Bala Wande
Calculating with Confidence

3

Ikota 2 ⋮ Term 2

# IMathematika
## Mathematics

## INcwadi Yomfundi Yemisebenzi
Learner Activity Book

IsiXhosa ⋮ English

**Le ncwadi sisiqhamo sentsebenziswano phakathi kweqela elibizwa ngokuba yi*Bala Wande–Magic Classroom Collective team* kunye neqela lokuqinisekisa elenziwe ngabantu-ngabantu abakwiiyunivesithi eziliqela ezahlukeneyo, imibutho engalawulwa ngurhulumente (NGOs) esebenza ngemathematika kwakunye neSebe leMfundo esiSiseko. Ezi zixhobo zokufunda zithathela kwiincwadi zemisebenzi eziqulunqwe liSebe leMfundo esiSiseko nakuphindaphindo lwezicwangciso zezifundo (GPLMS, Jika iMfundo, NECT neTMU). Iibhokisi zezixhobo zokusebenza ngobuchule zeBala Wande zayilwa ngokucebisana nabakwaJade Education. Ezi bhokisi zinezixhobo zodidi oluphezulu eziyinxalenye ebalulekileyo yenkqubo yokufundisa nokufunda.**

The development of this workbook was carried out by the collaborative *Bala Wande–Magic Classroom Collective team* in consultation with a reference team made up of individuals from several universities, mathematics NGOs and the Department of Basic Education. These materials draw on the DBE workbooks and existing iterations of lesson plans (GPLMS, Jika iMfundo, NECT and TMU). The Bala Wande manipulative boxes were designed in consultation with Jade Education. The boxes provide high quality materials which are an integral part of the teaching and learning programme.

Artists: Mary-Anne Hampton, Angie Bowring and Lexi Meier
Photos on page 88: Briangeorge1945 (round tile); Gerd Eichmann (garden)

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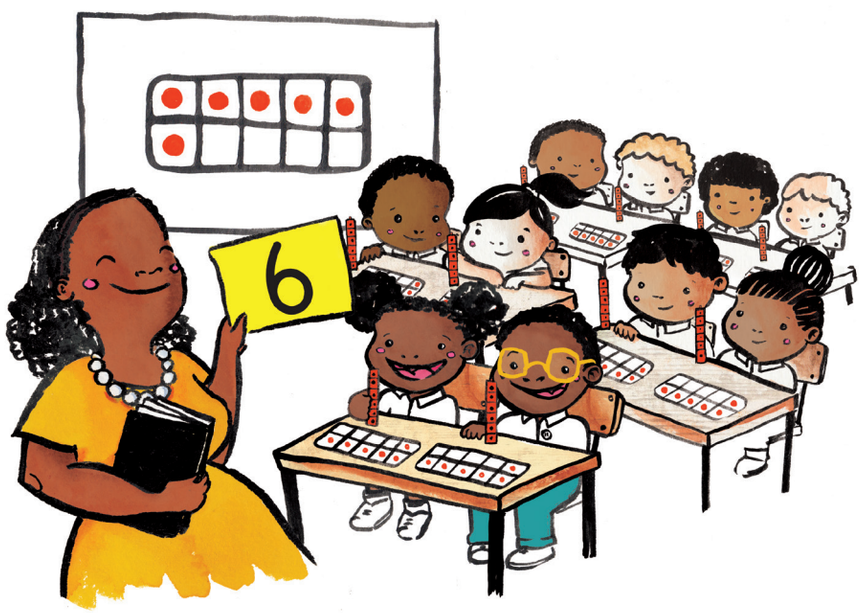


## Ukusebenzisa incwadi yemisebenzi yabafundi yeBala Wande

Le ncwadi yemisebenzi yabafundi inemisebenzi elungiselelwe iintsuku ezingama-50 zokufundisa kwikota yesi-2. Kukho imisebenzi yophuhliso lwengqiqo, imisebenzi yomfundi ngamnye kwakunye nemidlalo apho abafundi baya kudlala ngababini okanye ngokwamaqela. Iimpendulo zale misebenzi zingabhalwa kwakule ncwadi.

Imisebenzi ekule ncwadi ibhalwe ngeelwimi ezimbini. Siyathemba ukuba ukusebenzisa iilwimi ezimbini kuya kubanceda abafundi bafunde baze bawaqhele amagama emathematika ngolwimi lwabo lwasekhaya nangesiNgesi. Ukwenza njalo kuya kubaxhobisa bakulungele ukufunda imathematika ubomi babo bonke.

Ukuba abafundi bathi gqolo ukwenza imisebenzi yabo yonke imihla ngazo zonke iikota, baya kuyigqiba yonke ikharityhulam yemathematika yonyaka. Siyathemba ukuba le misebenzi ilapha iya kuba yindlela enoyolo yokubanceda ekufumaneni ulwazi lwemathematika olusisiseko.

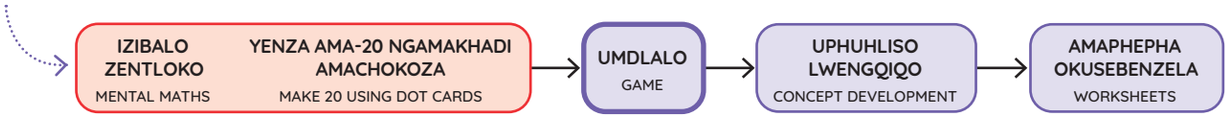
Ukuqala kosuku ngalunye olutsha kuboniswe ngebhanile emfusa.

IVEKI • WEEK 1

**USUKU 1 • DAY 1**

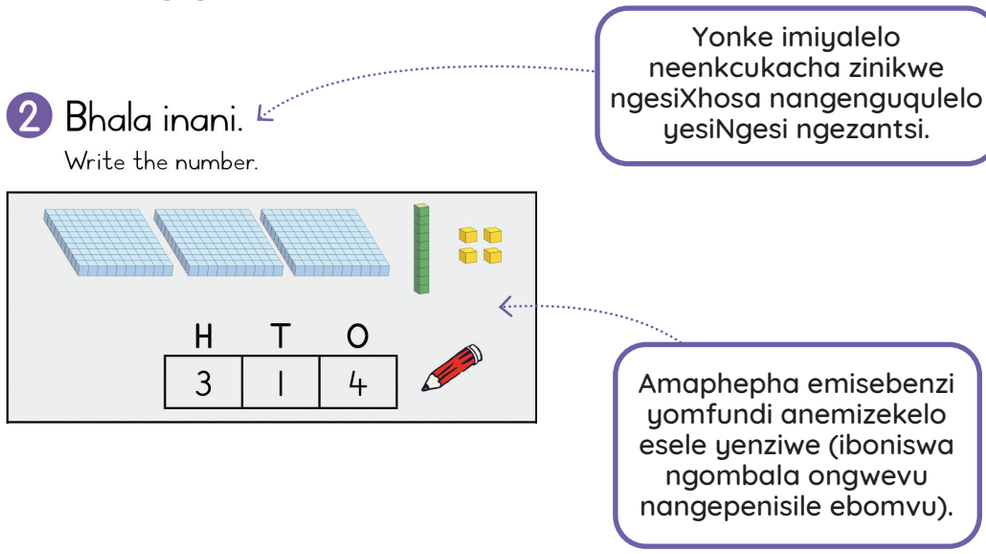
## Amanani ukuya kwi-100
Numbers up to 100

Ngezantsi kwebhanile kukho iflowutshathi eshwankathela ukulandelelana kwemisebenzi yolo suku.




Izibalo zentloko ziya kuba ngumsebenzi wokuqala yonke imihla. Lo msebenzi uya kukhokelwa ngutitshala.

Onke amanye amaphepha asencwadini alungiselelwe abafundi ukuba basebenzele kuwo ngokunokwabo okanye ngokwamaqela kodwa bekhokelwa kwaye bencediswa ngutitshala. La maphepha ingangamaphepha okusebenzela okanye imidlalo eyenzelwe ukubethelela isigama esifundiswe ngolo suku. Imidlalo iboniswe ngokusebenzisa iikhathuni okanye oopopayi ukubonisa indlela omawudlalwe ngayo umdlalo.




Usuku lwesi-5 lweveki nganye lulungiselelwe uqukaniso novavanyo.



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# Using the Bala Wande Learner Activity Book

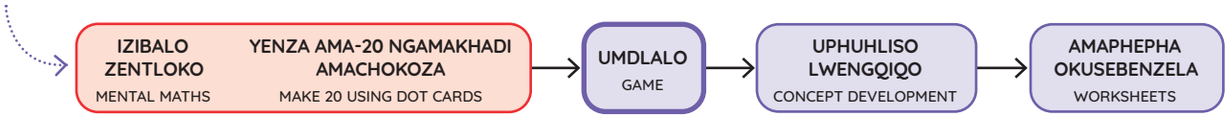
This *Learner Activity Book* has activities planned for 50 days of teaching in Term 2. There are concept development activities, individual learner activities and games for learners to play in pairs and groups. Answers to the activities can be written in this book.

The material is presented using a bilingual format. We hope that presenting the activities in two languages will help learners to become familiar with maths words in both their home language and in English. This will equip them for lifelong learning of maths.

If learners work systematically through these workbook-style activities every day and every term, they will cover the whole maths curriculum for the year. We hope that these activities will be a fun way to help them acquire foundational maths knowledge.

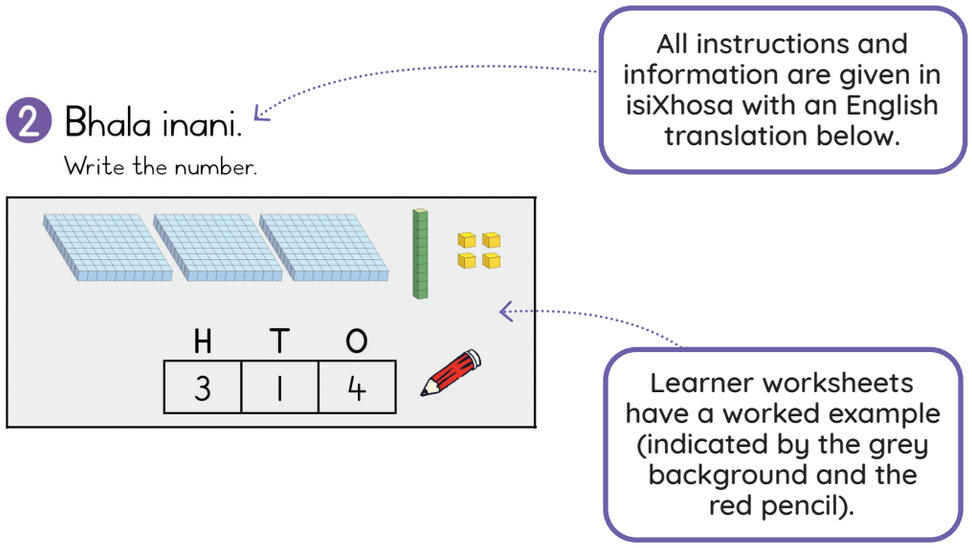
The start of each new day is shown with a purple banner.

Underneath the banner is a flow diagram that summarises the sequence of activities for the day.




Mental Maths is the first activity every day. The teacher will lead this activity.

All the other pages in the book are for learners to work on independently or in groups with guidance and support from the teacher. They may be worksheets or games, for consolidation of the concepts covered that day. Games are presented using cartoons of learners to show how the game should be played.




Day 5 of each week is planned for consolidation and assessment.



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IVEKI • WEEK 1

**USUKU 1 • DAY 1**

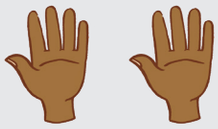
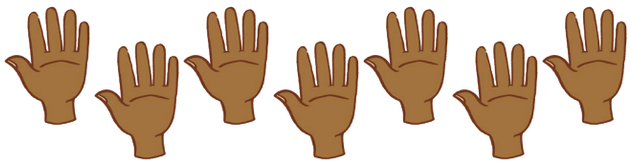
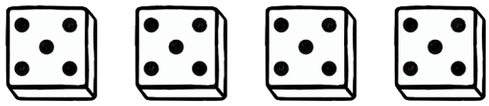
# Iitheyibhile zophindaphindo ukuya kwisi-5
Multiplication tables up to 5

IZIBALO ZENTLOKO – MENTAL MATHS: YENZA AMA-20 – MAKE 20 → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

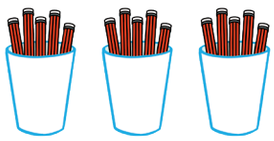
## Umdlalo: IMaths ekhawulezayo ngedayisi namakhadi – phindaphinda!
Game: Fast maths with dice and cards – multiply!

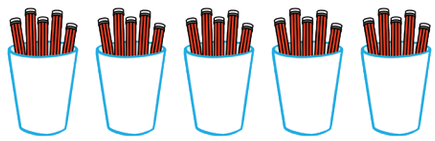
- Dlalani ngababini.
  Play in pairs.
- Veza ikhadi uze uphose idayisi.
  Turn a card and throw the dice.
- Phindaphinda!
  Multiply!

## 1 Zingaphi?
How many?

| | | |
|---|---|---|
|  | izandla<br>hands | iminwe<br>fingers |
| | 2 | 2 x 5 = 10 |
|  | izandla<br>hands | iminwe<br>fingers |
| | | |
| | iingqekembe<br>coins | yimalini?<br>how much? |
| | | |
|  | amadayisi<br>dice | amachokoza<br>dots |
| | | |

## 2 Kukho iipenisile ezi-5 eglasini. Zingaphi iipnisile kwii-
There are 5 pencils in a pot. How many pencils in:

| | | |
|---|---|---|
| glasi ezi-3<br>3 pots |  | |

| | | |
|---|---|---|
| glasi ezi-5<br>5 pots |  | |



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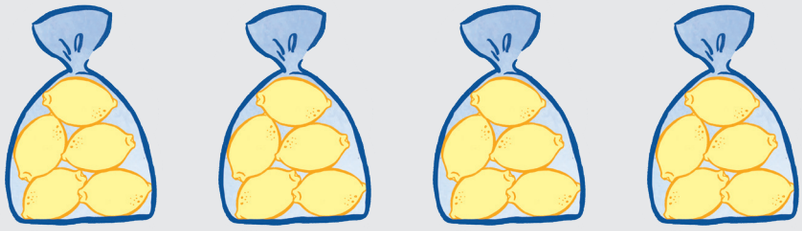
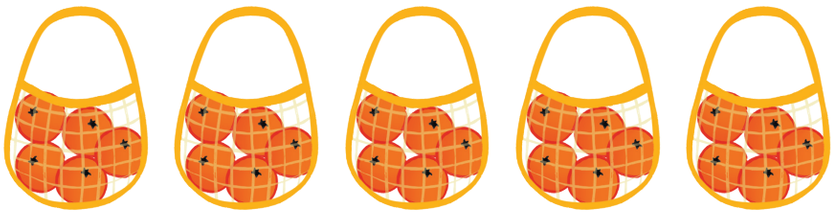
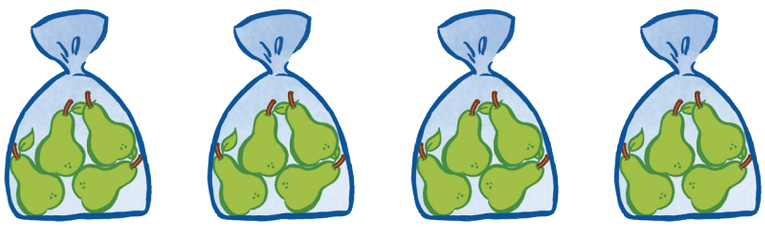
## 3 Bhala isivakalisi sokudibanisa nesophindaphindo ukuze zihambelane nomfanekiso ngamnye.

Write an addition and a multiplication sentence to match each picture.

| | |
|---|---|
| | |
| _____ | _____ |
| _____ | _____ |

## 4 Bhala isivakalisi sophindaphindo.

Write a multiplication sentence.

| | |
|---|---|
|  | 4 × 5 = 20 |
|  | ____ × ____ = ____ |
| | ____ × ____ = ____ |
|  | ____ × ____ = ____ |



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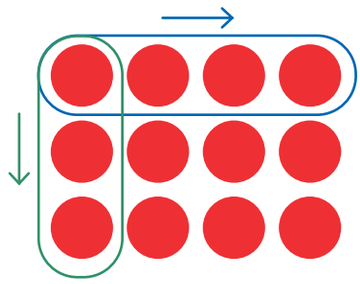
IVEKI • WEEK 1

**USUKU 2** • DAY 2

# Uphindaphindo usebenzisa imizobo yocwangcisomanani
## Multiplication using array diagrams

IZIBALO ZENTLOKO – MENTAL MATHS: YENZA AMA-20 – MAKE 20 → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

1. Bala inani lemiqolo.
   Count the number of rows.
2. Bala inani leekholamu.
   Count the number of columns.
3. Phindaphinda inani lemiqolo ngenani leekholamu.
   Multiply the number of rows by the number of columns.



| 3 | × | 4 | = | 12 |
|---|---|---|---|---|
| **imiqolo** rows | | **iikholamu** columns | | **isiphumo** product |

**Ucwangcisomanani lulungelelaniso lwezinto kwimiqolo nakwiikholamu. Ucwangcisomanani lungasetyenziswa kuphindaphindo!**

An array is an arrangement of objects in rows and columns. You can use an array to multiply!

## 1 Bhala isivakalisi sophindaphindo kucwangcisomanani ngalunye.
Write the multiplication sentence for each array.

| | |
|---|---|
| imiqolo rows | 5 |
| iikholamu columns | 3 |
| uphindaphindo multiplication | 5 × 3 = 15 |

| | |
|---|---|
| imiqolo rows | |
| iikholamu columns | |
| uphindaphindo multiplication | ___ × ___ = ___ |

| | |
|---|---|
| imiqolo rows | |
| iikholamu columns | |
| uphindaphindo multiplication | ___ × ___ = ___ |

| | |
|---|---|
| imiqolo rows | |
| iikholamu columns | |
| uphindaphindo multiplication | ___ × ___ = ___ |



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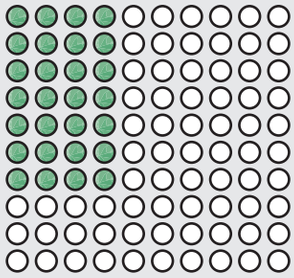
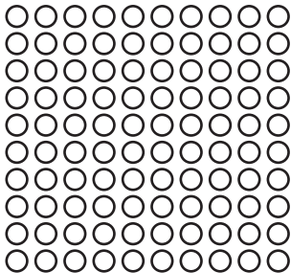
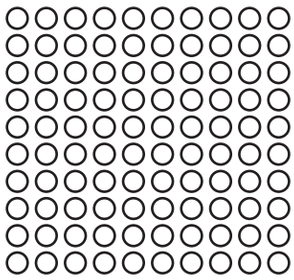
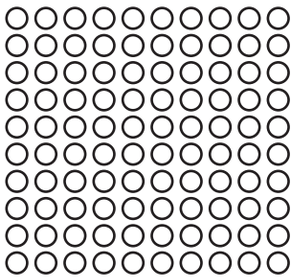
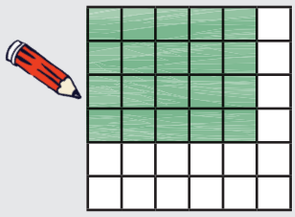
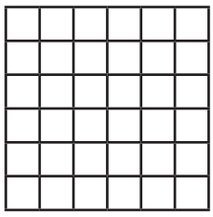
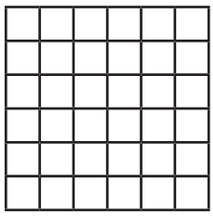
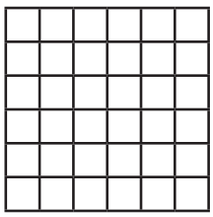
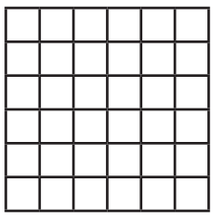
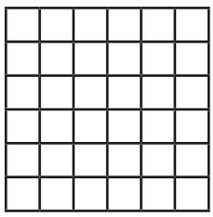
## 2 Fakela umbala kumzobo wocwangcisomanani ukuze ubonise oku:

Colour in each array to show:

| | |
|---|---|
| imiqolo esi-7 neekholamu ezi-4<br>7 rows and 4 columns<br>  <br>7 x 4 = 28 | imiqolo emi-4 neekholamu ezisi-7<br>4 rows and 7 columns<br>  <br>4 x 7 = ____ |
| imiqolo esi-8 neekholamu ezi-5<br>8 rows and 5 columns<br>  <br>8 x 5 = ____ | imiqolo emi-5 neekholamu ezisi-8<br>5 rows and 8 columns<br>  <br>5 x 8 = ____ |

## 3 Fakela umbala kucwangcisomanani.

Colour in the arrays.

| | | |
|---|---|---|
| 4 x 5<br>  | 3 x 4<br>  | 4 x 4<br>  |
| 5 x 4<br>  | 4 x 3<br>  | 5 x 5<br>  |



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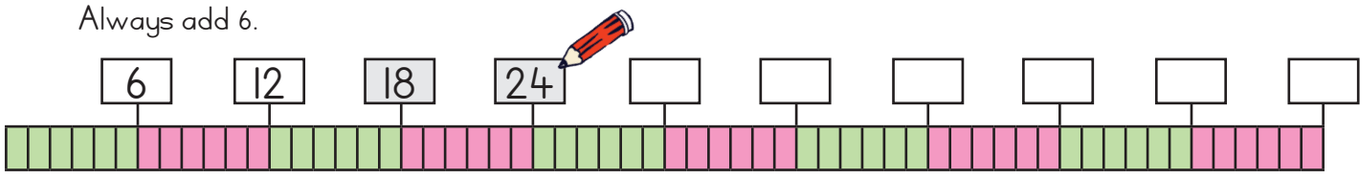
# Itheyiphile yophindaphindo lwesi-6
6 times table

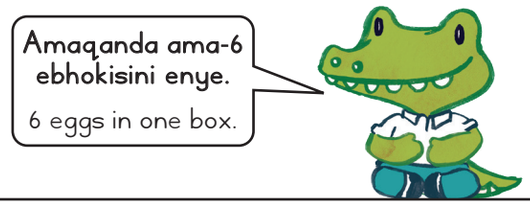
IZIBALO ZENTLOKO MENTAL MATHS: YENZA AMA-20 MAKE 20 → UMDLALO GAME → UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA WORKSHEETS

## 1 Dibanisa isi-6 rhoqo.
Always add 6.



| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| imilenze<br>legs | 6 | | | | | | | | | |

## 2 Mangaphi amaqanda ewonke? Bhala isivakalisi sophindaphindo.
How many eggs altogether?
Write a multiplication sentence.




| | |
|---|---|
| 2 × 6 = 12 | ____ × ____ = ____ |
| ____ × ____ = ____ | ____ × ____ = ____ |
| ____ × ____ = ____ | ____ × ____ = ____ |
| ____ × ____ = ____ | ____ × ____ = ____ |



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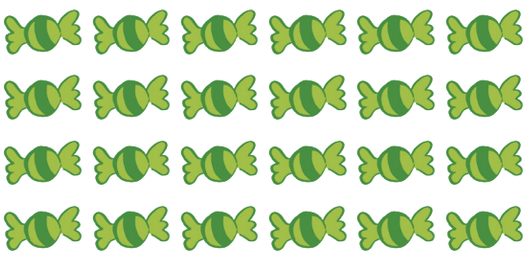
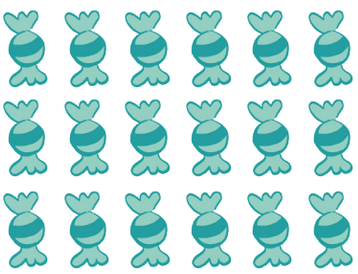
## 3 Bhala izivakalisi zophindaphindo ngocwangcisomanani ngalunye.

Write 2 multiplication sentences for each array.



____ × ____ = ____

____ × ____ = ____

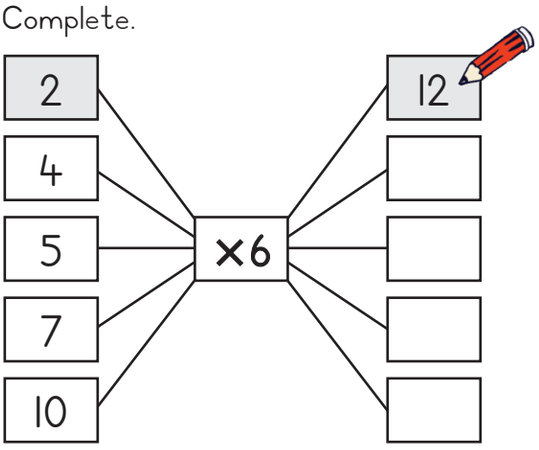


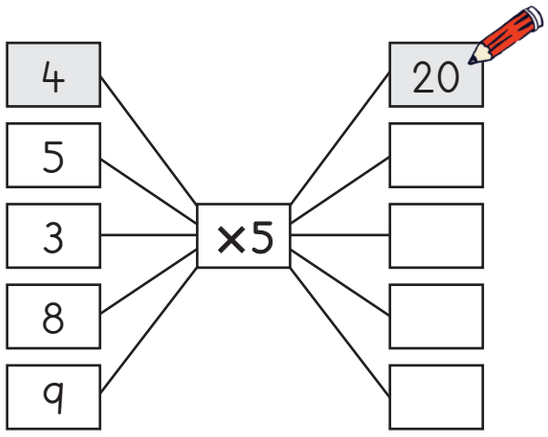
____ × ____ = ____

____ × ____ = ____

## 4 Gqibezela.

Complete.




## 5 Zixabisa malini zizonke?

How much do the items cost altogether?

R3

R6

R2

7 x R3 + 5 x R6

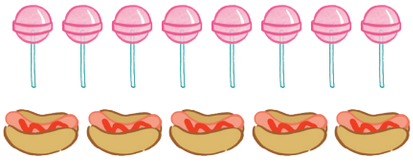
= R21 + R30

= R51

_____

_____

_____



_____

_____

_____

_____

_____

_____



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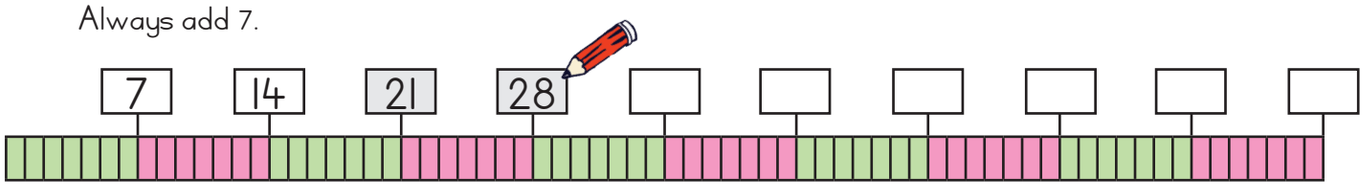
# Itheyibhile yophindaphindo lwesi-7
7 times table

IZIBALO ZENTLOKO
MENTAL MATHS
YENZA AMA-20
MAKE 20
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

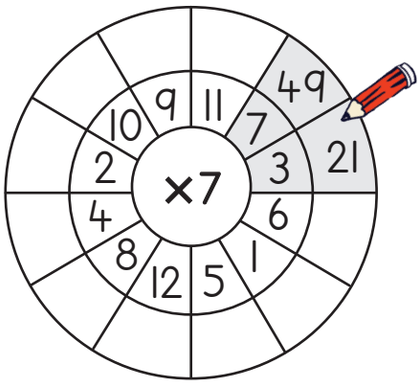
## 1 Dibanisa isi-7 rhoqo.
Always add 7.



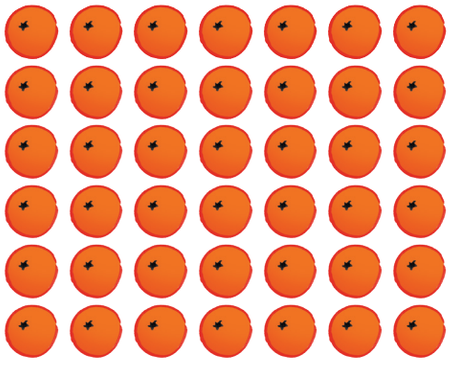

## Bala ngezi-7 uze uzalise.
Count in 7s and complete.

7 14 21 ____ ____ ____ ____ ____ ____ ____ 70 ____ ____

## 2 Phindaphinda ngezi-7.
Multiply by 7.

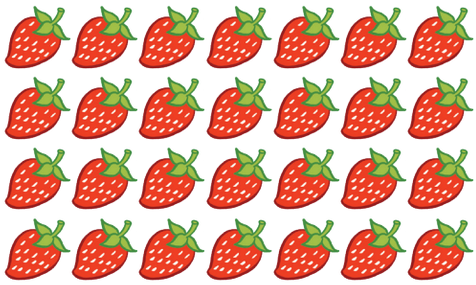



## 3 Bhala izivakalisi zophindaphindo ezi-2 ukuze zihambelane nocwangcisomanani.
Write 2 multiplication sentences to match the arrays.



____ × ____ = ____

____ × ____ = ____



____ × ____ = ____

____ × ____ = ____



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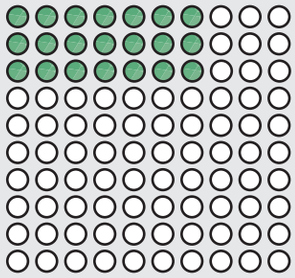
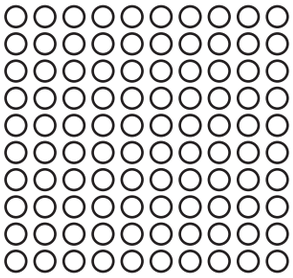
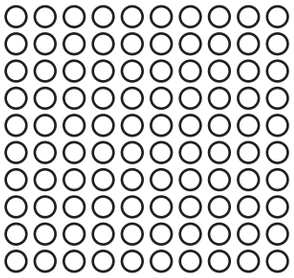
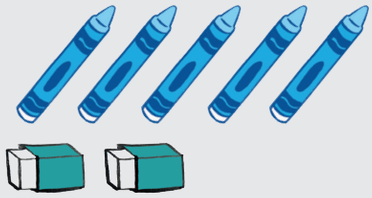
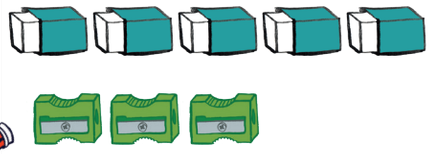
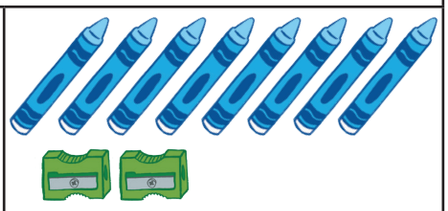
## 4 Fakela umbala kumachokoza.

Colour in the dots.

| 3 x 7 = 21 | 6 x 7 = ____ | 9 x 7 = ____ |
|---|---|---|
|  |  |  |

## 5 Zixabisa malini ezi zinto zizonke?

How much do the items cost altogether?

|  5 x R7 + 2 x R3 = R35 + R6 = R41 |  ____ ____ ____ |  ____ ____ ____ |
|---|---|---|

## 6 Phindaphinda.

Multiply.

| 3 x 6 = 18 | 5 x 6 = ____ | 4 x 7 = ____ | 5 x 7 = ____ |
|---|---|---|---|
| 6 x 6 = ____ | 7 x 6 = ____ | 3 x 7 = ____ | 2 x 7 = ____ |
| 4 x 6 = ____ | 8 x 6 = ____ | 6 x 7 = ____ | 9 x 7 = ____ |
| 2 x 6 = ____ | 9 x 6 = ____ | 8 x 7 = ____ | 7 x 7 = ____ |

## 7 Fakela umbala kumanani **angezizo** iziphumo zophindaphindo lwesi-7.

Colour the numbers that are **not** multiples of 7.

