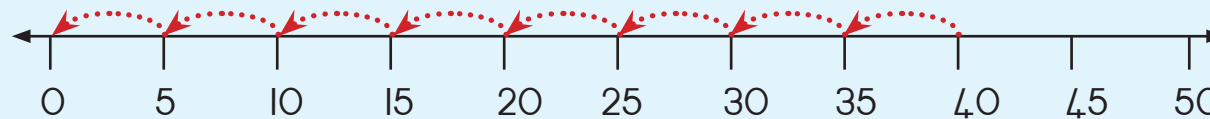
b.



$$28 - \underline{\hspace{2cm}} =$$

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} =$$

c.



$$\underline{\hspace{1cm}} - \underline{\hspace{2cm}} =$$

$$\boxed{\hspace{1cm}} \div \boxed{\hspace{1cm}} =$$



Dvweba umugca - nombolo bese uyawusombulula.

a.  $30 \div 5 =$



b.  $22 \div 2 =$



c.  $27 \div 3 =$



d.  $32 \div 4 =$

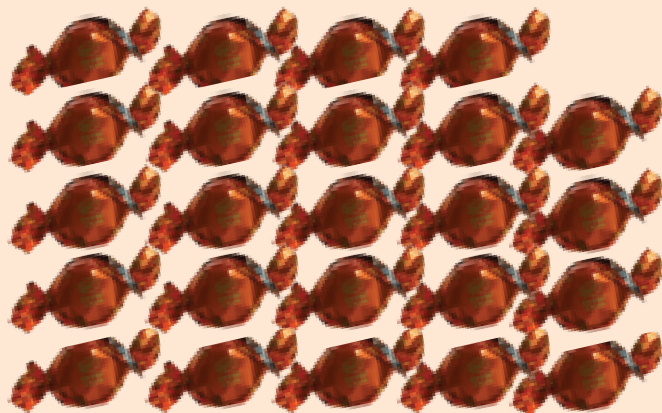


e.  $25 \div 5 =$



### Insayeya

Khombisa tonkhe tindlela  
longahlukanisa ngato 24  
wemaswidi ngekulingana  
emkhatsini wemacembu  
lehlukene ebantfwana. Bhala  
umusho - nombolo kukhombisa  
imphendvulo yakho.



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

11 12 13 14 15 16 17 18 19 20

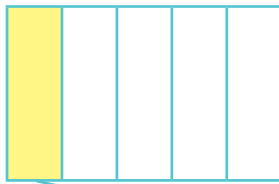


## Emafrakishini

Ithemu I



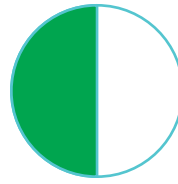
Dvweba imigca kucondzanisa bunjwa nefrakhishini.

Incenye-  
ntsafu yinye

$$\frac{1}{3}$$

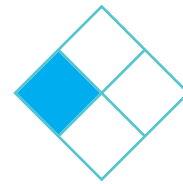
Incenye-  
sihlanu yinye

$$\frac{1}{5}$$

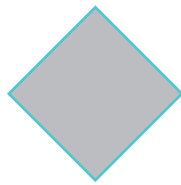


Ikota yinye

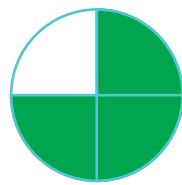
$$\frac{1}{4}$$

Ihhafu  
yinye

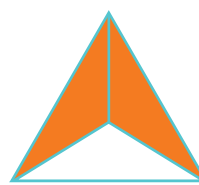
$$\frac{1}{2}$$

Emakota  
lamatsafu

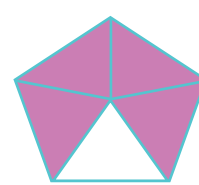
$$\frac{3}{4}$$

Incenye-kune  
kusihamu

$$\frac{4}{5}$$

Kunye  
lokugcwele

$$1$$

Incenye-mbili  
kukutsafu

$$\frac{2}{3}$$

Hlukanisa bese ufaka umbala.



$$\frac{1}{2}$$

Ihhafu yinye



$$\frac{1}{3}$$

Incenye-  
ntsafu yinye

$$\frac{1}{4}$$

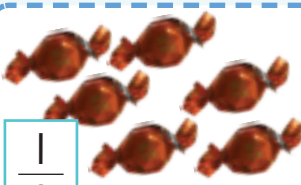
Ikota yinye



$$\frac{1}{5}$$

Incenye-  
sihlanu yinye

Khombisa lefrakshini ngekudweba umugca ugegelete inombolo lengiyo yemaswidi.

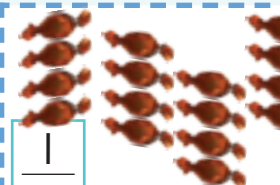


$$\frac{1}{2}$$

Ihhafu yinye

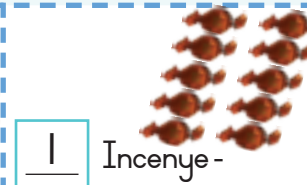


$$\frac{1}{3}$$

Incenye-  
ntsafu yinye

$$\frac{1}{4}$$

Ikota yinye



$$\frac{1}{5}$$

Incenye-  
sihlanu yinye

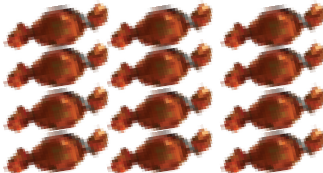
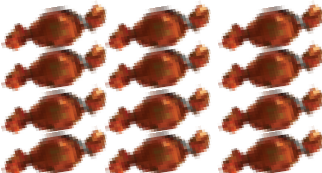


Yabela bantfwana lababili tinsita kubala.

|                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                          |                                                                                                          |                                                                                                          |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |                                                         |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |                                                                                          |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                                                                                                     |                                                                                                     |
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| <div><div><div>• Amunye wetfu utfole tinsita kubala letimbili.</div><div>• Ihhafu yetibali leti-4.</div></div></div>                                                                                                                                                                                                                                                                                                                  | <div><div><div>• Amunye wetfu utfole tinsita kubala_____.</div><div>• __ wa __ ngu __.</div></div></div> | <div><div><div>• Amunye wetfu utfole tinsita kubala_____.</div><div>• __ wa __ ngu __.</div></div></div> | <div><div><div>• Amunye wetfu utfole tinsita kubala_____.</div><div>• __ wa __ ngu __.</div></div></div> |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |                                                         |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |                                                                                          |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                                                                                                     |                                                                                                     |
| <div><div><div>4 ÷ 2 = 2</div></div></div>                                                                                                                                                                                                                                                                                                                                                                                            | <div><div><div>_____ ÷ _____ = _____</div></div></div>                                                   | <div><div><div>_____ ÷ _____ = _____</div></div></div>                                                   | <div><div><div>_____ ÷ _____ = _____</div></div></div>                                                   |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |                                                         |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |                                                                                          |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                                                                                                     |                                                                                                     |



Yaba lamaswidi emkhatsini webantfwana.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                         |                                                                                       |                                                                                     |                                                                                     |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                       |                                                                                       |                                                                                       |  |  |  |
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| <ul style="list-style-type: none"><li>• ikota emaswidi = 3</li><li>• emakota lamabili emaswidi = ____</li><li>• emakota lamatsatfu emaswidi = ____</li><li>• emakota lamane emaswidi = ____</li></ul>                                                                                                                                                                                                                                                            | <ul style="list-style-type: none"><li>• incenye-ntsafu emaswidi = ____</li><li>• tincenye-ntsafu timbili emaswidi = ____</li><li>• tincenye-ntsafu letintsafu emaswidi = ____</li></ul> |                                                                                       |                                                                                     |                                                                                     |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                   |                                                                                       |                                                                                       |                                                                                       |  |  |  |

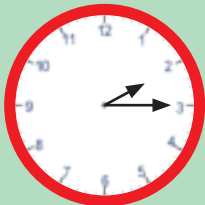
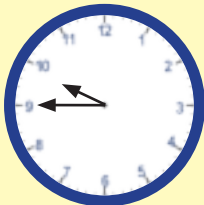


Teacher: \_\_\_\_\_  
Sign: \_\_\_\_\_  
Date: \_\_\_\_\_

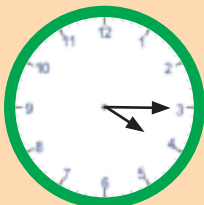


## Kwati sikhatsi

Singabhala sikhatsi lesifanako ngetindlela letehlukene.

|                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| 2:15<br>yikota kwendlule insimbi yesibili                                         | 5:30<br>yihhafu kushaye insimbi yesihlanu                                         | 9:45<br>yikota kuya kunsimbi yelishumi                                              |

Bhala loku ngetindlela letimbili letehlukene.

|                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| <br><br>                                                                            | <br><br>                                                                            | <br><br>                                                                              |

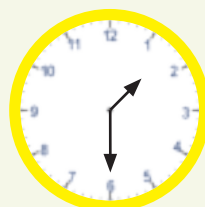


## Kuya ekhaya

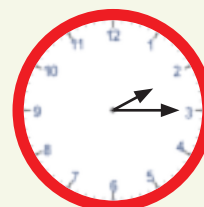
Ngabe Ben utsatsa sikhatsi lesingakanani kufika ekhaya?

imizuzu

ema-awa



Ben usuka esikolweni.



Ben ufika ekhaya.



## Sikhatsi siyabaleka

Sikhatsi ngaku-2 ...



Mingakhi ...

imizuzu kuma-awa lama-2? \_\_\_\_\_

ema-awa emalangenani lama-2? \_\_\_\_\_

emalanga emavikini lama-2? \_\_\_\_\_

tinyanga eminyakeni lemi-2? \_\_\_\_\_



## Mangakhi emalanga?

Mabasa 27 Lilanga Lenkhululeko.

Inhlaba 16 Lilanga Lelusha.

a. Kusuka kuLilanga Lenkhululeko kuya kuLilanga Lelusha kunetinyanga letiphelele leti \_\_\_\_\_, emaviki laphhelele la \_\_\_\_\_ kanye nemalanga laphhelele la \_\_\_\_\_.

b. Mangakhi emaviki laphhelele sekahlangene? \_\_\_\_\_

Mangakhi emalanga lasele? \_\_\_\_\_. Mangakhi emalanga sekaphelele? \_\_\_\_\_.

c. Lusuku lwekutsalwa lwaLebo lungaphambi kwelilanga leNkhululeko ngemalanga lasi-7.

Lusuku lwekutsalwa lwaMusa lungemalanga lamabili ngemuva kweLilanga Lelusha.

Ngubani lomdzala? \_\_\_\_\_ Ngemalanga lamangakhi? \_\_\_\_\_

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

| Inkhwekhwe |    |    |    |    |    |    |
|------------|----|----|----|----|----|----|
| U          | L  | L  | L  | L  | U  | L  |
|            |    | 1  | 2  | 3  | 4  | 5  |
| 6          | 7  | 8  | 9  | 10 | 11 | 12 |
| 13         | 14 | 15 | 16 | 17 | 18 | 19 |
| 20         | 21 | 22 | 23 | 24 | 25 | 26 |
| 27         | 28 | 29 | 30 | 31 |    |    |

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

Buka. Catsanisa.  
Lungisa

Teacher:

Sign:

Date:

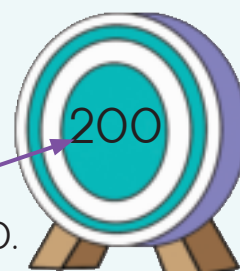


## Hlosa kufika kuma-200



## Bala letinombolo

Bala uphindze usho tonkhe letinombolo kusuka ku-101 uye kuma-200.  
Khomba njengobe uhamba.



|     |     |     |     |     |     |  |     |     |     |
|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|
| 101 | 102 |     |     |     |     |  |     |     |     |
| 111 |     |     |     |     |     |  |     |     |     |
| 121 |     |     |     |     |     |  |     |     |     |
| 131 |     |     |     |     |     |  |     |     |     |
|     |     |     |     |     |     |  |     | 149 |     |
|     |     |     | 154 |     |     |  |     |     |     |
|     |     |     |     | 165 |     |  |     |     |     |
|     |     | 173 |     |     |     |  |     |     | 180 |
| 181 |     |     |     |     | 186 |  |     |     |     |
|     |     |     |     |     |     |  | 198 |     | 200 |



## Bhala letinombolo

- Bhala inombolo lengekho kusikwele lesilingangane ngasinye.
- Bhala tonkhe letinombolo letisele.
- Bhala tinombolo letili-10 ngemuva kwema-200.

200; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Bhala tinombolo letisele

a.

|     |  |     |  |  |     |
|-----|--|-----|--|--|-----|
| 200 |  | 180 |  |  |     |
|     |  |     |  |  |     |
|     |  |     |  |  |     |
|     |  |     |  |  | 110 |
| 50  |  |     |  |  |     |
|     |  |     |  |  | 0   |

b.

|     |  |     |     |
|-----|--|-----|-----|
| 87  |  | 107 |     |
|     |  |     |     |
| 167 |  |     |     |
|     |  |     |     |
|     |  | 207 |     |
|     |  |     |     |
|     |  |     | 237 |



Cedzela

|     |   |    |   |   |   |       |
|-----|---|----|---|---|---|-------|
| 200 | + | 30 | + | 5 | = | 235   |
| 200 | + | 40 | + | 7 | = | _____ |
| 200 | + | 60 | + | 8 | = | _____ |
|     | + |    | + |   | = | 293   |
|     | + |    | + |   | = | 256   |

Bhala tinombolo  
ngekulandzelana kusakela  
kulencane kakhulu kuye  
kulenkulu kakhulu.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Bala uchubeke kusuka kuli-100

Bala loko lodzinga kukwenta kute utfole inombolo lelandzelako.

Kucala

|     |         |     |   |  |   |     |   |  |   |     |
|-----|---------|-----|---|--|---|-----|---|--|---|-----|
| 100 | → +25 → | 125 | → |  | → | 129 | → |  | → | 138 |
|     |         |     |   |  |   |     |   |  |   |     |

Kuphela

|     |   |  |   |     |   |  |   |     |   |  |   |     |
|-----|---|--|---|-----|---|--|---|-----|---|--|---|-----|
| 168 | ← |  | ← | 157 | ← |  | ← | 151 | ← |  | ← | 145 |
|     |   |  |   |     |   |  |   |     |   |  |   |     |



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_



## Kusebenta ngemacembu etinombolo

Kupakisha emakhandlela

Make Nkhosi usebenta enkapanini yemakhandlela.

Uma emakhandlela sekalungile, uwapakisha ngalendlela emabhokisini emashelufini.



Mangakhi emakhandlela ebhokisini ngalinye? \_\_\_\_\_

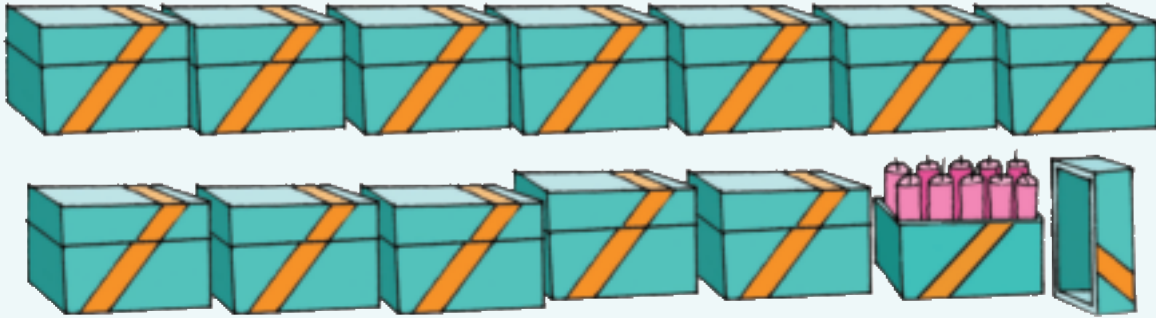
Mangakhi emabhokisi eshelufini ngalinye? \_\_\_\_\_

Mangakhi emakhandlela eshelufini ngalinye? \_\_\_\_\_



## Emabhokisi emakhandlela

Make Nkhosi uvala emabhokisi.



a. Bala onkhe emabhokisi.

Mangakhi? \_\_\_\_\_

Mangakhi emakhandlela sekawonkhe? \_\_\_\_\_

Mangakhi lamanye emabhokisi ladzingakalako kwenta emakhandlela langema-200?

b. Mangakhi emakhandlela ku:

|                                                                                                         |                                                                                                           |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 2 emabhokisi? _____  | 4 emabhokisi? _____  |
| 5 emabhokisi? _____  | 3 emabhokisi? _____  |
| 6 emabhokisi? _____  | 7 emabhokisi? _____  |

c. Mangakhi emabhokisi lawadzingela loku:

|                                                                                                         |                                                                                                           |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 40  _____ emabhokisi | 70  _____ emabhokisi |
| 50  _____ emabhokisi | 30  _____ emabhokisi |





35a

Ithemu 2

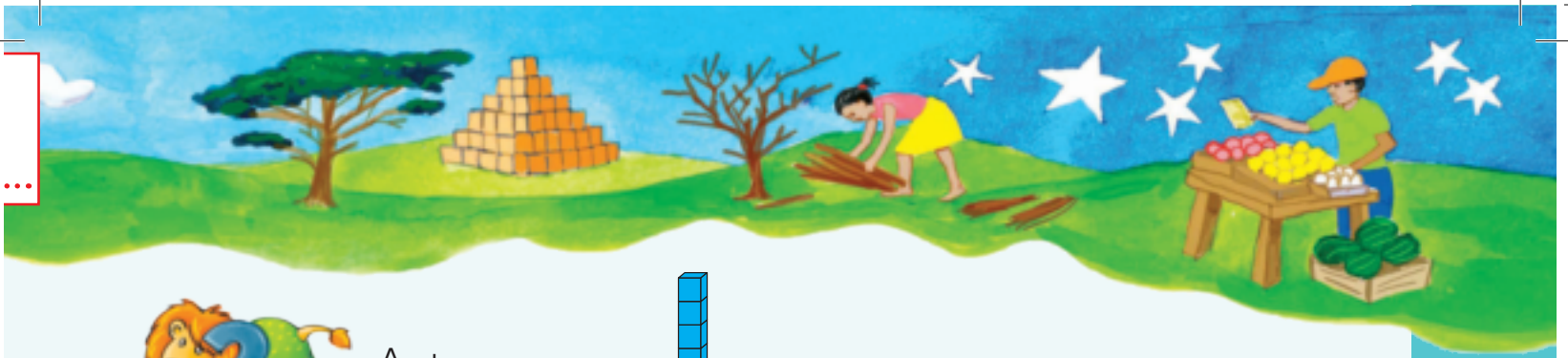


Kubeka emashumi ndzawonye  
neku siwehlukanisa

Kubeka emashumi ndzawonye uma sihlanganisa

|                                |                                    |   |                                    |
|--------------------------------|------------------------------------|---|------------------------------------|
| Asihlanganiseni<br>$56 + 73 =$ |                                    | + |                                    |
|                                | Emashumi lasi-5 nemayunithi lasi-6 |   | Emashumi lasi-7 nemayunithi lama-3 |

| 100s                                                                                      | 10s | 1s |
|-------------------------------------------------------------------------------------------|-----|----|
|                                                                                           |     |    |
| Sikanye sinemashumi lali-12.<br>Singabeka emashumi lali-10 ndzawonye kwenta likhulu li-1. |     |    |
|                                                                                           |     |    |

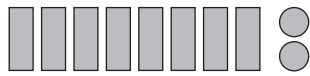


Asetame.