18 80 21 35 56 32 42 72 47 77



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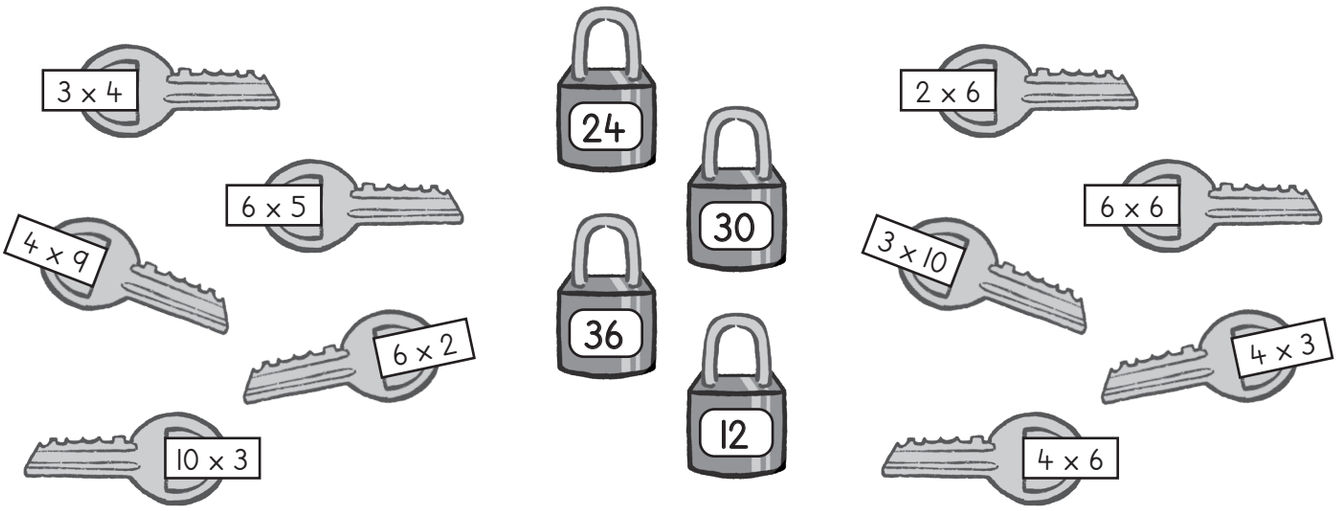
IPHEPHA LOKUSEBENZELA
WORKSHEET → IPHEPHA LOKUSEBENZELA
WORKSHEET

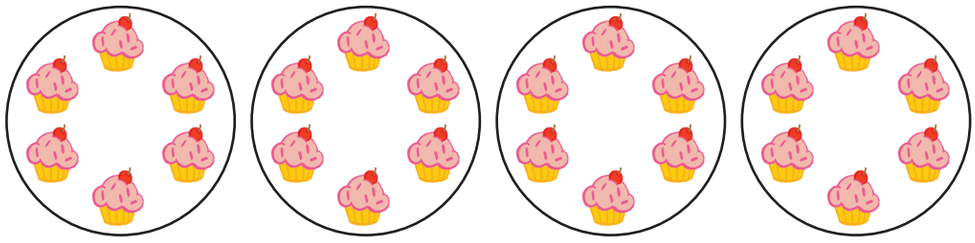
## 1 Nxulumanisa izitshixo neqhaga elichanekieyo.

Connect the keys to the correct lock.




## 2 Bhala isivakalisi manani ukuze sihambelane nomfanekiso.

Write a number sentence to match the picture.



_____

## Masithethe ngeMaths!

**Let's talk Maths!**

| NgesiXhosa sithi: | In English we say: |
|---|---|
| amaqela alinganayo | equal groups |
| iziphindwa | multiples |
| isiphumo | product |
| phindaphinda | times |
| ucwangcisomanani | array |
| phindaphinda | multiply |



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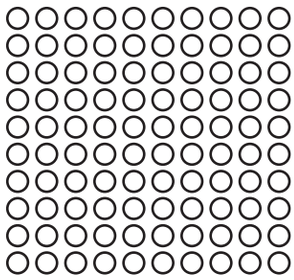
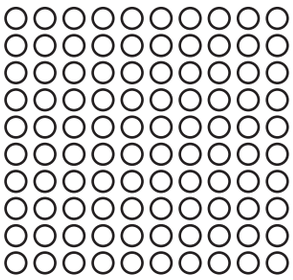
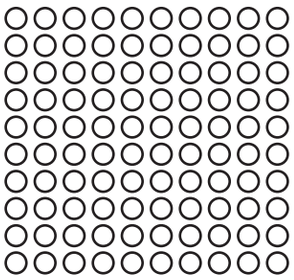
**3**

| uphindaphindo<br>multiplication | ukudibanisa okuphindiweyo<br>repeated addition | isiphumo<br>answer |
|---|---|---|
| 3 x 6 | 6 + 6 + 6 | 18 |
| 6 x 3 | | |
| 5 x 6 | | |
| 2 x 6 | | |
| 6 x 2 | | |

**4** Fakela umbala kwizicwangisomanani ukuze ubonise oku:

Colour in the arrays to show:

| 9 x 6 = ____ | 8 x 6 = ____ | 48 = 8 x ____ |
|---|---|---|
|  |  |  |

**5** Nabo uMaNojubalala noNojubalazana betsibatsiba ukuya edamini. UNojubalazana wenza imitsi emine kumtsi ngamnye owenziwa nguMaNojubalala. UMaNojubalala wenze imitsi emi-3 ukuya kufika edamini. Mingaphi eza kwenziwa nguNobulazana ukuze afike edamini?

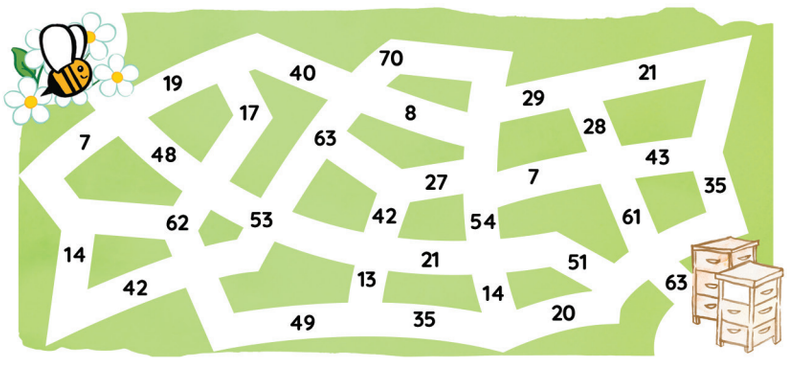
Mommy Toad and Baby Toad hopped to the pond. Baby Toad had to take four small hops for every jump that Mommy Toad took. Mommy Toad took 3 jumps to get to the pond. How many hops did Baby Toad have to take?

_____

_____

**6** Landela iziphindwa zesi-7 ukuze ubonise inyosi indlela eya endlwini yobusi.

Follow the multiples of 7 to show the bee how to get to the hive.



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IVEKI • WEEK 2

**USUKU 1 • DAY 1**

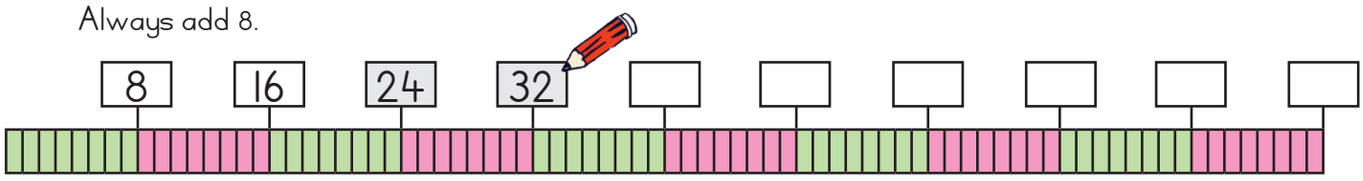
# Itheyibhile yokuphindaphinda isi-8
8 times table

IZIBALO ZENTLOKO
MENTAL MATHS
DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10
ADD AND SUBTRACT MULTIPLES OF 10
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## Umdlalo: IMaths ekhawulezayo ngedayisi namakhadi – phindaphinda!
Game: Fast maths with dice and cards – multiply!

- Dlalani ngababini.
  Play in pairs.
- Veza ikhadi uze uphose idayisi.
  Turn a card and throw the dice.
- Phindaphinda!
  Multiply!

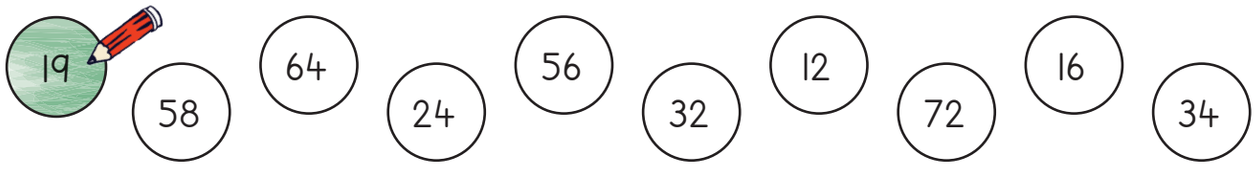
## 1 Dibanisa isi-8 rhoqo.
Always add 8.




## 2 Bala ngezi-8.
Count in 8s.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| imilenze<br>legs | 8 | 16 | | | | | | | | |

## 3 Fakela imibala kumanani **angezizo** iziphumo zetheyibhile yokuphindaphinda ngesi-8.
Colour the numbers that are **not** multiples of 8.



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## 4 Bhala izivakalisi zophindaphindo ezi-2 kucwangcisomanani ngalunye.

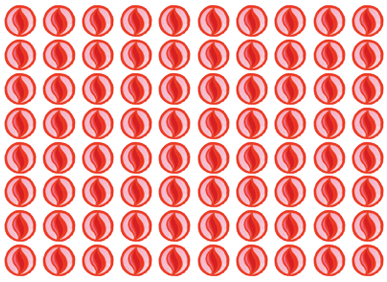
Write 2 multiplication sentences for each array.

4 x 8 = 32

8 x 4 = 32

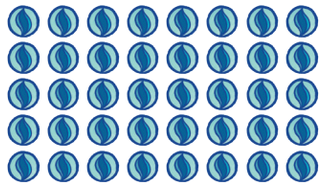
_____

_____



_____

_____



_____

_____

## 5 Funda izibalo zamagama. Bhala isivakalisi manani uze usombulule.

Read the word sums. Write a number sentence and solve.

| | |
|---|---|
| Iphayi enye inamaqhekeza asi-8. Mangaphi amaqhekeza akwiiphayi ezi-4?<br>One pie has 8 slices. How many slices in 4 pies? | 4 x 8 = 32<br>Amaqhekeza angama- 32<br>32 slices |
| Ingxowa enye yokutya kwenja inobunzima obungange-8 kg. Ziza kuba nobunzima obungakanani iingxowa zokutya kwenja ezisi-7?<br>One bag of dog food weighs 8 kg. What will 7 bags of dog food weigh? | _____<br>Iikhilogram ezi-____<br>___ kilograms |
| Umbhaki upakisha iidonathi ezisi-8 ebhokisini. Uza kupakisha iidonathi ezingaphi kwiibhokisi ezi-5?<br>The baker packs 8 doughnuts in a box. How many doughnuts will he pack in 5 boxes? | _____<br>Iidonathi ezi-____<br>___ doughnuts |



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IVEKI • WEEK 2

**USUKU 2** • DAY 2

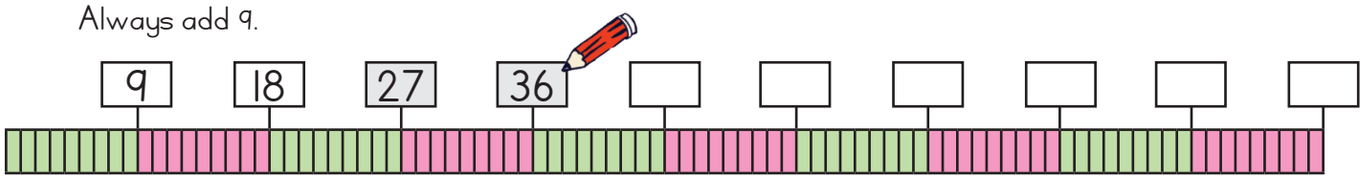
# Itheyibhile yokuphindaphinda isi-9

9 times table

IZIBALO ZENTLOKO
MENTAL MATHS
DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10
ADD AND SUBTRACT MULTIPLES OF 10
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## 1 Dibanisa isi-9 rhoqo.

Always add 9.

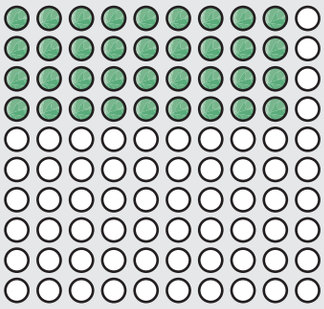
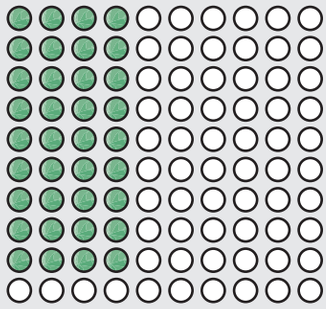
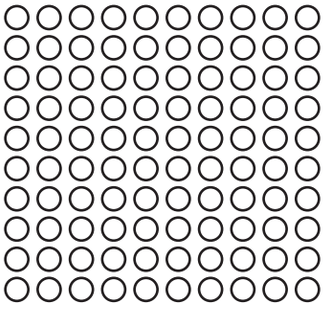
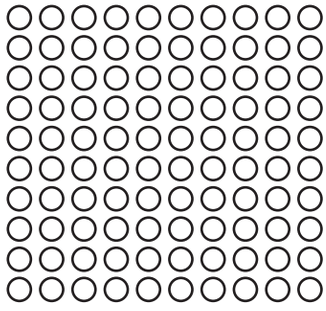
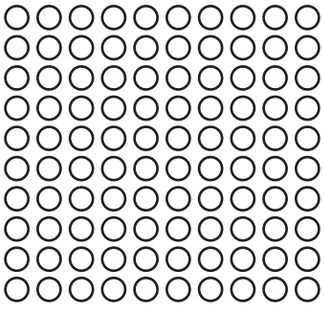
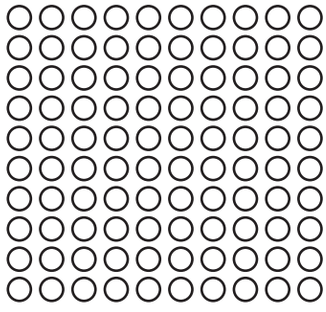



## 2 Fakela umbala kucwangcisomanani.

Colour the dots in the array.

Uqaphela ntoni xa ufaka umbala kumzobo wakho wocwangcisomanani? Yintoni efanayo? Yintoni eyahlukileyo?

What do you notice when you colour the arrays? What is the same? What is different?

| | |
|---|---|
|  4 x 9 = 36 |  9 x 4 = 36 |
|  3 x 9 = ____ |  9 x 3 = ____ |
|  7 x 9 = ____ |  9 x 7 = ____ |



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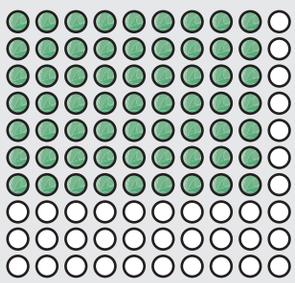
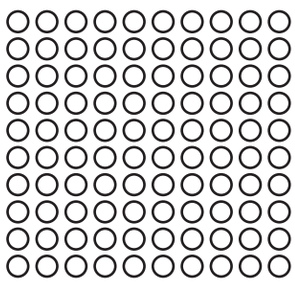
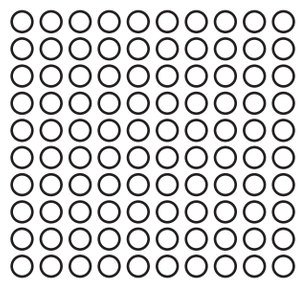
## 3 Bala usebenzise ucwangcisomanani.

Use the array to calculate.

| 7 x 9 = ____ | 8 x 9 = ____ | 9 x 9 = ____ |
|---|---|---|
|  |  |  |

## 4 Sombulula.

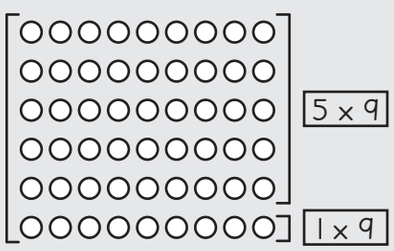
Solve.

**6 x 9**

5 x 9 = 45

1 x 9 = 9

54

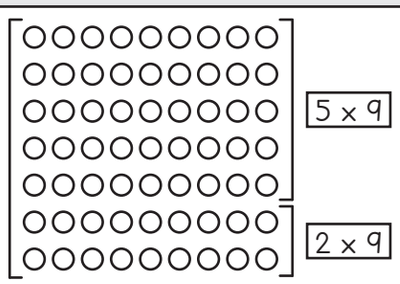



**7 x 9**

5 x 9 = ☐

2 x 9 = ☐

☐

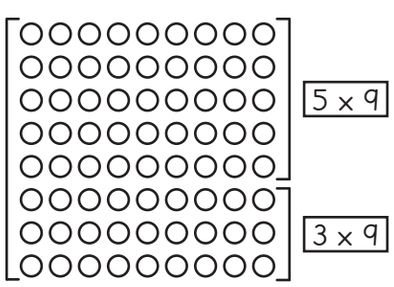



**8 x 9**

5 x 9 = ☐

3 x 9 = ☐

☐




## 5 Phindaphinda.

Multiply.

| 3 x 9 = 27 | 8 x 9 = ____ | 9 x 2 = ____ | 9 x 3 = ____ |
|---|---|---|---|
| 1 x 9 = ____ | 5 x 9 = ____ | 9 x 5 = ____ | 9 x 4 = ____ |
| 2 x 9 = ____ | 6 x 9 = ____ | 9 x 7 = ____ | 9 x 8 = ____ |
| 4 x 9 = ____ | 10 x 9 = ____ | 9 x 9 = ____ | 9 x 10 = ____ |



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# Iitheyibhile zophindaphindo
## Times tables

IZIBALO ZENTLOKO — MENTAL MATHS: DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10 — ADD AND SUBTRACT MULTIPLES OF 10 → UMDLALO — GAME → UPHUHLISO LWENGQIQO — CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA — WORKSHEETS

**1** Gqibezela le tshathi yophindaphindo.

Complete the multiplication chart.

| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | | | | | | | | |
| 2 | 2 | | | | | | | | |
| 3 | 3 | | 9 | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | 36 | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | 81 |

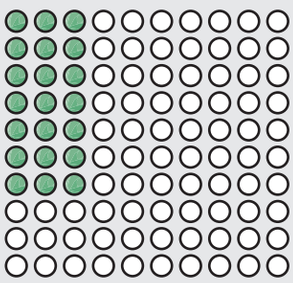
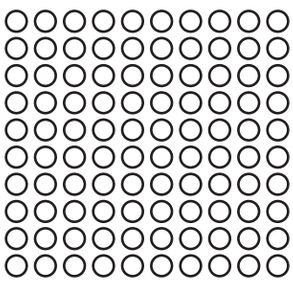
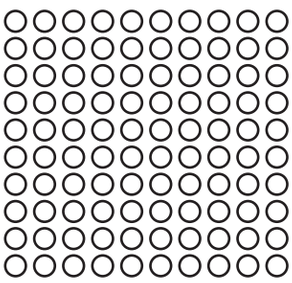
**2** Zingaphi?

How many?

| iitrayisekile<br>tricycles | | amavili<br>wheels | |
|---|---|---|---|

**3** Fakela umbala kumachokoza akucwangcisomanani ukuze ubonise oku:

Colour the dots in the array to show:

| 7 x 3 = ____ | 6 x 4 = ____ | 5 x 8 = ____ |
|---|---|---|
|  |  |  |



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**Jonga le ngxowa! Ineebhola zentenetya, ezombhoxo nezesoka.**

Look at the bag! It has tennis balls, rugby balls and soccer balls.

## 4 Zingaphi?

How many?

| | | | | Iibhola zizonke? Balls altogether? |
|---|---|---|---|---|
| | 4 | 2 | 3 | 9 |
| | | | | |
| | | | | |
| | | | | |

## 5 I-12 ungalenza ngeendlela ezingaphi?

How many ways can you make 12?

| | |
|---|---|
| | 12 x 1 = 12 1 x 12 = 12 |
| | |
| | |



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# Itheyibhile yophindaphindo luka-1
## 1 times table

IZIBALO ZENTLOKO
MENTAL MATHS

DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10
ADD AND SUBTRACT MULTIPLES OF 10

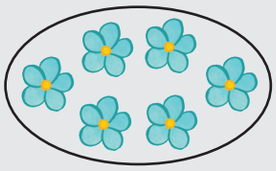
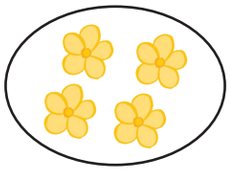
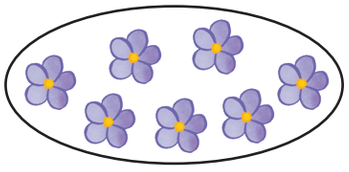
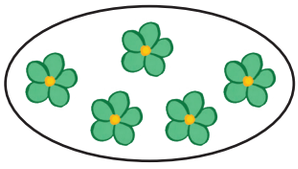
→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Naliphi na inani eliphindaphindwe ngo-1 liya kusoloko lilingana nelo nani.
Any number multiplied by 1 always equals the same number.

**1**

| | |
|---|---|
| | Kukho oononye aba-6.<br>There are 6 ones.<br>6 x 1 = 6 |
|  | Kukho iqela eli-1 lesi-6.<br>There is 1 group of 6.<br>1 x 6 = 6 |
| | Kukho oononye aba-____.<br>There are ___ ones.<br>____ x ____ = ____ |
|  | Kukho iqela eli-____ lesi-4.<br>There is ___ group of 4.<br>____ x ____ = ____ |
| | Kukho oononye aba-____.<br>There are ___ ones.<br>____ x ____ = ____ |
|  | Kukho iqela eli-____ lesi-7.<br>There is ___ group of 7.<br>____ x ____ = ____ |
| | Kukho oononye aba-____.<br>There are ___ ones.<br>____ x ____ = ____ |
|  | Kukho iqela eli-____ lesi-5.<br>There is ___ group of 5.<br>____ x ____ = ____ |



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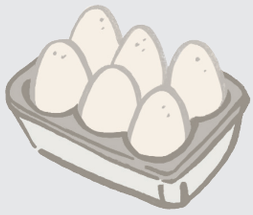
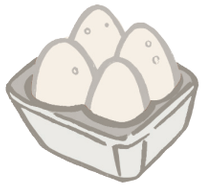
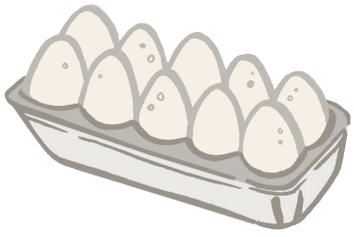
## 2 Mangaphi amaqanda? Bhala isivakalisi manani sophindaphindo.

How many eggs? Write a multiplication number sentence.

| | |
|---|---|
| |  |
| 6 x 1 = 6 | 1 x 6 = 6 |
| |  |
| | |
| |  |
| | |

## 3 Fakela umbala kwiziphindwa zikanonye. Bhala izivakalisi manani zophindaphindo.

Colour the multiples of one. Write the multiplication number sentences.

| x | 0 | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 2 | 3 | 4 | 5 |
| 2 | 0 | 2 | 4 | 6 | 8 | 10 |
| 3 | 0 | 3 | 6 | 9 | 12 | 15 |
| 4 | 0 | 4 | 8 | 12 | 16 | 20 |
| 5 | 0 | 5 | 10 | 15 | 20 | 25 |

| | |
|---|---|
| 0 x 1 = 0 | 1 x 0 = 0 |
| 1 x 1 = 1 | 1 x 1 = 1 |
| 1 x 2 = ____ | 2 x 1 = ____ |
| | |
| | |
| | |



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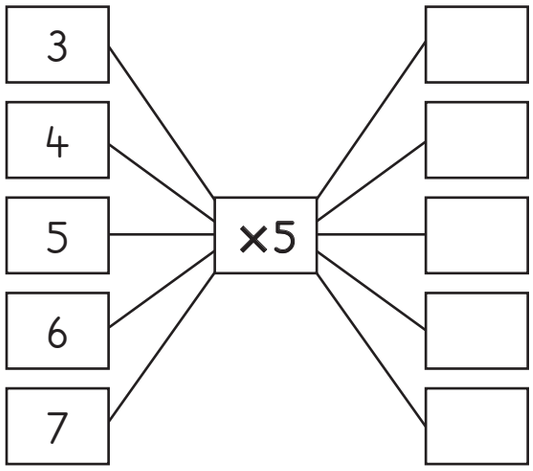
# Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

## 1 Gqibezela le tshathi yesigcawu.
Complete the flow charts.




## 2 Kukho izipha ezi-5 zeebhanana ezi-3 kwisipha ngasinye. Sitye iibhanana ezi-4. Zingaphi iibhanana eziseleyo?
There are 5 bunches of 3 bananas each. We eat 4 bananas. How many bananas are left?

## Masithethe ngeMaths!
**Let's talk Maths!**

| NgesiXhosa sithi: | In English we say: |
|---|---|
| ucwangcisomanani | array |
| umqolo | row |
| ikholamu | column |
| phindaphinda | multiply |
| phindaphinda | times |
| uphindaphindo | multiplication |



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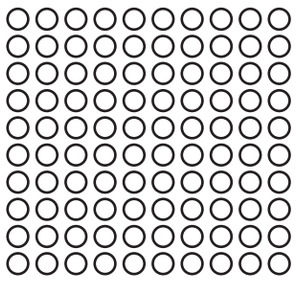
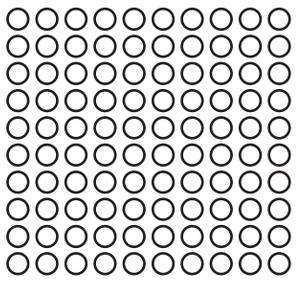
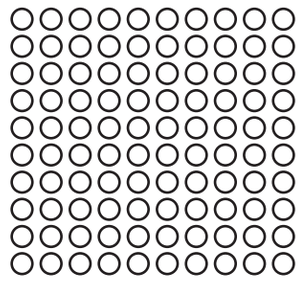
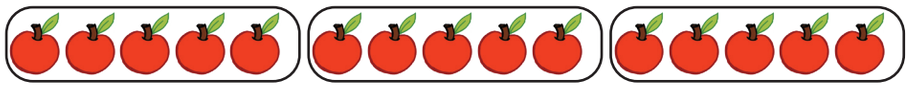
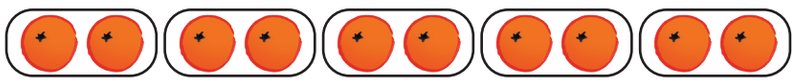
## 1 Fakela umbala kumachokoza akucwangcisomanani ukuze ubonise oku:

Colour the dots in the array to show:

| 3 x 4 = ____ | 5 x 2 = ____ | 9 x 6 = ____ |
|---|---|---|
|  |  |  |

## 2 Bhala isivakalisi manani nesiphumo.

Write the number sentence with the answer.

| | isivakalisi manani<br>number sentence |
|---|---|
|  | |
| | |
|  | |

## 3

Kukho iibhokisi ezi-4 zezinto zokudlala. Ibhokisi nganye ineetrakha ezi-3, iibhola ezi-5 nobherana o-1.

There are 4 boxes of toys. Each box has 3 trucks, 5 balls and 1 teddy bear inside.

Zingaphi?

How many?

| | | | Izinto zokudlala zizonke?<br>Toys altogether? |
|---|---|---|---|
| | | | |



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# Ukuxela ixesha
Telling the time

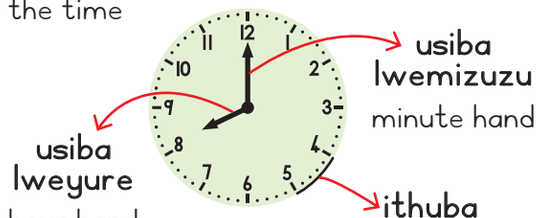
IZIBALO ZENTLOKO
MENTAL MATHS
NDIBONISE INANI
SHOW ME A NUMBER
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## Umdlalo: Mangaphi ama-100? Mangaphi ama-10? Mingaphi imivo?
Game: How many 100s? How many 10s? How many 1s?

- Sebenzani ngababini. Bonisa inani ngoonotsheluza bakho.
  Work in pairs. Build a number using your flard cards.
- Mangaphi ama-100? Mangaphi ama-10? Mingaphi imivo?
  How many 100s? How many 10s? How many 1s?
- Leliphi inani?
  What number?

Amakhulu ama-4, amashumi asi-7 nemivo emi-2.
4 hundreds, 7 tens and 2 ones.

## Iwotshi yamasiba: inobuso namasiba okwalatha ixesha
Analogue clock: has a face and hands to point to the time

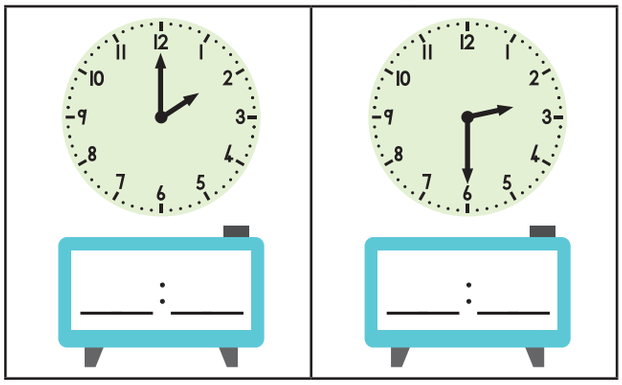



## Iwotshi yamanani: ibonisa ixesha ngamanani
Digital clock: uses numbers to show the time

## 1 Zoba usiba lwemizuzu ewotshini ubonise oku:
Draw the minute hand on the clock to show these times:

| intsimbi yesi-5<br>5 o'clock | intsimbi yesi-4<br>4 o'clock |
|---|---|
| | |

## 2 Bhala ixesha kwiiwotshi zamanani.
Write the time on the digital clocks.





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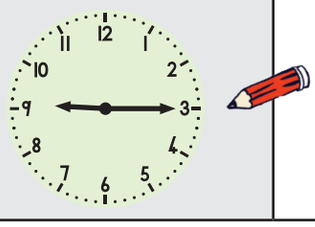
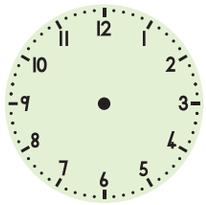
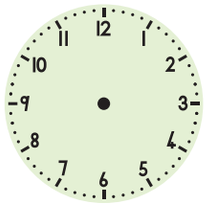
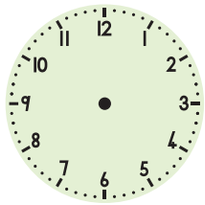
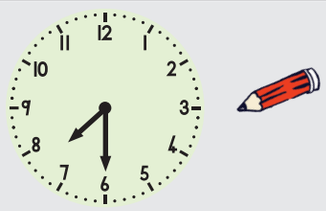
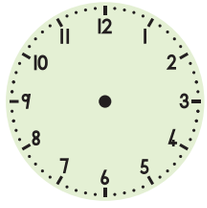
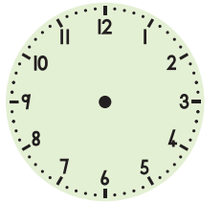
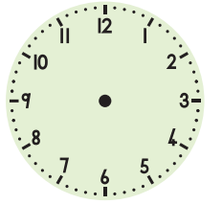
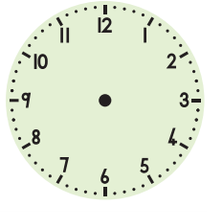
## 3 Bonisa ixesha ewotshini.

Show the times on the clocks.

| 09:15 | 07:30 | 11:45 | 10:20 |
|---|---|---|---|
|  |  |  |  |

## 4 Fakela ixesha.

Fill in the time.

| | | |
|---|---|---|
| licala emva kwe ntsimbi ye-7<br>half past seven | 07 : 30 |  |
| _____<br>_____<br>_____ | 03:30 |  |
| yintsimbi ye-12<br>twelve o'clock | ____ : ____ |  |
| _____<br>_____<br>_____ | ____ : ____ | |
| _____<br>_____<br>_____ | 05:45 |  |
| yintsimbi ye-10<br>ten o'clock | ____ : ____ |  |



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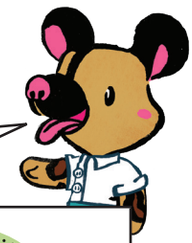
# Ukulinganisela ixesha
Measuring time

IZIBALO ZENTLOKO
MENTAL MATHS
NDIBONISE INANI
SHOW ME A NUMBER
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## 1 Mingaphi imizuzu edlulileyo?
How many minutes have passed?




| | | | |
|---|---|---|---|
| | | | |
| yimizuzu<br>e-0<br>0 minutes | yimizuzu<br>e-_____<br>_____ minutes | yimizuzu<br>e-_____<br>_____ minutes | yimizuzu<br>e-_____<br>_____ minutes |

## 2 Biyela ngesangqa iwotshi ebonisa umkhono emva kweyesithathu.
Circle the clocks that show quarter past three.

## 3 Bhala ixesha ngamanani.
Write the digital time.

| yintsimbi ye-<br>o'clock | | | |
|---|---|---|---|
| | | | |
| 07 : 00 | ___ : ___ | ___ : ___ | ___ : ___ |



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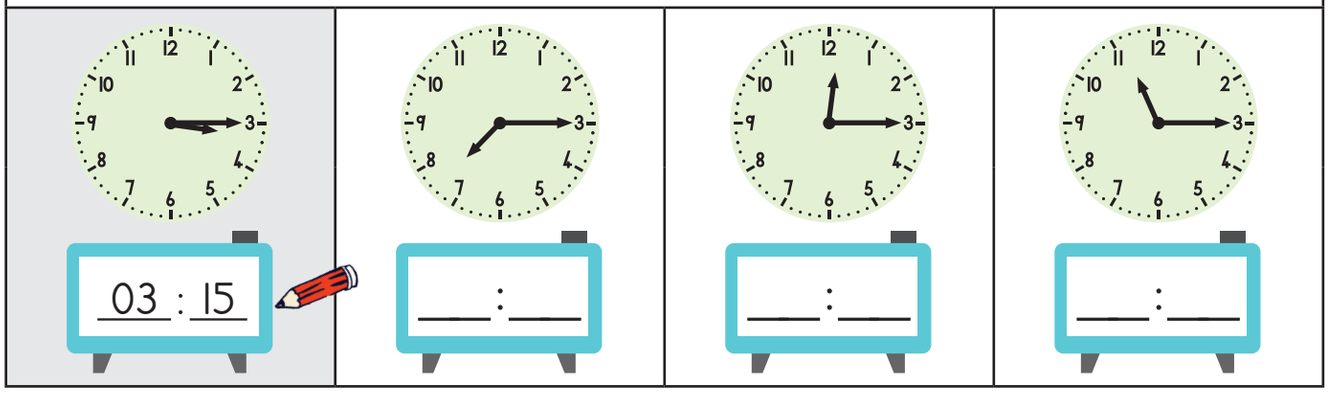
## 4 Bhala ixesha ngamanani.

Write the digital time.

ngumkhono emva kweye-

quarter past

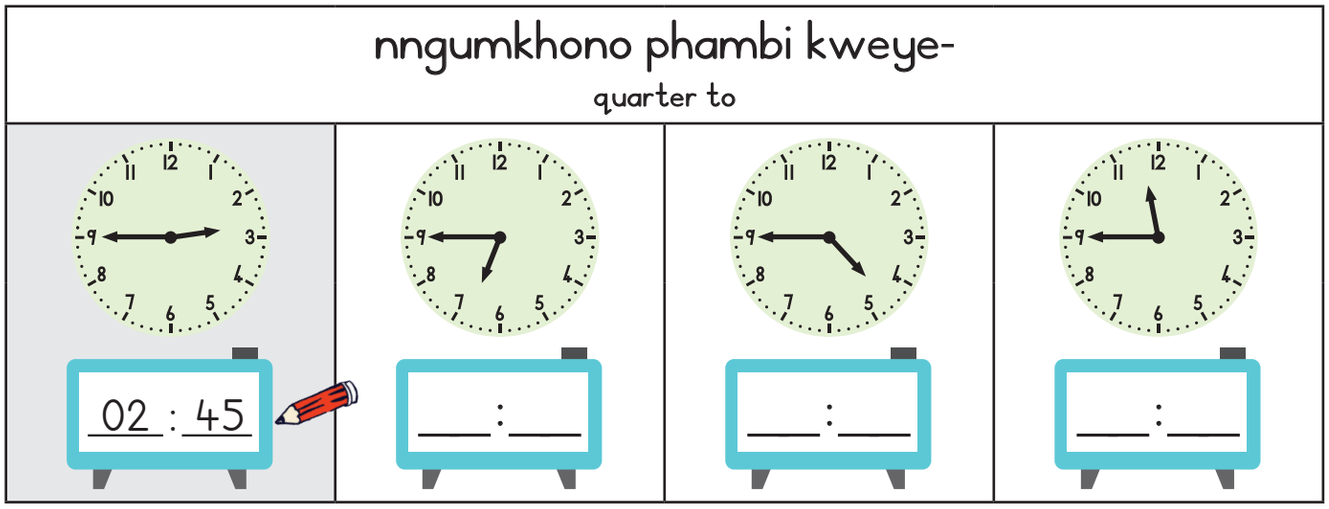



## 5 Bhala ixesha ngamanani.

Write the digital time.

nngumkhono phambi kweye-

quarter to

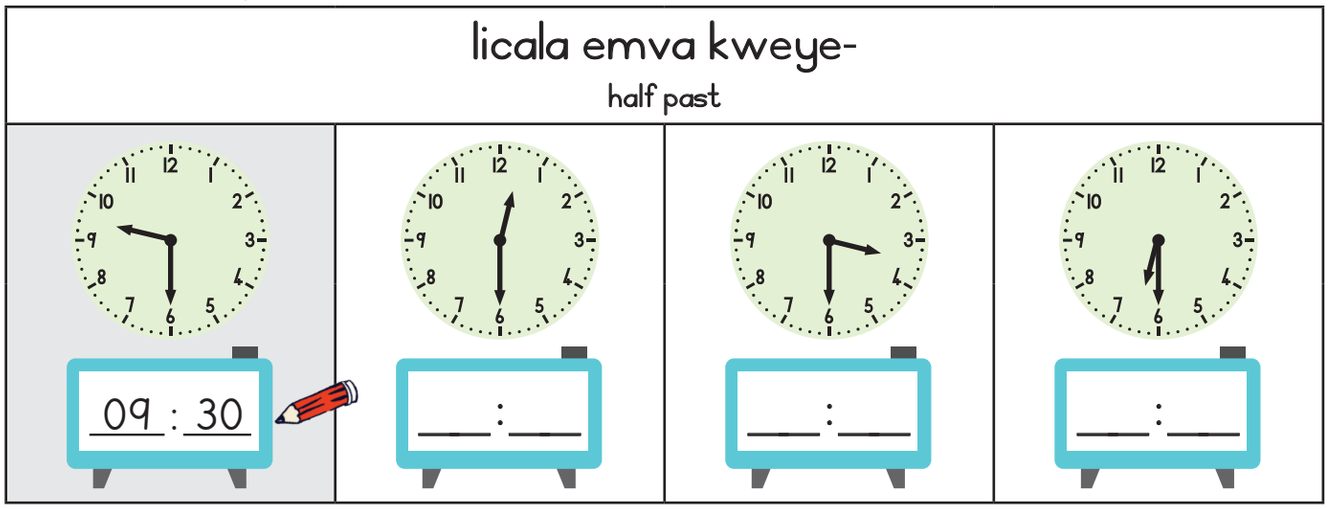



## 6 Bhala ixesha ngamanani.

Write the digital time.

licala emva kweye-

half past



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# Ixesha elidlulileyo
## Time elapsed

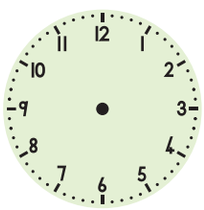
IZIBALO ZENTLOKO (MENTAL MATHS) — NDIBONISE INANI (SHOW ME A NUMBER) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

**Ixesha elidlulileyo lixesha elihamba phakathi kweziganeko ezibini.**

Time elapsed is the amount of time that has passed between two events.

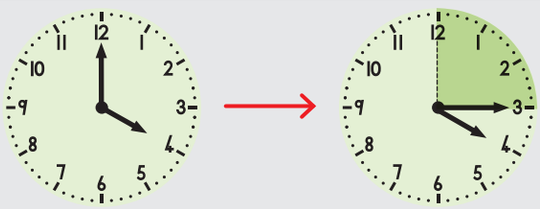
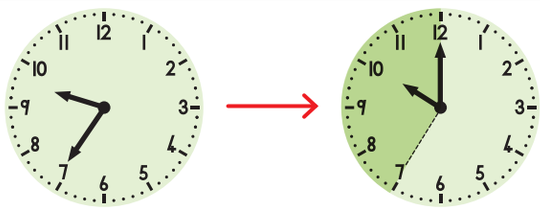
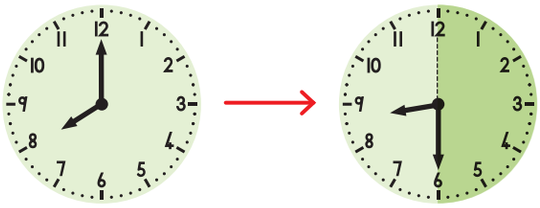
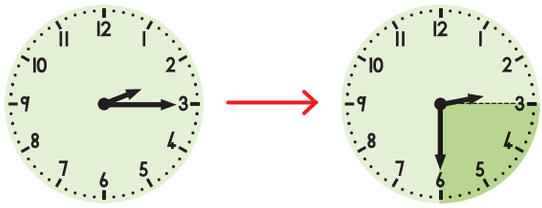
## 1 Zoba amasiba ewotshini uze ubhale ixesha.

Draw the hands on the clock and write the time.

| imizuzu eli-15 emva kwexesha<br>15 minutes later | | imizuzu eli-15 phambi kwexesha<br>15 minutes earlier |
|---|---|---|
| | | |
| |  | |

## 2 Mingaphi imizuzu edlulileyo?

How many minutes have passed?

| | |
|---|---|
|  |  |
| yimizuzu eli-15<br>15 minutes | yimizuzu e-_____<br>_____ minutes |
|  |  |
| yimizuzu e-_____<br>_____ minutes | yimizuzu e-_____<br>_____ minutes |



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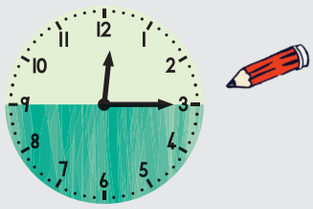
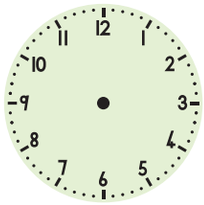
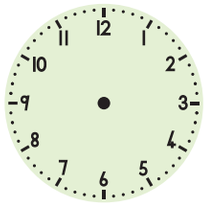
## 3 Faka umbala ubonise ixesha elidlulileyo.

Shade to show the time elapsed.

| imizuzu engama-30<br>30 min | imizuzu eli-15<br>15 min | imizuzu engama-45<br>45 min |
|---|---|---|
|  | | |

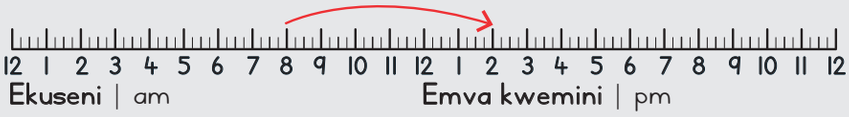
## 4 Sombulula iingxaki zexesha.

Solve the time problems.

| | isiqalo<br>start | isiphelo<br>end |
|---|---|---|
| Ibhasi imka esikolweni nge-08:30. Sifike emyuziyamu ngo-09:15. Lube lude kangakanani uhambo ngebhasi?<br>The bus left school at 08:30. We arrived at the museum at 09:15. How long was the bus trip? | | |
| ixesha elidlulileyo<br>time elapsed | imizuzu engama-45<br>45 minutes | |
| Siqale ukhenketho lwethu nge-09:30. Saze sanethutyana lokutya emva kweeyure ezi-$2\frac{1}{2}$. Belingabani ixesha ikhefu lokutya?<br>We started the tour at 09:30. We had a snack break after $2\frac{1}{2}$ hours. What time was the snack break? |  |  |
| ixesha elidlulileyo<br>time elapsed | | |

## 5 Zingaphi iiyure ezidlulileyo?

How many hours have passed?

| | |
|---|---|
|  <br>12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12<br>**Ekuseni** \| am **Emva kwemini** \| pm | ziiyure ezi-<u>6</u><br><u>6</u> hours |
| <br>12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12<br>**Ekuseni** \| am **Emva kwemini** \| pm | ziiyure ezi-____<br>___ hours |



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# Iikhalenda
## Calendars

IZIBALO ZENTLOKO
MENTAL MATHS
NDIBONISE INANI
SHOW ME A NUMBER
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

### eyoMqungu
January

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| 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 | | | | |

### eyoMdumba
February

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | | 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 | | | | |

### eyoKwindla
March

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | | 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 | |

### uTshaziimpuzi
April

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | | | | | 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 | | | | | | |

### uCanzibe
May

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | 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 | | | |

### eyeSilimela
June

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | | | 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 | |

### eyeKhala
July

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | | | | | 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 | | | | | |

### eyeThupha
August

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | 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 | | |

### eyoMsintsi
September

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | | | | 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 |

### eyeDwarha
October

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| 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 | | | | |

### eyeNkanga
November

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | | 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 | | |

### eyoMnga
December

| Ca | M | Lw | Le | Lw | L | Mg |
|---|---|---|---|---|---|---|
| | | | | | 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 | | | | | | |

**Sebenzisa ikhalenda ukuze uphendue imibuzo!**

Use the calendar to answer the questions!

## 1 Biyela kwikhalenda le mihla ilandelayo uze ubhale umhla lowo.

Circle the following dates on the calendar and write the date.

| | umhla<br>date | Lingakanani ixesha eliphakathi kwezi ntsuku?<br>How long is between these days? |
|---|---|---|
| namhlanje<br>today | | |
| uMvulo olandelayo<br>next Monday | | |
| umhla wokuzalwa kwakho<br>your birthday | | |
| umhla wokuzalwa weqabane lakho<br>your partner's birthday | | |



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| | umhla<br>date | Lingakanani ixesha eliphakathi kwezi ntsuku?<br>How long is between these days? |
|---|---|---|
| uSuku lweMveli naMafa<br>Heritage Day | | |
| uSuku loLutsha<br>Youth Day | | |

## 2 Bhala amagama ezi nyanga zonyaka.

Write the names of these months of the year.

| | |
|---|---|
| inyanga yokuqala<br>first month | eyoMqungu<br>January |
| inyanga yesithathu<br>third month | |
| inyanga yesixhenxe<br>seventh month | |
| inyanga yeshumi<br>tenth month | |

## 3 Yeyiphi inyanga.

Name the month.

| | |
|---|---|
| yesi-3 emva kweyoKwindla<br>3 months after March | eyeSilimela<br>June |
| yesi-5 emva kweyeDwarha<br>5 months after October | |
| yesi-4 phambi kweyeSilimela<br>4 months before June | |
| yesi-7 phambi kweyoMnga<br>7 months before December | |

## 4 USipho uya ekhefini ukusukela ngomhla wama-24 kweyeSilimela ukuya kowe-19 kweyeKhala. Uza kungabikho iintsuku ezingaphi?

Sipho is going on holiday from 24 June to 19 July. How many days will he be away?



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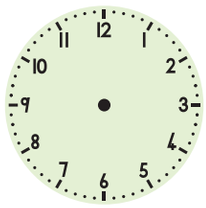
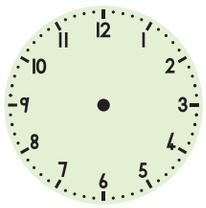
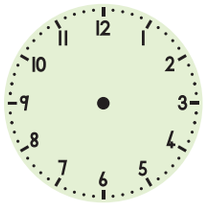
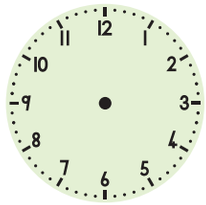
# Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

## 1 Bonisa ixesha ewotshini.
Show the time on the clock.

| 07:00 | 05:30 | intsimbi ye-11<br>11 o'clock | umkhono emva kweye-12<br>quarter past 12 |
|---|---|---|---|
|  |  | | |

## 2

| | iyaqala<br>start | iyaphela<br>stop |
|---|---|---|
| USipho uye kuziqhelisa isoka ngentsimbi yesi-3. Idlale ithuba elingangeyure enesiqingatha. Uyeke ukudlala ngabani ixesha?<br>Sipho went to soccer practice at 3 o'clock. He played for one and a half hours. What time did he stop playing? |  |  |
| ixesha elidlulileyo<br>time elapsed | | |

## Masithethe ngeMaths!
**Let's talk Maths!**

| NgesiXhosa sithi: | In English we say: |
|---|---|
| ixesha | time |
| iwotshi | clock |
| iiyure | hours |
| imizuzu | minutes |
| isiqingatha seyure (icala emva kweyure) | half hour |
| ikota yeyure (umkhono phambi/emva kweyure) | quarter hour |
| ixesha elidlulileyo | time elapsed |
| iwotshi yamasiba | analogue clock |
| iwotshi yamanani | digital clock |



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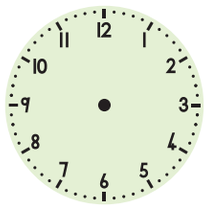
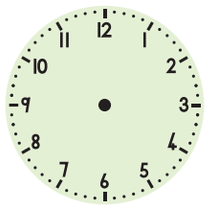
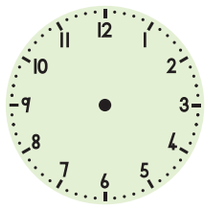
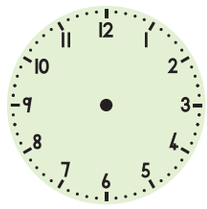
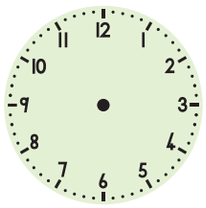
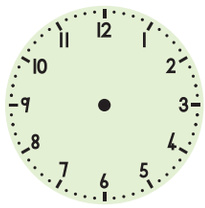
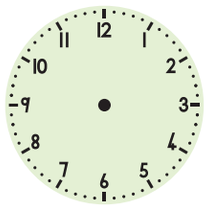
## 1 Zoba amasiba ewotshini.

Draw the hands on the clock.

| 06:15 | 09:30 | 07:45 | 09:00 |
|---|---|---|---|
|  |  |  |  |

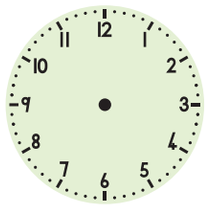
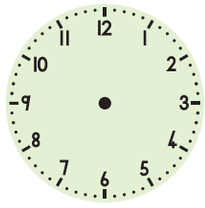
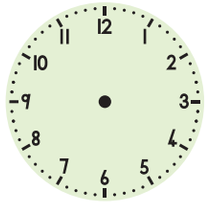
## 2 Ixesha yintsimbi ye-09:00. Bonisa ixesha elitsha ewotshini.

The time is 09:00. Show the new time on the clock.

| imizuzu engama-30 emva koko<br>30 minutes later | imizuzu eli-15 phambi koko<br>15 minutes earlier | imizuzu eli-15 emva koko<br>15 minutes later |
|---|---|---|
|  |  |  |

## 3 Siza kulunga xesha liphi isidlo?

When will dinner be ready?

| ngoku<br>now | ixesha lokupheka<br>cooking time | silungile<br>ready |
|---|---|---|
| _____ | imizuzu eli-10<br>10 min |  _____ |
| _____ | imizuzu engama-20<br>20 min |  _____ |
| _____ | imizuzu eli-15<br>15 min |  _____ |



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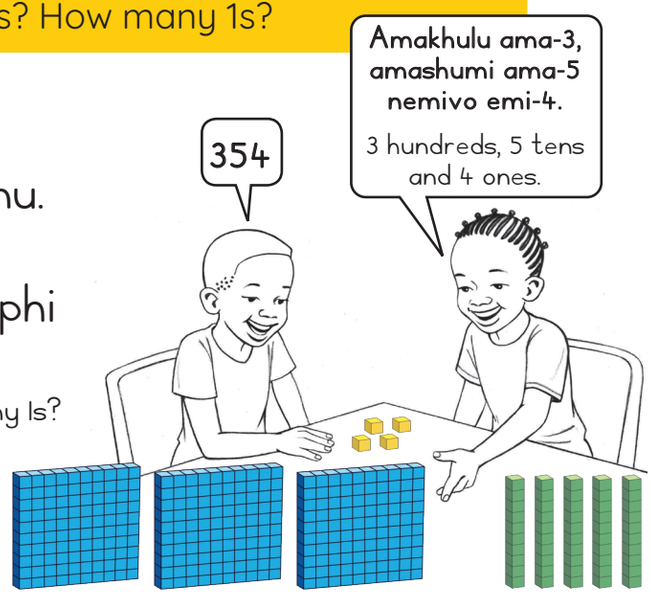
# Ukuphinda kabini nokudibanisa okuphindaphindwayo
## Doubling and repeated addition

IZIBALO ZENTLOKO (MENTAL MATHS) NDIBONISE INANI (SHOW ME A NUMBER) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

## Umdlalo: Mangaphi ama-100? Mangaphi ama-10? Mingaphi imivo?
Game: How many 100s? How many 10s? How many 1s?

- Sebenzani ngababini.
  Work in pairs.
- Yakhani inani ngeebloko zenu.
  Build a number using your blocks.
- Mangaphi ama-100? Mangaphi ama-10? Mingaphi imivo?
  How many 100s? How many 10s? How many 1s?
- Leliphi inani?
  What number?



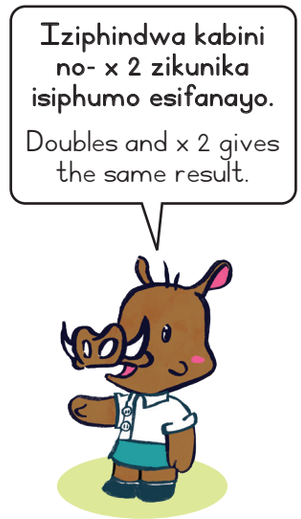

phinda kabini i-19
double 19

→ 10 + 10 = 20
9 + 9 = 18

→ 19 x 2 = 38

## 1 Bala.
Calculate.

| phindaphinda<br>multiple | phinda kabini<br>double | isiphumo<br>answer |
|---|---|---|
| 2 x 15 = | 15 + 15 | 30 |
| 2 x 20 = | | |
| 2 x 25 = | | |
| 2 x 35 = | | |
| 2 x 10 = | | |
| 2 x 40 = | | |
| 2 x 50 = | | |
| 2 x 45 = | | |
| 2 x 60 = | | |



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**2** Iintaka zili-18, mangaphi amaphiko?

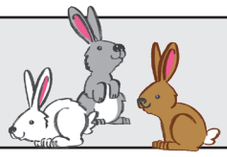
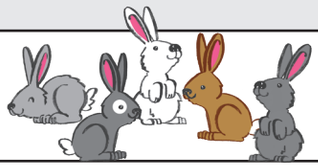
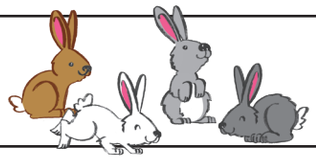
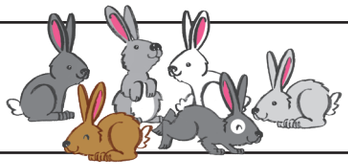
18 birds, how many wings?

Oonombombiya bangama-24, mingaphi imilenze?

24 penguins, how many legs?

**3** Zingaphi iindlebe, mangaphi amanqina ewonke?

How many ears and how many paws altogether?

| | iindlebe<br>ears | amanqina<br>paws |
|---|---|---|
|  | 3 x 2 = 6 | 3 x 4 = 12 |
|  | | |
|  | | |
|  | | |

**4** Kukho abantu aba-2 namavili ama-4 kwimoto nganye. Bangaphi bebonke emangaphi amavili?

Each car has 2 people and 4 wheels. How many altogether?

| iimoto<br>cars | abantu<br>people | amavili<br>tyres |
|---|---|---|
| | 10 | 20 |
| | | |
| | | |
| | | |



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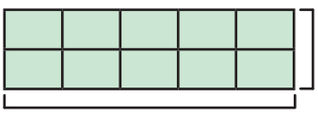
# Uphindaphindo neepatheni
## Multiplication patterns

IZIBALO ZENTLOKO – MENTAL MATHS: NDIBONISE INANI – SHOW ME A NUMBER → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS



2 x 5 = 10

5 x 2 = 10

**Xa uphindaphinda, ukulandelelana kwamanani akubalulekanga, ufumana isiphumo esinye.**

When you multiply, the order of the numbers does not matter, you get the same answer.

## 1 Bhala isivakalisi sophindaphindo kucwangcisomanani ngalunye.

Write the multiplication sentence for each array.

| | |
|---|---|
| 2 x 1 = 2 | ____ x ____ = ____ |
| ____ x ____ = ____ | ____ x ____ = ____ |

## 2 Qwalasela ucwangciso lweebhola.

Look at the arrays of balls.

| | |
|---|---|
| iibhola ezi-3 kumqolo<br>3 balls in a row<br>imiqolo emi-5 yeebhola<br>5 rows of balls<br>5 x 3 = 15 | <br>iibhola ezi-____ kumqolo<br>____ balls in a row<br>imiqolo e-____ yeebhola<br>____ rows of balls<br>____ x ____ = ____ |
| iibhola ezi-____ kumqolo<br>____ balls in a row<br>imiqolo emi-____ yeebhola<br>____ rows of balls<br>____ x ____ = ____ | <br>iibhola ezi-____ kumqolo<br>____ balls in a row<br>imiqolo emi-____ yeebhola<br>____ rows of balls<br>____ x ____ = ____ |



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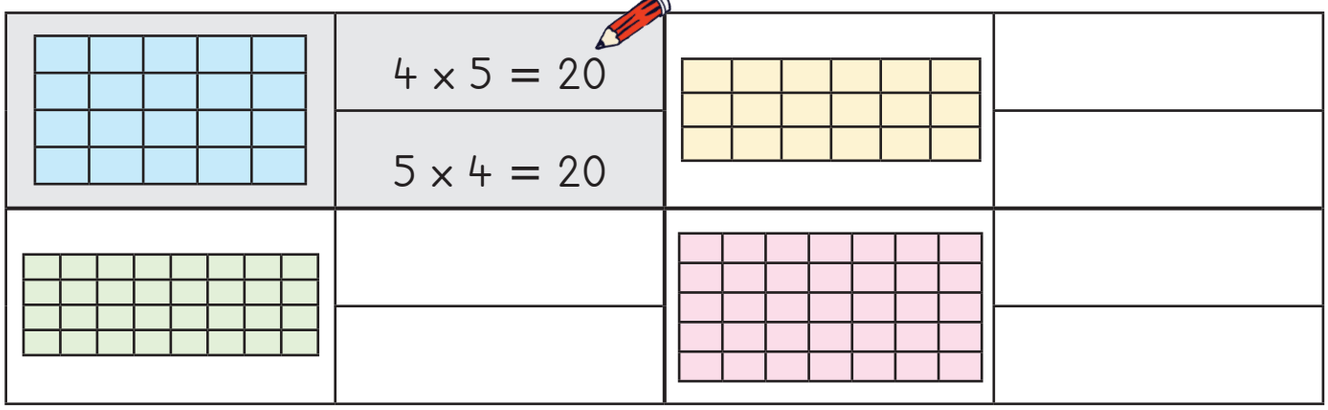
## 3 Bhala izivakalisi zophindaphindo ezibini kucwangciso ngalunye.

Write two multiplication sentences for each array.




## 4

UNeliswa ucwangcisa izitikha zeenkwenkwezi ezili-12.

Neliswa arranges 12 star stickers in an array.

2 x 6 = 12

Bonisa enye indlela ebenokuzicwangcisa ngayo izitikha.

Show another way she could arrange the stickers.

____ x ____ = ____

UNomsa ucwangcisa izitikha ezili-18.

Nomsa arranges 18 stickers in an array.

____ x ____ = ____

Bonisa enye indlela ebenokuzicwangcisa ngayo izitikha.

Show another way she could arrange the stickers.

____ x ____ = ____

USipho unezitikha ezingama-20.

Sipho has 20 stickers.

____ x ____ = ____

Yeyiphi enye indlela onokuzicwangcisa ngayo izitikha?

What other array could the stickers be arranged in?

____ x ____ = ____



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# Iipatheni kwiitheyibhile zophindaphindo
## Patterns in multiplication tables

IZIBALO ZENTLOKO (MENTAL MATHS) NDIBONISE INANI (SHOW ME A NUMBER) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

## 1 Zalisa itshathi yophindaphindo.
Complete the multiplication chart.

| | x 1 | x 2 | x 3 | x 4 | x 5 | x 6 | x 7 | x 8 | x 9 | x 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| x 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| x 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| x 3 | 3 | | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| x 4 | 4 | | | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| x 5 | 5 | | | | 25 | 30 | 35 | 40 | 45 | 50 |
| x 6 | 6 | | | | | 36 | 42 | 48 | 54 | 60 |
| x 7 | 7 | | | | | | 49 | 56 | 63 | 70 |
| x 8 | 8 | | | | | | | 56 | 72 | 80 |
| x 9 | 9 | | | | | | | | 81 | 90 |
| x 10 | 10 | | | | | | | | | 100 |

## 2 Fumana inani elingekhoyo.
Find the missing number.

| | | | |
|---|---|---|---|
| 6 x 3 = 18 | ___ x 6 = 24 | ___ x 2 = 16 | ___ x 3 = 24 |
| ___ x 6 = 18 | ___ x 4 = 24 | ___ x 3 = 9 | ___ x 6 = 30 |
| ___ x 4 = 32 | ___ x 3 = 27 | ___ x 6 = 42 | ___ x 4 = 16 |

## 3 Sebenzisa itshathi yakho yophindaphindo ukuze ufumane inani lezibini zamanani eziya kukhupha ezi ziphumo.
Use your multiplication chart to find how many pairs of numbers will give you these products.

| | | | |
|---|---|---|---|
| 24 | 12 x 2 = 24<br>6 x 4 = 24<br>8 x 3 = 24 | 30 | |
| 20 | | 16 | |



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## 4 Phambi kokuziqhelisa, iqela leembaleki lenza imijikelo emithathu.