Sibonelo:  $82 + 34$



na



$$100 + 20 + 6 = 126$$

a.  $65 + 52$

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

b.  $76 + 63$

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

c.  $86 + 65$

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



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

# Kubeka emashumi ndzawonye neku siwehlukanisa (siyachubeka)



## Beka emacembu ndzawonye

Sebentisa emabhuloki endzawo yonombolo akho.

| Sebentisa emabhuloki endzawo yelishumi kwenta letinombolo letimbili. | Sekukonkhe mangakhi emashumi? Mangakhi emayunithi? | Ngabe ubeke ndzawonye emashumi nobe emayunithi? Buka bungako bendzawo lapho uphindze wabeka ndzawonye khona. | Bhala lenombolo. |
|----------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------|
| $23 + 99 =$                                                          | _____ emashumi<br>_____ emayunithi                 | 11 emashumi + 12 emayunithi<br>$= 110 + 12$                                                                  | 122              |
| $38 + 25 =$                                                          | _____ emashumi<br>_____ emayunithi                 |                                                                                                              |                  |
| $77 + 31 =$                                                          | _____ emashumi<br>_____ emayunithi                 |                                                                                                              |                  |
| $68 + 45 =$                                                          | _____ emashumi<br>_____ emayunithi                 |                                                                                                              |                  |
| $83 + 47 =$                                                          | _____ emashumi<br>_____ emayunithi                 |                                                                                                              |                  |



## Kwehlukanisa emashumi uma sisusa

Uma sisusa, ngaletinye tikhatsi sidzinga kukhombisa lishumi linye njengemayunithi lalishumi, likhulu linye njengemashumi lali-10.

Asinciphise:  $60 - 55 =$

Sicala ngeticheme letisitfupha temashumi. Sifuna kunciphisa ticheme letisihlanu temashumi naletisihlanu temayunithi. (Leto lesititsetse sitibeke umbala lomphunga)

|                                                     |                                               |                                                                                        |  |
|-----------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------|--|
|                                                     |                                               |                                                                                        |  |
| Singakhombisa ticheme letisitfupha temashumi kanje. | Noma sihlanu semashumi nelishumi lemayunithi. | Susa ticheme letisihlanu temashumi nesihlanu semayunithi. Kusele emayunithi lasihlanu. |  |
|                                                     |                                               | $60 - 55 = 5$                                                                          |  |



Asetame.

a.  $70 - 28$

|            |                               |             |  |
|------------|-------------------------------|-------------|--|
|            |                               |             |  |
| 7 emashumi | 6 emashumi na - 10 emayunithi | $70 - 28 =$ |  |

b.  $90 - 46$

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

c.  $80 - 53$

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



Kutfofa lipheya lenombolo

a.

|     |  |
|-----|--|
| 200 |  |
| 30  |  |

b.

|     |  |
|-----|--|
| 200 |  |
| 70  |  |

c.

|     |     |
|-----|-----|
| 200 |     |
|     | 105 |

d.

|     |  |
|-----|--|
| 200 |  |
| 85  |  |



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





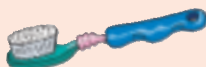
## Kuvakashela dokotela wematingo

Licembu lebantfwana livakashela dokotela wematingo.



Ngabe ematingo akho uwageza kangakhi ngelilanga?

Loku nguloku bantfwana labamtjela kona.



= 1 sikhatsi

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   |   |   |   |   |
|  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
|  | ✓ | ✓ | ✓ | ✓ | ✓ |   |   |   |   |   |   |   |   |   |

- a. Bala imiklwibhito (✓) lekhombisa emahlandla bantfwana labacubha ngawo ematingo abo. Bhala letinombolo.

|                         |  |
|-------------------------|--|
| <br>Kanye ngelilanga    |  |
| <br>Kabili ngelilanga   |  |
| <br>Katsatfu ngelilanga |  |

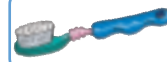
- b. Yini longayisho?

Bantfwana labanyenti bacubha ka \_\_\_\_\_ ngelilanga.

Kunebantfwana laba \_\_\_\_\_ ecenjini.



Dvweba igrafusitfombe lekhomba kutsi bantfwana bacubha kangakhi ngelilanga.



= sikhatsi si-I



Yenta luhlwayo ekilasini lakho. Buta 15–20 webafundzi.

- Bawacubha kangakhi ematinyo abo ngelilanga? \_\_\_\_\_
- Dvweba igrafusitfombe lenjengalena lengetulu kukhombisa imiphumela yeluhlwayo lwakho.



11 12 13 14 15 16 17 18 19 20

## Yengeta uphindze uhlanganise



Bhala sibalo sakho

Busi angahlanganisa emayunithi nemashumi futsi aphindze awabeke ndzawonye. Angahlanganisa aphindze asuse ephepheni, ngaphandle kwemabhuloki. Ngalesinye sikhatsi utsandza kucala ngemakhadi etinombolo akhe kukhombisa tinombolo.

Ngako-ke ngesibalo  $56 + 73$ , utfola lamakhadi:

$$\begin{array}{|c|c|} \hline 5 & 0 \\ \hline \end{array} \begin{array}{|c|} \hline 6 \\ \hline \end{array} + \begin{array}{|c|c|} \hline 7 & 0 \\ \hline \end{array} \begin{array}{|c|} \hline 3 \\ \hline \end{array}$$

Uhlanganisa lamayunithi emva kwaloko ubeka phasi likhadi le-9

Uyati:  $50 + 70 = 120$ .

Utsatsa leli-100, lama-20 kanye nelikhadi le-9 kwenta inombolo yemadijithi lama-3

9

100

209

Ubhala ngalendlela:

$$\begin{aligned} 50 + 70 + 6 + 3 \\ = 50 + 70 + 9 \\ = 120 + 9 \\ = 100 + 20 + 9 \\ = 129 \end{aligned}$$

Dumi uyati kutsi emabhuloki asebenta njani.

Ubala  $56 + 73$  kanje:

$$\begin{array}{r} 50 + 6 + 70 + 3 \\ \hline 120 + 9 \\ \hline = 129 \end{array}$$



Aakar yena utsandza kusongela enombolweni lesedvute. Nansi indlela lakenta ngayo lesibalo:

$$\begin{aligned} 56 + 73 \\ = 50 + 70 + 10 - 1 \\ = 130 - 1 = 129 \end{aligned}$$





Ase utetamele nawe. Yenta sibalo ngasinge ngetindlela letimbili.

a.  $86 + 62$

Indlela ya Busi

$$80 + 60 + 6 + 2$$



Indlela ya-Dumi

$$80 + 6 + 60 + 2$$



b.  $95 + 73$

c.  $81 + 57$

d.  $69 + 71$

Sebentisa indlela ya-Aakar kwenta loku.



Teacher:  
Sign:  
Date:



# 37b

Lusuku:

Ithemu 2

## Yengeta uphindze uhlanganise (siyachubeka)



Nyalo-ke ase sisuse.

a.  $87 - 53$

Indlela ya Busi

$$80 - 50 + 7 - 3$$

$$= 30 + 4$$

$$= 34$$



Indlela ya -Dumi

$$80 + 7 - 50 + 3$$

$$= 30 + 4$$

$$= 34$$



b.  $95 - 73$

c.  $86 - 62$

d.  $85 - 69$



## Sombulula!

Tinengi tindlela tekuhlanganisa emayunithi neticheme talokulishumi. Khetsa loyatiko naloyitsandza kakhulu kusombulula letibalo.

- a. Peter ucala ngekukha emampentjisi langema -34 bese ukha langema -67.  
Mangakhi emampentjisi asawonkhe?



- b. Bantwana bakaMalusi bonga R47 kanyekanye.  
Make wabo ubangetela R58. Sebanamalini manje?



- c. Ibhasi yesikolo ihamba 88 km ekuseni na 73 km entsambama.  
Mangakhi emakhilomitha asawonkhe?



## Catulula!



Tivalo temabhodlela

Sebentisa nobe nguyiphi indlela loyitsandzako.  
Khombisa umsebenti wakho.



Siphiso



Andile

Siphiso ubala tivalo temabhodlela letima - 87. Andile ubala letima - 38.

Tingakhi timbonyo temabhodlela letibalwa nguSiphiso kunaletibalwa nguAndile?



Ikhonsathi yasesikolweni



Musa

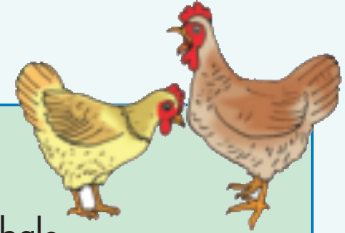


Musa utsengisa emathikithi. Bekanemathikithi langema - 92 ekucala ngawo.

Usele nalangema - 67. Mangakhi emathikithi lase awatsengisile?



Sichubeka nekuticecesha.



Kunemantjwele langema-69 ehhokweni linye bese kuba nema-95 kulelinye. Tingakhi tinkhukhu letilapho setitonkhe? Fundza kutsi Gugu yaAakar basisombulule njani lesibalo.

Indlela yaGugu

$$\begin{aligned} &60 + 90 + 9 + 5 \\ &= 100 + 50 + 14 \\ &= 150 + 10 + 4 \\ &= 164 \end{aligned}$$



Indlela ya Aakar

$$\begin{aligned} &69 + 95 \\ &= 70 + 95 - 1 \\ &= 70 + 90 + 5 - 1 \\ &= 160 + 4 \\ &= 164 \end{aligned}$$

Uyati yini kutsi ususelani?



a. Bafana batfola R96 yeluhambo lwelikilasi. Emantfombatana atfola R79. Ngumalini labayitfolako seiyonkhe?

Sebentisa indlela yaGugu

Sebentisa indlela yaAakar

b. Sikolo sinye sikoleka tikotela letinge-76 kg. Lesinye sikolo sikoleka tikotela letinge-68 kg. Mangakhi ema-kg etikotela lakolekwe nguletikolo letimbili setitonkhe?

Sebentisa indlela yaGugu

Sebentisa indlela yaAakar



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



39

Lusuku:

## Ithemu 2

## Bala uphindze ucatulule



Tfola incenye

Bhala tinombolo letingekho.

- a. 

|     |    |
|-----|----|
| 100 |    |
|     | 27 |

    b. 

|     |  |
|-----|--|
| 100 |  |
| 39  |  |

    c. 

|     |  |
|-----|--|
| 100 |  |
| 43  |  |

    d. 

|     |  |
|-----|--|
| 100 |  |
| 56  |  |
- e. 

|     |  |
|-----|--|
| 200 |  |
| 140 |  |

    f. 

|     |     |
|-----|-----|
| 200 |     |
|     | 110 |

    g. 

|     |  |
|-----|--|
| 200 |  |
| 135 |  |

    h. 

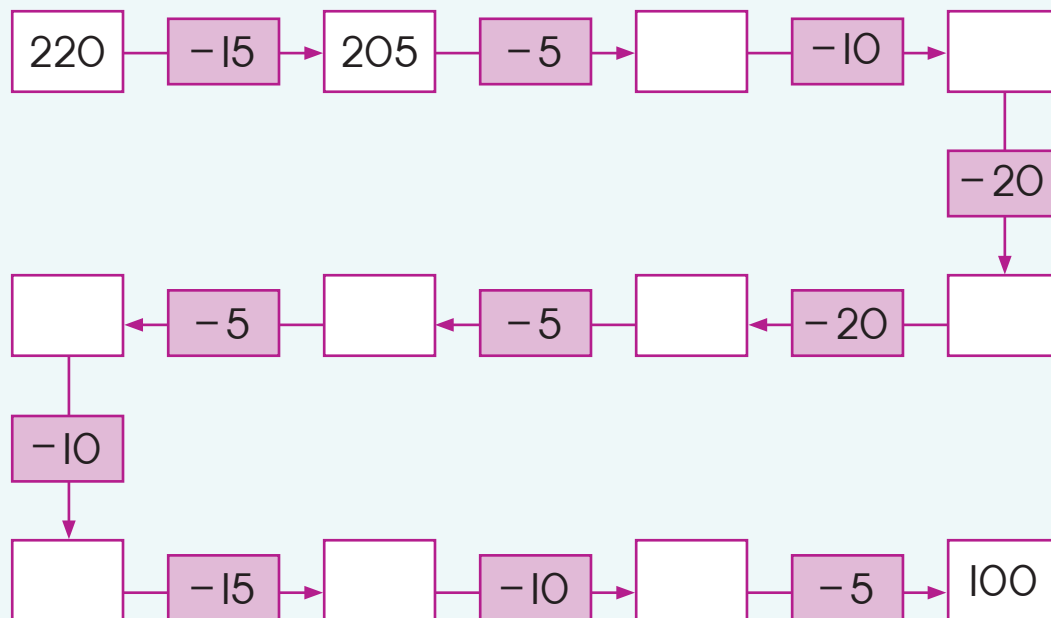
|     |     |
|-----|-----|
| 200 |     |
|     | 120 |



Bala ubuyele emuva kusuka kuma-220 kuye kuli-100

Susa letinombolo emabhokisini labovana sikhatsi ngesikhatsi.

Sesikwentele yekucala.



Nayi indlela yekuhlola tymphendvulo takho. Cala ku-100. Sebenta ubuyele emuva kuma-220. Kodwa nyalo, yengeta letinombolo.

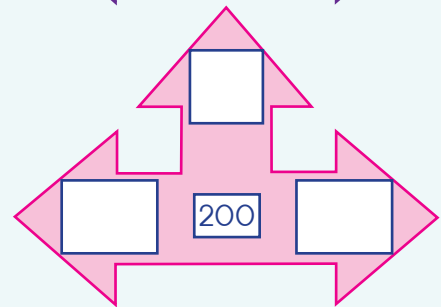
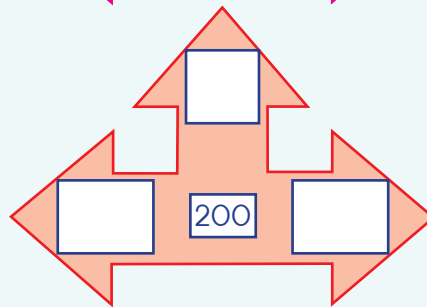
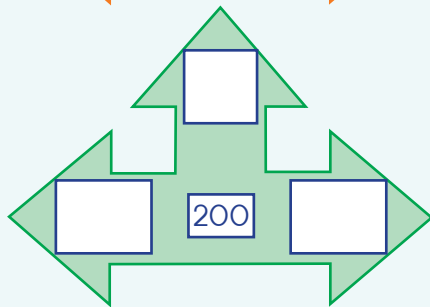
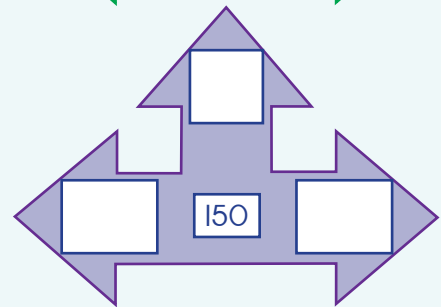
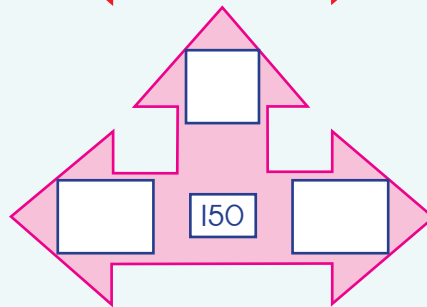
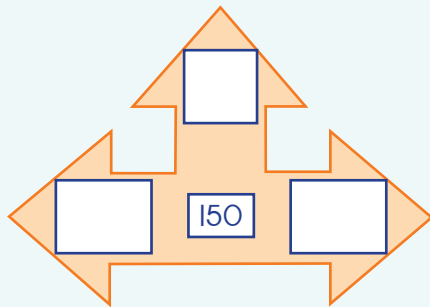
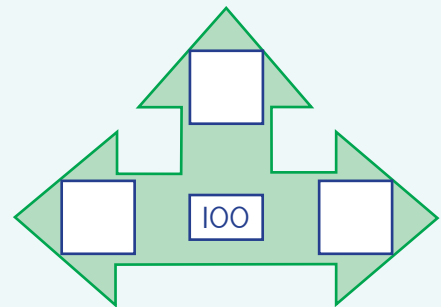
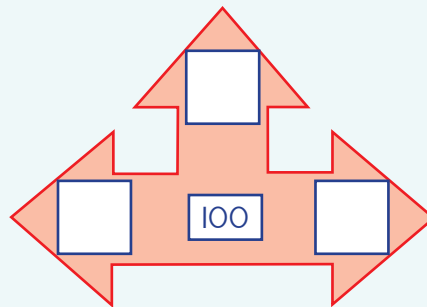
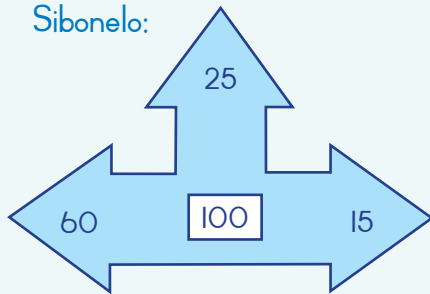


## Imindeni yalabatsatfu

Tfola-3 tinombolo letihlanganisa lenombolo lehlosiwe.

Umtsetfo: Ibe yinye nje kuphela inombolo lengacina ngeli-O.

Sibonelo:



## Ema-50 ngetulu nema-50 ngaphasi

Bhala timphendvulo kuluhlu lwesi-2.

|     |     |     |     |     |     |     |     |     |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| +50 | 70  | 125 | 150 | 81  | 96  | 122 | 134 | 111 | 70 |
|     | 120 |     |     |     |     |     |     |     |    |
| -50 | 186 | 200 | 158 | 179 | 139 | 79  | 126 | 138 | 99 |
|     | 136 |     |     |     |     |     |     |     |    |



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

40

Lusuku:

## Kukala ngemasentimitha



Ngabe lisentimitha lingakanani?