Before practice, the athletics team complete three sets of exercises to warm up.

| ukuxhumaxhuma ka-6<br>6 jumping jacks | ukutyhala-unyuka ka-4<br>4 push-ups | ukucinezela isisu ka-5<br>5 tummy crunches | goba buguqa ka-10<br>10 lunges | izikati ezisi-8<br>8 squats |
|---|---|---|---|---|
| | | | | |

Bala ukuba benza kangaphi kumthambo ngamnye.

Calculate how many of each exercise they do.

| | ukuziqhelisa ka-1<br>1 practice | ukuziqhelisa ka-2<br>2 practices |
|---|---|---|
| ukuxhumaxhuma<br>jumping jacks | 1 x 6 = 6 | 2 x 6 = 12 |
| tyhala unyuka<br>push ups | | |
| ukucinezela isisu<br>tummy crunches | | |
| ukugoba-buguqa<br>lunges | | |
| izikwati<br>squats | | |

## 5 Bhala isivakalisi manani senani ngalinye eligqunyiweyo.

Write the number sentence for each of the covered numbers.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | |
| 3 | 3 | 6 | | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | | 40 | 45 | 50 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | | 70 |
| 8 | 8 | | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

10 x 2 = 20

_____

_____

_____

_____

_____



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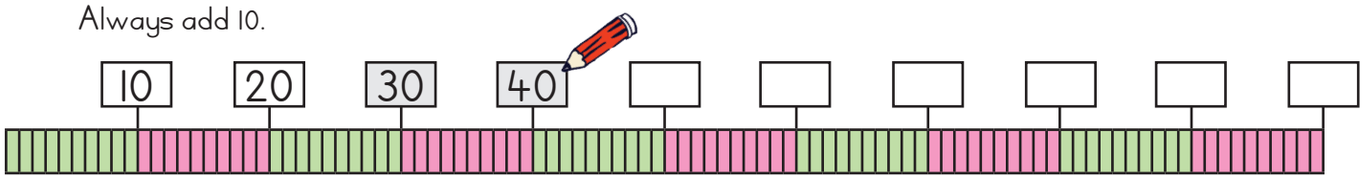
IVEKI • WEEK 4

**USUKU 4** • DAY 4

# Uphindaphindo nge-10
Multiply by 10

IZIBALO ZENTLOKO MENTAL MATHS: NDIBONISE INANI SHOW ME A NUMBER → UMDLALO GAME → UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA WORKSHEETS

## 1 Dibanisa isi-10 rhoqo.
Always add 10.




## 2

| abantwana children | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| iminwe fingers | 10 | 20 | | | | | | | | |

## 3 Zingaphi iisenti?
How many cents?

| | uphindaphindo multiplication | isiphumo answer |
|---|---|---|
| | 4 x 10c = | 40c |
| | | |
| | | |

## 4 Zingaphi iirandi?
How many Rand?

## 5 Ndine-R10 ezingamaphepha ezisi-7. Yimalini endinayo iyonke?
I have 7 R10 notes. How much money do I have altogether?



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**6** Ndinee-R10 ezingamaphepha ezilishumi. Ndiza kufumana itshintshi yamalini?

I have ten R10 notes. How much change will I get?

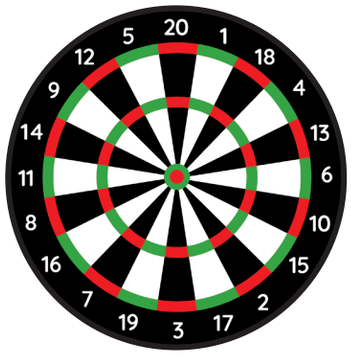
**7** Phindaphinda.

Multiply.

| | | | |
|---|---|---|---|
| 2 x 10 = 20 | 3 x 10 = ____ | 5 x 10 = ____ | 2 x 5 = ____ |
| 3 x 5 = ____ | 5 x 5 = ____ | 4 x 10 = ____ | 10 x 10 = ____ |
| 6 x 10 = ____ | 4 x 5 = ____ | 10 x 5 = ____ | 6 x 5 = ____ |

**8** Abahlobo abane bebezidlalela iidathi. Umdlali ngamnye ufumana amathuba ama-6. Gqibezela itshathi yamanqaku.

Four friends were playing darts. Each player got 6 chances. Complete the score chart.




| | 10 | 5 | 2 | itotali<br>total |
|---|---|---|---|---|
| Yusuf | 2 | 1 | 3 | |
| Njongo | 2 | 3 | 1 | |
| Lebo | | 1 | 4 | 23 |
| Ayanda | 3 | | 0 | 45 |

**9** Sombulula.

Solve.

Kukho iibhokisi zamaqanda ezili-10. Ibhokisi nganye inamaqanda ama-6. Umbhaki usebenzise amaqanda ali-13. Mangaphi amaqanda ashiyekileyo?

There are 10 boxes of eggs. Each box has 6 eggs in it. The baker uses 13 eggs. How many eggs are left?

47 amaqanda

eggs

Iklasi ibinosuku lwepitsa namhlanje. Sithenge iipitsa ezili-10 saze sasika ipitsa nganye yanamaqhekeza ama-6. Mangaphi amaqhekeza epitsa ebesinawo?

The class had a pizza day. We bought 10 pizzas and cut each pizza in 6 slices. How many slices did we have altogether?

☐ amaqhekeza epitsa

pizza pieces



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# Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

## 1 Bulula.
Solve.

| | | | |
|---|---|---|---|
| 2 x 6 = ____ | 2 x 10 = ____ | 10 x 1 = ____ | 10 x 9 = ____ |
| 2 x 4 = ____ | 8 x 10 = ____ | 4 x ____ = 24 | 9 + 9 = ____ x 9 |

## 2 ULebo unezitikha ezingama-24. Loluphi olunye uhlobo ezinokucwangciswa ngalo izitikha zakhe.
Lebo has 24 stickers. What other array could his stickers be arranged in?

____ x ____ = ____

____ x ____ = ____

## 3 UJabu unoojuphujuphu abali-16. Zoba izicwangcisomanani ezi-2 ezahlukileyo anokuzenza acwangcise kuzo oojuphujuphu bakhe.
Jabu has 16 jelly babies. Draw 2 separate arrays that she could arrange her jelly babies in.

## Masithethe ngeMaths!
**Let's talk Maths!**

| NgesiXhosa sithi: | In English we say: |
|---|---|
| isiphumo | product |
| isibini | pair |
| phindaphinda | multiply |
| phinda kabini | double |
| inani elingekhoyo | missing number |



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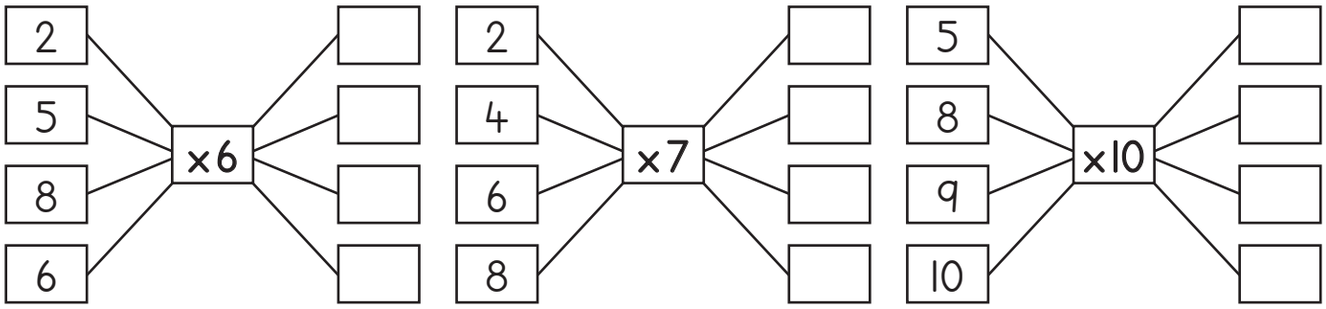
## 1 Gqibezela.

Complete.




## 2 Sombulula.

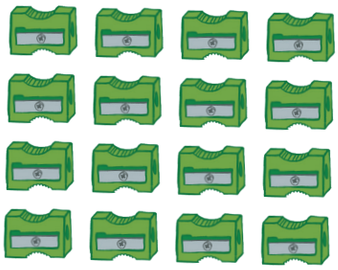
Solve.

UAyanda upakisha iikhrayoni zakhe ebhokisini. Angafaka imiqolo emi-3 yeekhrayoni ezisi-8. Zingaphi iikhrayoni ezinokungena ebhokisini yakhe?

Ayanda packs her crayons in a box. She can fit 3 rows of 8 crayons. How many crayons can fit in her box?

Bhala izivakalisi manani ezi-2.

Write 2 multiplication sentences.



_____ × _____ = _____

_____ × _____ = _____

Zingaphi iitsheri ezikhoyo?

How many cherries are there?

Iziqhuma ezisi-8?

8 bunches?

_____ × _____ = _____

Iziqhuma ezi-8?

6 bunches?

_____ × _____ = _____

Bhala izivakalisi zophindaphindo ezi-2.

Write 2 multiplication sentences.

_____ × _____ = _____

_____ × _____ = _____



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IVEKI • WEEK 5

**USUKU 1 • DAY 1**

# Phindaphinda nge-10
Multiply by 10

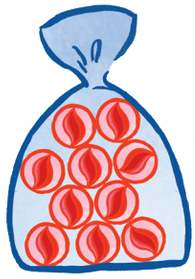
IZIBALO ZENTLOKO MENTAL MATHS | NDINIKE NGAPHEZULU GIVE ME MORE THAN → UMDLALO GAME → UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA WORKSHEETS

## Umdlalo: IMaths ekhawulezayo ngamaKhadi – dibanisa
Game: Fast maths with cards – add

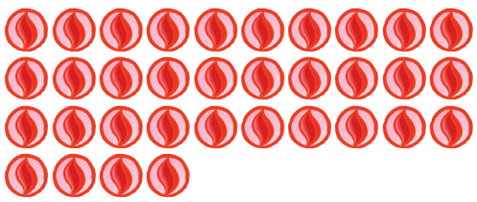
- Dlalani ngababini. Bonisa inani ngoonotsheluza bakho.
  Play in pairs. Show a number using your flard cards.
- Phosa idayisi – dibanisa!
  Throw a dice – add!
- Phinda kwakhona!
  Do it again!

## 1 Ingxowa enye inamapetyu alishumi.
One bag has ten marbles.

| iingxowa bags | amapetyu marbles | iingxowa bags | amapetyu marbles |
|---|---|---|---|
| 9 | 90 | 6 | |
| 4 | | 8 | |
| 2 | | 11 | |
| 12 | | 3 | |



| | |
|---|---|
| Mangaphi amapetyu? How many marbles? | 17 |
| Zingaphi iingxowa? How many bags? | 1 |
| Mangaphi amapetyu ashiyekileyo? How many marbles left over? | 7 |



| | |
|---|---|
| Mangaphi amapetyu? How many marbles? | |
| Zingaphi iingxowa? How many bags? | |
| Mangaphi amapetyu ashiyekileyo? How many marbles left over? | |



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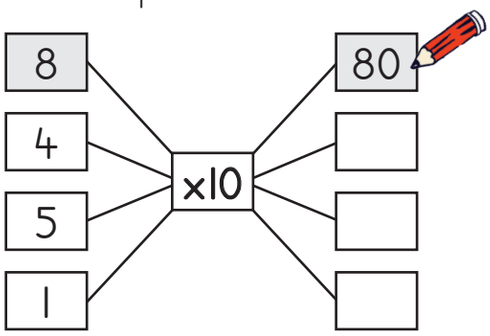
| | |
|---|---|
| Mangaphi amapetyu?<br>How many marbles? | |
| Zingaphi iingxowa?<br>How many bags? | |
| Mangaphi amapetyu ashiyekileyo?<br>How many marbles left over? | |

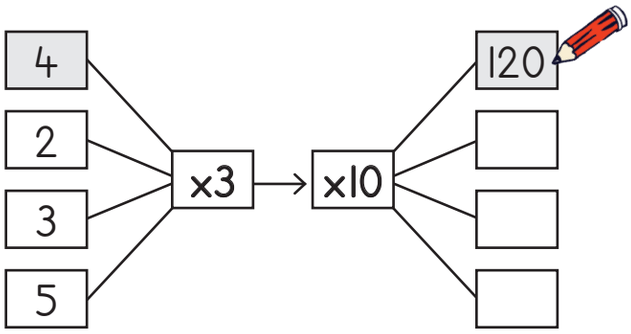
## 2 Gqibezela ezi tshathi.

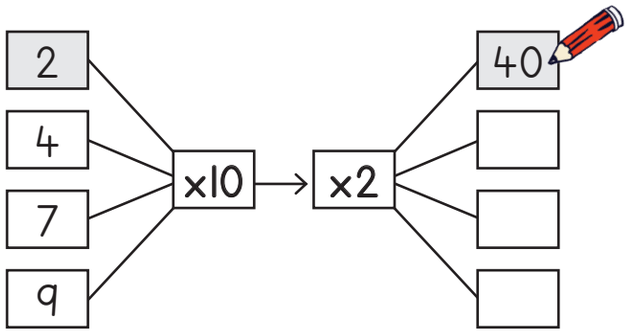
Complete the flow charts.




**Qwalasela ezi flowu dayagramz zilandealayo! Zineendlela ezimbini zokulandelwa ekubaleni.**

Take care with the flow diagrams below! They have two steps in the calculation.




## 3 Bala.

Calculate.

| | | |
|---|---|---|
| 4 x 10 = 40 | 4 x 2 x 10 = _____ | 4 x 3 x 10 = _____ |
| 2 x 10 = _____ | 2 x 2 x 10 = _____ | 4 x 3 x 10 = _____ |
| 3 x 10 = _____ | 3 x 10 x 2 = _____ | 3 x 10 x 3 = _____ |
| 5 x 10 = _____ | 5 x 10 x 2 = _____ | 5 x 10 x 3 = _____ |
| 7 x 10 = _____ | 7 x 10 x 2 = _____ | 7 x 10 x 3 = _____ |
| 9 x 10 = _____ | 9 x 10 x 2 = _____ | 9 x 10 x 3 = _____ |



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# Phindaphinda ngo-0
## Multiply by 0

IZIBALO ZENTLOKO – MENTAL MATHS → NDINIKE NGAPHEZULU – GIVE ME MORE THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

**1** Xa siphindaphinda inani ngonothi, isiphumo sisoloko singu_____.

When we multiply a number by zero, the answer is always _____.

Amaqela alishumi oonothi, okanye amaqela angekhoyo amashumi athetha ukuba akukho maqela.

Ten groups of zero or zero groups of ten means we have zero altogether.

**2** Bala.

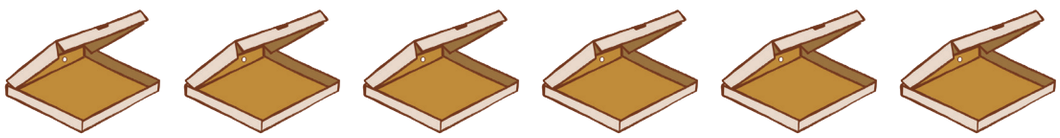
Calculate.

| | | |
|---|---|---|
| 0 x 5 = 0 | 4 x 10 = ____ | 0 x 3 = ____ |
| 7 x 10 = ____ | 8 x 0 = ____ | 10 x 4 = ____ |
| 0 x 2 = ____ | 0 x 10 = ____ | 8 x 10 = ____ |
| 0 x 0 = ____ | 9 x 0 = ____ | 0 x 8 = ____ |

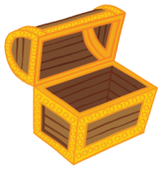
**3** Bhala isivakalisi sophindaphindo sihambelane nale mifanekiso.

Write a multiplication sentence to match the pictures.

5 x 0 = 0



____ x ____ = ____



____ x ____ = ____

____ x ____ = ____



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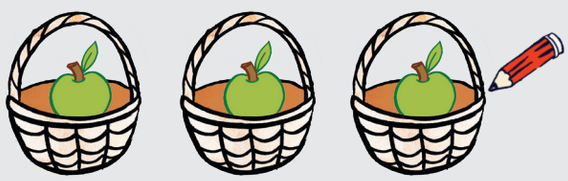
## 4 Fakela <, > okanye =.

Fill in < , > or =.

| | | |
|---|---|---|
| 2 + 2 = 2 x 2 | 2 – 1 ____ 2 x 1 | 1 x 1 ____ 1 + 1 |
| 1 x 0 ____ 1 + 0 | 4 x 10 ____ 2 x 2 x 10 | 5 + 1 ____ 5 x 1 |

## 5 Zoba ama-apile engobozini ukuze ahambelane nesivakalisi sophindaphindo.

Draw apples in the basket to match the multiplication sentence.



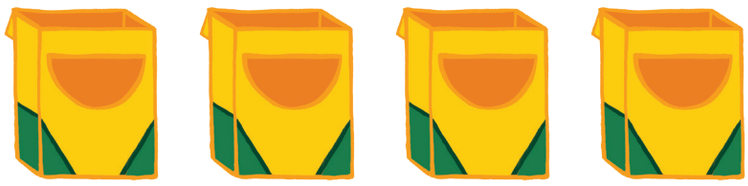
3 x 1 = 3

3 x 0 = 0

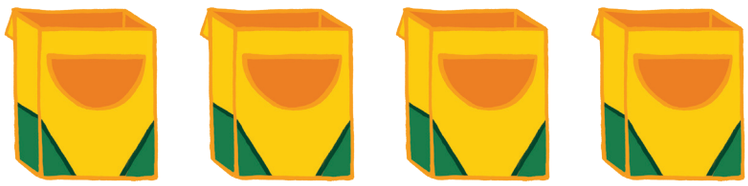
## 6 Zoba iikhrayoni ebhokisini zihambelane nesivakalisi manani.

Draw crayons in the box to match the number sentence.

1 x 4 = ____



4 x 1 = ____



4 x 0 = ____



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# Fumana inani elingekhoyo
## Find the missing number

IZIBALO ZENTLOKO – MENTAL MATHS → NDINIKE NGAPHEZULU – GIVE ME MORE THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

**1** Sebenzisa itheyibhile yakho yophindaphindo ukuze ufumane inani elingekhoyo.

Use your multiplication table to find the missing number.

| | | |
|---|---|---|
| 5 x 4 = 20 | 3 x 6 = 18 | 5 x ____ = 25 |
| 5 x ____ = 45 | 2 x ____ = 14 | ____ x 7 = 35 |
| ____ x 7 = 28 | 9 x ____ = 36 | 8 x ____ = 32 |
| 8 x ____ = 0 | 4 x ____ = 16 | 10 x ____ = 70 |
| ____ x 5 = 30 | 6 x ____ = 54 | ____ x 8 = 80 |

**2** Bhala isivakalisi manani sophindaphindo senani elifihliweyo.

Write the multiplication number sentence for the hidden number.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 6 | 12 | 18 | 24 | | 36 | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | | 28 | 35 | 42 | 49 | 56 | | 70 |
| 8 | 8 | 16 | 24 | 32 | 40 | | 56 | 64 | 72 | 80 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

3 x 7 = 21

_____

_____

_____

_____

_____



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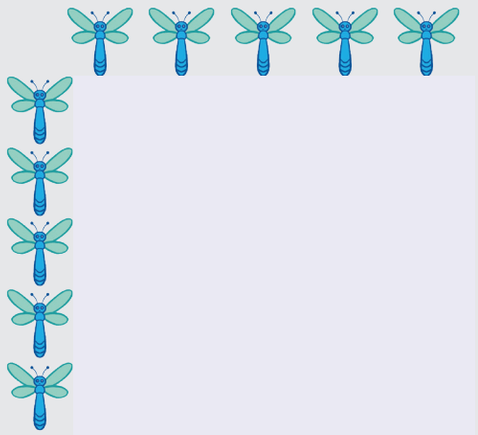
**3** Mangaphi akhoyo?
How many are there?

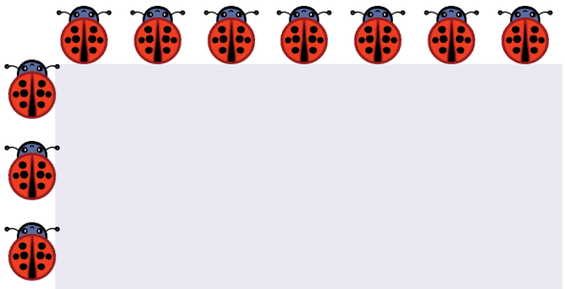


5 × 5 = 25

Zinga ezikhoyo?
How many are there?

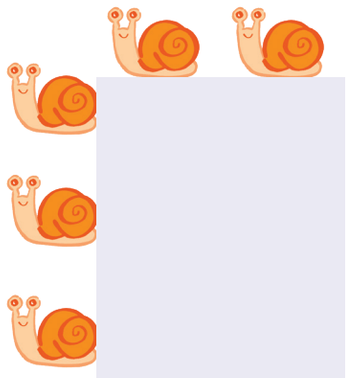
____ × ____ = ____

Bangaphi abakhoyo?
How many are there?



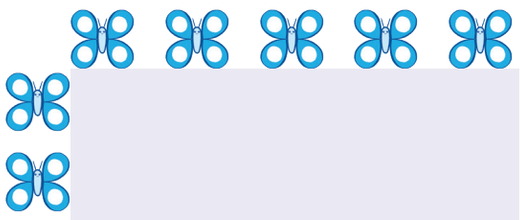
____ × ____ = ____

Manga akhoyo?
How many are there?



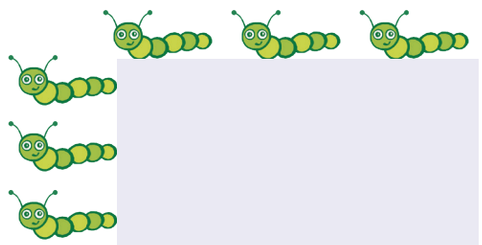
____ × ____ = ____

Mangaphi akhoyo?
How many are there?



____ × ____ = ____

Mingaphi ekhoyo?
How many are there?



____ × ____ = ____



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# Ezinye iipatheni zophindaphindo
## More multiplication patterns

IZIBALO ZENTLOKO (MENTAL MATHS) — NDINIKE NGAPHEZULU (GIVE ME MORE THAN) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

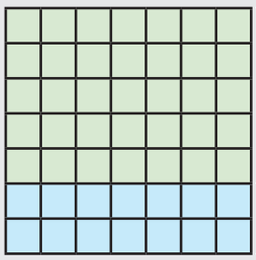
**1** Yahlula izicwangcisomanani ngeendlela ezahlukileyo ukuze ubale.

Spilt the arrays in different ways to calculate.

$7 \times 7 = (5 \times 7) + (2 \times 7)$

$= 35 + 14$

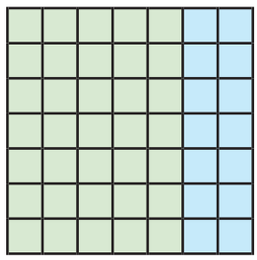
$= 49$




$7 \times 7 =$ _____ + _____

$=$ _____

$=$ _____

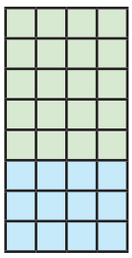


$8 \times 4$

$=$ _____ + _____

$=$ _____

$=$ _____

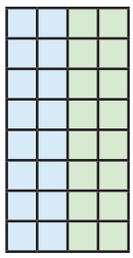


$8 \times 4$

$=$ _____ + _____

$=$ _____

$=$ _____

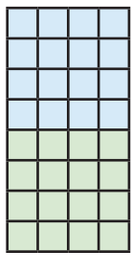


$8 \times 4$

$=$ _____ + _____

$=$ _____

$=$ _____

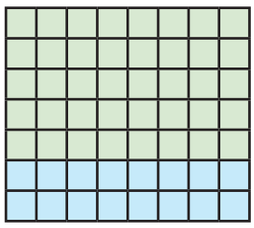


$8 \times 8$

$=$ _____ + _____

$=$ _____

$=$ _____

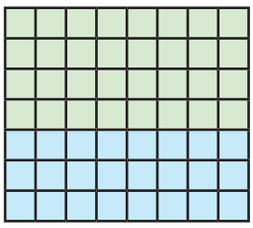


$8 \times 8$

$=$ _____ + _____

$=$ _____

$=$ _____

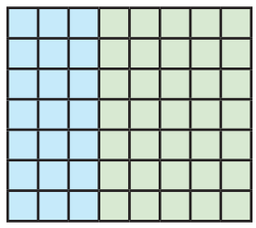


$8 \times 8$

$=$ _____ + _____

$=$ _____

$=$ _____





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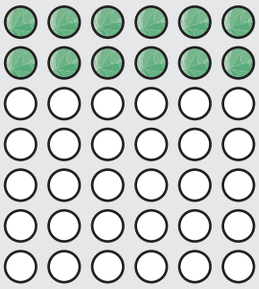
## 2 Ungalucazulula njani ucwangcisomanani ngalunye ukuze kube lula ukuphindaphinda? Fakela umbala uze ubhale isivakalisi manani.

How would you break up each array to make it easier to multiply? Colour in the dots and write a number sentence.

### 7 x 6

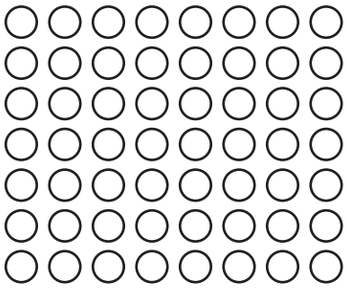


7 x 6 = (2 x 6) + (5 x 6)

= 12 + 30

= 42

### 7 x 8

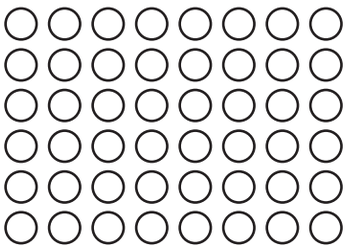


7 x 8 = _____ + _____

= _____

= _____

### 6 x 8

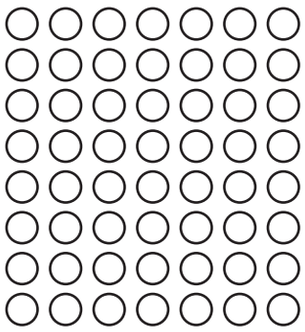


6 x 8 = _____ + _____

= _____

= _____

### 9 x 7



9 x 7 = _____ + _____

= _____

= _____



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# Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

## 1 Krwela umgca odibanisa izivakalisi manani ezineziphumo ezifanayo.
Draw a line between number sentences that have the same answer.

| | |
|---|---|
| 3 x 6 | 4 x 9 |
| 4 x 7 | 7 x 8 |
| 9 x 4 | 6 x 3 |
| 8 x 7 | 8 x 5 |
| 1 x 9 | 7 x 4 |
| 5 x 8 | 9 x 1 |

## 2 Fumana inani elingekhoyo.
Find the missing number.

| | |
|---|---|
| ____ x 6 = 18 | 7 x ____ = 35 |

## 3 Zoba ucwangcisomanani ubonise oku:
Draw an array diagram to show these:

| 3 x 3 | 4 x 5 |
|---|---|
| | |

## Masithethe ngeMaths!
**Let's talk Maths!**

| NgesiXhosa sithi: | In English we say: |
|---|---|
| amaqela alinganayo | equal groups |
| phindaphinda | multiply |
| phindaphinda | times |
| uphindaphindo | multiplication |
| isiphumo | product |



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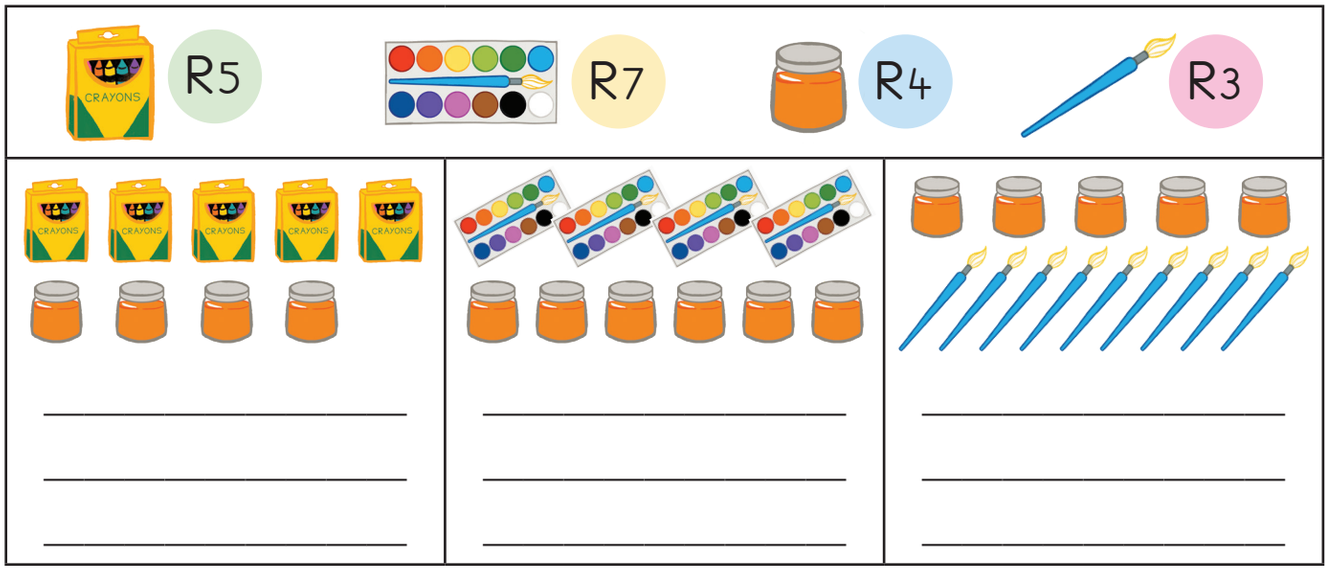
**1**

| | isivakalisi sophindaphindo<br>multiplication sentence | | isivakalisi sophindaphindo<br>multiplication sentence |
|---|---|---|---|
| amaqela ama-3 ezi-8<br>3 groups of 8 | | amaqela ama-5 ezi-7<br>5 groups of 7 | |
| amaqela asi-8 ezi-3<br>8 groups of 3 | | amaqela asi-7 ezi-5<br>7 groups of 5 | |
| amaqela asi-9 ezi-2<br>9 groups of 2 | | amaqela ama-4 ezi-6<br>4 groups of 6 | |
| amaqela ama-2 e-9<br>2 groups of 9 | | amaqela ama-6 ezi-4<br>6 groups of 4 | |
| amaqela ama-5 oo-1<br>5 groups of 1 | | amaqela asi-7 oo-0<br>7 groups of 0 | |
| iqela eli-1 lesi-5<br>1 group of 5 | | amaqela a-0 ezi-7<br>0 groups of 7 | |

**2** Bala ixabiso.

Calculate the cost.



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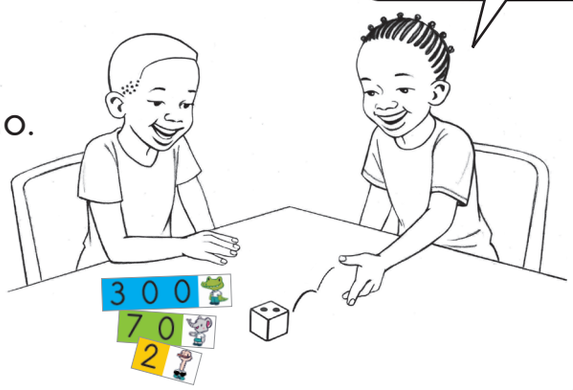
# Izangqa
Circles

IZIBALO ZENTLOKO – MENTAL MATHS | NDINIKE ELINGAPHANTSI NGO- – GIVE ME LESS THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

## Umdlalo: IMath ekhawulezayo ngamakhadi – thabatha
Game: Fast maths with cards – subtract

- Dlalani ngababini.
  Play in pairs.
- Veza inani ngoonotsheluza bakho.
  Show a number using your flard cards.
- Phosa idayisi – thabatha.
  Throw the dice – subtract.
- Phosa kwakhona!
  Do it again!



**Namhlanje siza kusebenza ngezangqa. Zingqukuva yaye zinomphetho omnye.**
Today we are working with circles. They are round and have only one edge.

**Gcina imisiko yakho yezangqa endaweni ekhuselekileyo.**
Keep your cut out shapes in a safe place.

## 1 Sika izangqa ezingasemva encwadini yakho.
Cut out the circles from the back of your book.

| | |
|---|---|
| Zingaphi onazo?<br>How many do you have? | |
| Zinombala onjani?<br>What colour are they? | |

## 2 Zoba izangqa kule theyibhile.
Draw circles in the table.

| isangqa esikhulu<br>big circle | isangqa esincinane<br>smaller circle | isangqa esincinci<br>small circle |
|---|---|---|
| | | |



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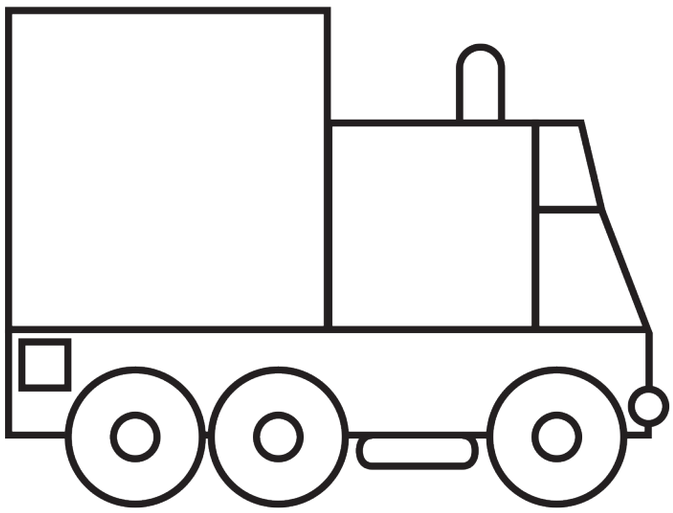
## 3 Zoba izangqa kule theyibhile.

Draw circles in the table.

| isangqa esiphezulu<br>circle at the top | isangqa esisembindini<br>circle in the middle | isangqa esisezantsi<br>circle at the bottom |
|---|---|---|
| | | |

## 4 Zingaphi izangqa ezikulo mfanekiso?

How many circles in this picture?



## 5 Zoba umfanekiso usebenzise izangqa ezili-10.

Draw a picture using 10 circles.



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# Oonxantathu
## Triangles

IZIBALO ZENTLOKO
MENTAL MATHS

NDINIKE ELINGAPHANTSI NGO-
GIVE ME LESS THAN

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

**Namhlanje siza kusebenza ngoonxantathu! Banamacala ama-3. Bangaba bakhulu okanye babe bancinci.**

Today we are working with triangles!
They have 3 straight sides.
They can be big or small.

**Gcina imisiko yakho yeemilo endaweni ekhuselekileyo.**

Keep your cut out shapes in a safe place.

## 1 Sika oonxantathu abangasemva encwadini yakho.

Cut out the triangles from the back of your book.

| | |
|---|---|
| Bangaphi onabo?<br>How many do you have? | |
| Banemibala enjani?<br>What colour are they? | |

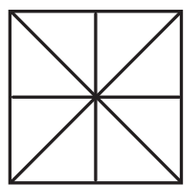
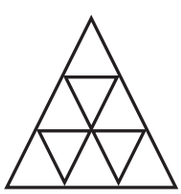
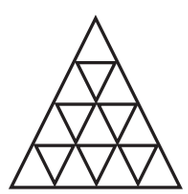
## 2 Zoba oonxantathu kule theyibhile.

Draw triangles in the table.

| unxantathu omkhulu<br>big triangle | unxantathu omncinane<br>smaller triangle | unxantathu omncinci<br>small triangle |
|---|---|---|
| | | |

## 3 Bangaphi oonxantathu?

How many triangles?

| | |
|---|---|
| oonxantathu aba-5<br>5 triangles | oonxantathu aba-_____<br>___ triangles  |
| oonxantathu aba-_____<br>___ triangles  | oonxantathu aba-_____<br>___ triangles  |



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## 4 Zoba oonxantathu aba-5. Mabohluke bangafani.

Draw 5 triangles. They must all look different.

**Zoba oonxantathu abangalinganiyo, abanemibala eyahlukeneyo nabakwiindawo ezahlukeneyo.**

Draw them in different sizes, colours and orientations.

| | |
|---|---|
| Mangaphi amacala kanxantathu ngamnye?<br>How many sides does each triangle have? | |
| Ingaba la macala athe tse okanye angqukuva?<br>Are the sides straight or round? | |
| Zingaphi iikona anazo unxantathu ngamnye?<br>How many corners does each triangle have? | |



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# Izikwere
## Squares

IZIBALO ZENTLOKO – MENTAL MATHS | NDINIKE ELINGAPHANTSI NGO- – GIVE ME LESS THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

**Namhlanje siza kusebenza ngezikwere. Zinamacala ama-4 athe tse anobude obulinganayo neekona ezi-4.**

Today we are working with squares! They have 4 straight sides that are the same length and 4 square corners.

**Gcina imisiko yakho yeemilo endaweni ekhuselekileyo.**

Keep your cut out shapes in a safe place.

## 1 Sika izikwere ezingasemva encwadini yakho.

Cut out the squares from the back of your book.

| | |
|---|---|
| Zingaphi onazo?<br>How many do you have? | |
| Zinemibala enjani?<br>What colour are they? | |

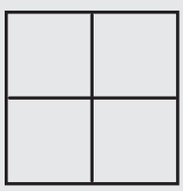
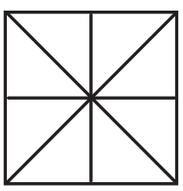
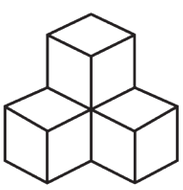
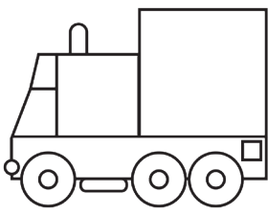
## 2 Zoba izikwere kule theyibhile.

Draw squares in the table.

| isikwere esikhulu<br>big square | isikwere esincinane<br>smaller square | isikwere esincinci<br>small square |
|---|---|---|
| | | |

## 3 Zingaphi izikwere?

How many squares?

| | |
|---|---|
| izikwere ezi-5<br>5 squares  | izikwere ezi-_____<br>___ squares  |
| izikwere ezi-_____<br>___ squares  | izikwere ezi-_____<br>___ squares  |



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## 4 Sebenzisa irula uzobe izikwere ezine ezahlukileyo:

Use a ruler to draw four different squares:

esinamacala amade-4 cm.
with 4 cm long sides.

esinamacala amade-5 cm.
with 5 cm long sides.

esinamacala amade-6 cm.
with 6 cm long sides.

esinamacala amade-3 cm.
with 3 cm long sides.

| | |
|---|---|
| Sinamacala amangaphi isikwere ngasinye?<br>How many sides does each square have? | |
| Ingaba la macala athe tse okanye angqukuva?<br>Are the sides straight or round? | |
| Ingaba isikwere ngasinye sineekona ezingaphi?<br>How many corners does each square have? | |



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# Iingxande
Rectangles

IZIBALO ZENTLOKO
MENTAL MATHS

NDINIKE ELINGAPHANTSI NGO-
GIVE ME LESS THAN

UMDLALO
GAME

UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

AMAPHEPHA OKUSEBENZELA
WORKSHEETS

**Namhlanje siza kusebenza ngeengxande! Uxande lunamacala ama-4 athe tse neekona ezi-4. Amacala amabini ajongeneyo ayalingana ngobude.**

Today we are working with rectangles! A rectangle has 4 straight sides and 4 square corners. The opposite pairs of side are equal in length.

**Gcina imisiko yakho yeemilo endaweni ekhuselekileyo.**

Keep your cut out shapes in a safe place.

## 1 Sika iingxande ezingasemva encwadini yakho.

Cut out the rectangles from the back of your book.

| | |
|---|---|
| Zingaphi onazo?<br>How many do you have? | |
| Zinemibala enjani?<br>What colour are they? | |

## 2 Zoba iingxande kule theyibhile.

Draw rectangles in the table.

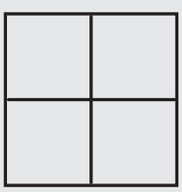
| uxande olukhulu<br>big rectangle | uxande oluncinane<br>smaller rectangle | uxande oluncinci<br>small rectangle |
|---|---|---|
| | | |

## 3 Zingaphi iingxande?

How many rectangles?

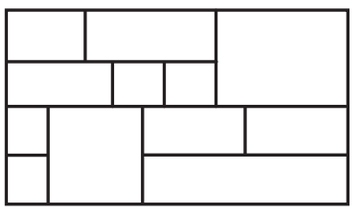
iingxande ezili-<u>9</u>

<u>9</u> rectangles



iingxande ezi-_____

___ rectangles



**Khumbula ukuba zonke izikwere ziziingxande kodwa ayizizo zonke iingxande ezizikwere.**

Remember all squares are rectangles but not all rectangles are squares.

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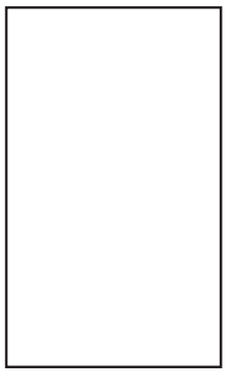
4

## Linganisela ubude bamacala eengxande.

Measure the lengths of the sides of the rectangles.



## Sebenzisa irula uzobe iingxande ezimbini ezahlukeneyo:

Use a ruler to draw two different rectangles:

- ubude obuzii-6 cm nobubanzi obuzii-4 cm
  6 cm long and 4 cm wide
- ubude obuzii-3 cm nobubanzi obuzii-2 cm
  3 cm long and 2 cm wide

| | |
|---|---|
| Lunamacala amangaphi uxande ngalunye?<br>How many sides does each rectangle have? | |
| Ingaba amacala athe tse okanye angqukuva?<br>Are the sides straight or round? | |
| Luneekona ezingaphi uxande ngalunye?<br>How many corners does each rectangle have? | |



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# Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

## 1 Biyela ngesangqa iimilo ezinamacala athe tse.
Circle which of these shapes have straight sides.

| isikwere<br>square | isangqa<br>circle | uxande<br>rectangle | unxantathu<br>triangle |
|---|---|---|---|

## 2 Zoba izangqa ezithathu ezingalinganiyo ngobukhulu.
Draw three circles that are different sizes.

## 3 Zoba ezi milo usebenzise irula yakho.
Use a ruler to draw these shapes.

- isikwere esinamacala anobude azii-3 cm
  a square with sides of 3 cm
- uxande olunamacala anobude obuzii-5 cm nobubanzi ozii-4 cm
  a rectangle that is 5 cm long and 4 cm wide

## Masithethe ngeMaths!
**Let's talk Maths!**

| NgesiXhosa sithi: | In English we say: |
|---|---|
| imilo | shape |
| isangqa | circle |
| unxantathu | triangle |
| isikwere | square |
| uxande (irekthengile) | rectangle |
| amacala athe tse | straight sides |
| amacala angqukuva | round sides |
| iengile | angle |



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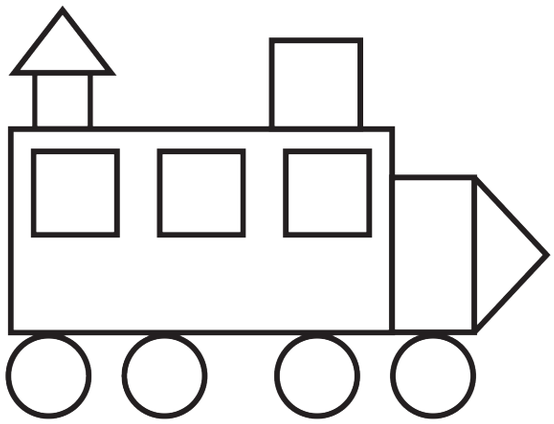
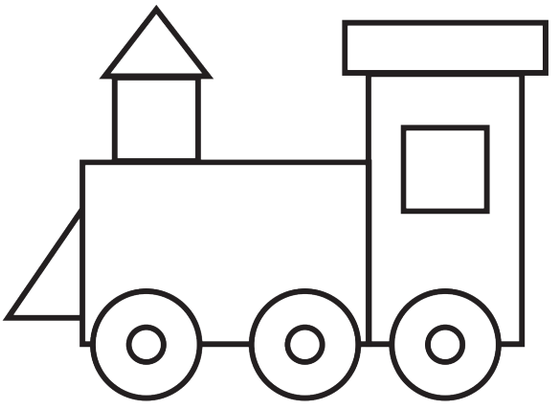
## 1 Zingaphi?

How many?

| | | |
|---|---|---|
|  | oonxantathu<br>triangles | |
| | izangqa<br>circles | |
| | izikwere<br>squares | |
| | iingxande<br>rectangles | |
|  | oonxantathu<br>triangles | |
| | izangqa<br>circles | |
| | izikwere<br>squares | |
| | iingxande<br>rectangles | |

## 2 Zoba iimilo ukuze uzalise le theyibhile.

Draw shapes to complete the table.

| imilo<br>shape | umbala owahlukileyo<br>different colour | ubukhulu obahlukileyo<br>different size | indawo eyahlukileyo<br>different position |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |



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IVEKI • WEEK 7

**USUKU 1 • DAY 1**

# Hlela uze uthelekise iimilo ezine-2D
Sort and compare 2-D shapes

IZIBALO ZENTLOKO
MENTAL MATHS

FIZZ POP – YAHLULA KUBINI
FIZZ POP – HALVE

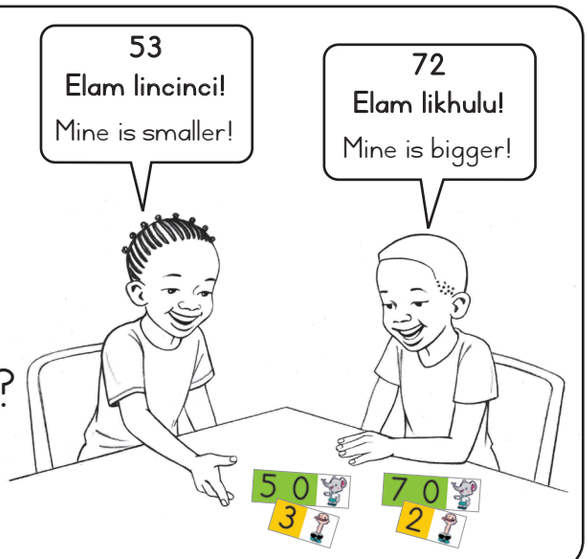
→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## Umdlalo: 1, 2, 3 Veza – thelekisa!
Game: 1, 2, 3 Show – compare!

- Sebenzani ngababini.
  Veza inani ngoonotsheluza.
  Work in pairs. Show a number using flard cards.
- Leliphi inani? Leliphi elikhulu?
  What number? Which one is bigger?
- Leliphi elincinane? Kangakanani?
  Which one is smaller? How much?
- Phinda kwakhona!
  Do it again!




**1**

| imilo<br>shape | igama<br>name | Zingaphi iikona?<br>How many corners? | Mangaphi amacala?<br>How many sides? |
|---|---|---|---|
| | unxantathu<br>triangle | 3 | 3 |
| | | | |
| | | | |
| | | | |



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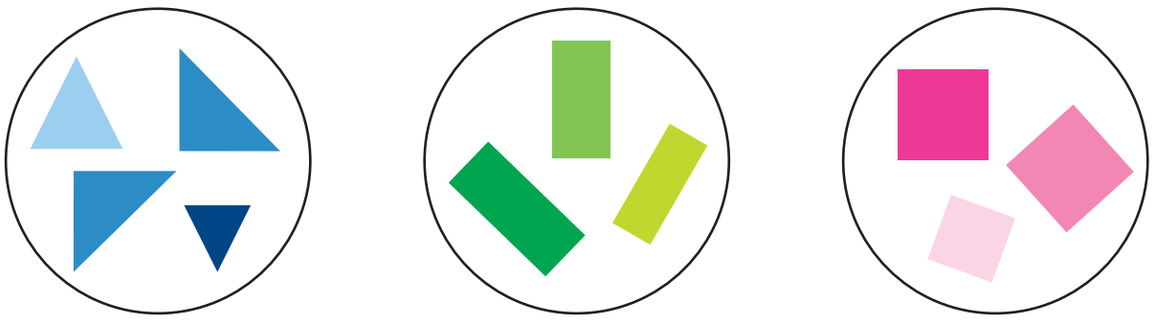
## 2 Zihlelwe njani ezi milo? Xoxa neqabane lakho.

How have these shapes been sorted? Discuss with your partner.



## 3 Khangela oonxantathu, izangqa, izikwere neengxande ezinobukhulu obahlukeneyo kwimagazini okanye kwiphephandaba uzisike. Ncamathelisa le misiko encwadini yakho. Khangela umfanekiso omnye wemilo nganye.

Find and cut triangles, circles, squares and rectangles of different sizes from a magazine or newspaper. Stick them into your book. Try to find one of each.

| | unxantathu<br>triangle | isangqa<br>circle | isikwere<br>square | uxande<br>rectangle |
|---|---|---|---|---|
| | | | | |
| Mangaphi amacala?<br>How many sides? | 3 | | | |
| Athe tse okanye angqukuva?<br>Straight or round? | athe tse<br>straight | | | |



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# Ulinganomacala (1)
## Symmetry (1)



**1** Ncamathelisa iimilo zakho ezigotyiweyo apha. Treyisa imigca egotyiweyo ubonise imigca yolingnomacala.

Paste your folded shapes here. Trace on the fold lines to show the lines of symmetry.

**Usenokukrwela imigca yolinganomacala kwezi milo!**

You can also draw in the lines of symmetry on these shapes!



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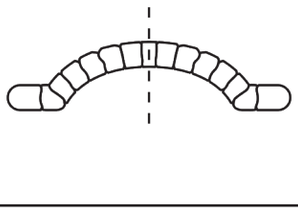
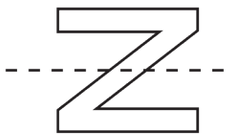
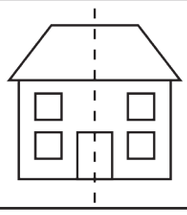
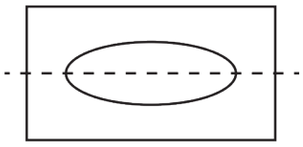
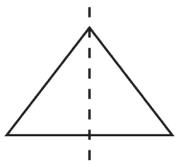
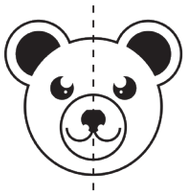
| | | |
|---|---|---|
|  | | |
| ewe<br>yes | hayi<br>no | ewe<br>yes |

Singasebenzisa isipili ukuze sikhangele ulinganomacala. Jonga apha! Ingaba lo mgca ubonisa ulinganomacala?

We can use a mirror to test for symmetry. Look at this! Does the line show a line of symmetry?

## 2 Ingaba lo mgca uchokoziweyo ubonisa umgca wolinganomacala? Bhala ewe okanye hayi.

Does the dotted line show a line of symmetry? Write yes or no.

| | | |
|---|---|---|
| | | |
| ewe<br>yes | | |
| | |  |
| | | |
|  |  |  |
| | | |
|  | | |
| | | |



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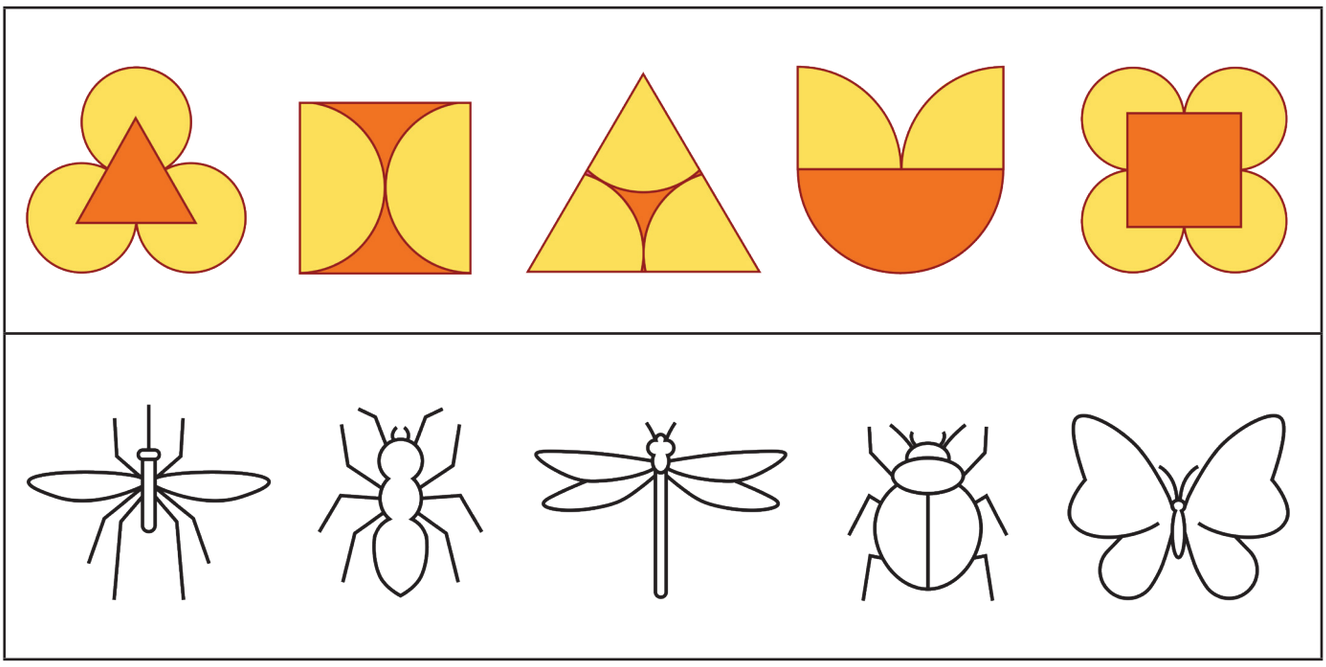
# Ulinganomacala (2)
## Symmetry (2)

IZIBALO ZENTLOKO – MENTAL MATHS | FIZZ POP – YAHLULA KUBINI – FIZZ POP – HALVE → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

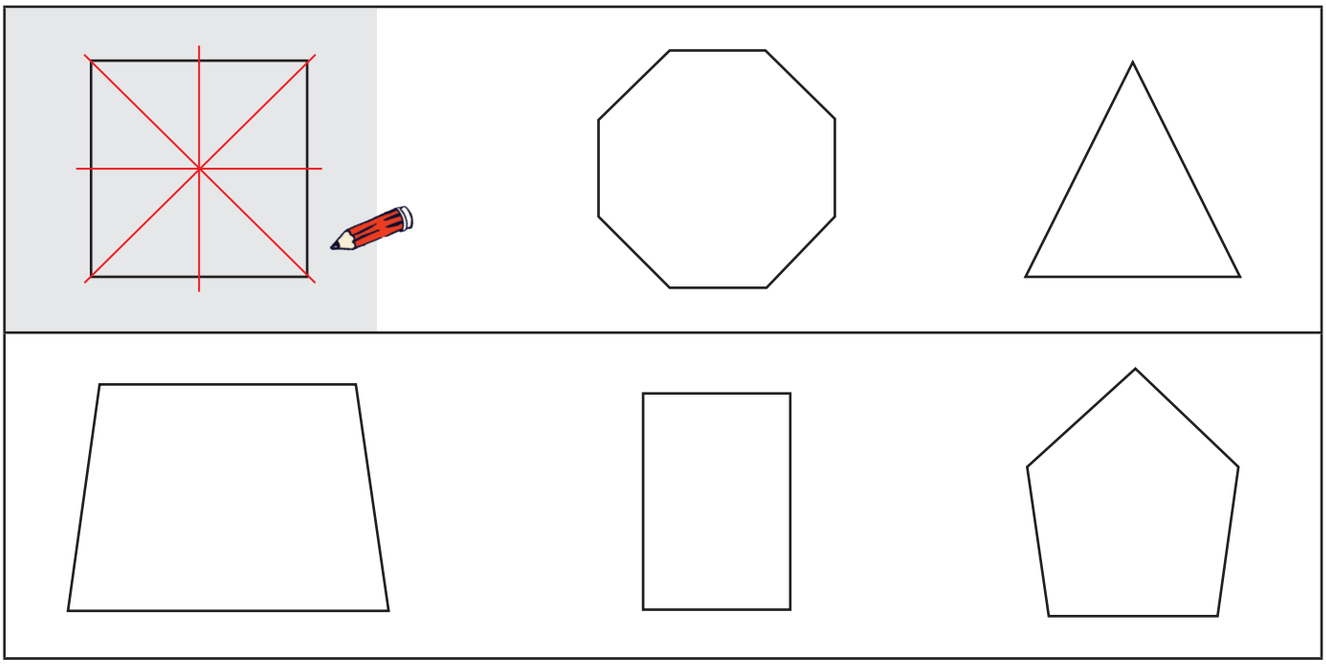
**1** Krwela imigca yolinganomacala emininzi kangangoko kwezi milo.

Draw as many lines of symmetry as you can on these pictures.



**2** Krwela imigca yolinganomacala emininzi kangangoko kwezi milo.

Draw as many lines of symmetry as you can on these shapes.





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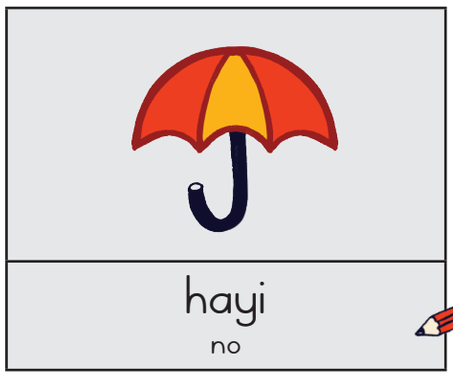
**Phendula imibuzo engezi milo zingasezantsi.**

Answer these questions about all the shapes below.

## 3 Ingaba le milo inolinganomacala? ewe/hayi

Is the shape symmetrical? yes/no

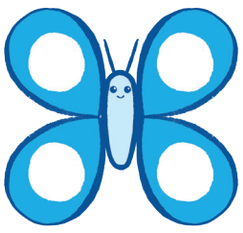


hayi

no

## 4 Krwela imigca yolinganomacala kwiimilo ezinolinganomacala.

Draw the lines of symmetry on the shapes which are symmetrical.

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



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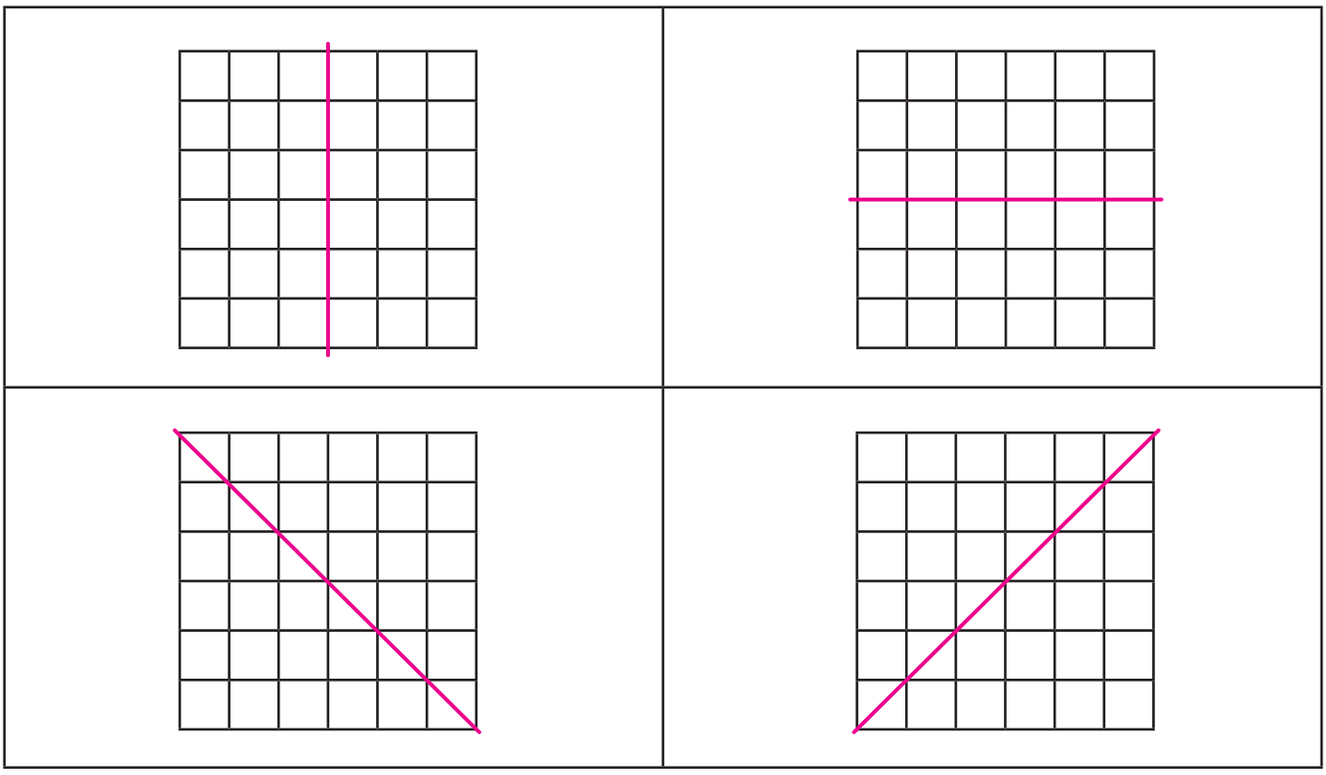
# Ulinganomacala (3)
## Symmetry (3)

IZIBALO ZENTLOKO – MENTAL MATHS | FIZZ POP – YAHLULA KUBINI – FIZZ POP – HALVE → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

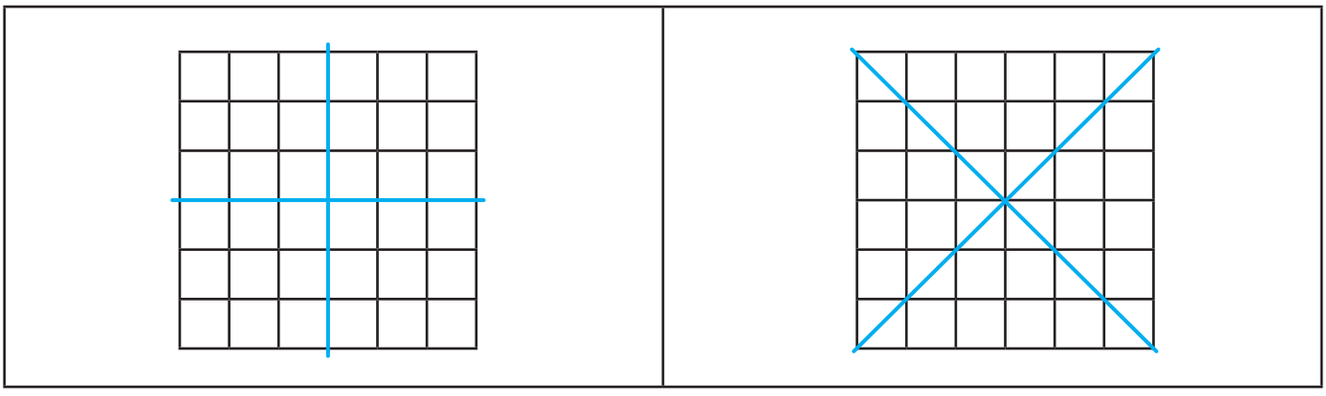
**1** Zoba ipatheni enolinganomacala enomgca wolinganomacala o-1 kwigridi.