Letinombolo kurula timele **emasentimitha**.

Sisebentisa lesinciphiso nobe luphawu lwa **-cm**.

Uma usebentisa irula, kumele ucale kulinganisa kuli **-O**.

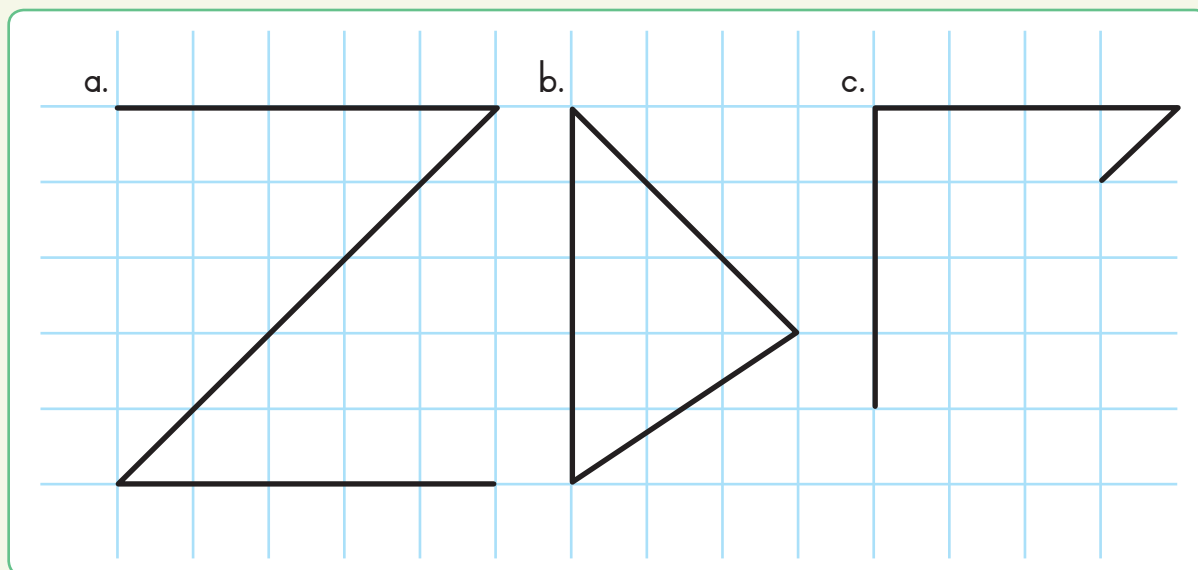
Lamanye emarula akakhombisi leli **-O** njengalena lekulelikhasi.

Tfola licandza le **-cm** kurula. Bhala li **-O** kurula.

Ukuphi IO cm kulerula? Bhala IO lapho.



Linganisa, bese ukala kahle ngerula yakho budze lobuphelele balemigca ngema cm.



|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| a. Linganisa <input type="text"/> cm | b. Linganisa <input type="text"/> cm | c. Linganisa <input type="text"/> cm |
| Kala <input type="text"/> cm         | Kala <input type="text"/> cm         | Kala <input type="text"/> cm         |



## Mudze ngakanani umugca munye?

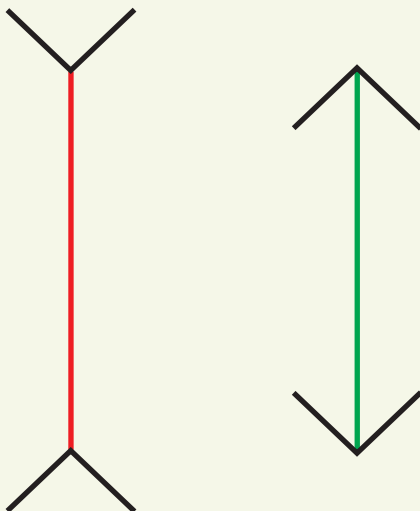
Ngabe umugca mudze ngema-cm lamangakhi?  
Sebentisa umunwe kuisita kuncuma.

|                                  |                                  |
|----------------------------------|----------------------------------|
| a. _____ <input type="text"/> cm | d.   <input type="text"/> cm     |
| b. _____ <input type="text"/> cm | e. _____ <input type="text"/> cm |
| c. _____ <input type="text"/> cm | f. _____ <input type="text"/> cm |



## Ngabe ucinisekile?

Ngumuphi lomudze, umugca lobovu nobe loluhlata?  
Ungahlola njani?



Loku ngulokubitwa ngekukhohlisa lokubonakalako. Loku kwenteka uma emehlo akho abona into lengekho. Lemigca lembili iyalingana. Lemigca lebheke ekhatsi yenta umugca loluhlata ubukeke sengatsi mufisha kunaloku lewungiko. Lemigca lemnyama lechubekela ngephandle yenta lena lebovu ibukeke imijana bese imigca lemnyama lebheke ngekhatshi yente imigca leluhlata ibukeke imifishanyana.



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



41

## Umgomo 300



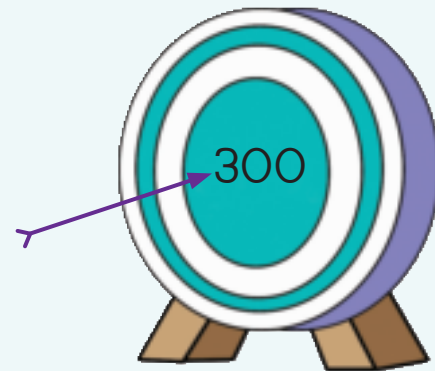
Bala futsi ubhale ema-200

Bala kusuka kuma-201 kuye kuma-300.

Khomba njengobe uhamba.

Emva kwaloko gwalisa tinombolo letilingangane kucala.

Sale ubhala tonkhe letinye tinombolo.



|     |  |     |     |     |     |     |     |     |     |
|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|
| 201 |  |     |     |     |     | 207 |     |     | 210 |
| 211 |  |     |     |     |     |     |     |     |     |
| 221 |  |     |     |     |     |     |     |     |     |
| 231 |  |     |     |     |     |     |     |     |     |
|     |  |     |     |     |     |     |     | 249 |     |
|     |  |     | 254 |     |     |     |     |     |     |
|     |  |     |     | 265 |     |     |     |     |     |
|     |  | 273 |     |     |     |     |     |     | 280 |
| 281 |  |     |     |     | 286 |     |     |     |     |
|     |  |     |     |     |     |     | 298 |     | 300 |

Bhala letinombolo letili-10 letilandzelako emva kwema-300.

300; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_



Yini luzubo?

|     |  |     |  |  |     |     |  |
|-----|--|-----|--|--|-----|-----|--|
| 301 |  | 281 |  |  |     |     |  |
|     |  |     |  |  |     |     |  |
|     |  | 171 |  |  |     | 211 |  |
|     |  |     |  |  |     |     |  |
|     |  |     |  |  | 101 |     |  |



Kukhombisa nekucatsanisa.

a. Bhala letinombolo letingena ekhadini ngalinye.

298; 208; 301; 276; 227; 269; 311

|     |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|
| 200 |  |  |  |  |  |  |  |
| 90  |  |  |  |  |  |  |  |
| 8   |  |  |  |  |  |  |  |

b. Bhala tinombolo ngeluhla kusukela kulencane kuya kulenkulu kakhulu.

\_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_



Yini ingucuko? Bhala letinombolo letishiyekile.

Kucala

|     |     |     |  |     |  |     |
|-----|-----|-----|--|-----|--|-----|
| 200 | +25 | 225 |  | 237 |  | 249 |
|     |     |     |  |     |  |     |

Kuphela

|     |  |     |  |     |  |     |
|-----|--|-----|--|-----|--|-----|
| 300 |  | 286 |  | 278 |  | 261 |
|     |  |     |  |     |  |     |



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

11 12 13 14 15 16 17 18 19 20

42

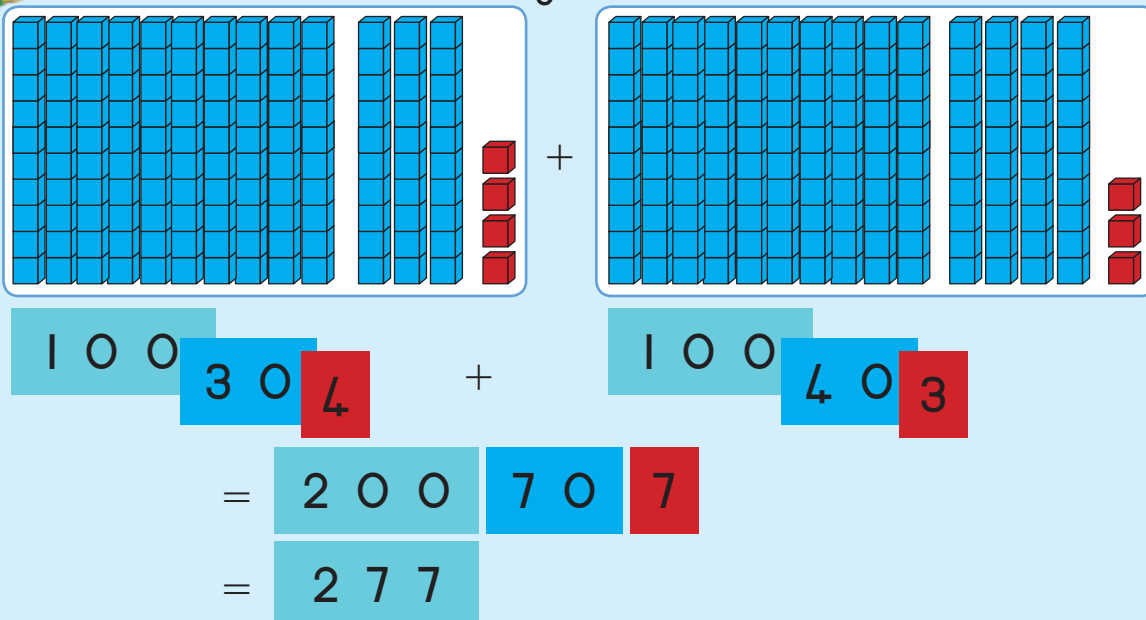
Lusuku:

## Ithemu 2

## Kuhlanganisa nekususa ngabol100



Kusebentisa emabhuloki kuhlanganisa



Landzela letindlela letimbili. Khombisa imphendvulo ngayinye ngetindlela letimbili.

a.  $132 + 123$ 

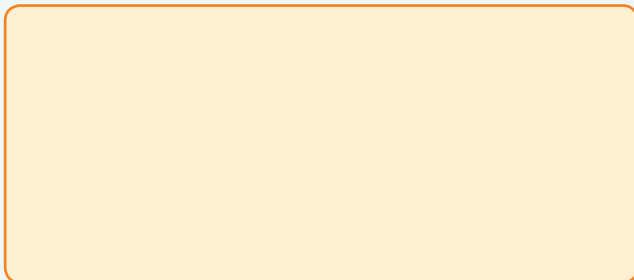
Indlela ya Busi

$$\begin{aligned}
 &= 100 + 100 + 30 + 20 + 2 + 3 \\
 &= 200 + 50 + 5 \\
 &= 255
 \end{aligned}$$



Indlela ya -Dumi

$$\begin{aligned}
 &132 + 123 \\
 &= 200 + 50 + 5 \\
 &= 255
 \end{aligned}$$

b.  $114 + 162$ 



c.  $276 + 148$



Bukisisa indlela ngayinye. Yenta sibalo ngasinye ngetindlela letimbili.

a.  $158 - 146$

Indlela ya Busi

$$\begin{aligned} &= 100 - 100 + 50 - 40 + 8 - 6 \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$



Indlela ya-Dumi

$$\begin{aligned} &158 - 146 \\ &= 0 + 10 + 2 \\ &= 12 \end{aligned}$$



b.  $194 - 122$

c.  $288 - 199$



Teacher:  
Sign:  
Date:



43

Lusuku:

Ithemu 2

## Umgomo 400

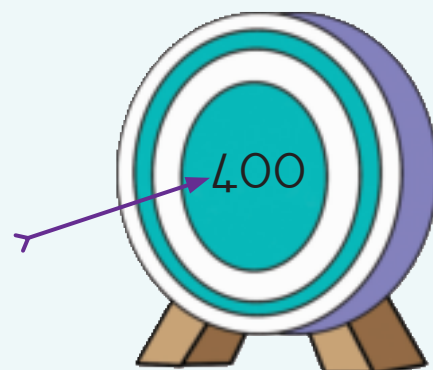


Kubala nekubhala ngema-400

Bala kusuka kuma-300 uye kuma-400

Shano tinombolo usachubeka.

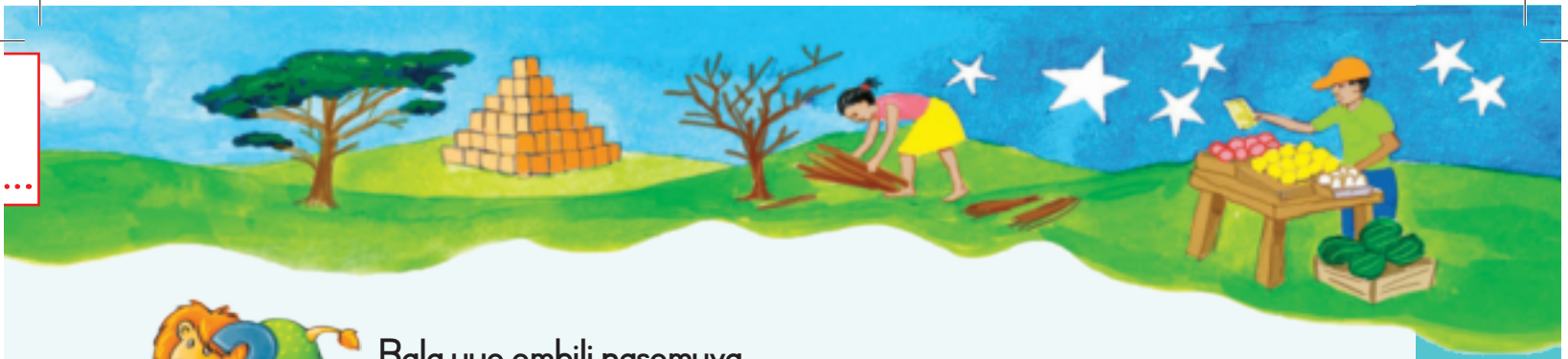
Bhala tinombolo letishiyiwe kulegridi.



|     |  |     |  |     |  |  |     |     |     |
|-----|--|-----|--|-----|--|--|-----|-----|-----|
| 301 |  |     |  |     |  |  |     |     | 310 |
|     |  |     |  | 315 |  |  |     |     |     |
|     |  |     |  |     |  |  |     |     | 330 |
| 331 |  |     |  | 335 |  |  |     |     |     |
|     |  |     |  |     |  |  |     | 249 |     |
|     |  |     |  |     |  |  |     |     |     |
|     |  |     |  | 365 |  |  | 368 |     |     |
|     |  | 273 |  |     |  |  |     |     |     |
|     |  |     |  |     |  |  |     |     | 390 |
|     |  |     |  |     |  |  |     |     | 400 |

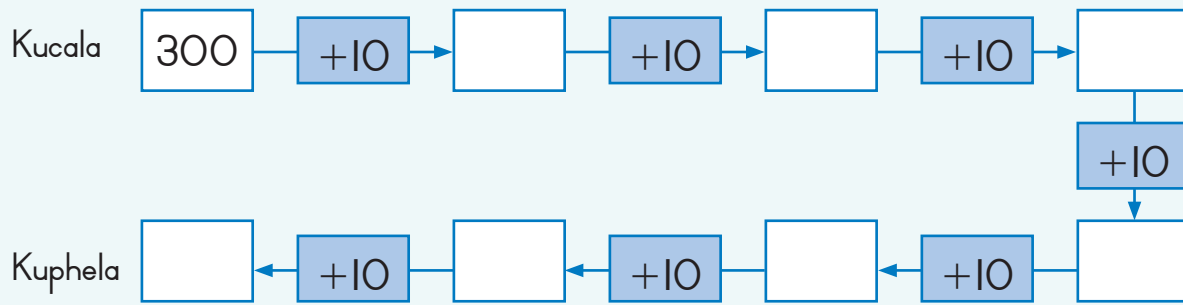
Bhala tinombolo letiyi-9 emva kwema-400.

400; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_;

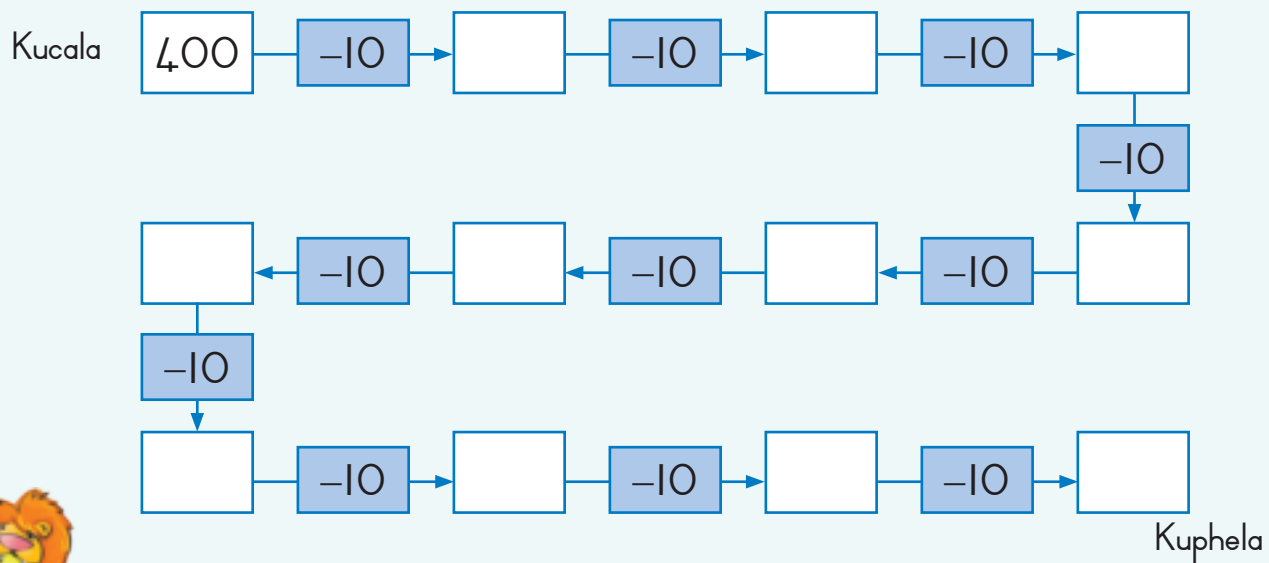


Bala uye embili nasemuva.

a. Kubala uye embili ngemashumi usuka kuma-300



b. Bala usuke kuma-400



Bhala kube yinombolo yinye.

$$300 + 20 + 4 = \underline{\hspace{2cm}}$$

$$300 + 50 + 3 = \underline{\hspace{2cm}}$$

$$300 + 60 + 2 = \underline{\hspace{2cm}}$$

$$300 + 80 + 1 = \underline{\hspace{2cm}}$$

$$300 + 10 + 5 = \underline{\hspace{2cm}}$$

$$300 + 70 + 7 = \underline{\hspace{2cm}}$$

$$300 + 90 + 9 = \underline{\hspace{2cm}}$$

$$300 + 40 + 8 = \underline{\hspace{2cm}}$$

Bhala tinombolo ngekulandzelana kwato kusuka kulencane kakhulu kuya kulenkulu kakhulu.