Draw a symmetrical pattern with 1 line of symmetry in the grid. Use the given line of symmetry.



**2** Zoba ipatheni enolinganomacala enemigca yolinganomacala emi-2 kwigridi. Sebenzisa imigca yolinganomacala oyinikiweyo.

Draw a symmetrical pattern with 2 lines of symmetry in the grid. Use the given lines of symmetry.

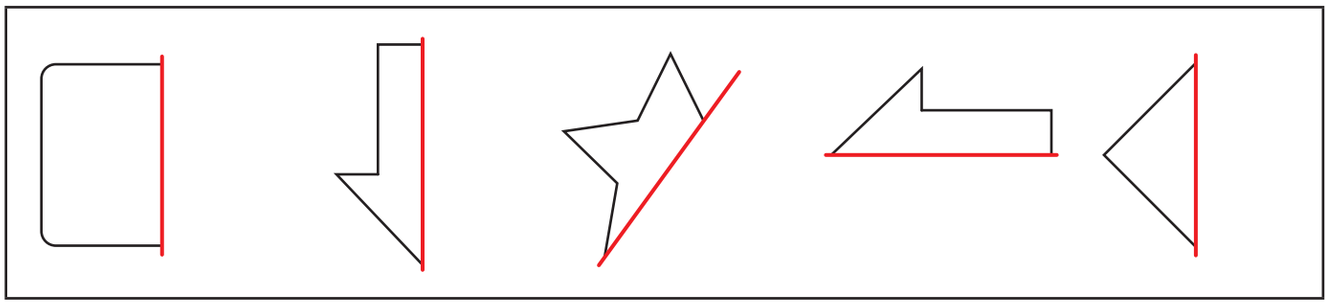




BW Gr3 Xhosa LAB T2_V2_PRINT.indb 68 2023/03/03 08:56:26

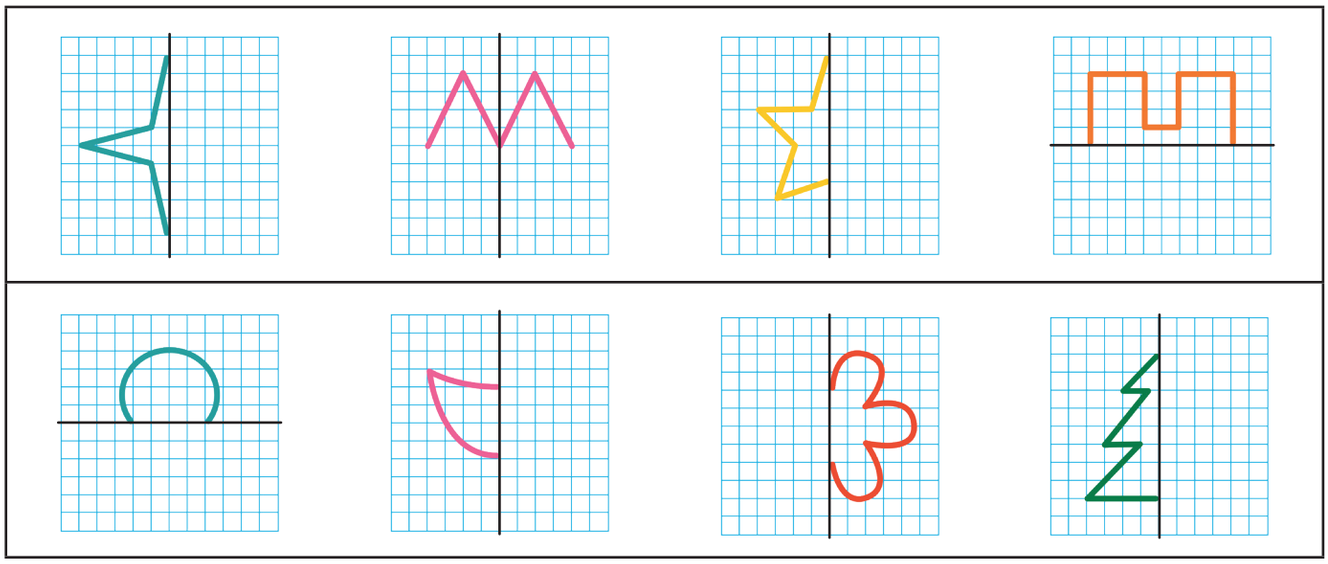
## 3 Gqibezela ezi milo. Umgca okhoyo ngumgca wolinganomacala.

Complete the shapes. The line is a line of symmetry.



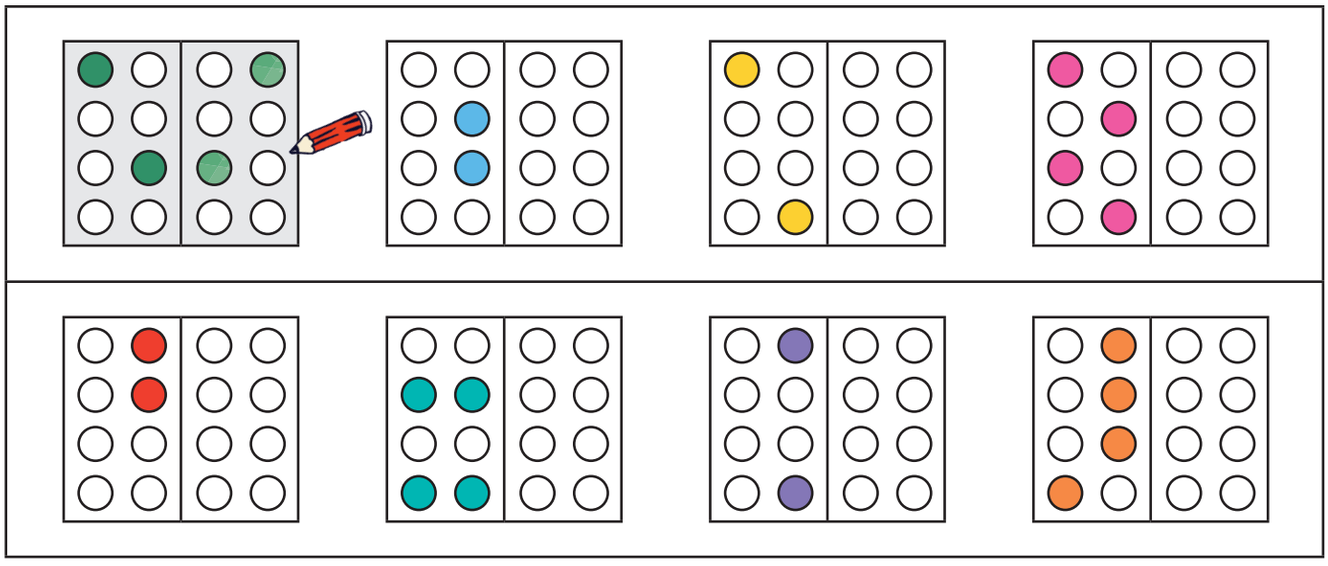
## 4 Gqibezela ezi milo. Umgca ngumgca wolinganomacala.

Complete the shapes. The line is a line of symmetry.



## 5 Umgca omileyo ngumgca wolinganomacala. Yenza amachokoza kwelinye icala.

The vertical line is a line of symmetry. Colour in the dots on the other side.





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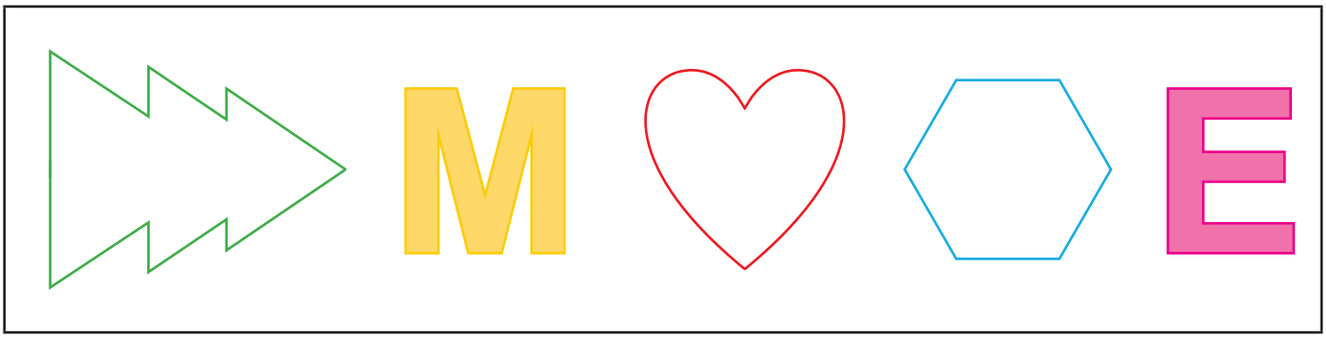
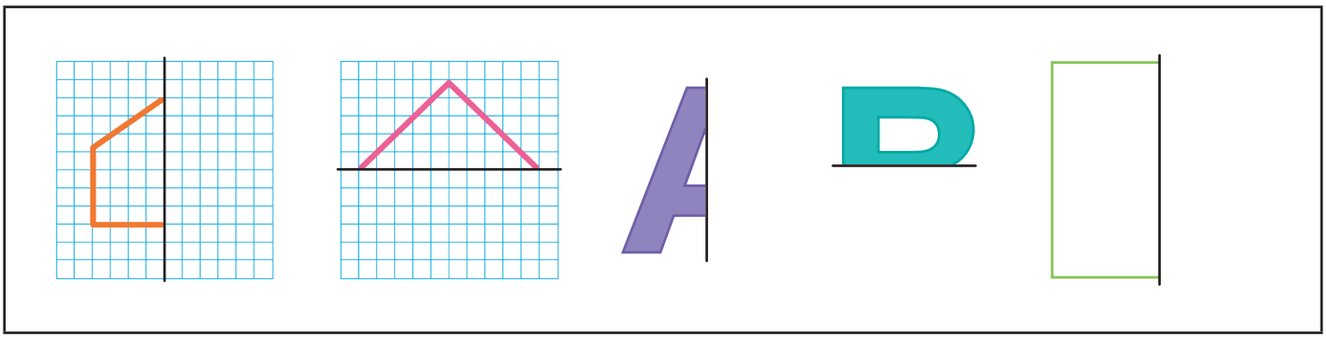
# Uvavanyo noqukaniso
## Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

## 1 Krwela umgca wolinganomacala kwezi milo.
Draw the lines of symmetry on these shapes.




## 2 Gqibezela ezi milo. Umgca ngumgca wolinganomacala.
Complete the shapes. The line is a line of symmetry.



## Masithethe ngeMaths!
**Let's talk Maths!**

| NgesiXhosa sithi: | In English we say: |
|---|---|
| ulinganomacala | symmetry |
| inolinganomacala | symmetrical |
| umgca wolinganomacala | line of symmetry |
| Umgca oxwesileyo uhlanganisa iikona ezimbini ezichaseneyo zemilo. | A diagonal line joins two opposite corners of a shape. |
| imilo | shape |
| isangqa | circle |
| unxantathu | triangle |
| isikwere | square |
| uxande okanye irekthengile | rectangle |



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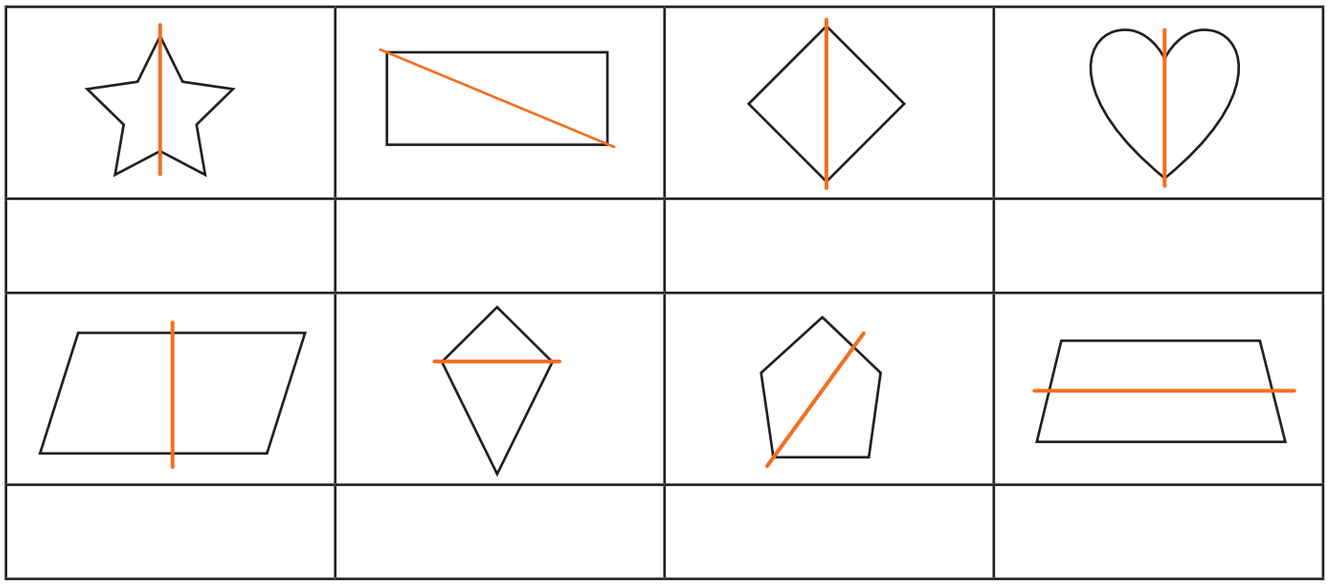
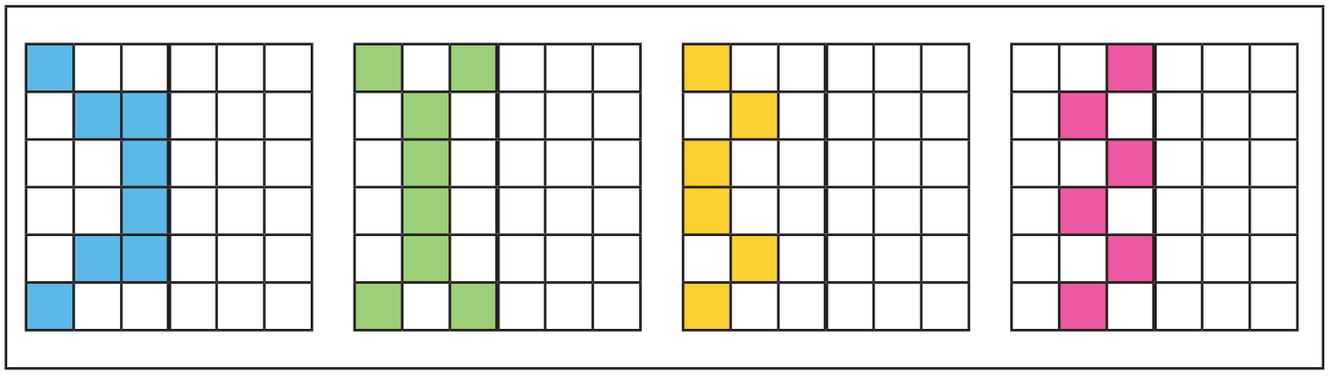
## 1 Ingaba ngumgca wolinganomacala lo? ewe/hayi

Is this a line of symmetry? yes/no



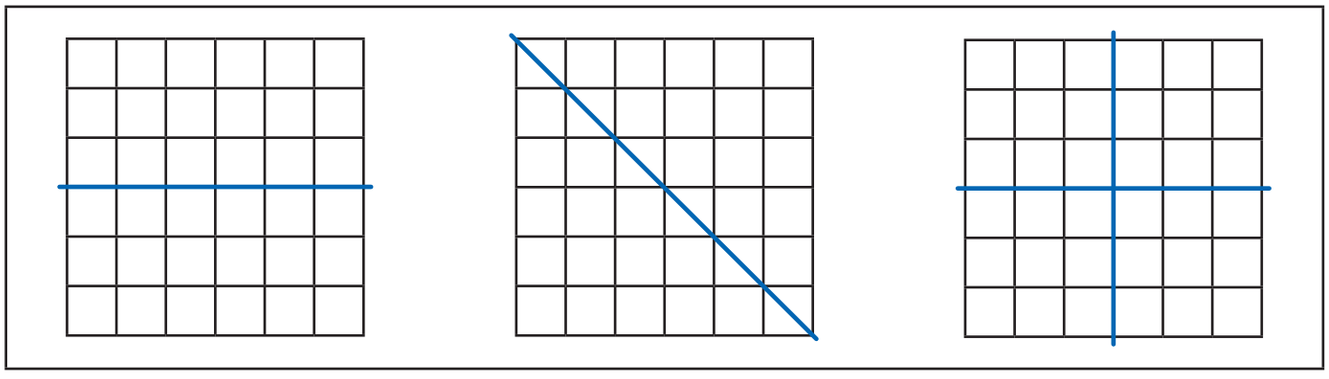
## 2 Fakela umbala kwiibloko ukuze wenze iimilo ezinolinganomacala. Umgca ngumgca wolingano macala.

Colour the blocks to make symmetrical shapes. The line is a line of symmetry.



## 3 Zoba ipatheni enolinganomacala. Sebenzisa umgca wolinganomacala owunikiweyo.

Draw a symmetrical pattern. Use the given line of symmetry.





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IVEKI • WEEK 8

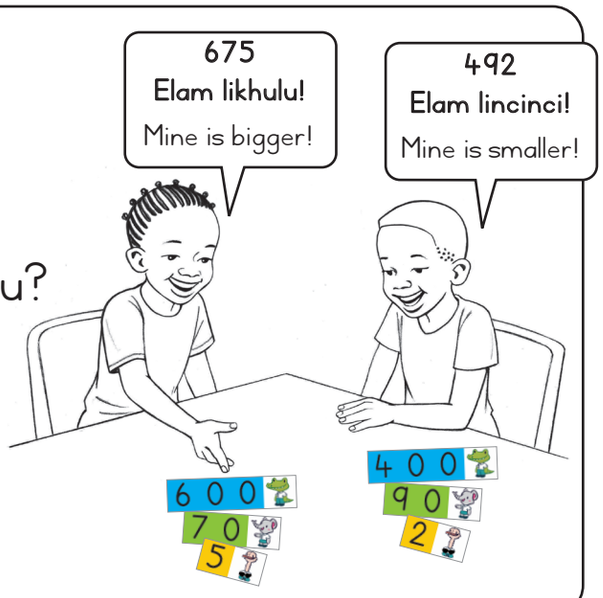
**USUKU 1 • DAY 1**

# Imali yaseMzantsi Afrika
South African money

IZIBALO ZENTLOKO – MENTAL MATHS: FIZZ POP – PHINDA KABINI – FIZZ POP – DOUBLE → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

## Umdlalo: 1, 2, 3 Veza – thelekisa!
Game: 1, 2, 3 Show – compare!

- Sebenzani ngababini. Veza inani ngoonotsheluza.
  Work in pairs. Show a number using flard cards.
- Leliphi inani? Leliphi inani elikhulu?
  What number? Which one is bigger?
- Leliphi inani elincinci? Lincinci kangakanani?
  Which one is smaller? How much?
- Phinda kwakhona!
  Do it again!




## 1 Yenza ezi zixa ngemali yakho yokudlala eziingqekembe, uze uzizobe.
Use your play money to make these amounts using coins, then draw.

| | |
|---|---|
| R10,50 | R5 R5 50c |
| R8,70 | |
| R15,80 | |
| R10,90 | |
| R20,00 | |

## 2 Yenza ezi zixa ngemali yakho yokudlala eziingqekembe, uze uzizobe.
Use your play money to make these amounts using notes, then draw.

| | |
|---|---|
| R200 | R100 R100 |
| R150 | |
| R250 | |
| R400 | |
| R550 | |



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## 3 Yenza ezi zixa ngemali yakho yokudlala eziingqekembe nengamaphepha, uze uzizobe.

Use your play money to make these amounts using coins and notes, then draw.

| | |
|---|---|
| R235 | R100 R100 R20 R10 R5 |
| R420 | |
| R180 | |
| R330 | |
| R475 | |

## 4 Zoba imali engamaphepha ubonise ukuba zingaphi iindlela ezahlukeneyo onokuzisebenzisa ekwenzeni ama-R300.

Draw bank notes to show how many different ways you can make up R300.



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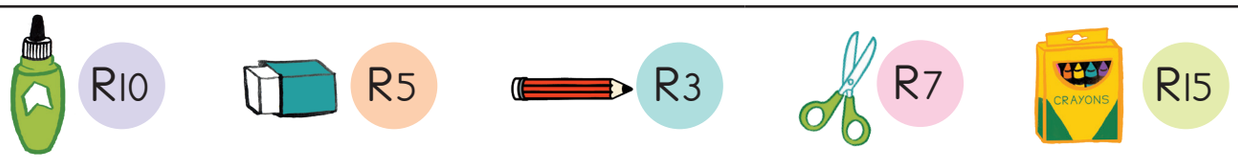
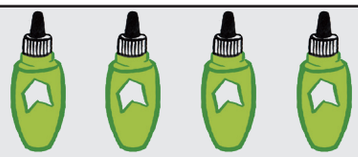
# Imali neengxaki zamagama (1)
## Money and word problems (1)



## 1 Yimalini itshintshi xa uhlawula nge-R100?

How much change if you pay with R100?




| uthenga<br>you buy | itshintshi<br>change |
|---|---|
|  | R100 – R40 = R60 |
| | R100 – _____ = _____ |
| | R100 – _____ = _____ |
| | R100 – _____ = _____ |
| | R100 – _____ = _____ |
| | R100 – _____ = _____ |
| | R100 – _____ = _____ |
| | R100 – _____ = _____ |



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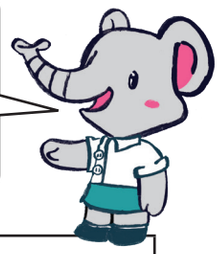
## 2 Ndinama-R200. Ndifuna ukuthenga iibhola ezi-4. Zeziphi iibhola endinokuzithenga? Dwelisa zibe ne.

I have R200. I need to buy 4 balls. Which balls can I buy? Give four options.

**Usenokungayisebenzisi yonke imali engama-R200.**

You don't have to spend the whole R200.



R50 R40 R45 R55 R15

| | |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

## 3 Sombulula.

Solve.

UMandla uhlawula i-R2,50 yetekisi xa esiya esikolweni. Uhlawula malini ukuya nokubuya esikolweni yonke imihla?

Mandla pays R2,50 to take a taxi to school. How much does it cost him to get to and from school each day?

R2,50 + R2,50 = R5,00

Isibini sezihlangu sixabisa ama-R250. Ziya kuxabisa malini izibini zezihlangu ezibini?

One pair of shoes costs R250. How much will two pairs of shoes cost?

UPeter uthenge iihempe ezi-3 ngama-R90 inye. Uza kufumana tshintshi yamalini kuma-R300?

Peter bought 3 T-shirts for R90 each. How much change will he get from R300?

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# Imali neengxaki zamagama (2)
## Money and word problems (2)

IZIBALO ZENTLOKO – MENTAL MATHS: FIZZ POP – PHINDA KABINI – FIZZ POP – DOUBLE → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

## 1 Tshintsha le mali ibe ziirandi.
Convert the following amounts into Rands.

| 100c | 700c | 1980c | 9500c |
|---|---|---|---|
| R1 | R_____ | R_____ | R_____ |

**Khumbula 100c = R1,00.**
Remember 100c = R1,00.

## 2 Tshintsha ezi zixamali zilandelayo zibe ziisenti.
Convert the following amounts into cents.

| R6,10 | R0,80 | R11,50 | R60,00 |
|---|---|---|---|
| 610 c | _____c | _____c | _____c |

**Khumbula R1,00 = 100c.**
Remember R1,00 = 100c.

## 3 Sombulula.
Solve.

Ilofu yesonka ixabisa i-R10,00. Ziza kuxabisa malini iilofu ezi-6?
One loaf of bread costs R10,00. How much will 6 loaves cost?

R10 x 6 = R60

Ikhathuni yoisi ixabisa i-R15,00. Ziza kuxabisa malini iikhathuni ezi-4?
One carton of milk costs R15,00. How much will 4 cartons cost?

UVusi uhlawula ama-R35 etekisini eya edolophini. Uhlawula malini ukuya nokubuya edolophini?
Vusi pays R35,00 to take a taxi to town. What does it cost him to get there and back?

Iibhasi ezintathu zihamba kuhola wendlela ohlawulisayo ze zihlawuliswe ama-R65 ibhasi nganye. Zihlawule malini zizonke?
Three buses drive on a toll road and are charged R65 each. How much do they pay in total?



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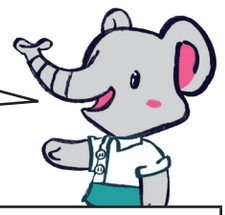
## 4 Jonga amaxabiso eelekese evenkileni.

Look at the prices of sweets in the tuck shop.



R2,50

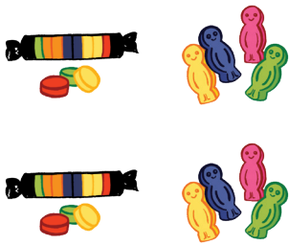
R1,50

R1,00

R1,25

R2,00

R0,50

| uthenga<br>you buy | uhlawula<br>you pay | itshintshi kuma-R20<br>change from R20 |
|---|---|---|
| | R2,50 + R1,50 + R1,00 = R5,00 | R20,00 – R5,00 = R15,00 |
| | | R20,00 – _____ = _____ |
|  | | R20,00 – _____ = _____ |
| | | R20,00 – _____ = _____ |
| | | R20,00 – _____ = _____ |



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# Imali – ukusondeza
Money – rounding off

IZIBALO ZENTLOKO – MENTAL MATHS: FIZZ POP – PHINDA KABINI – FIZZ POP – DOUBLE → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

Sondeza ukuze uqikelele ixabiso lento.
You can round off to estimate how much something costs.

| | isondele kwi- close to | | isondele kwi- close to | | isondele kwi- close to |
|---|---|---|---|---|---|
| 99c<br>95c | R1,00 | R9,00<br>R8,00 | R10,00 | R99,00<br>R95,00 | R100 |

## 1 Sondeza.
Round off.

| | | |
|---|---|---|
| R4,99 = R5 | R89,99 = R90 | R299,00 = R300 |
| R1,99 = | R29,99 = | R199,00 = |
| R9,99 = | R19,99 = | R399,00 = |

## 2

R8,99

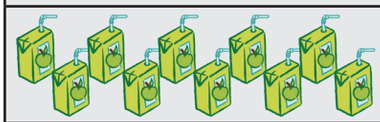
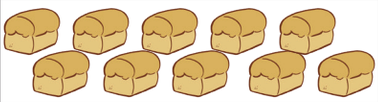
R18,00

R1,99

R14,99

R4,99

R24,99

| ufuna<br>you want | ixabiso eliqikelelweyo<br>estimated cost | Ingaba lanele i-R100? ewe/hayi<br>Is R100 enough? yes/no | |
|---|---|---|---|
| | R25 x 6 = R150 | R150 > R100 | Hayi<br>No |
|  | R9 x 10 = R90 | R90 < R100 | Ewe<br>Yes |
| | | _____ ___ _____ | |
|  | | _____ ___ _____ | |
| | | _____ ___ _____ | |



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## 3

R99,99

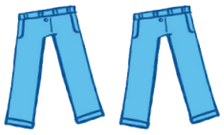
R24,99

R199,99

R44,99

R19,99

R179,99

| ufuna<br>you want | ixabiso eliqikelelweyo<br>estimated cost | Ingaba anele ama-R200? ewe/hayi<br>Is R200 enough? yes/no |
|---|---|---|
| | R100 + R25<br>= R125 | R200 – R125 = R75<br>Ewe<br>Yes |
| | | R200 – _____ = _____ |
| | | R200 – _____ = _____ |
| | | R200 – _____ = _____ |
|  | | R200 – _____ = _____ |
| | | R200 – _____ = _____ |

## 4 Sondeza ukuze udibanise.

Round off to add.

| | |
|---|---|
| R8 + R9 | R 10 + R 10 = R20 |
| R99 + R199 | R_____ + R_____ = _____ |
| R89,99 + R99 | R_____ + R_____ = _____ |
| R1,99 + R2,99 | R_____ + R_____ = _____ |



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# Uvavanyo noqukaniso
## Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

**1**

| uthenga oku<br>you buy | itshintshi<br>change |
|---|---|
| <br>R7 R3 R3 | R20 – _____ = _____ |
| <br>R10 R10 R10 R10 R10 R7 | R100 – _____ = _____ |

**2** Tshintsha ezi zixa zilandelayo zibe ziirandi neesenti.

Convert the following amounts into Rands/cents.

| | |
|---|---|
| 200c = R_____ | 5000c = R_____ |
| R6,00 = _____c | R0,90 = _____c |

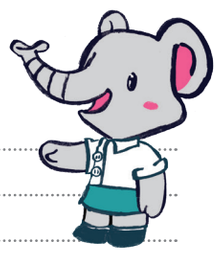
**3** Zoba imali engamaphepha ubonise iindlela ezimbini ezahlukeneyo zokwenza i-R100 usebenzisa imali engamaphepha kuphela.

Draw notes to show two different ways to make R100 using only bank notes.

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

## Masithethe ngeMaths!

**Let's talk Maths!**



| NgesiXhosa sithi: | In English we say: |
|---|---|
| imali | money |
| iirandi | rands |
| iisenti | cents |
| itshintshi | change |
| iyonke | total |
| tshintshisa | exchange |
| Amashumi angenanto ngamanani afana nama-10 okanye ama-100. | Rounded numbers are 10s or 100s. |



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**1** Qala usebenze ngemali yokudlala wandule ukuzoba. Ama-R400 ungawenza ngeendlela ezingaphi ngemali engamaphepha qha?

First work with play money then draw. How many ways can you make R400 using only bank notes?

**2**

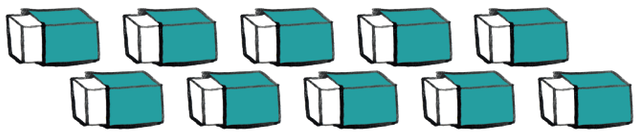
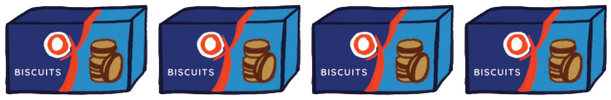
R15

R5

R10

R8

R8

| uthenga oku<br>you buy | itshintshi<br>change |
|---|---|
| | R50 – _____ = _____ |
|  | R50 – _____ = _____ |
|   | R50 – _____ = _____ |
| | R50 – _____ = _____ |

**3** Sondeza ukuze udibanise.

Round off to add.

| | |
|---|---|
| R18 + R19 | R_____ + R_____ = _____ |
| R299 + R89 | R_____ + R_____ = _____ |
| R69,99 + R399 | R_____ + R_____ = _____ |
| R499 + R299 | R_____ + R_____ = _____ |
| R199 + R399 | R_____ + R_____ = _____ |



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IVEKI • WEEK 9

**USUKU 1 • DAY 1**

# Iipatheni zejometri eziphindaphindayo
## Geometric patterns that repeat

IZIBALO ZENTLOKO
MENTAL MATHS

LINGAPHEZULU OKANYE LINGAPHANTSI KUNA-
MORE THAN AND LESS THAN

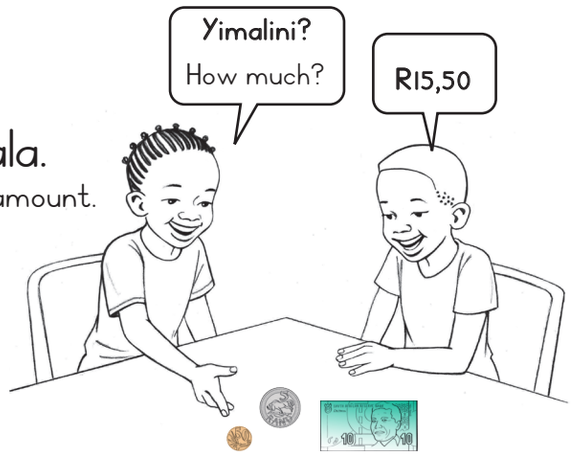
→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## Umdlalo: IMaths ekhawulezayo – imali
Game: Fast maths – money

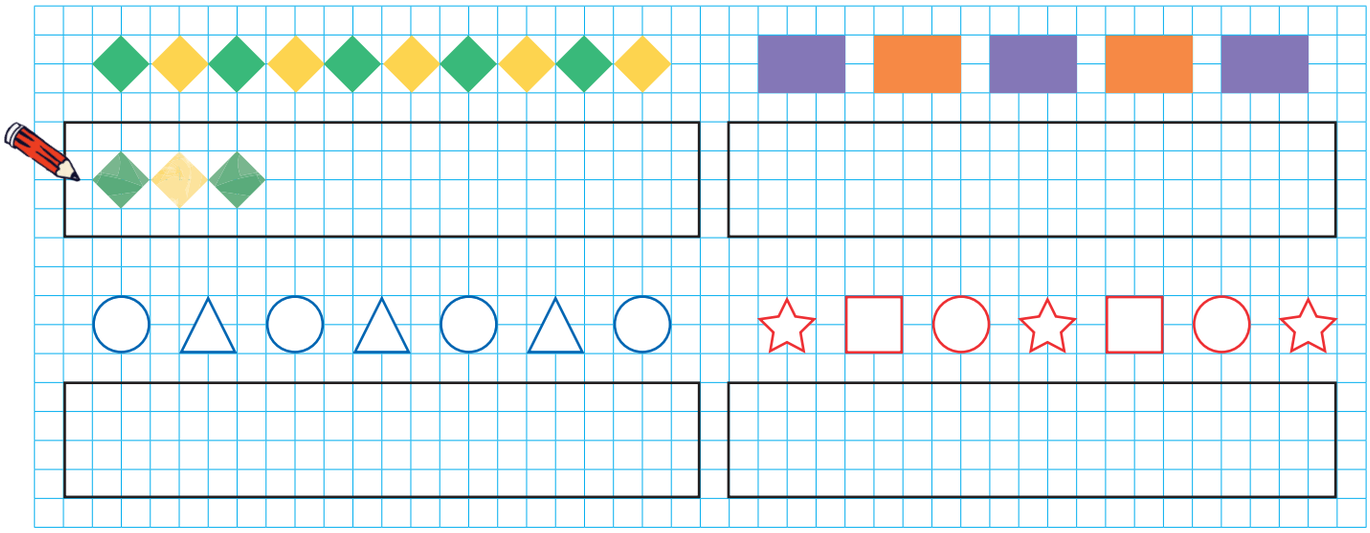
- Sebenzani ngababini. Bonisa isixamali ngemali yakho yokudlala.
  Work in pairs. Use your play money to show an amount.
- Yimalini? Dibanisa!
  How much? Add!
- Phinda kwakhona! Nikanani amathuba okudlala.
  Do it again! Take turns.



**Uyakwazi ukufumana imigaqo yeepatheni ukuze wazi ukuba yintoni elandelayo okanye yintoni engekhoyo. Ezinye iipatheni ziyaphinda. Jonga apha!**

You can find pattern rules to know what comes next or what is missing. Some patterns repeat. Look at this!

**1** Khuphela iipatheni kanye ngale ndlela ziyiyo kule gridi ingasezantsi.
Copy the patterns exactly as they are in the grid below.





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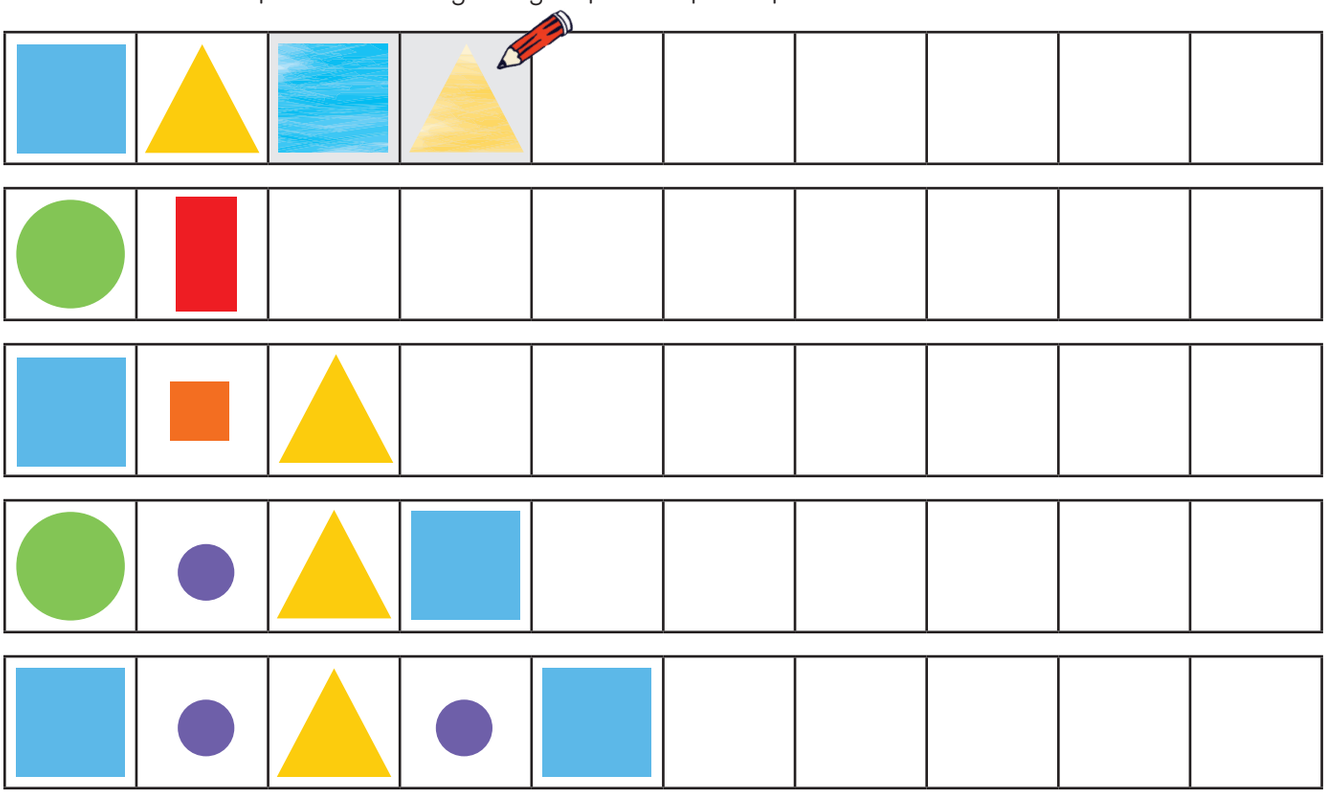
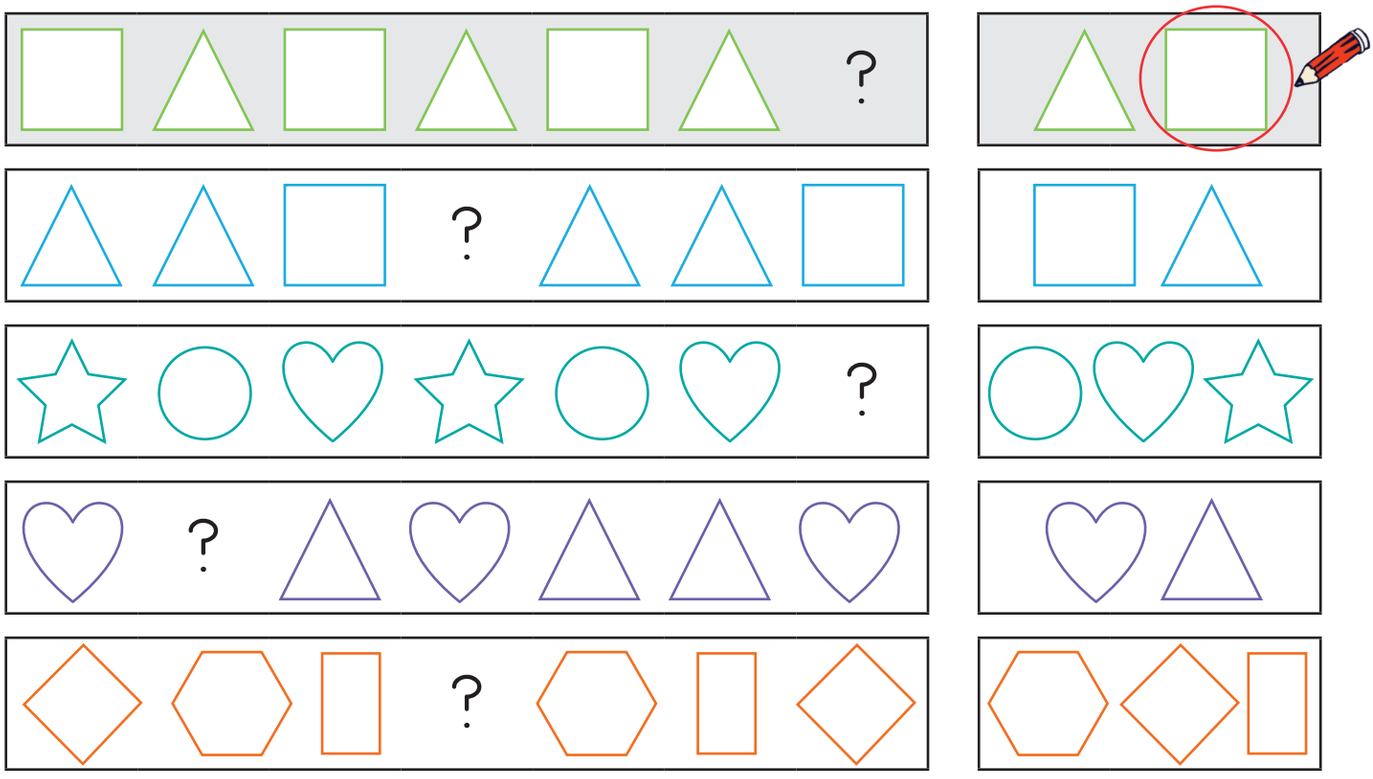
## 2 Qhubeka neepatheni. Eli qela linikiweyo leemilo liyapindaphinda.

Continue the patterns. The given group of shapes repeats.



## 3 Jonga le patheni. Biyela imilo engena endaweni yophawu lombuzo.

Look at the pattern. Circle the shape that fits on the question mark.



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IVEKI • WEEK 9

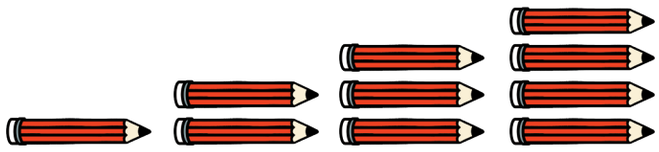
**USUKU 2** • DAY 2

# Iipatheni zejometri ezikhulayo
## Geometric patterns that increase

| IZIBALO ZENTLOKO<br>MENTAL MATHS | LINGAPHEZULU OKANYE LINGAPHANTSI KUNA-<br>MORE THAN AND LESS THAN | → UMDLALO<br>GAME | → UPHUHLISO LWENGQIQO<br>CONCEPT DEVELOPMENT | → AMAPHEPHA OKUSEBENZELA<br>WORKSHEETS |
|---|---|---|---|---|

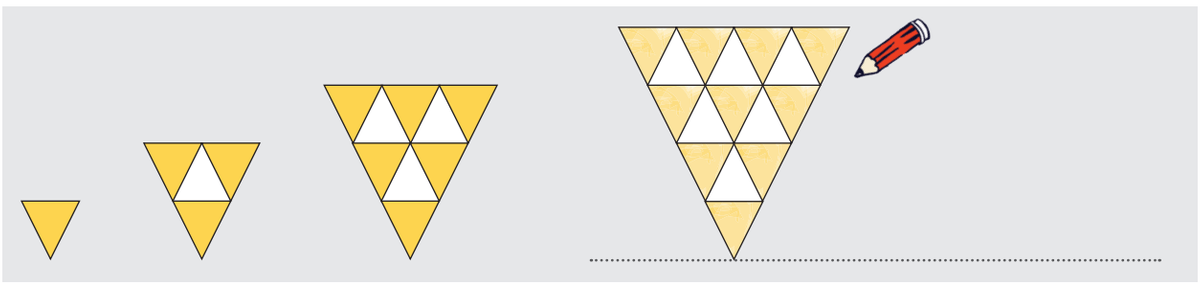
Ungafumana imigaqo yeepatheni ukuze wazi ukuba kulandela ntoni nokuba yintoni engekhoyo. Ezinye iipatheni ziyakhula. Jonga apha!

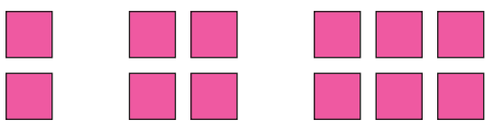
You can find pattern rules to know what comes next and what is missing. Some patterns increase. Look at this!

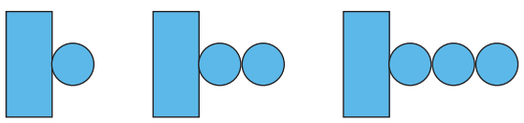


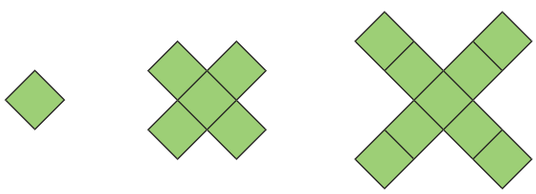
## 1 Zoba imilo elandelayo.

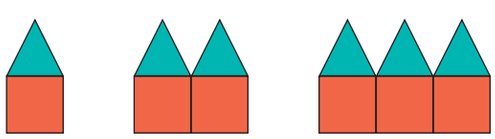
Draw the shape that comes next.













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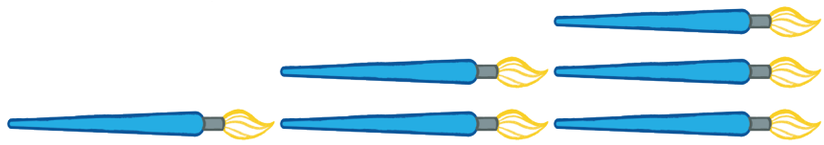
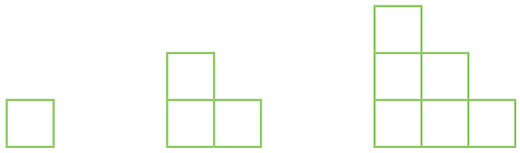
## 2 Zoba ithem elandelato kwipatheni.

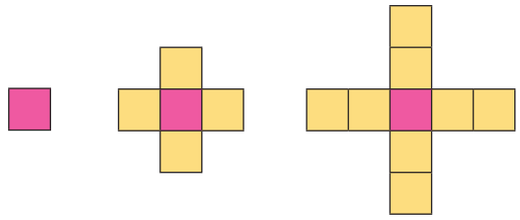
Draw the next picture in the pattern.



.....



.....



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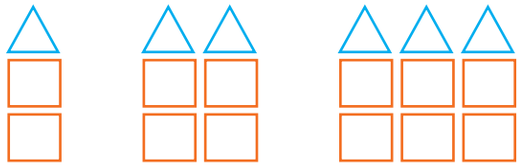

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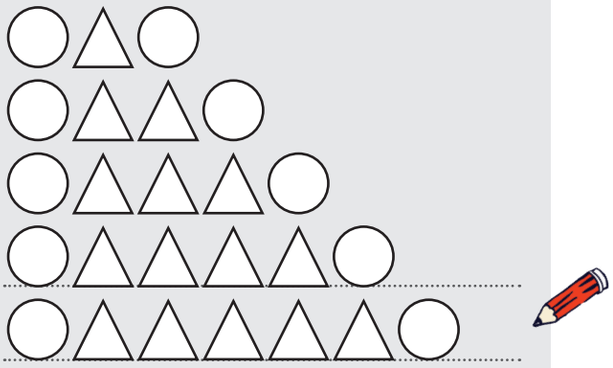
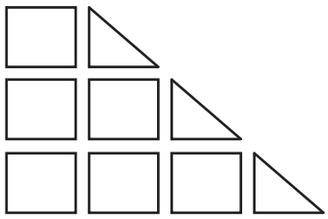
## 3 Jonga ezi patheni uqaphele indlela ezikhula ngayo. Zoba imigca emibini elandelayo yepatheni nganye.

Look at the patterns to see how they grow. Draw the next two lines of each pattern.





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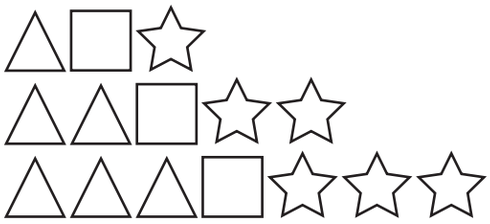

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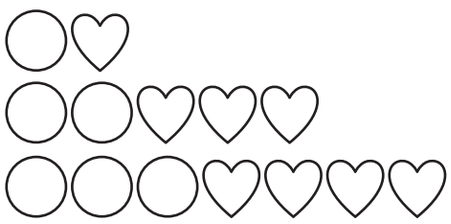

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# Iipatheni zejometri
## Geometric patterns

IZIBALO ZENTLOKO
MENTAL MATHS

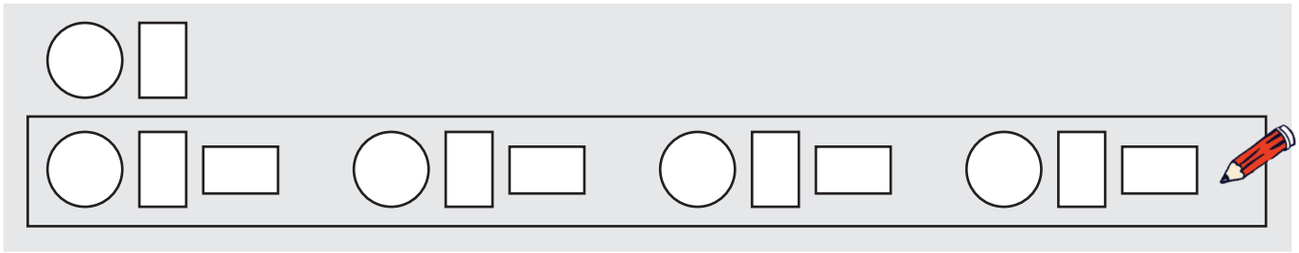
LINGAPHEZULU OKANYE LINGAPHANTSI KUNA-
MORE THAN AND LESS THAN

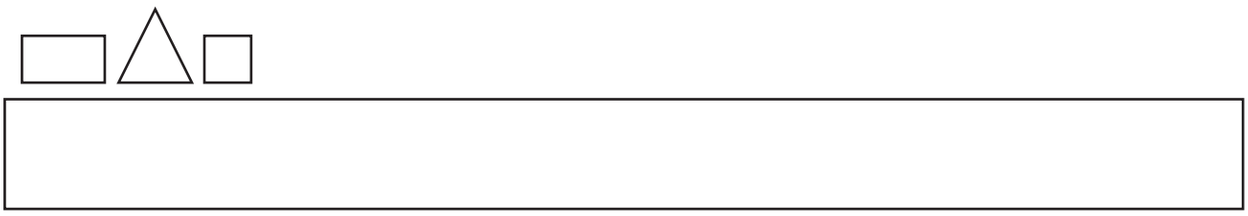
→ UMDLALO
GAME

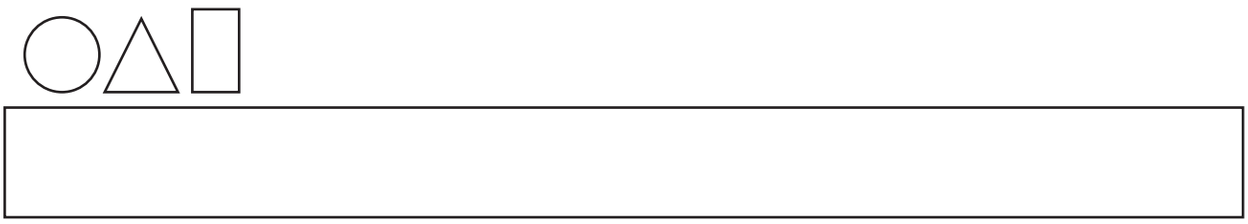
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

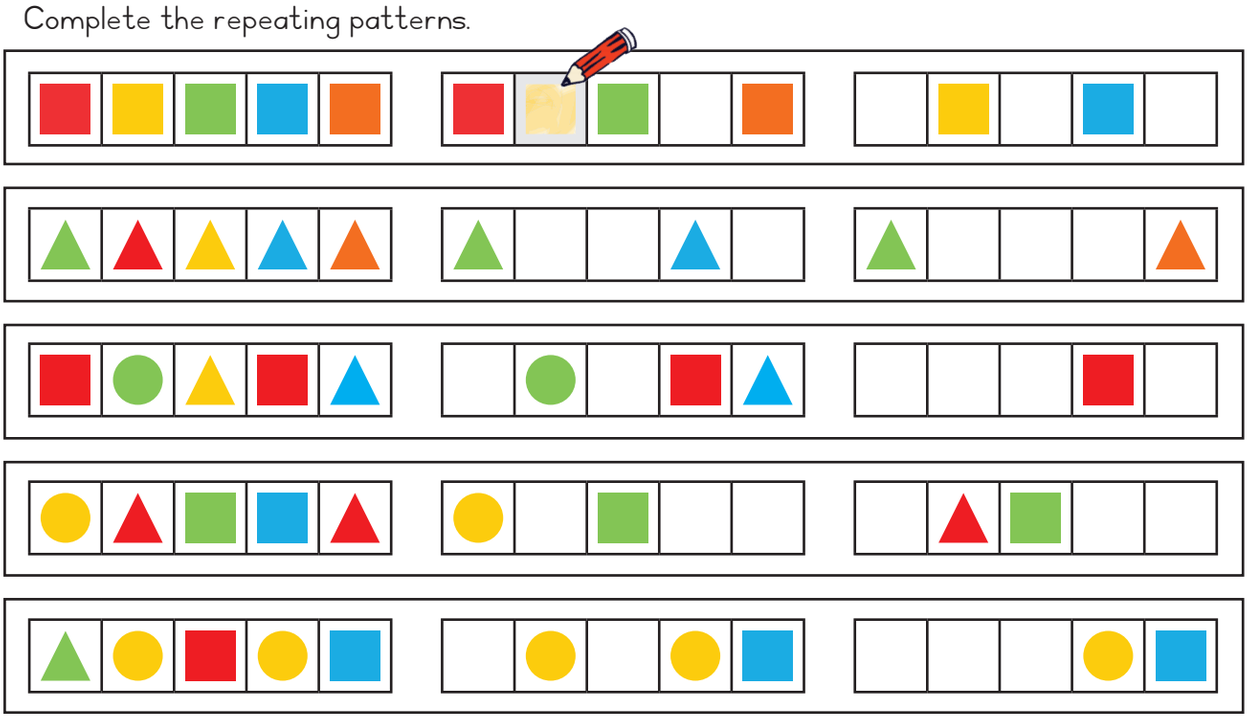
## 1 Zoba eyakho ipatheni ephindayo ngezi milo.
Draw your own repeating pattern using these shapes.







## 2 Gqibezela iipatheni eziphindaphindayo.
Complete the repeating patterns.





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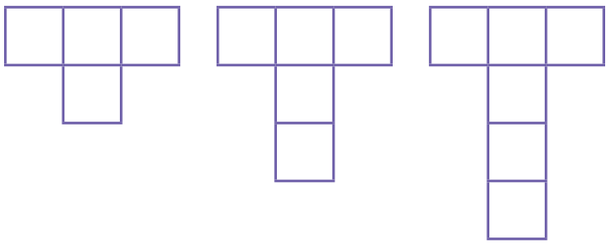
## 3 Zoba imilo elandelayo kwipatheni.

Draw the next shape in the pattern.

.....

.....



.....

.....

## 4 Zoba eyakho ipatheni ekhulayo ngezi milo.

Draw your own growing pattern using these shapes.

□

○

□ △



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# Ukuhlola iipatheni zejometri
## Exploring geometric patterns

IZIBALO ZENTLOKO
MENTAL MATHS

LINGAPHEZULU OKANYE LINGAPHANTSI KUNA-
MORE THAN AND LESS THAN

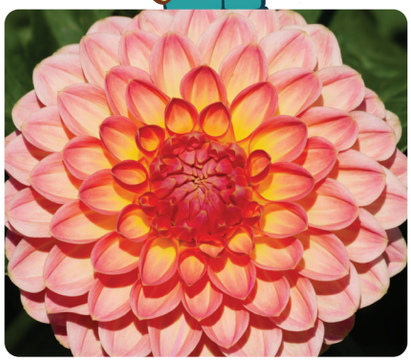
→ UMDLALO
GAME

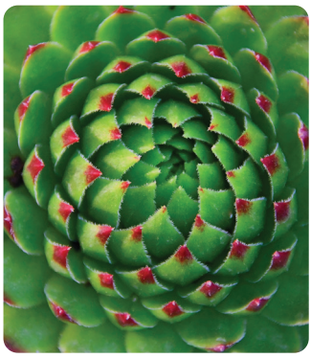
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Izityalo zineepatheni ezinika umdla. Zeziphi iipatheni ozibonayo?

Plants have interesting patterns. What patterns do you see here?





**1** Thetha ngeepatheni ezikule mifanekiso ingasezantsi. Zenziwe zeziphi iimilo? Njani?

Talk about the patterns you can see in the pictures below. What shapes are they made of? How?

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## 2 Zoba eyakho iipatheni.

Draw your own patterns.

Sebenzisa izikwere nezangqa. Mayibe yipatheni epindaphindayo.

Use squares and circles. The pattern must repeat.

Sebenzisa iingxande noonxantathu. Mayibe yipatheni ekhulayo.

Use rectangles and triangles. The pattern must grow.

Sebenzisa nokuba zeziphi iimilo. Ingayipatheni ephindayo okanye ekhulayo.

Use any shapes. The pattern can repeat or grow.



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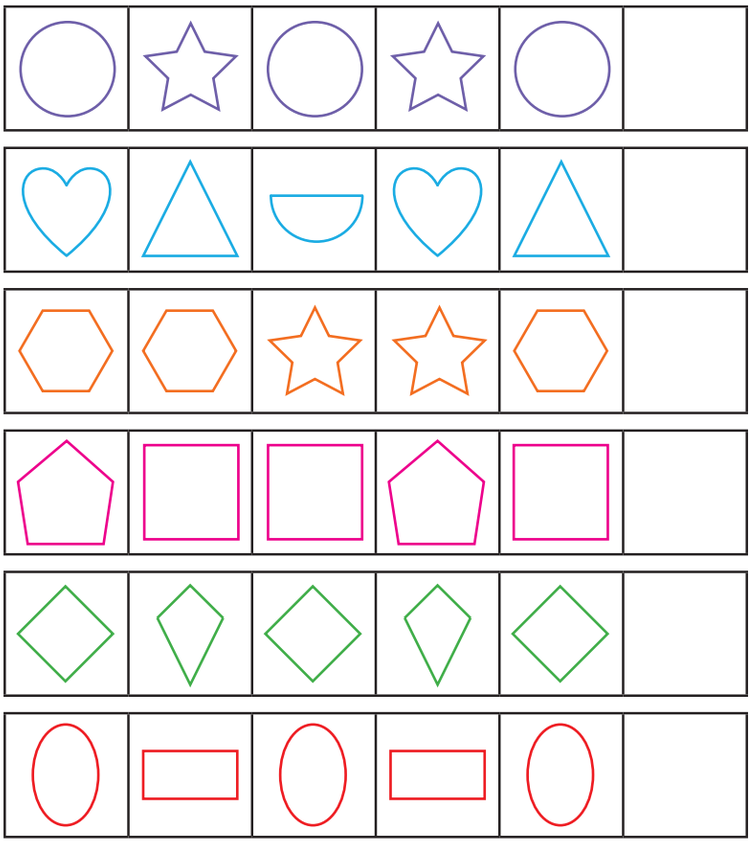
# Uqukaniso
Consolidation

IPHEPHA LOKUSEBENZELA WORKSHEET → IPHEPHA LOKUSEBENZELA WORKSHEET

## 1 Zoba imilo elandelayo kwipatheni.
Draw the next shape in the pattern.



## Masithethe ngeMaths!
**Let's talk Maths!**

| NgesiXhosa sithi: | In English we say: |
|---|---|
| ipatheni | pattern |
| umgaqo | rule |
| yandisa | extend |
| chaza | describe |
| phinda | repeat |
| ephindayo | repeating |
| khula | grow |
| ekhulayo | growing |
| Yintoni elandelayo? | What comes next? |
| Yintoni engekhoyo? | What is missing? |



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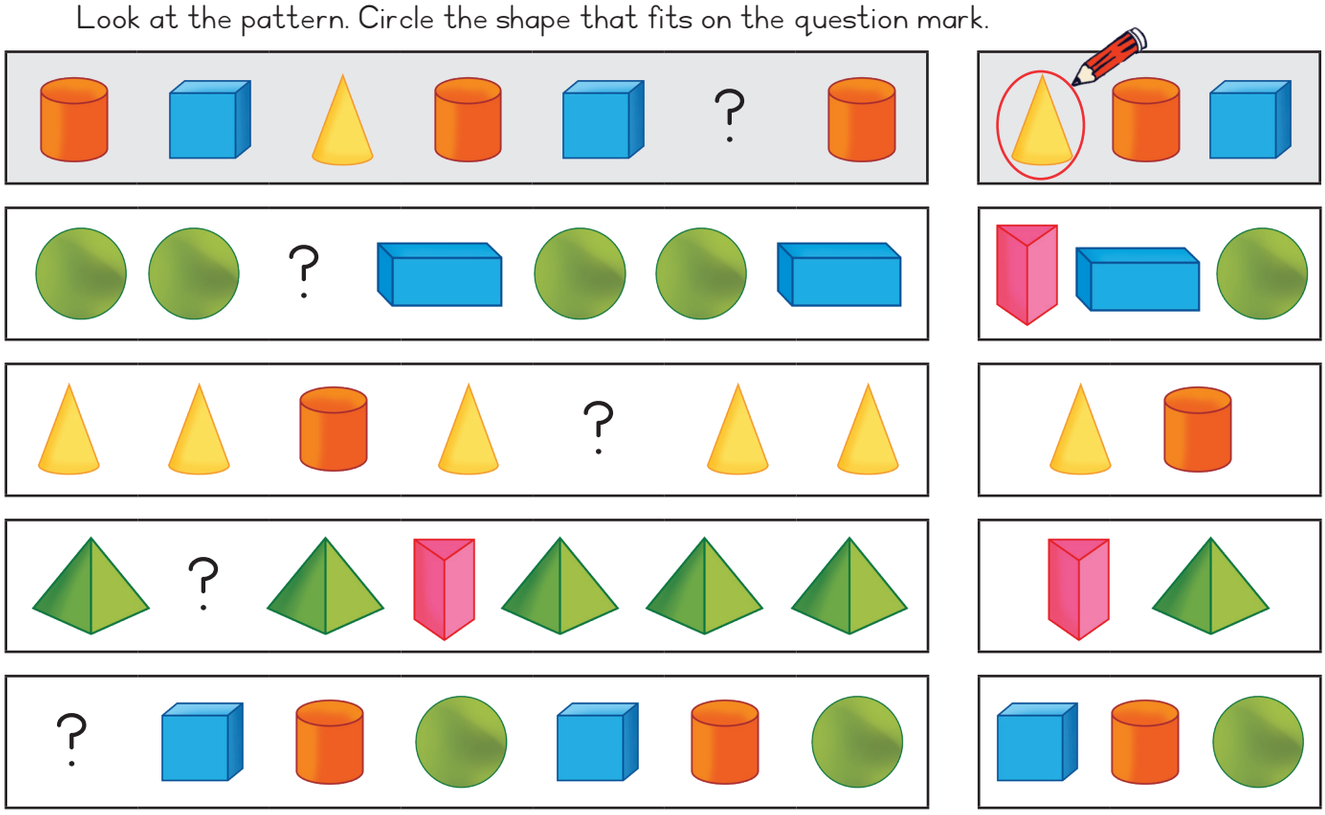
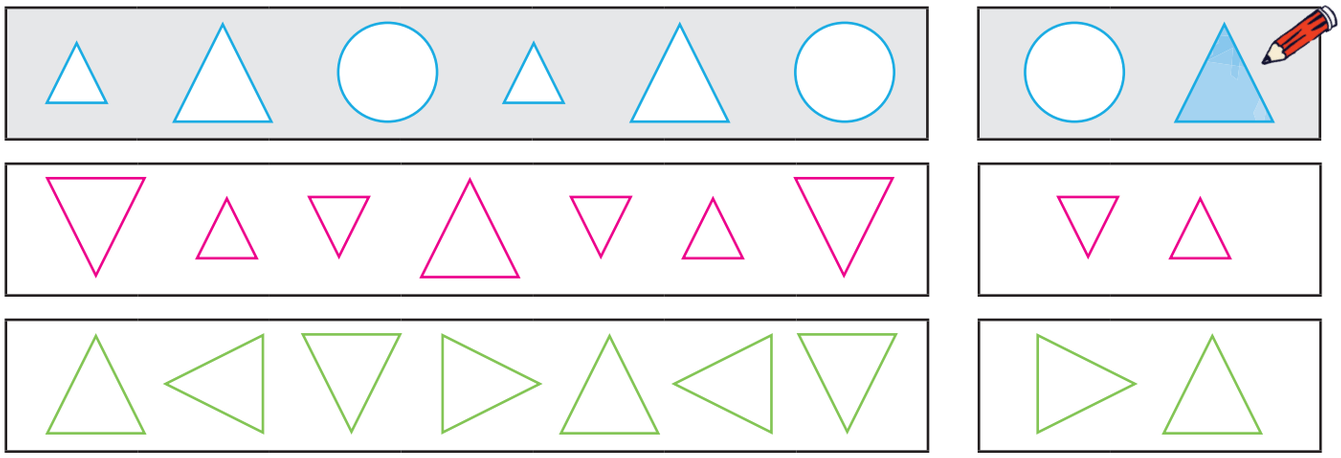
## 2 Jonga ipatheni. Biyela ngesangqa imilo engena endaweni yophawu lombuzo.