\_\_\_\_\_



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

44

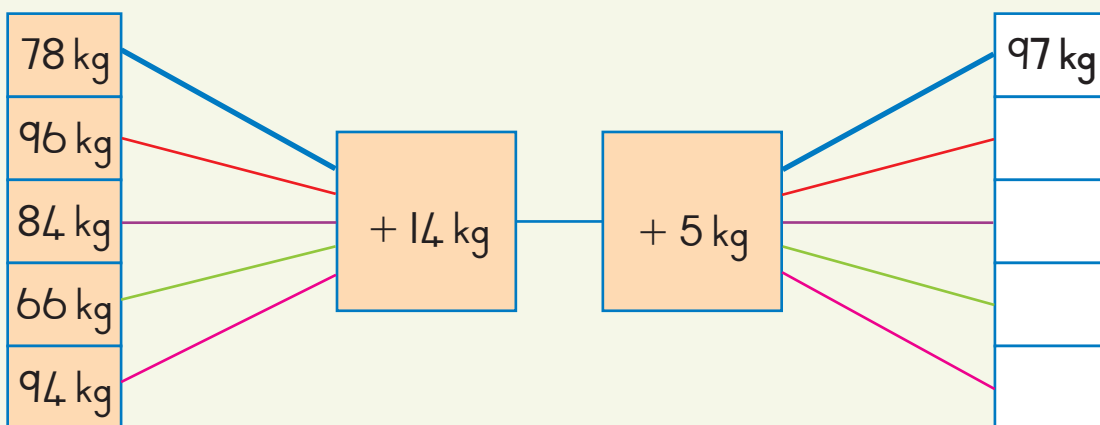
Lusuku:

# Kukala



Inombolo lekhethsekile

Hlanganisa uphindze ubhale timphendvulo.



Sondzeta bese uyengeta!

Cabanga ngekuhlakanipha!

|                |               |              |                          |               |
|----------------|---------------|--------------|--------------------------|---------------|
|                |               |              |                          |               |
| Jakalazi 25 kg | Lufudvu 98 kg | Imfene 59 kg | Umtfwana welidvuba 88 kg | Lilandza 9 kg |

Sondzeta sisindvo sesilwane ngasinye ku 10 kg.

Bhala sisindvo sesilwane ngasinye ngekulandzelana kusuka kulesilula kuya kulesesindzako.

Yenta silinganiso sesamba sesisindvo saletilwane letisi - 5 setitonkhe.



Hlanganisa lesisindvo sato.



Kungenteka ngingasindzi njengawe Lufudvu loludzala,  
kodvwa ngiyakwendlula ngelitubane!



Tingatselo

- Sebentisa emanani akho lasondzetiwe kulinganisa.
- Linganisa sisindvo setilwane kuluhlu ngalunye.
- Bala emathothali usebentisa sisindvo lesingiso.
- Catsanisa lamathothali lamabili bese ubhala umehluko.

|                                                                                                                                                                                                                                                                 | Ngiyalinganisa | Ngiyabala | Umehluko |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|----------|
|  +                                                                                            |                |           |          |
|  +  +  |                |           |          |
|  +  +  |                |           |          |



Sisindvo saVusi

Buka. Catsanisa. Lungisa.

Vusi uhlanganisa sisindvo sakhe kutisindvo teli-  nelu-  . Sisindvo sabo lesiphelele ngema- 239 kg. Ngabe Vusi usindza ngakanani? Khombisa imphendvulo yakho.



Sitsini sami sisindvo?

Dlalani ngemacembu. Ntjintjanani...

Hlanganisa sisindvo sakho kususindvo saletinye tilwane. Tfola ithothali! Tjela licembu imphendvulo. Ungabakhombisi umsebenti wakho! Kumele batame kutfola sisindvo sakho.



Teacher:

Sign:

Date:



45

Lusuku:

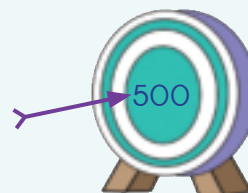
Ithemu 2



Bala uphindze ubhale

Umgomo 500

400



|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 401 |     |     |     | 405 |     |     |     |     | 410 |
| 411 |     |     |     |     |     |     |     |     | 420 |
|     | 422 |     |     |     |     | 427 |     |     |     |
|     |     |     | 434 |     |     |     |     |     |     |
|     |     |     |     |     | 446 |     |     |     |     |
|     |     |     |     |     |     |     | 458 |     |     |
|     | 462 |     |     |     |     |     |     |     | 470 |
|     |     | 473 |     |     |     | 477 |     |     |     |
| 481 |     |     |     |     |     |     |     |     | 490 |
|     |     |     |     |     |     |     |     | 499 | 500 |

- Bala uchubeke kusuka kuma-400. Shano letinombolo njengobe uhamba.
- Bhala tinombolo letingekho kugridi.
- Bhala tinombolo letiyi-9 letilandzelako emva kwema-500.

500; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

- Bala ngaku-2. Bhala tinombolo letisi-8 letilandzelako ngephethini yabo-2.

400; 402; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

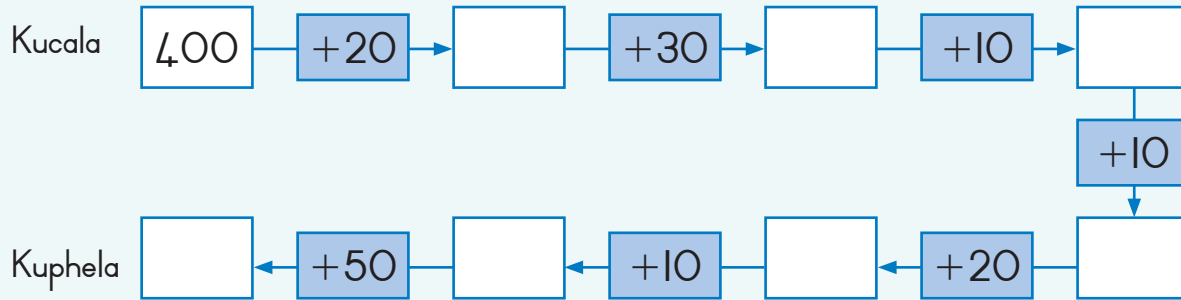
- Bala ngeti-5. Bhala tinombolo letisi-8 letilandzelako ngephethini yeti-5.

400; 405; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

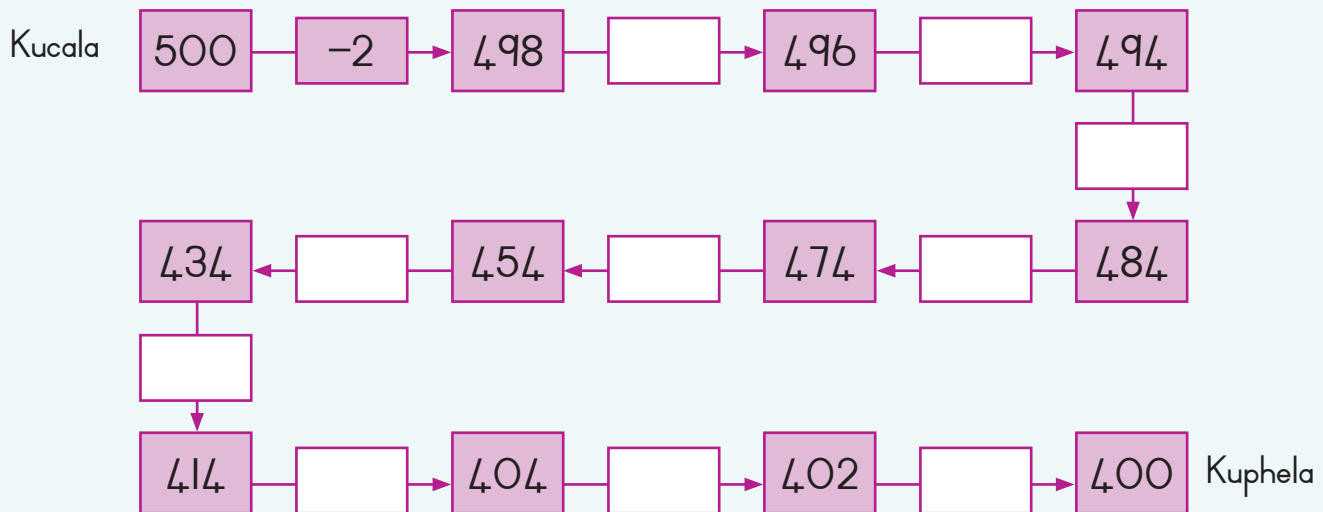


Yini umehluko?

a. Balela embili kusuka kuma-400.



b. Balela emuva kusuka kuma-500.



Khombisa letinombolo. Landzela lesibonelo.

Tfola inhlanganisela yesamba. Sebentisa emakhadi akho etinombolo kukhombisa samba ngasinye.

|            |     |                |
|------------|-----|----------------|
| $405 + 10$ | 415 | $400 + 10 + 5$ |
| $446 + 10$ |     |                |
| $455 + 10$ |     |                |

|            |  |  |
|------------|--|--|
| $398 + 10$ |  |  |
| $424 + 10$ |  |  |
| $460 + 20$ |  |  |



## Kuhlangukisa nekususa

Yini lokubonako?

|                                                                 |                                               |       |
|-----------------------------------------------------------------|-----------------------------------------------|-------|
| $\begin{array}{r} 200 \\ 200 \\ 50 \\ 30 \\ 4 \\ 5 \end{array}$ | $\begin{array}{r} 400 \\ 80 \\ 9 \end{array}$ | $489$ |
|-----------------------------------------------------------------|-----------------------------------------------|-------|



Sitawuphindze sisebentise indlela yaBusi naDumi kwengeta.

a.  $245 + 231$

Indlela yaBusi

$$\begin{aligned} &= 200 + 200 + 40 + 30 + 1 \\ &= 400 + 70 + 1 \\ &= 471 \end{aligned}$$



Indlela ya-Dumi

$$\begin{aligned} &245 + 231 \\ &= 400 + 70 + 6 \\ &= 471 \end{aligned}$$



b.  $278 + 136$

c.  $265 + 148$



Sitawusebentisa indlela yaBusi naDumi kunciphisa.

a.  $476 - 324$

Indlela yaBusi

$$= 400 - 300 + 70 - 20 + 6 - 4$$

$$= 100 + 50 + 2$$

$$= 152$$



Indlela ya-Dumi

$$476 - 324$$

$$= 100 + 50 + 2$$

$$= 152$$

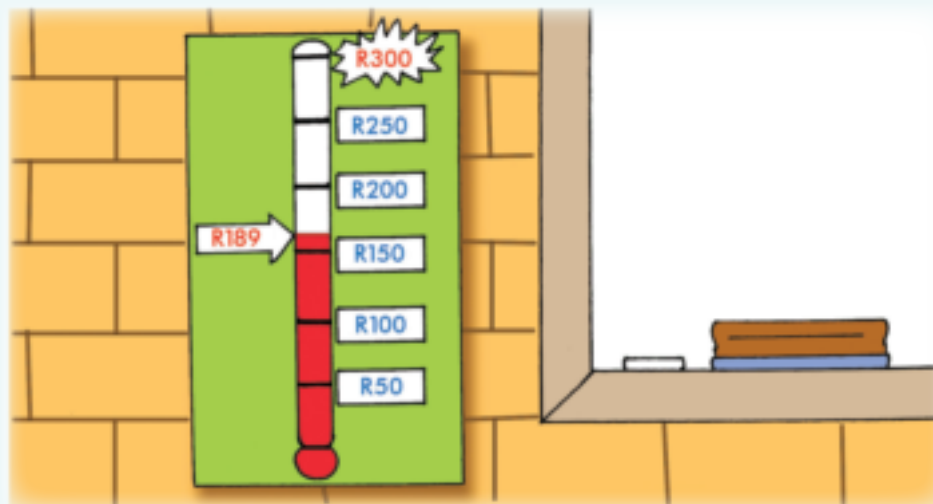


b.  $489 - 456$

c.  $482 - 161$



Kushaya inkoyoyo



Bukisisa lesitfombe.

Kusele kangani ushaye inkoyoyo?

R



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_





## Intsaba leyimfihlo

Yini ligama lentsaba lenkhulu eGauteng? Sebentisa lekhodi kutfola.  
Condzanisa imphendvulo ngayinye ethebuleni eluhlavini lolukukhodi.

|    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| A  | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M  |
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| N  | O  | P  | Q  | R  | S  | T  | U  | V  | W  | X  | Y  | Z  |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

| Tinombolo temikhondvo                              | Imphendvulo | Luhlavu |
|----------------------------------------------------|-------------|---------|
| Sibonelo: $2 \times 3 \times 3 \times 1 = \square$ | 18          | R       |
| $50 + 50 + 50 + 100 - 200 - 45 = \square$          |             |         |
| $1 + 2 + 7 + 10 + 7 + 1 - 14 = \square$            |             |         |
| $60 - 30 + 50 + 20 - 50 - 15 - 20 = \square$       |             |         |
| $3 + 2 + 7 + 1 + 2 + 1 + 3 = \square$              |             |         |
| $5 + 3 + 30 = 4 + 2 + 12 + \square$                |             |         |
| $100 - 5 - 70 = 20 + \square$                      |             |         |
| $36 + 44 - 60 - 22 = \square$                      |             |         |
| $10 + 15 = 14 + \square$                           |             |         |
| $2 + 1 + 14 + 9 + 14 = 25 + \square$               |             |         |
| $1 \times 2 \times 2 \times 2 \times 2 = \square$  |             |         |

Ligama lentsaba yi



Buka! Cabanga, futsi uphendvule!

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

- a. Lutawuba njani luphawu lwa-16? Faka luphawu (✓) loku lokunguko. \* ● ☾
- Lutawuba njani luphawu lwa-18? Faka luphawu (✓) loku lokunguko. \* ● ☾
- Lutawuba njani luphawu lwa-23? Faka luphawu (✓) loku lokunguko. \* ● ☾

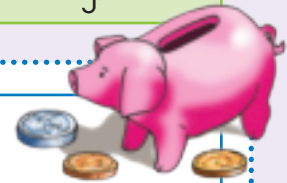
- b. Nombolo 50 utawuba \*. Liciniso nobe Akusilo liciniso?
- Nombolo 100 utawuba ●. Liciniso nobe Akusilo liciniso?
- Nombolo 28 utawuba ☾. Liciniso nobe Akusilo liciniso?



Ngukuphi lokungetulu?

Kutfola R2,50 ngelilanga imali yekudla ngeNhlaba nangaKholwane noma kutfola R150 imali yonkhe yemphako waletinyanga totimbili. Khombisa kutsi ukubale njani loku.

Hlola. Catsanisa. Lungisa.

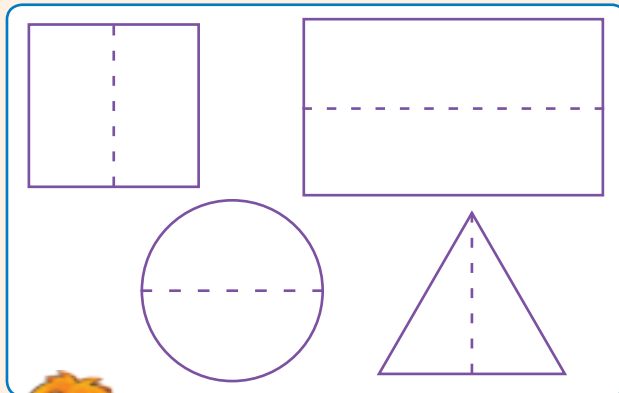


Teacher:  
Sign:  
Date:

11 12 13 14 15 16 17 18 19 20

## Umugca - sibuko

Yini lokunakako ngalabobunjwa?



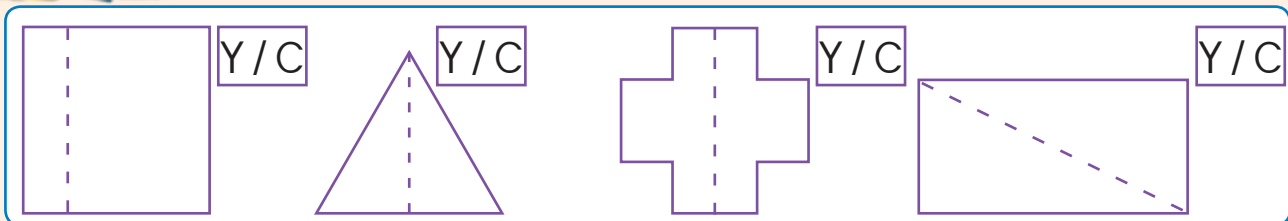
Dvweba umugca wesitfunti-mafanana waloyo naloyo bunjwa.

Umugca wesitfunti-mafanana ubhukula emkhatsini boh haf u lababili kwente kutsi ih haf u iyinye if anane ncwe naleya lenye njengesitfunti esibukweni.

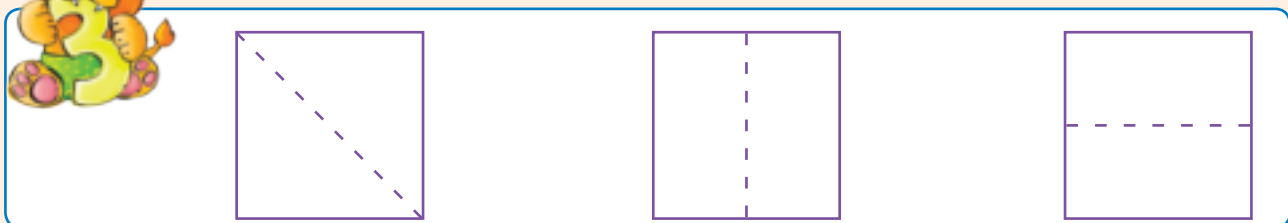
Bunjwa uba nesitfunti-mafanana uma ungamgoba emugceni wesitfunti-mafanana lapho khona laboh haf u lababili baf ana njengemaphahla.

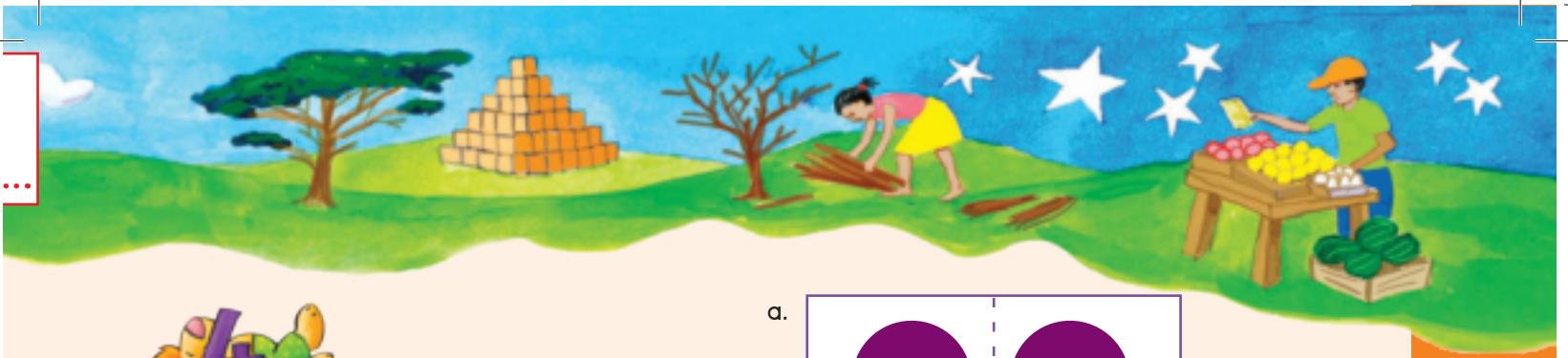


Umugca longemacashata ngabe ngewesitfunti-mafanana noma cha? Kipilitela (Yebo)noma (Cha).



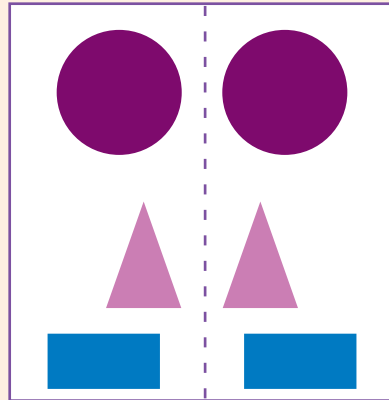
Ngabe nguwo umkhatsi-layini locondzile lo? Usho ngani?



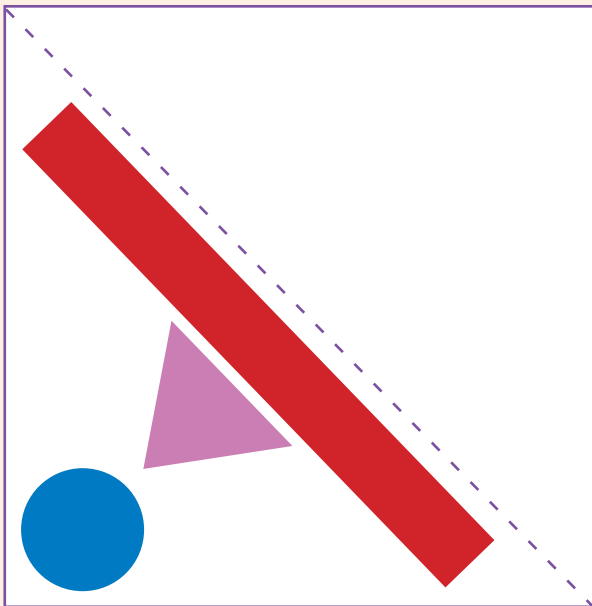


Dvweba bobunjwa kwenta sitfombe  
sesitfunti-mafanana. Sikwentele  
sibonelo sekucala.

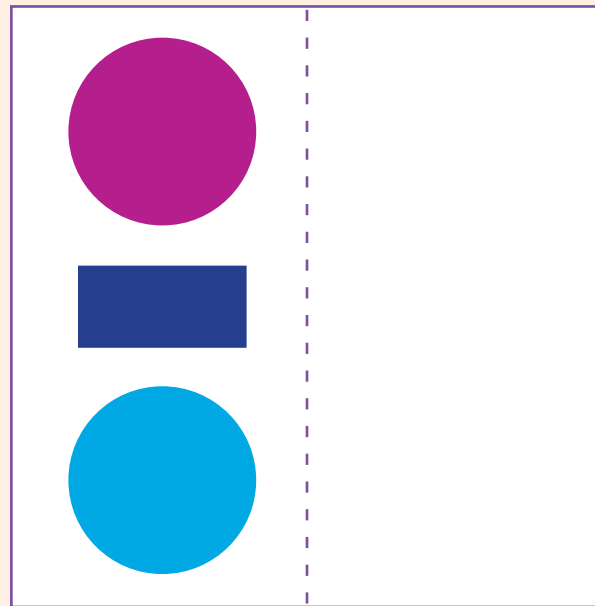
a.



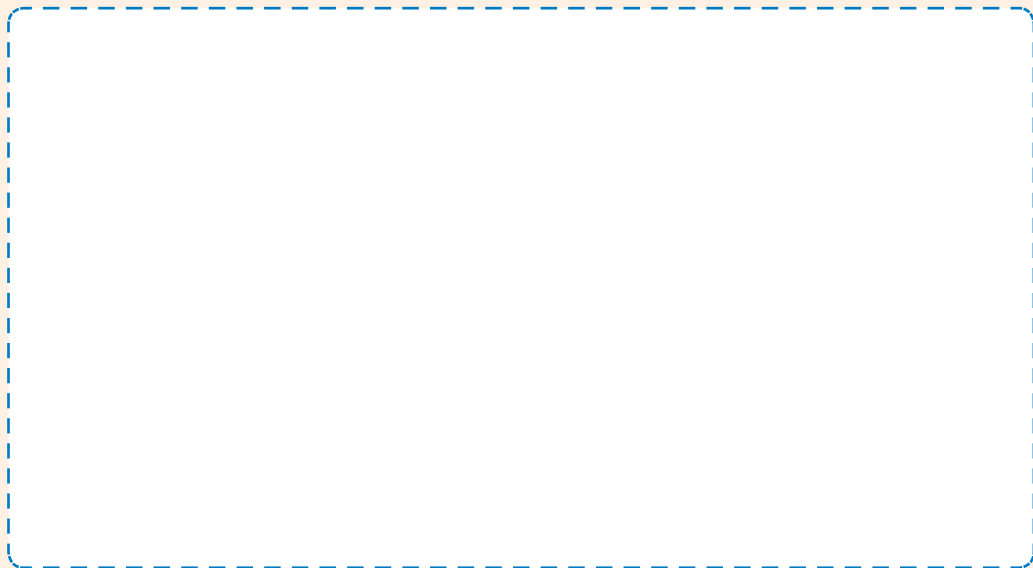
b.



c.



Yakha lakakho  
licansi  
letitfunti-  
mafanana  
usebentise  
bobunjwa.





49

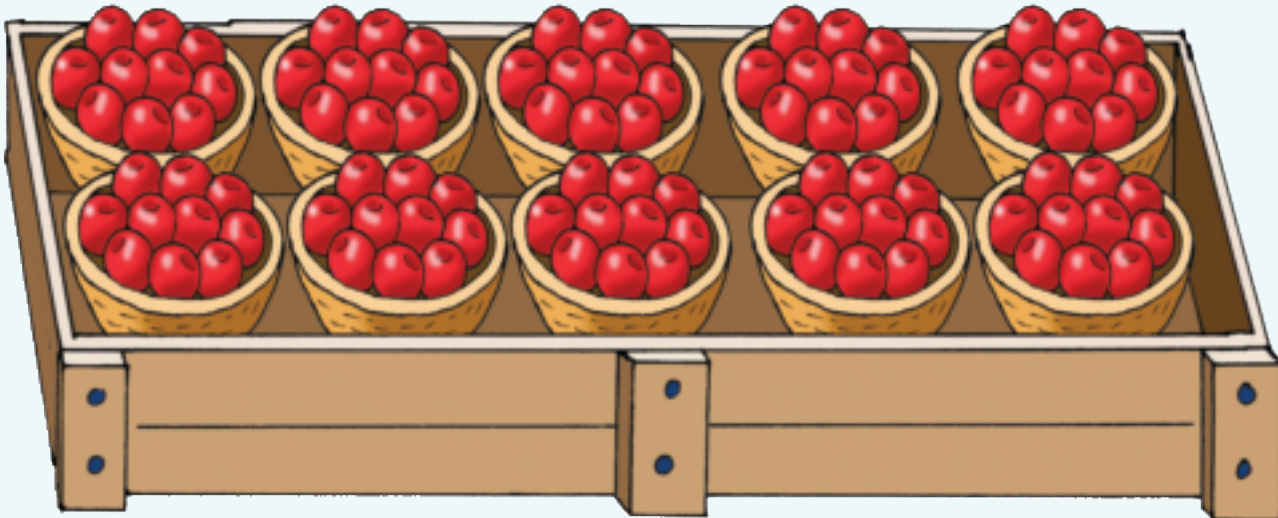
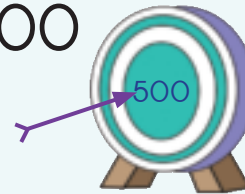
Lusuku:

Ithemu 2



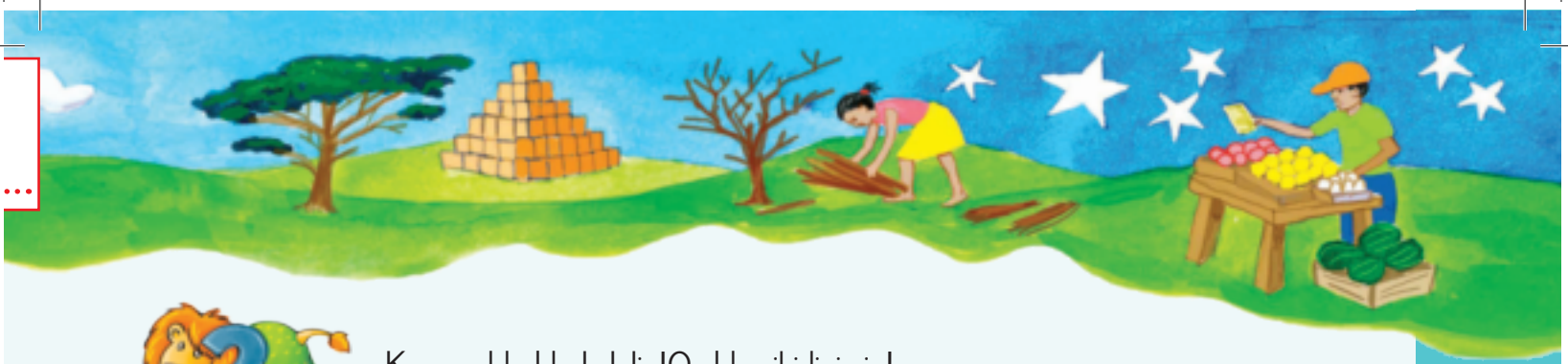
Kwakha kufika kuma-500

Kubala lamahhabhula



Cedzela bese uyaphindzaphindza.

|                                                    |                                              |
|----------------------------------------------------|----------------------------------------------|
| Libhasikidi li-1 liphatsa emahhabhula la _____.    | $1 \times 10 = 10$                           |
| Emabhasikidi lama-3 aphantsa emahhabhula la _____. | $3 \times 10 =$                              |
| Emabhasikidi lasi-5 aphantsa emahhabhula la _____. |                                              |
| Emabhasikidi la-4 aphantsa emahhabhula la _____.   |                                              |
| Emabhasikidi la-2 aphantsa emahhabhula la _____.   |                                              |
| 1 likasi licukatsa 100 wemahhabhula.               | 2 wemakasi acukatsa _____ wemahhabhula.      |
| 3 wemakasi acukatsa _____ wemahhabhula.            | 4 wemakasi acukatsa _____ wemahhabhula.      |
| 5 wemakasi acukatsa _____ wemahhabhula.            | 2 hhafu wemakasi ucukatsa _____ emahhabhula. |

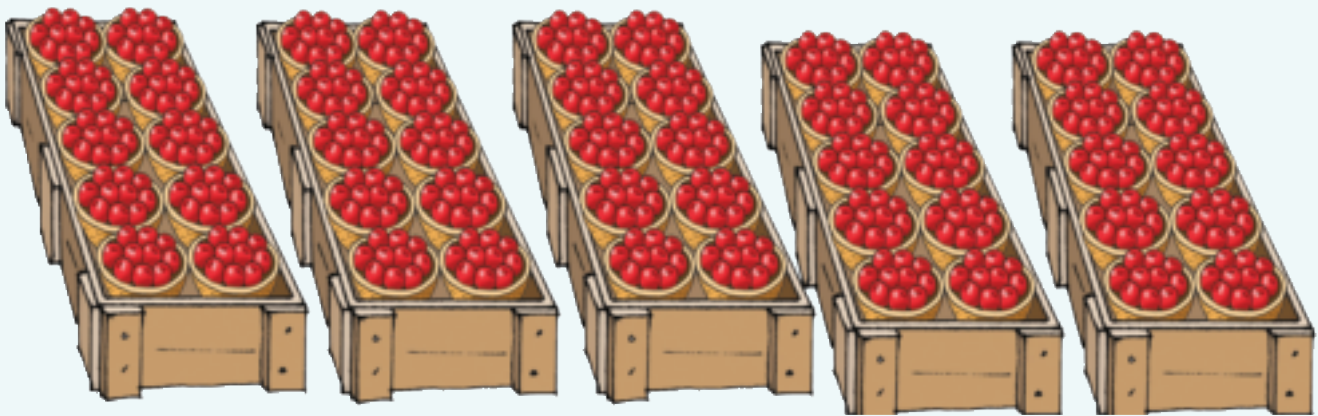


Kunemahhabhula lali-IO ebhasikidini yi -I.

Kuna \_\_\_\_\_ wemabhasikidi ekasini linye.

Kuna \_\_\_\_\_ wemahhabhula ekasini linye.

Mangakhi emahhabhula sekawonkhe? \_\_\_\_\_



Bala, ukhombise futsi ubhale

Kwekucala sebentisa emakhadi etinombolo kukhombisa ithothali ngayinye.  
Emva kwaloko bhala lenombolo.

300

40

5

3 emakasi + 4 emabhasikidi + 5 Emahhabhula = 345 emahhabhula

4 emakasi + 5 emabhasikidi + 7 Emahhabhula = \_\_\_\_\_ emahhabhula

5 emakasi + 2 emabhasikidi + 3 Emahhabhula = \_\_\_\_\_ emahhabhula

4 emakasi + 7 emabhasikidi + 2 Emahhabhula = \_\_\_\_\_ emahhabhula



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

11 12 13 14 15 16 17 18 19 20

50

Lusuku:

Ithemu 2

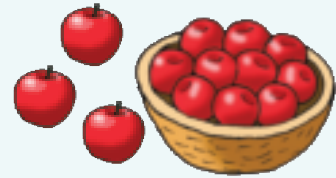
## Kuphindzaphindza nekwaba nga (10)



Kubala emahhabhula.

Gcwalisa lelithebula.

Mangakhi emabhasikidi lacukatsa emahhabhula?

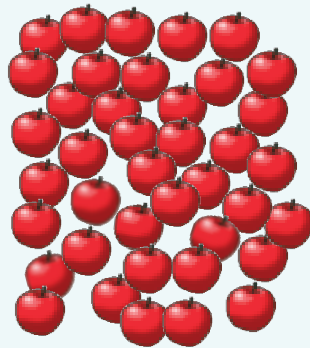


|                                                                                                |    |    |    |    |                    |
|------------------------------------------------------------------------------------------------|----|----|----|----|--------------------|
| Emahhabhula   | 10 | 20 | 30 | 40 | 50                 |
| Emabhasikidi  | 1  | 2  |    |    |                    |
| ÷ sibalo                                                                                       |    |    |    |    | $50 \div 10 = 5$   |
| × sibalo                                                                                       |    |    |    |    | $5 \times 10 = 50$ |



a.

Yabela bantfwana emahhabhula. Yenta sibalo sekwaba nesekuphindzaphindza kuhlolisisa inphendvulo yakho.



Hlola timphendvulo takho

$$\square \div \square = \square$$

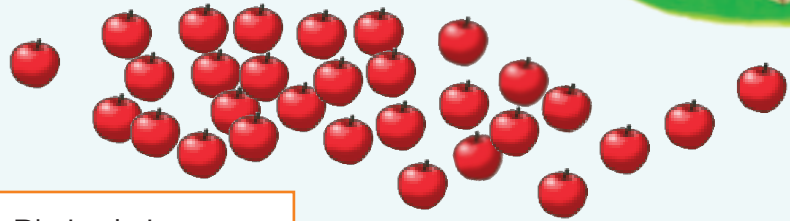
$$\square \times \square = \square$$







b.



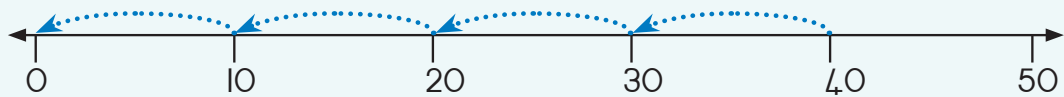
Bhala sibalo se  $\div$



Bhala sibalo se  
 $\times$  kuhlolisisa  
timphendvulo takho.



Sebentisa letinombolo kwenta yakho imishonombolo.



$\div$   $40 \div 10 = 4$

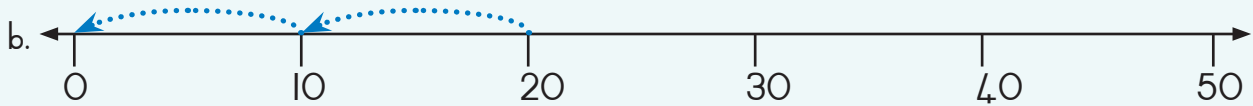
$\times$   $4 \times 10 = 40$

Imishonombolo



$\div$

$\times$



$\div$

$\times$



$\div$

$\times$



Bhala inombolo lencane nga 10 nalenkhulu nga 10 kunaleyo leniketiwe.

|                                                  |                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <input type="text"/> , 460, <input type="text"/> | <input type="text"/> , 390, <input type="text"/> | <input type="text"/> , 500, <input type="text"/> |
|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|

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





## Bala ngaku-2

Balela phambili ngaku-2 nasemuva.

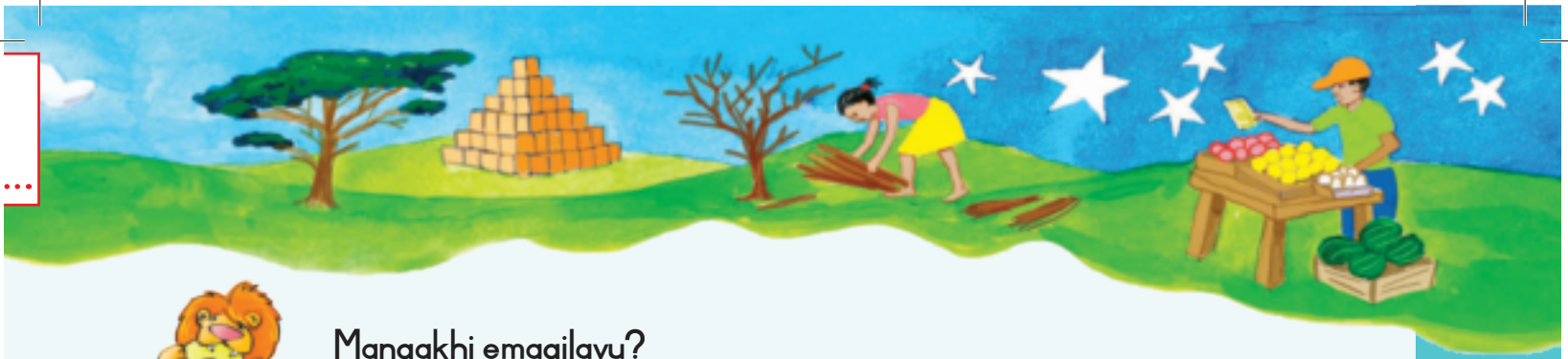
- a. 232; 234; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 242; \_\_\_\_\_; \_\_\_\_\_; 248
- b. 500; \_\_\_\_\_; 496; \_\_\_\_\_; \_\_\_\_\_; 490; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_
- c. 460; \_\_\_\_\_; \_\_\_\_\_; 400; \_\_\_\_\_; 360; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_
- d. 341; \_\_\_\_\_; 361; \_\_\_\_\_; \_\_\_\_\_; 391; \_\_\_\_\_; 411; \_\_\_\_\_; \_\_\_\_\_



Emapheya  
emagilavu



- a. Mangakhi emapheya emagilavu kuluhlu lunye? \_\_\_\_\_
- b. Mangakhi emagilavu lahamba ngalinye kuluhlu lunye? \_\_\_\_\_
- c. Tingakhi tinhl? \_\_\_\_\_
- d. Mangakhi emagilavu sekawonkhe? \_\_\_\_\_
- e. Khombisa kutsi ubale njani.
- f. Bhala imphendvulo yakho njengemushonombolo.  
\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_



Mangakhi emagilavu?

Bhala kumathebula.

a.

|                   |   |    |   |    |   |    |   |    |     |
|-------------------|---|----|---|----|---|----|---|----|-----|
| Lipheya           |   |    |   |    |   |    |   |    |     |
|                   | 1 | 10 | 5 | 50 | 4 | 40 | 3 | 30 | 100 |
| Linani lemagilavu | 2 |    |   |    |   |    |   |    |     |

b.

|                                   |    |    |    |    |
|-----------------------------------|----|----|----|----|
| Ligilavu linye                    | 20 | 21 | 70 | 73 |
| Emapheya langentiwa               |    |    |    |    |
| Emagilavu lahamba ngalinye lasele |    |    |    |    |



Bala ngakubili.

a. Nguyiphi inombolo leba semkhatsini waleti?

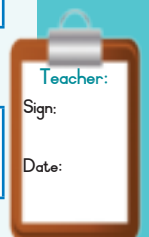
|                 |                 |                 |
|-----------------|-----------------|-----------------|
| 264, _____, 268 | 391, _____, 395 | 414, _____, 410 |
|-----------------|-----------------|-----------------|

b. Bhala tinombolo letimbili letilandzelako.

|                    |                         |                         |
|--------------------|-------------------------|-------------------------|
| 373, 375, 377, 379 | 480, 482, _____, _____, | 262, 264, _____, _____, |
|--------------------|-------------------------|-------------------------|

c. Bhala tinombolo letimbili letilandzelako.

|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| 346, 348, _____, _____, | 415, 417, _____, _____, | 297, 299, _____, _____, |
|-------------------------|-------------------------|-------------------------|





## Kulungiselela kwenta ingadze

Make Mabena unemathayili lamahle.

Uwasebentise kupheva indzawo tsite engadzeni yakhe.

Kunemathayili lasi-6 lalinganako.

Kufanele  
ngiwabeke njani?

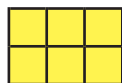


Ngengeta luhlu lu-1  
ngemathayili lasi-6  
ngeluhla.



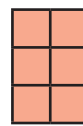
$$6 \times 1 = 6$$

Ngengeta tinhlu leti-2  
ngemathayili lama-3  
ngeluhlu.



$$3 \times 2 = 6$$

Ngengeta tinhlu leti-3  
ngemathayili lama-2 kuluhlu  
lunye.

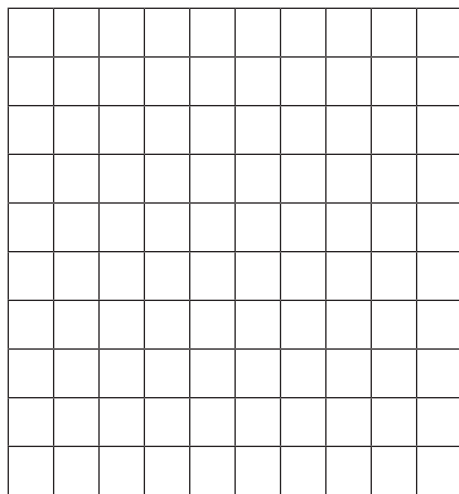


$$2 \times 3 = 6$$

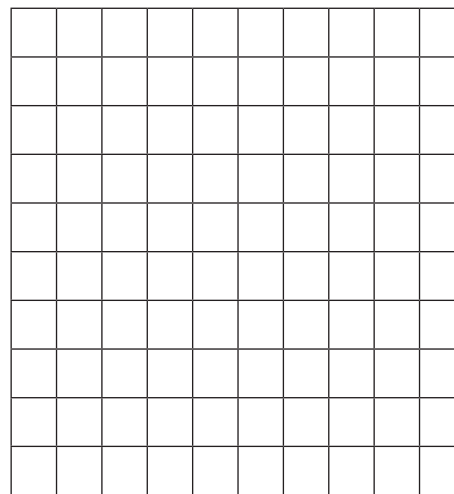
## Nyalo sekulitfuba lakho!

Faka umbala kumabhuloki kukhombisa kutsi ungawahlela njani emathayili lasi-8 ne-9 lasi kwele.

8 tikwele



9 tikwele



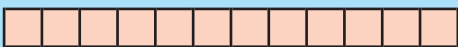
Bhala imishonombolo kumdvwebo ngamunye.





## Hlela emathayili lali-12

Thabo unemathayili lasikwele lali-12 kutsi apheve eceleni kwendlu. Msite atfole tindlela langenta ngato loku. Bhala umushonombolo lobonisa indlela ngayinye.

|                                                                                                |                                          |
|------------------------------------------------------------------------------------------------|------------------------------------------|
| Sibonelo:<br> | $1 \times 12 = 12$<br>$12 \times 1 = 12$ |
|                                                                                                |                                          |
|                                                                                                |                                          |



## Hlela emathayili langema-24

- Sebentisa legridi koLokujutjiwe 2.
- Hlobisa ngetindlela letehlukene kute uvale emabhuloki langema-24.
- Bhala imishonombolo kucatsanisa umdvwebo ngamunye.



## Ngingaphindzaphindza!

|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| $12 = 2 \times \square$ | $3 \times \square = 12$ | $9 = \square \times 3$  |
| $6 = 3 \times \square$  | $\square \times 3 = 12$ | $24 = 3 \times \square$ |

Teacher:  
Sign:  
Date:



## Ngeti-5 kuya ku ma-500



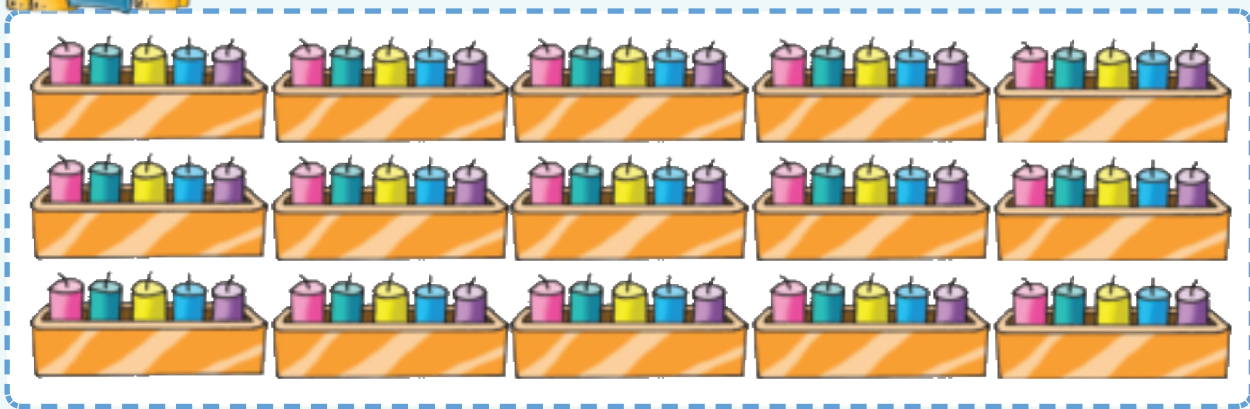
Yati ti-5 takho

Gcwalisa letimphendvulo.

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



Bala lamakhandlela



- Mangakhi emakhandlela ebhokisini ngalinye? \_\_\_\_\_
- Mangakhi emabhokisi eluheleni ngalunye? \_\_\_\_\_
- Mangakhi emakhandlela eluheleni ngalunye? \_\_\_\_\_
- Mangakhi emakhandlela sekawonkhe? \_\_\_\_\_



Khombisa imphendvulo yakho

Faka luphawu (✓) imishonombolo lekhombisa linani leliphela lemakhandlela.

a.  $5 \times 3 \times 3 = \square$  b.  $15 \times 3 = \square$  c.  $3 \times 5 \times 5 = \square$  d.  $15 \times 5 = \square$

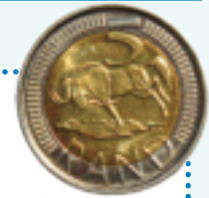


## Balela phambili nasemuva ngeti - 5

- a. 85; \_\_\_\_\_; \_\_\_\_\_; 70; \_\_\_\_\_; \_\_\_\_\_; 55; \_\_\_\_\_; \_\_\_\_\_
- b. 240; \_\_\_\_\_; \_\_\_\_\_; 255; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; 280
- c. 405; \_\_\_\_\_; 395; \_\_\_\_\_; \_\_\_\_\_; 380; \_\_\_\_\_; \_\_\_\_\_; 365; \_\_\_\_\_



## Geogca tindibilishi tabo R5



Bantfwana bakoleka boR5. Baswela kwenta bangakhi boR5?

|                            |                              |            |            |            |
|----------------------------|------------------------------|------------|------------|------------|
| R5 ÷ R5<br>= 1 indibilishi | R10 ÷ R5<br>= 2 tindibilishi | R15? _____ | R20? _____ | R25? _____ |
| R30? _____                 | R35? _____                   | R40? _____ | R45? _____ | R50? _____ |

$$2 \times R5 = \text{R } \boxed{\phantom{00}}$$

$$4 \times R5 = \text{R } \boxed{\phantom{00}}$$

$$3 \times R5 = \text{R } \boxed{\phantom{00}}$$

$$6 \times R5 = \text{R } \boxed{\phantom{00}}$$

Ngabe uyayibona lephethini?



## Phindzaphindza ngeti - 5

Sibonelo:  $1 \times 5 = 5$ ;  $11 \times 5 = 55$ ;  $21 \times 5 = 105$

Cabanga ngekuhlakanipha! Yakha ngetintfo lotatiko!

|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 5  | 10 |    |    |    |    |    |    |    |    |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 55 |    |    |    |    |    |    |    |    |    |



Teacher: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

11 12 13 14 15 16 17 18 19 20

## Kusebenta ngesikhatsi



## Dweba letikhatsi

|                          |                                                                   |                                                     |
|--------------------------|-------------------------------------------------------------------|-----------------------------------------------------|
|                          |                                                                   |                                                     |
| Kugabence insimbi yesi-5 | Kusele emashumi lasihlanu kutsi kushaye insimbi yelishumi nakunye | Imizuzu lelishumi neshlanu ishayile insimbi yeli-12 |
| 12:45                    | 6:15                                                              | 4:30                                                |

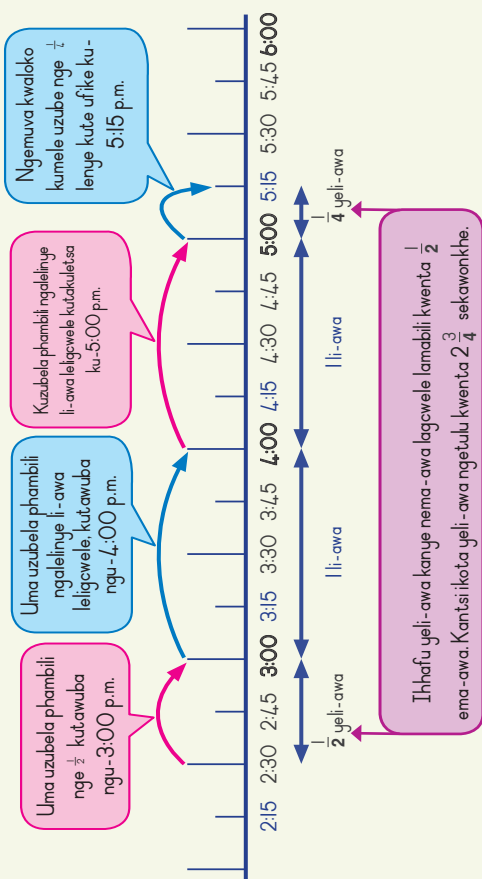


## Inkinga yesikhatsi



Make waNomso usuka ekhaya nga- 2:30 p.m.  
Ubuya emuva ekhaya nga- 5:15 p.m. Uhambe  
sikhatsi lesingakanani?

Singasebentisa umugacikhatsi kubala.  
Beka umunwe wakho  
ku- 2:30, sikhatsi lekungiso nyalo.



## Tinkinga tesikhatsi

Buka. Catsanisa. Lungisa.

Catulula inkinga ngayinye. Sebentisa imigacikhatsi kukusita.

a. Queenie uvakashela Babe wakhe emfolamphilo nga- 15:45 p.m. Usuka nga- 17:15 p.m.

Uvukashe sikhatsi lesingakanani?



b. Musa uya apaki nga- 10:45 a.m.

Ubuya ekhaya nga- 12:30 p.m.

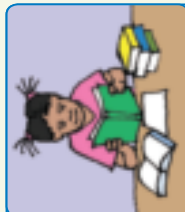
Uhambe sikhatsi lesingakanani?



c. Tumi ucala kufundza nga- 13:15 p.m.

Ucedza nga- 14:45 p.m.

Ngabe Tumi ufundze sikhatsi lesingakanani?



Teacher:  
Sign:  
Date:



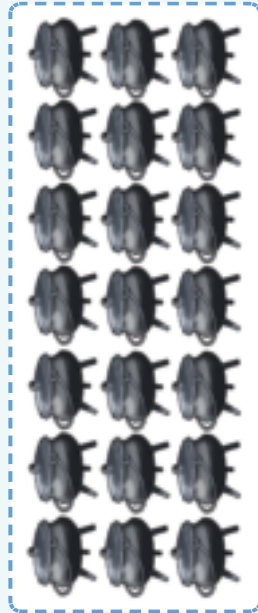


## Bala ngaku - 3 nangaku - 4



Emabhodo lanemilente lemi - 3

Hlanganisa bese  
ubhala timphendvulo



|                                                                     |
|---------------------------------------------------------------------|
| a. Mangakhi emabhodo eluheleni? _____                               |
| b. Mingakhi imilente eluheleni? _____                               |
| c. Mangakhi emahlele emabhodo? _____                                |
| d. Mingakhi imilente sejyongkhe? Khombisa kutsi ukubale njani loku. |

Ngumuphi umusho nombolo lkhombisa sekukonkhe.

$21 \times 7 = \square$     $3 \times 7 \times 3 = \square$     $3 \times 4 \times 2 = \square$     $21 \times 3 = \square$

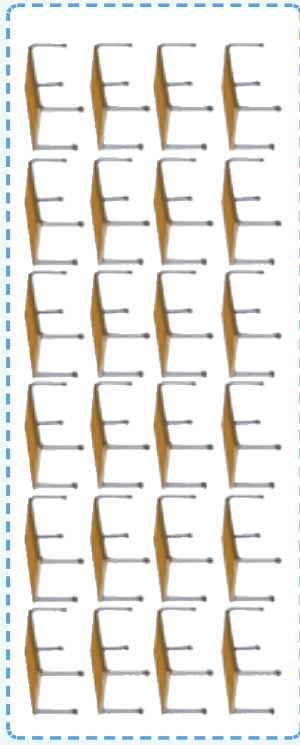


### Mingakhi imilente?

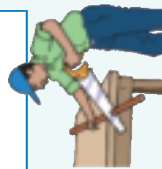
Cabanga ngekushesha  
Cabanga ngekuhlakanipha

|            |            |             |             |          |
|------------|------------|-------------|-------------|----------|
| 1 libhodo  | 3 imilente | 10 emabhodo | 5 emabhodo  | imilente |
| 2 emabhodo | imilente   | 15 emabhodo | 12 emabhodo | imilente |
| 5 emabhodo | imilente   | 13 emabhodo | 14 emabhodo | imilente |

## Imilente yelifatafula



|                                                                     |
|---------------------------------------------------------------------|
| a. Mangakhi ematafula eluheleni? _____                              |
| b. Mingakhi imilente eluheleni? _____                               |
| c. Mangakhi emahlele ematafula? _____                               |
| d. Mingakhi imilente sejyongkhe? Khombisa kutsi ukubale njani loku. |



### Sisefektri

Umbati wakha ematafula. Ucale akhe imilente.

Sewakhe ema - 48 kwanyalo. Mangakhi ematafula langawakha?

Kumele akhe mingakhi leminy e imilente yelifatafula linye?



Cedzela legridi ngekugcwalisa timphendvulo.

|            |   |   |   |   |   |    |    |    |
|------------|---|---|---|---|---|----|----|----|
|            | 2 | 3 | 4 | 5 | 8 | 10 | 11 | 12 |
| $\times 3$ | 6 |   |   |   |   |    |    |    |
| $\times 4$ | 8 |   |   |   |   |    |    |    |



## Sita bantfwana

Umntfwana munye, ingubo yinye!

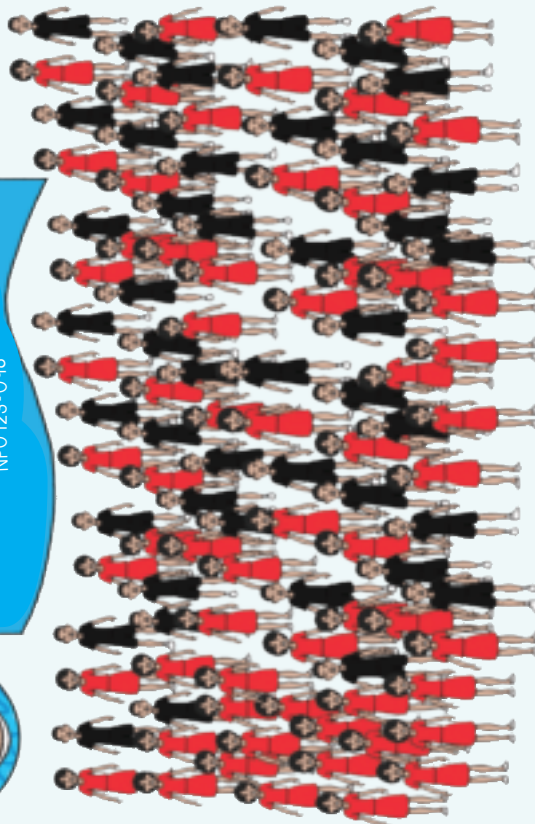
Bangakhi bantfwana? Linganisa, bese uyabala.



Ngubo yelitsemba

Futumelela bantfwabetfu

NPO 123-0q8



Bonkhe labantfwana esitfombeni batfola ingubo.

Bangakhi bantfwana labalapho? \_\_\_\_\_

| Linganisa                                                 | Bala | Catsanisa |
|-----------------------------------------------------------|------|-----------|
|                                                           |      |           |
| Bangakhi 😊 bafana? _____ Mangakhi 😊 emantfombatana? _____ |      |           |

Lusaku

Lusaku

## Ngumalini lebambhadlalako?



Gwazi

utsenga ti-2



Ubhadala

R

Make Chaane

utsenga si-5



Ubhadala

R

Baka-Thembi Stores



batsenga ema-20

Nikela nyalo!

R50 ingubo

yi-1



Babhadala

R

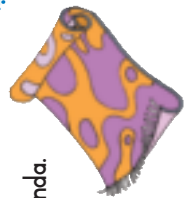
|   |                    |    |                    |
|---|--------------------|----|--------------------|
| 5 | ngema-R50 = R250   | 10 | ngema-R50 = R500   |
| 4 | ngema-R50 = R_____ | 15 | ngema-R50 = R_____ |
| 3 | ngema-R50 = R_____ | 6  | ngema-R50 = R_____ |
| 7 | ngema-R50 = R_____ | 12 | ngema-R50 = R_____ |
| 8 | ngema-R50 = R_____ | 9  | ngema-R50 = R_____ |

## Kutawutsatsa sikhatsi lesingakanani? Sebentisa ikhalenda.

Likilasi leLibanga 3 ligcogca imali yekutsenga tingubo leti-4.

Bagcogca R5 ngelilanga ngemalanga lasi-5 ngeliviki.

Badzinga mangakhi emaviki kukaleka imali yaletingubo?



Teacher:

Sign:

Date:

57

Lusku:

## Emafrakishini: bohafu nemkota



Yaba emabhola ngekulingana emkhatsini wemabhokisi

|                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>Mangakhi emabhola ebhokisini linye? <input type="text"/></li> <li>Mangakhi emabhola ebhokisini lelisamsobo? <input type="text"/></li> <li>Ngubani ifrakishini yemabhola lesebhokisini lelisamsobo? <input type="text"/></li> </ul> | <ul style="list-style-type: none"> <li>Mangakhi emabhola ebhokisini linye? <input type="text"/></li> <li>Mangakhi emabhola ebhokisini lelisamsobo? <input type="text"/></li> <li>Ngubani ifrakishini yemabhola lesebhokisini lelisamsobo? <input type="text"/></li> </ul> |



Buka letit fombe bese uphendvula imibuto.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Tingakhi tindilinga longatibala? <input type="text"/><br>Ngubani $\frac{1}{2}$ yetindilinga? <input type="text"/><br>Tingakhi tindilinga longatibala? <input type="text"/><br>Ngubani $\frac{1}{4}$ yetindilinga? <input type="text"/><br>Tingakhi tindilinga longatibala? <input type="text"/><br>Ngubani $\frac{1}{4}$ yetindilinga? <input type="text"/><br>Tingakhi tindilinga longatibala? <input type="text"/><br>Ngubani $\frac{1}{4}$ yetindilinga? <input type="text"/> |  |

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20



|  |                                             |                      |                      |
|--|---------------------------------------------|----------------------|----------------------|
|  | Faka umbala ku $\frac{1}{2}$ waloyo bunjwa. | <input type="text"/> | <input type="text"/> |
|  | Faka umbala ku $\frac{1}{4}$ waloyo bunjwa. | <input type="text"/> | <input type="text"/> |
|  | Faka umbala ku $\frac{2}{4}$ waloyo bunjwa. | <input type="text"/> | <input type="text"/> |
|  | Faka umbala ku $\frac{3}{4}$ waloyo bunjwa. | <input type="text"/> | <input type="text"/> |

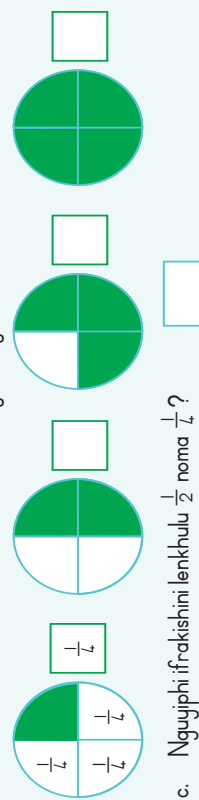


## Buka lelibhinde frakishini



- Bangakhi bohafu ( $\frac{1}{2}$ ) labakha kunye lokugcwele?
- Mangakhi emakota ( $\frac{1}{4}$ ) lakha kunye lokugcwele?
- Mangakhi emakota ( $\frac{1}{4}$ ) lakha ihhafu?

- Buka lemidwwebo bese ubhala ifrakishini yencenye lefakwe umbala.

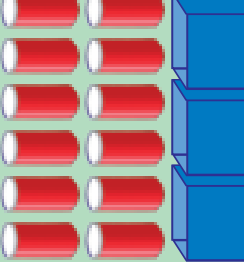


- Nguyiphi ifrakishini lenkhulu  $\frac{1}{2}$  noma  $\frac{1}{4}$ ?

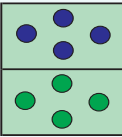
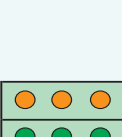
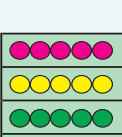


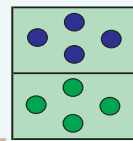
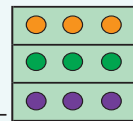
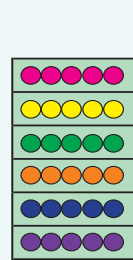
## Emafrakishini: boh hafu, boncenyentsatfu naboncenyisitfupha

Yaba tikotela (emasilinda) ngalokulingandako emabhokisini.

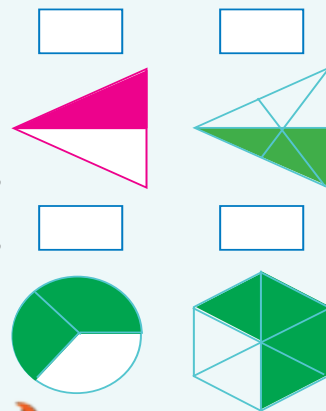
|                                                                                                                                                                                  |                                                                                     |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                               |  |  |
|                                                                                               |  |  |
| It'hot'hali yetikolela:<br>• Tingakhi tikotela ebhokini lelisamsobo? <b>12</b><br>• It'ini ifrakshini yaletisebhokisini lelisamsobo? <b>6</b><br><b><math>\frac{1}{2}</math></b> | <input type="text"/><br><input type="text"/><br><input type="text"/>                | <input type="text"/><br><input type="text"/><br><input type="text"/>                |

Buka letit'fombe bese uphendvula imibuto.

|                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                     |                                                                                                                                                                                                                                                  |
| Tingakhi tindlinga longatibala? <input type="text"/><br>Ngubani i $\frac{1}{2}$ yetindlinga? <input type="text"/><br>Ngubani i $\frac{1}{3}$ yetindlinga? <input type="text"/><br>Ngubani i $\frac{2}{3}$ yetindlinga? <input type="text"/><br>Ngubani i $\frac{1}{6}$ yetindlinga? <input type="text"/><br>Ngubani i $\frac{5}{6}$ yetindlinga? <input type="text"/> | <input type="text"/><br>Ngubani i $\frac{1}{3}$ wetindlinga? <input type="text"/><br>Ngubani i $\frac{2}{3}$ wetindlinga? <input type="text"/><br>Ngubani i $\frac{1}{6}$ wetindlinga? <input type="text"/><br>Ngubani i $\frac{5}{6}$ wetindlinga? <input type="text"/> | <input type="text"/><br>Ngubani i $\frac{1}{6}$ wetindlinga? <input type="text"/><br>Ngubani i $\frac{2}{6}$ wetindlinga? <input type="text"/><br>Ngubani i $\frac{3}{6}$ wetindlinga? <input type="text"/><br>Ngubani i $\frac{4}{6}$ wetindlinga? <input type="text"/><br>Ngubani i $\frac{5}{6}$ wetindlinga? <input type="text"/> |



Bhala ifrakshini yencenye lefakwe umbala.

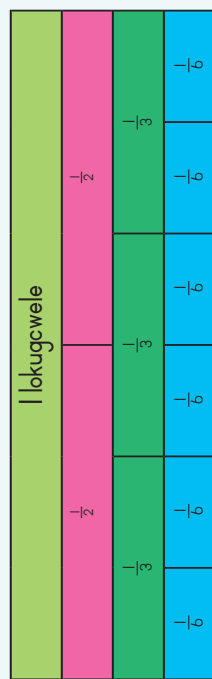


Kipilitela ifrakshini lenkhulu.

- a.  $\frac{1}{2}$   $\frac{1}{3}$   
 b.  $\frac{1}{2}$   $\frac{1}{6}$   
 c.  $\frac{1}{2}$   $\frac{2}{6}$



Buka lamabhande -fracishini. Cedzela lemisho.



- Kunemahhafu la \_\_\_\_ kulokugcwele.
- Kundaku \_\_\_\_ kwelokutsatfu kulokugcwele.
- Kundaku \_\_\_\_ kwelokusit'fupha kulokugcwele.
- Kundaku \_\_\_\_ kwelokusit'fupha ehafini.
- Kundaku \_\_\_\_ kwelokusit'fupha kulokutsatfu.



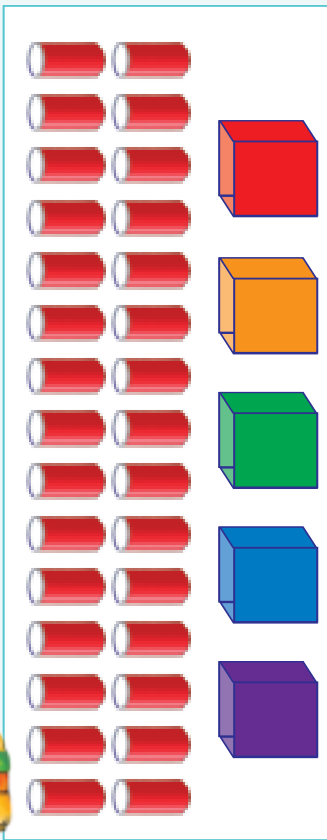
Teacher: \_\_\_\_\_  
 Sign: \_\_\_\_\_  
 Date: \_\_\_\_\_



Lusuku:

## Emafrakishini: boncenyehlanu

Yaba tikotela emabhokisini.



- Ku-  $\frac{1}{5}$  emabhokisi kunetikotela letingu
- Ku-  $\frac{2}{5}$  emabhokisi kunetikotela letingu
- Ku-  $\frac{3}{5}$  emabhokisi kunetikotela letingu
- Ku-  $\frac{4}{5}$  emabhokisi kunetikotela letingu
- Ku-  $\frac{5}{5}$  emabhokisi kunetikotela letingu



Buka titfombe bese uphendvula imibuto.

Mangaki emashokoleli ebhokisini? 

- incenye-sihlanu wemashokoleli ulingana na
- tincenye-sihlanu timbili wemashokoleli ulingana na
- tincenye-sihlanu tintsatfu wemashokoleli ulingana na
- tincenye-sihlanu tine wemashokoleli ulingana na
- tincenye-sihlanu letishlanu wemashokoleli ulingana na
- Ngalelinye lilanga ngadla  $\frac{1}{5}$  wemashokoleli. Kusele mangaki emashokoleli?
- Ngalelinye lilanga ngaphindze ngadla i-  $\frac{1}{5}$ . Kusele mangaki emashokoleli?

Faka umbala ku-  $\frac{1}{5}$  welithuluzi lekukala.

a.



Buka lamabhande fraqishini bese uphendvula imibuto.

| I lokugcwele  |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ |
| $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ |
| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |
| $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ |
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |

## Kipilitela lokukhulu noma lokuncane

- $\frac{1}{2}$  (mukhulu) / muncane kuna  $\frac{1}{4}$ .
- $\frac{1}{3}$  mukhulu / muncane kuna  $\frac{1}{2}$ .
- $\frac{1}{5}$  mukhulu / muncane kuna  $\frac{1}{6}$ .
- $\frac{1}{6}$  mukhulu / muncane kuna  $\frac{1}{3}$ .
- $\frac{3}{6}$  mukhulu / muncane kuna  $\frac{2}{5}$ .



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



Lusaku: .....

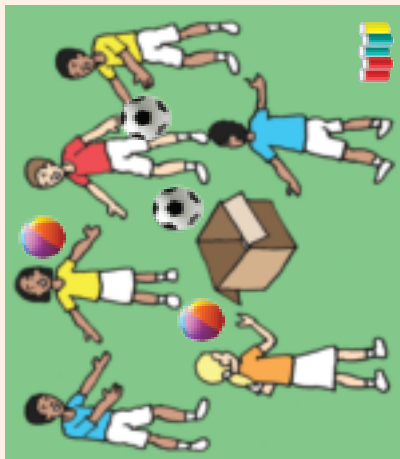
## Tintfo letibusontsatfu (i3D)



Bala emabhokisi (emaprizimu).

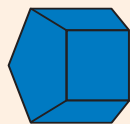
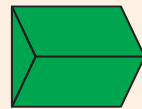
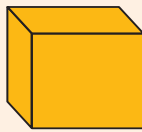
Bala emabhola (tjyingiliti).

Bala emasilinda.

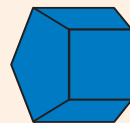
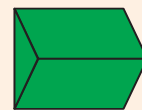
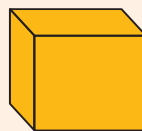


Loku konkhe ngemabhokisi.

Sebentisa Lokusikiwe lishadi 3 na 4 kwakha loku.



Yonkhe indzawo lesicabati kutswa buso. Namatselisa mandzamazda munye ebusweni ngabunye kulamabhokisi. Bungakhi buso lonamatselise kubo:



ikhyubhu

iphrizimu

iphrizimu

Buso bemaprizimu bulucabati noma buyindilinga?

Nyalo - ke yakha umbhoshongo lokuLokusikiwe lishadi 4.

Buso besilinda bulucabati noma buyindilinga?



Sebentisa tintfo takho kwakha loku lokulandzelako.

Sebentisa emagama kuchaza simondzawo sesilinda.

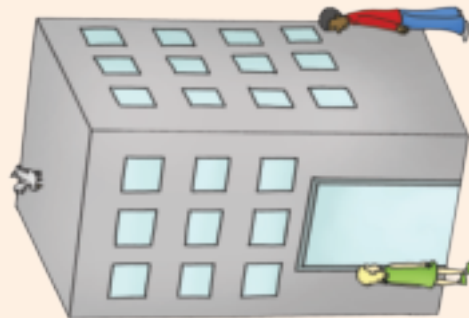
ngaseluhlangotsini

ngembali

ngetulu



Sebentisa emagama langentasi kucedzela lemisho



Intfombatana ibuke \_\_\_\_\_ kwesakhiwo.

Indvodza ibuke \_\_\_\_\_ kwesakhiwo.

Inyoni ibuke \_\_\_\_\_ kwesakhiwo

eceleni

ngetulu

ngembali



Teacher:   
Sign:   
Date:

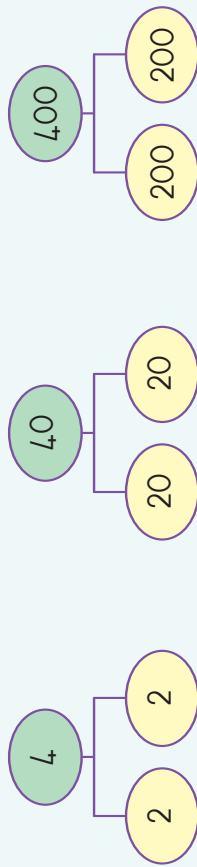


61

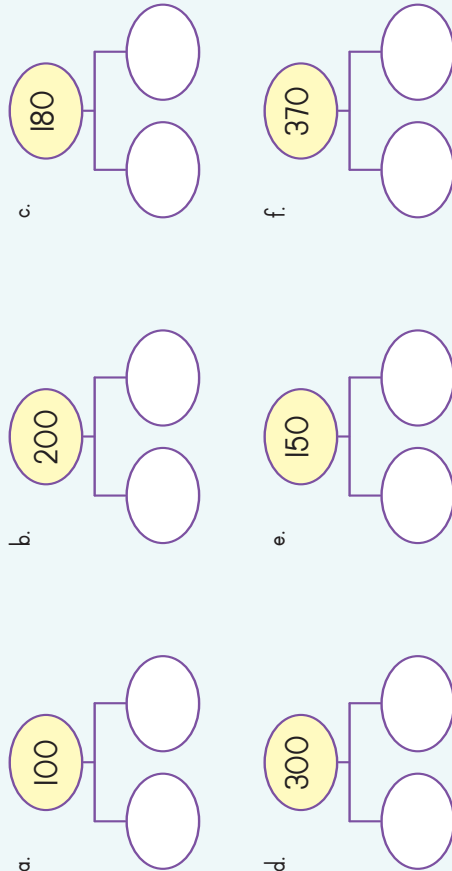
## Kuphindza nehafu

|              |                         |                            |
|--------------|-------------------------|----------------------------|
| Usakhumbula? | ku-2 uyijhafu ye-4      | ku-4 kuphindwwe ku-2       |
|              | ema-20 uyijhafu ye-40   | ema-40 kuphindwwe ema-20   |
|              | ema-200 uyijhafu ye-400 | ema-400 kuphindwwe ema-200 |

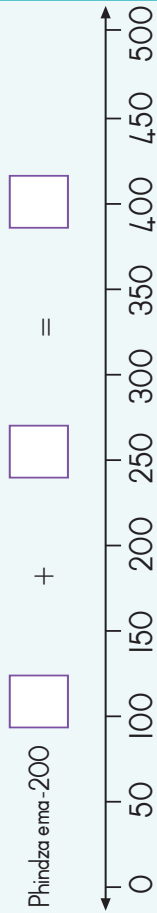
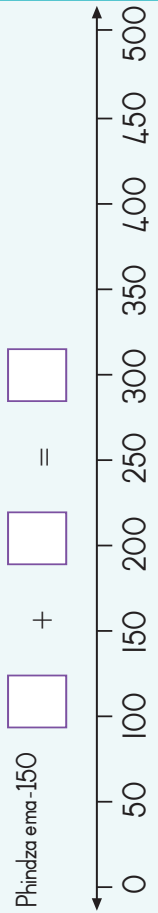
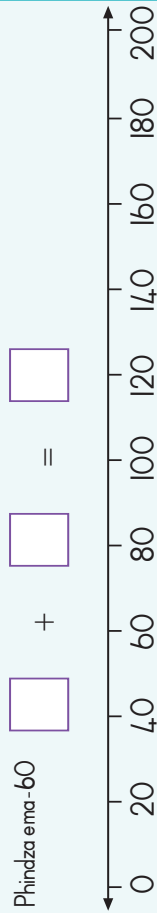
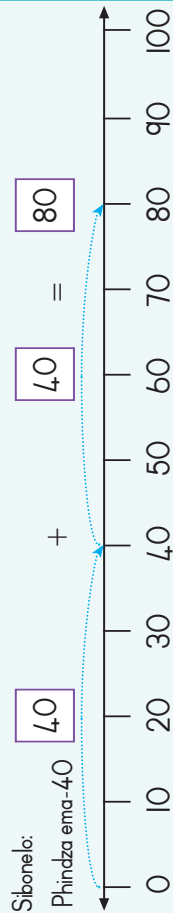
Khumbula! Singakukhombisa loku ngekudwweba umdvwebo ...



## Kutfola bohafu



Phindza letinombolo usebentisa umugoa nombolo. Sibonelo sekudala wentelwe.



## Cedzela loku lokulandzelako

|                |     |
|----------------|-----|
| a. Phindza 100 | 200 |
| b. Phindza 150 |     |
| c. Phindza 120 |     |
| d. Phindza 200 |     |
| e. Phindza 170 |     |



## Cedzela loku lokulandzelako

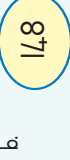
|                |     |
|----------------|-----|
| a. Hhafula 220 | 110 |
| b. Hhafula 180 |     |
| c. Hhafula 260 |     |
| d. Hhafula 60  |     |
| e. Hhafula 320 |     |

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

## Kuphindza kabili nehhafu kuyachubeka

Tfola lokuphindwe kabili nobe emdhhafu

a. 

b. 

c. 

d. 

e. 

f. 

## Kongela libhayisikili.

Peter wonga ema-R25 ngeliviki kutsenga libhayisikili.  
Kumele onge emaviki lamangakhi?

Imphendulo:  Emaviki

## Endalini

Tonkhe letintfo tutsengiswa ngehafu yentsengo.  
Bhala lentsengo eceleni kwentfo ngayinye.

a.  Tingubo R190  
Intsengo yekutsengisa \_\_\_\_\_

b.  Emashidi R154  
Intsengo yekutsengisa \_\_\_\_\_

c.  Imicamelo R54  
Intsengo yekutsengisa \_\_\_\_\_

d.  Titulo R220  
Intsengo yekutsengisa \_\_\_\_\_

Indali R450  
Intsengo lehhafu liwe:  
beyingu R900



## Mangakhi emarandi?

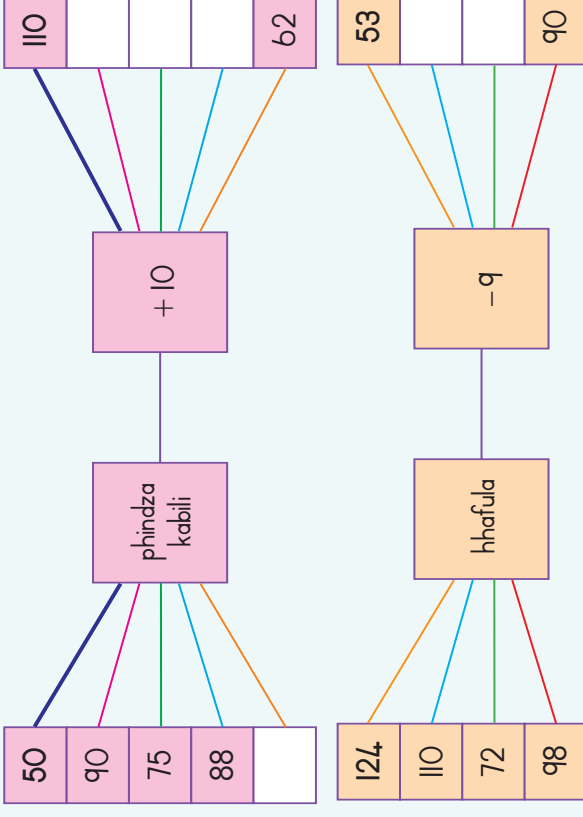
 R135 Musa ufuna lelihembe. Unehhafu kuphela yelinani.  
Usadzinga malini? R \_\_\_\_\_

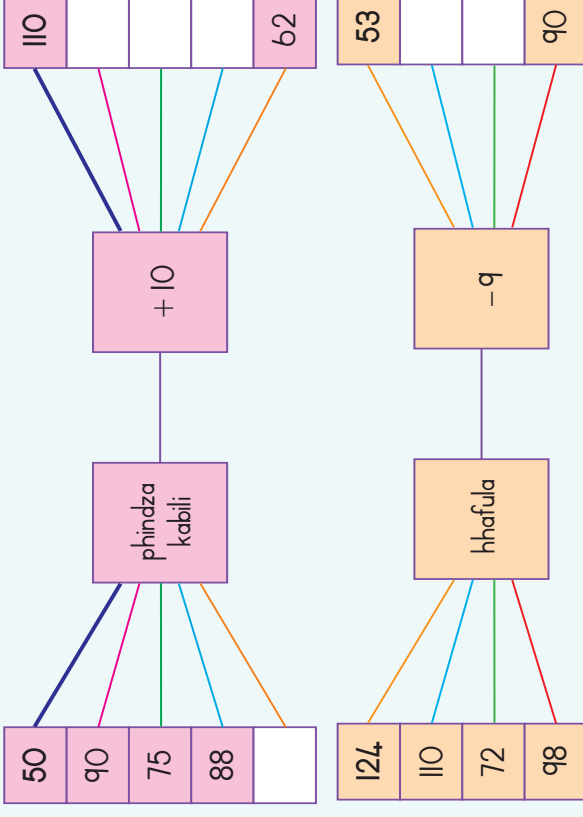
 R78.50 Ticatfulo taPeter tibita lokuphindwe kabili kwendlulela.  
Ngabe ticatfulo taPeter tibita malini? R \_\_\_\_\_

 R97 Liloko laPhindi liphindza kabili intsengo yaleli.  
Ngabe ilokwe laPhindi libita malini? R \_\_\_\_\_

## Yini lengenako? Yini lephumako?

Landzela lesibonelo. Gcwalisa tinombolo letingekho.

a. 

b. 





## Butsisa bese uyahlanganisa

### Beka ndzawonye labantfwana

Nikhs Ndaba ufuna kwehlukana lilelasi ngemacambu ebukhulu labulingandko kutewudlala ngaphandle. Kwekucala ubbeka ngemacambu alaba - 4.



a. Bangakhi labantfwana?

b. Nikhs Ndaba wakhe mangakhi emacambu?

c. Tjengisa tonkhe letinye tindlela tekubabutsanisa ngemacambu lalingandko.

Buka. Catsanisa.  
Lungisa.

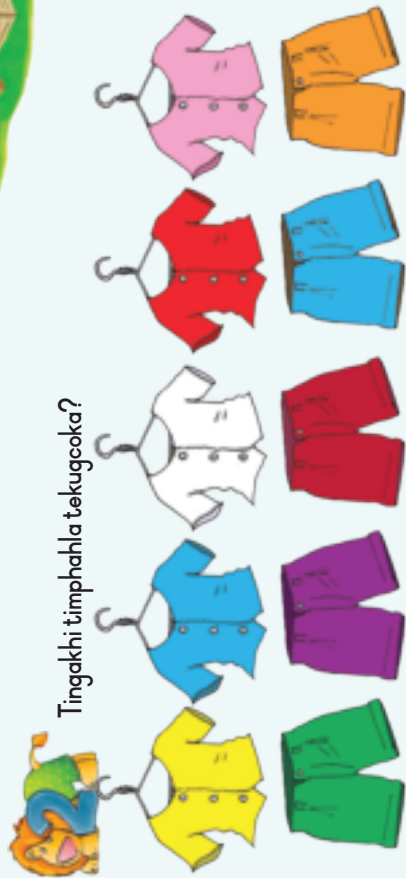
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## Tingakhi timphahla tekugcoka?



Phindi unemahembe lasi - 5 emibala kanye nemabhulukwana lasi - 5 emibala.

Tingakhi timphahla tekugcoka letehlukene langatenta ngekusebentisa tinhlanganisela letehlukene temibala?

Sibonelo: Lihembe lelilingangane/emabhulukwana lalingangane. Lihembe lelilingangane/emabhulukwana laliphuti.

Bhala luhlavu lwekucala lwemibala ngamunye. Khombisa tonkhe timphahla letingaba khona.

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Cagela: Yini letawenteka uma ngabe Phindi anemahembe kanye nemabhulukwana lasi - 6 emibala leyehlukene?

Angenta timphahla tekugcoka letingakhi?

Buka. Catsanisa.  
Lungisa.



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



Lesedi

64

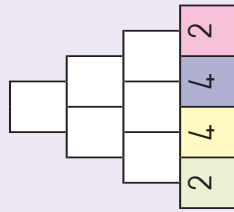
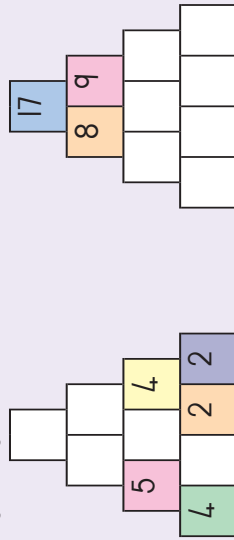
## Kutjabulisa ngetibalo



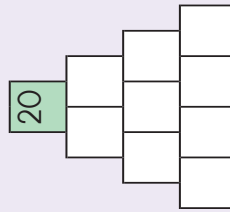
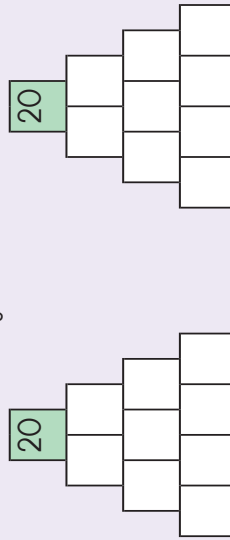
Tfolo umtsetfo

Sebentisa lomtsetfo kutfola tinombolo letingekho.

Nyalo-ke yenta loku.



Yakha ufike kuma-20 ngetindlela letintsatfu.



Insayeya

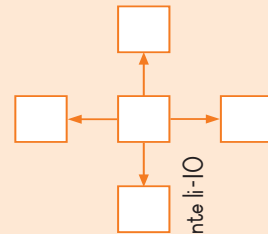
Ase uabange!



Sebentisa letinombolo 1, 2, 3, 4 na 5.

Letinombolo letintsatfu eluhluni lunye kumele tente li-10 setitokhe.

Umtsetfo: Sebentisa inombolo yinye kanye.



Kutfola tinombolo

a. Umtsetfo: Tinombolo eluhluni ngalunye kumele tihlangane takhe li-16.

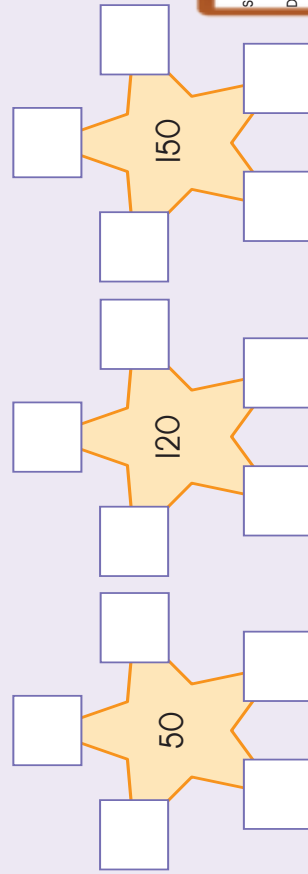
|   |   |   |   |
|---|---|---|---|
| 2 | 5 | 3 | 6 |
|   |   |   | 2 |
|   |   | 2 |   |

b. Umtsetfo: Tinombolo leti-3 kuvundla nekuqaphasi, tihlangana tente ithot-hali lefanako.

|   |   |   |
|---|---|---|
| 2 | 7 | 6 |
| 9 |   | 1 |
|   | 3 | 8 |

|    |    |    |
|----|----|----|
| 23 | 28 | 21 |
| 12 |    | 26 |
|    |    | 10 |

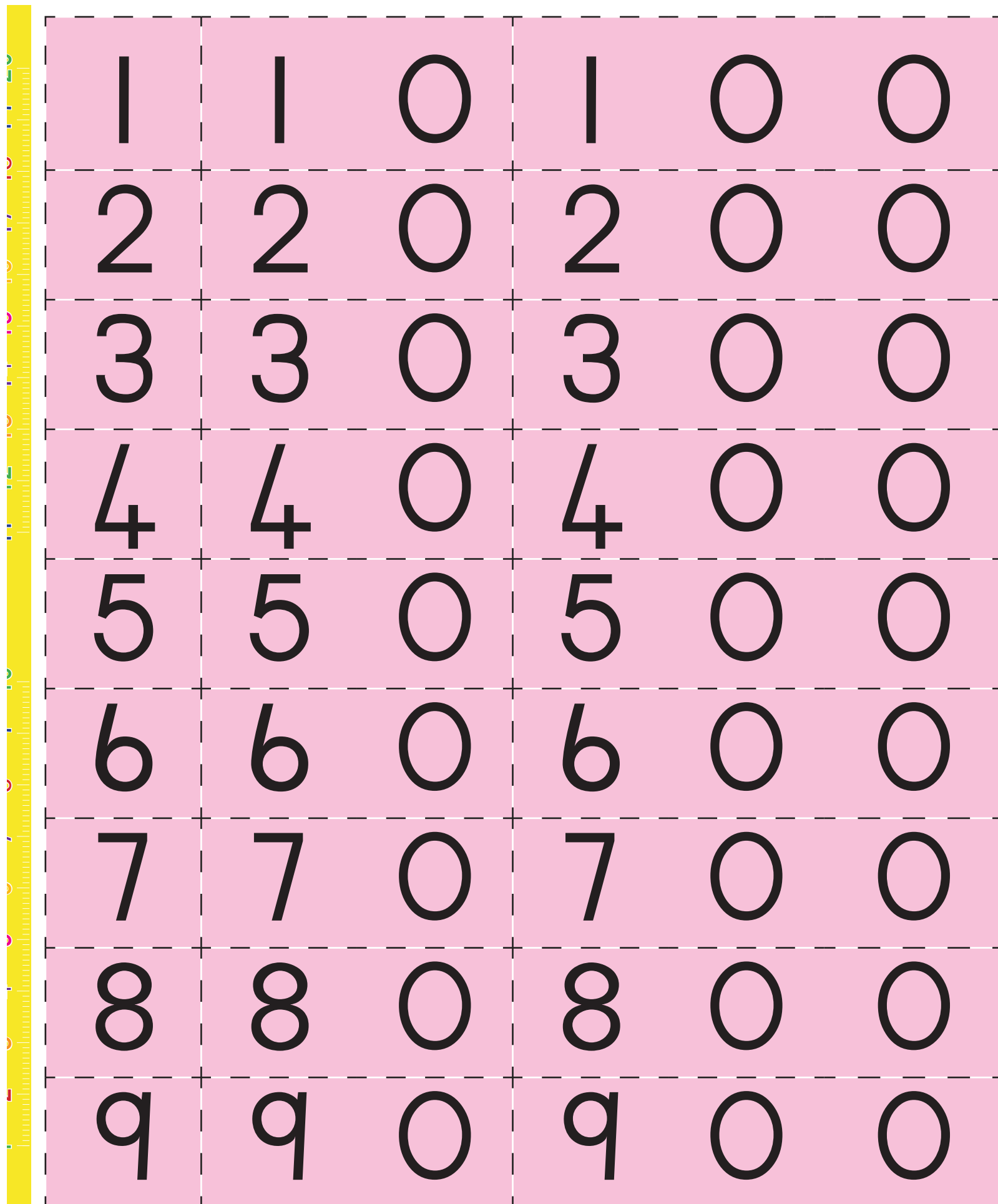
c. Umtsetfo: Bhala noma ngutiphi tinombolo leti-5 leihlangana takhe inombolo lengekhatshi kwenkhanjethi.



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

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20



|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1 | 0 | 0 | 1 | 0 | 1 |
| 2 | 0 | 0 | 2 | 0 | 2 |
| 3 | 0 | 0 | 3 | 0 | 3 |
| 4 | 0 | 0 | 4 | 0 | 4 |
| 5 | 0 | 0 | 5 | 0 | 5 |
| 6 | 0 | 0 | 6 | 0 | 6 |
| 7 | 0 | 0 | 7 | 0 | 7 |
| 8 | 0 | 0 | 8 | 0 | 8 |
| 9 | 0 | 0 | 9 | 0 | 9 |