Look at the pattern. Circle the shape that fits on the question mark.



## 3 Jonga ipatheni. Fakela umbala kwimilo elandelayo.

Look at the pattern. Colour the shape that comes next.



## 4 Zoba eyakho ipatheni ephindaphindayo okanye ekhulayo ngezi milo.

Draw your own repeating or increasing pattern using these shapes.

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# Uphindaphindo
Multiplication

IZIBALO ZENTLOKO
MENTAL MATHS

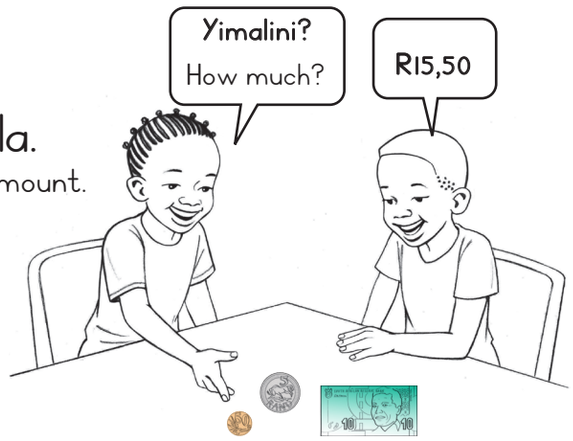
IMIGUQULWA
INVERSE RELATIONS

→ UMDLALO
GAME

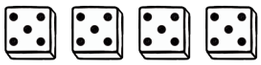
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## Umdlalo: IMaths ekhawulezayo – imali
Game: Fast maths – money

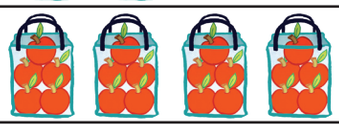
- Sebenzani ngababini. Bonisa isixamali ngemali yakho yokudlala.
  Work in pairs. Use your play money to show an amount.
- Yimalini? Dibanisa!
  How much? Add!
- Phinda kwakhona! Nikanani amathuba okudlala.
  Do it again! Take turns.




## 1 Zingaphi? Bhala isibalo sokudibanisa okuphindwayo nesibalo sophindaphindo.
How many? Write the repeated addition sum and a multiplication sum.

| | idayisi<br>dice | amachokoza (uphindaphindo)<br>dots (multiple) | amachokoza (ukudibanisa)<br>dots (addition) |
|---|---|---|---|
| | 2 | 2 x 5 | 5 + 5 |
|  | | | |
| | | | |

## 2 Sombulula.
Solve.

| | iingxowa<br>bags | ama-apile<br>apples |
|---|---|---|
| | 1 | 5 |
| | | |
|  | | |

Kukho iingxowa ezi-3 zama-apile. Sitye ama-apile ama-4. Mangaphi ama-apile ashiyekileyo?

There are 3 bags of apples. We eat 4 apples. How many apples are left?



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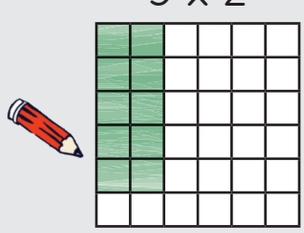
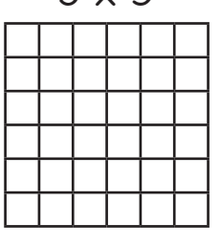
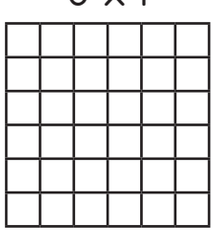
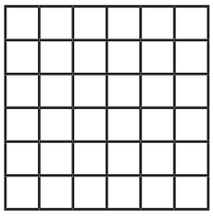
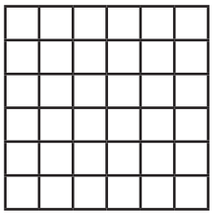
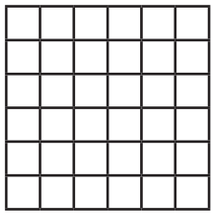
**3**

| uphindaphindo<br>multiplication | ukudibanisa okuphindiweyo<br>repeated addition | isiphumo<br>answer |
|---|---|---|
| 6 x 5 | 5 + 5 + 5 + 5 + 5 + 5 | 30 |
| 4 x 5 | | |
| 8 x 5 | | |
| 5 x 5 | | |
| 2 x 5 | | |

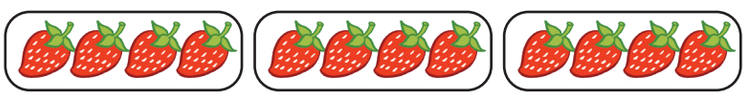
**4** Fakela umbala kucwangcisomanani.

Colour in the arrays.

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

**5** Bhala isivakalisi manani esinesiphumo.

Write the number sentence with the answer.

| | isivakalisi manani<br>number sentence |
|---|---|
| | 2 x 7 = 14 |
| | |
| | |
|  | |



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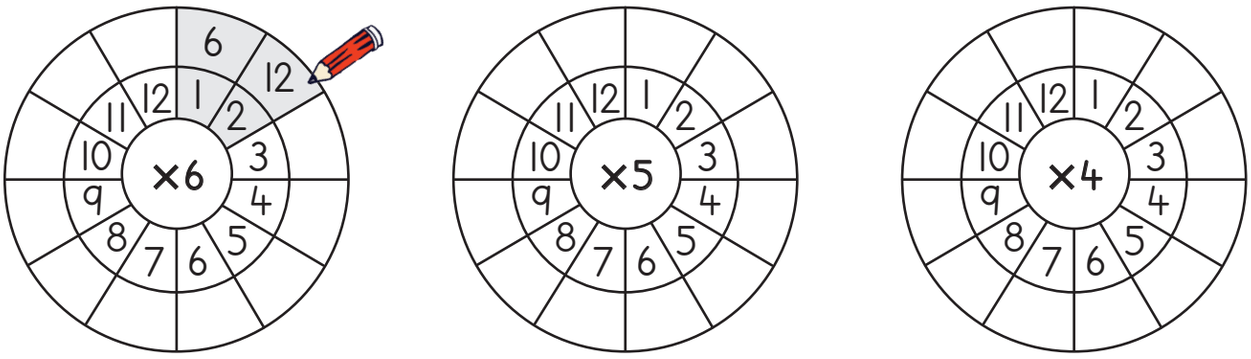
# Uphindaphindo (2)
## Multiplication (2)

IZIBALO ZENTLOKO MENTAL MATHS | IMIGUQULWA INVERSE RELATIONS → UMDLALO GAME → AMAPHEPHA OKUSEBENZELA WORKSHEETS

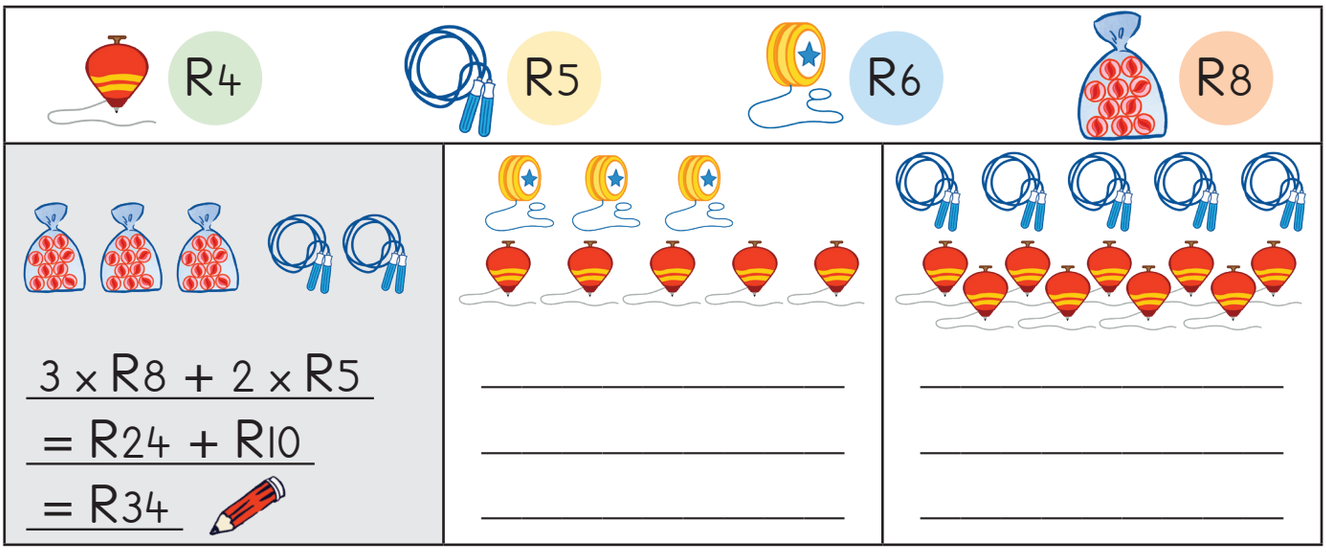
## 1 Gqibezela amavili ophindaphindo.
Complete the multiplication wheels.




## 2 Kukho izitikha ezi-5 ekhadini nezinye ezingaphezulu. Zingaphi izitikha ezikhoyo?
There are 5 stickers on a card and some extra. How many stickers?

| | |
|---|---|
| 5 5 5 5 6<br>4 x 5 + 6 = 26 | 5 5 5 5 5 8<br>____ x 5 + ____ = ____ |
| 5 5 5 8<br>____ x 5 + ____ = ____ | 5 5 5 5 5 2<br>____ x 5 + ____ = ____ |

## 3 Zixabisa malini zizionke? Bhala isivakalisi manani?
How much do the items cost altogether? Write a number sentence.



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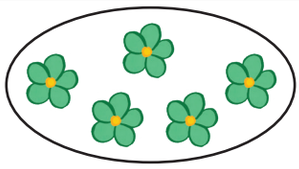
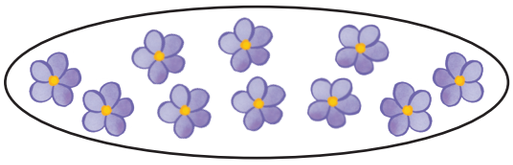
## 4

| | |
|---|---|
| | Kukho imivo e-____.<br>There are ___ ones.<br>____ x ____ = ____ |
|  | Kukho amaqela ezi-5 a-____.<br>There is ___ group of 5.<br>____ x ____ = ____ |
| | Kukho imivo e-____.<br>There are ___ ones.<br>____ x ____ = ____ |
|  | Kukho iqela le-10 a-____.<br>There is ___ group of 10.<br>____ x ____ = ____ |

## 5 Yenza amacala alingane.

Make the sides equal.

| | | |
|---|---|---|
| 5 x 3 = 12 + ____ | 24 = 6 x ____ | 15 = ____ x 5 |
| 8 x 3 = 18 + ____ | 16 = ____ x 4 | 25 = 5 x ____ |
| 10 x 3 = 15 + ____ | 36 = ____ x 4 | 40 = ____ x 5 |

## 6

UTsepo uneminyaka esi-8 ubudala. Utata wakhe uyiphinda kane iminyaka yakhe. Mingaphi iminyaka katata kaTsepo?

Tsepo is 8 years old. His dad is four times older than him. How old is Tsepo's dad?

Kukho iibhola ezisi-9 ebhokisini. Zingaphi iibhola ezikwiibhokisi ezi-4?

There are 9 balls in a box. How many balls in 4 boxes?

## 7 Fakela umbala kumanani **angezizo** iziphumo zophindaphindo luka-3.

Colour the numbers that are **not** products of the 3 times table.

18 80 21 36 56 32 42 72 24 99



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# Iipatheni zophindaphindo
## Patterns of multiplication

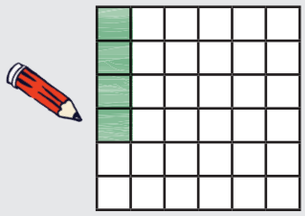
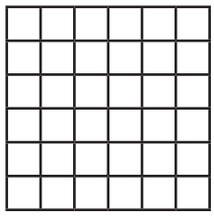
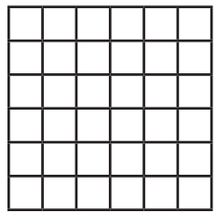
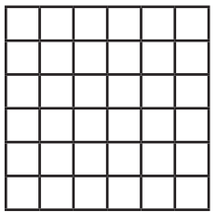
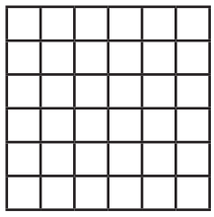
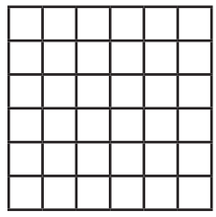
IZIBALO ZENTLOKO MENTAL MATHS | IMIGUQULWA INVERSE RELATIONS → UMDLALO GAME → AMAPHEPHA OKUSEBENZELA WORKSHEETS

Uqaphela ntoni xa ufakela umbala izibini zocwangcisomanani kweli phepha. Xoxa neqabane lakho.

What do you notice when you shade the pairs of arrays on this page? Discuss with a friend.

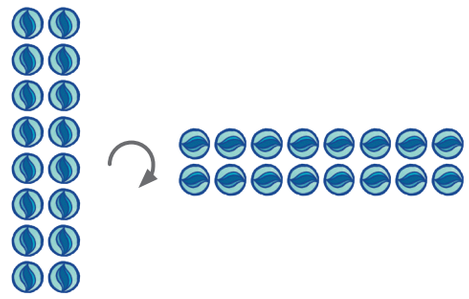
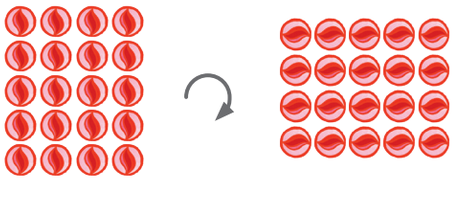
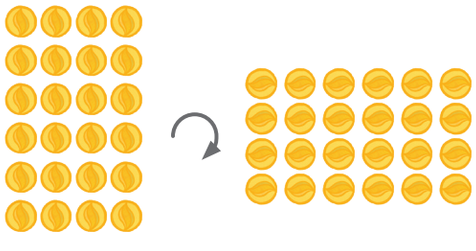
## 1 Fakela umbala kucwangcisomanani.

Colour in the arrays.

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

## 2 Bhala isivakalisi manani ngesicwangcisomanani ngasinye esitsha.

Write the multiplication sentence for each new array.

| | |
|---|---|
| 6 x 3 ; 3 x 6 |  8 x 2 ; ____ x ____ |
|  5 x 4 ; ____ x ____ |  6 x 4 ; ____ x ____ |



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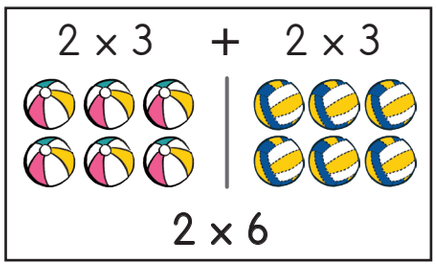
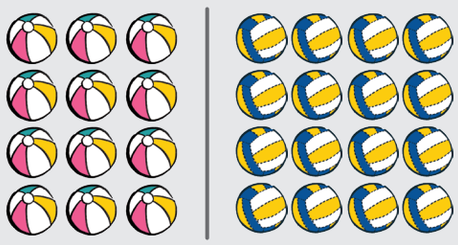



Ungacazulula isicwangcisomanani ukuze ufumane isiphindwa. Qwalasela oku!

You can break up an array to find a multiple. Look at this!

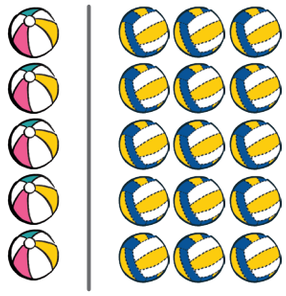
## 3 Bala usebenzise iinxalenye zocwangcisomanani.

Calculate using the parts of the array.



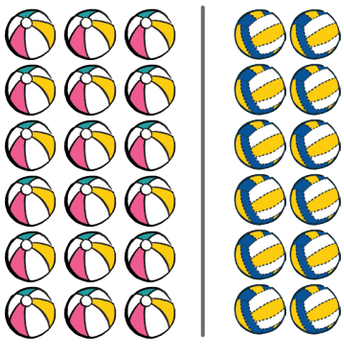
4 x 7 =

4 x 3 + 4 x 4



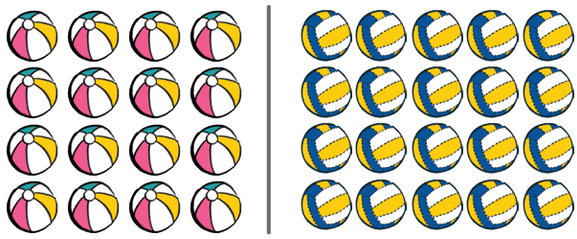
5 x 4 =

____ x ____ + _____ x _____



6 x 5 =

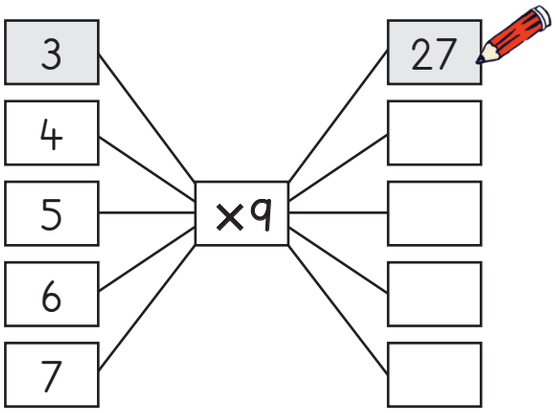
____ x ____ + ____ x ____

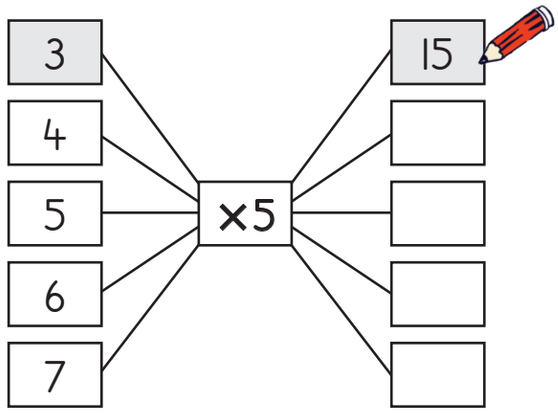


4 x 9 =

____ x ____ + ____ x ____

## 4



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# Ukusebenza ngemali
Working with money

IZIBALO ZENTLOKO
MENTAL MATHS

IMIGUQULWA
INVERSE RELATIONS

→ UMDLALO
GAME

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## 1 Biyela iingqekembe kunye namaphepha ukwenza ezi zixa.
Circle the coins and notes to make these amounts.

| 40c | 60c | 70c |
|---|---|---|
| | | |

| 80c | 100c | 220c |
|---|---|---|
| | | |

| R52 | R98 | R85 |
|---|---|---|
| | | |

## 2 Qala usebenzise imali yokudlala uze wandule ukuzoba! Zingaphi iindlela onokuzisebenzisa ukwenza ama-R500 ngemali engamaphepha?
First work with play money then draw! How many ways can you make R500 using only bank notes.



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## 3 La ngamaxabiso eelekese ezisevenkileni.

These are the prices of sweets in the tuck shop.

R2,50

R1,50

R1,00

R1,25

R2,00

R0,50

| uthenga<br>you buy | uhlawula<br>you pay | itshintshi kuma-R50<br>change from R50 |
|---|---|---|
| | R2,50 + R2,50 + R2,50 + R1,50 + R1,00 = R10,00 | R50,00 – R10,00 = R40,00 |
| | | R50,00 – _____ = _____ |
| | | R50,00 – _____ = _____ |
| | | R50,00 – _____ = _____ |
| | | R50,00 – _____ = _____ |

## 4 Sondeza ukuze udibanise.

Round off to add.

| | |
|---|---|
| R4,99 + R99,99 | |
| R24,99 + R19,99 | |



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# Ixesha
Time

IZIBALO ZENTLOKO
MENTAL MATHS

IMIGUQULWA
INVERSE RELATIONS

→ UMDLALO
GAME

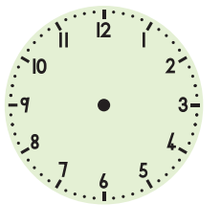
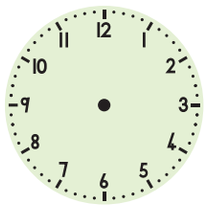
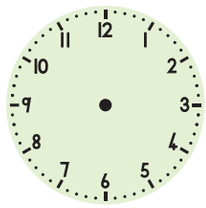
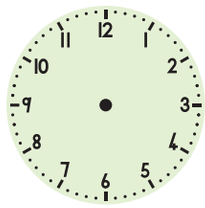
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

## 1 Gqibezela itheyibhile.
Complete the table.

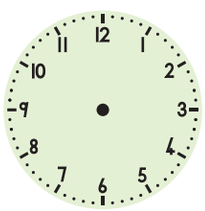
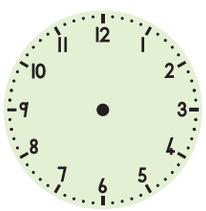
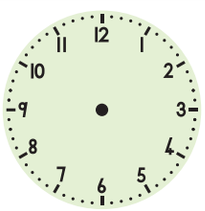
| imizuzu<br>minutes | iiyure<br>hours |
|---|---|
| 60 | 1 |
| | 2 |
| 30 | |
| | 4 |
| 15 | |
| | 3 |
| 90 | |

| iintsuku<br>days | iiveki<br>weeks |
|---|---|
| 14 | 2 |
| 7 | |
| | 3 |
| 35 | |
| 42 | |
| | 10 |
| 63 | |

## 2 Zoba amasiba ewotshini.
Draw the hands on the clock.

| 07:30 | 11:15 | 05:00 | 09:45 |
|---|---|---|---|
|  |  |  |  |

## 3 Ixesha yeye-06:00. Bonisa la maxesha kwezi wotshi zingezantsi.
The time is 06:00. Show these times on the clocks below.

| imizuzu engama-30 emva koko<br>30 minutes later | imizuzu eli-15 phambi koko<br>15 minutes earlier | imizuzu eli-15 emva koko<br>15 minutes later |
|---|---|---|
|  |  |  |



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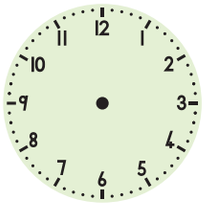
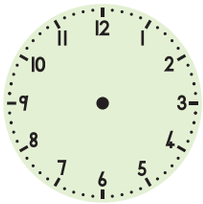
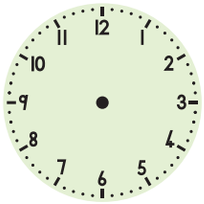
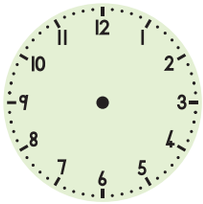
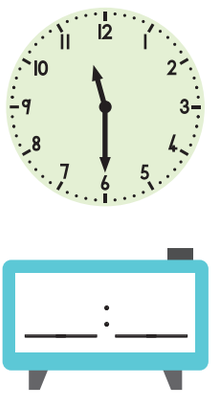
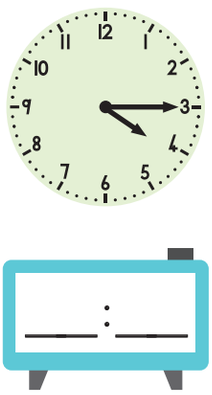
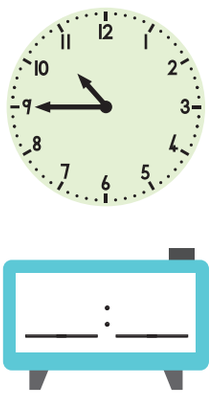
## 4 Zoba amasiba ewotshini uze ubhale ixesha.

Draw the hands on the clock and write the time.

| | imizuzu eli-15 emva koko<br>15 minutes later | | imizuzu eli-15 phambi koko<br>15 minutes earlier |
|---|---|---|---|
| | <br>07:45 | | <br>09:15 |
| |  | |  |
| |  | |  |

## 5 Bhala ixesha ngamanani.

Write the digital time.

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



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## Usuku 1 • Day 1

### Dibanisa uze uthabathe.

Add and subtract.

25 + 37 = _____

36 + 25 = _____

64 + 28 = _____

78 + 17 = _____

57 + 26 = _____

34 – 18 = _____

45 – 17 = _____

60 – 25 = _____

74 – 35 = _____

81 – 43 = _____

## Usuku 2 • Day 2

### Dibanisa uze uthabathe.

Add and subtract.

47 + 24 = _____

35 + 47 = _____

28 + 67 = _____

54 + 37 = _____

56 + 28 = _____

80 – 36 = _____

72 – 28 = _____

54 – 37 = _____

65 – 29 = _____

48 – 27 = _____

## Usuku 3 • Day 3

### Dibanisa uze uthabathe.

Add and subtract.

69 + 24 = _____

28 + 36 = _____

47 + 48 = _____

36 + 37 = _____

58 + 23 = _____

43 – 17 = _____

75 – 46 = _____

67 – 28 = _____

84 – 58 = _____

95 – 37 = _____

## Usuku 4 • Day 4

### Dibanisa uze uthabathe.

Add and subtract.

37 + 26 = _____

58 + 29 = _____

43 + 18 = _____

49 + 29 = _____

67 + 18 = _____

51 – 26 = _____

72 – 39 = _____

35 – 26 = _____

42 – 24 = _____

74 – 47 = _____



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## Usuku 1 • Day 1

### Dibanisa iziphindwa ze-10.

Add multiples of 10.

80 + 50 = _____

87 + 50 = _____

90 + 30 = _____

93 + 30 = _____

50 + 60 = _____

54 + 60 = _____

72 + 50 = _____

68 + 50 = _____

42 + 70 = _____

67 + 60 = _____

## Usuku 2 • Day 2

### Thabatha iziphindwa ze-10.

Subtract multiples of 10.

120 – 40 = _____

180 – 90 = _____

120 – 50 = _____

130 – 70 = _____

170 – 80 = _____

135 – 60 = _____

113 – 50 = _____

146 – 40 = _____

197 – 50 = _____

184 – 60 = _____

## Usuku 3 • Day 3

### Dibanisa iziphindwa ze-10.

Add multiples of 10.

160 + 30 = _____

140 + 50 = _____

110 + 70 = _____

130 + 50 = _____

150 + 30 = _____

165 + 20 = _____

154 + 30 = _____

112 + 70 = _____

163 + 30 = _____

138 + 20 = _____

## Usuku 4 • Day 4

### Thabatha iziphindwa ze-10.

Subtract multiples of 10.

150 – 70 = _____

130 – 80 = _____

110 – 30 = _____

138 – 40 = _____

174 – 60 = _____

195 – 40 = _____

116 – 50 = _____

198 – 40 = _____

127 – 60 = _____

143 – 80 = _____



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## Usuku 1 • Day 1

**x 2**

| Uphindaphindo<br>Multiplication | Ukudibanisa okuphindaphindwayo<br>Repeated addition |
|---|---|
| 4 x 2 | |
| | 2 + 2 + 2 + 2 + 2 + 2 |
| 3 x 2 | |
| 5 x 2 | |
| 7 x 2 | |
| | 2 + 2 |
| | 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 |
| 10 x 2 | |
| 8 x 2 | |
| | 2 + 2 + 2 + 2 + 2 + 2 |

## Usuku 2 • Day 2

**x 3**

| Uphindaphindo<br>Multiplication | Ukudibanisa okuphindaphindwayo<br>Repeated addition |
|---|---|
| 4 x 3 | |
| 3 x 3 | |
| | 3 + 3 + 3 + 3 + 3 + 3 + 3 |
| 5 x 3 | |
| 8 x 3 | |
| | 3 + 3 |
| | 3 + 3 + 3 + 3 + 3 + 3 |
| 10 x 3 | |
| 9 x 3 | |
| | 3 + 3 + 3 + 3 + 3 |

## Usuku 3 • Day 3

**x 4**

| Uphindaphindo<br>Multiplication | Ukudibanisa okuphindaphindwayo<br>Repeated addition |
|---|---|
| 5 x 4 | |
| 10 x 4 | |
| | 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 |
| 2 x 4 | |
| 3 x 4 | |
| | 4 + 4 + 4 + 4 + 4 |
| 6 x 4 | |
| | 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 |
| 9 x 4 | |
| 5 x 4 | |

## Usuku 4 • Day 4

**x 5**

| Uphindaphindo<br>Multiplication | Ukudibanisa okuphindaphindwayo<br>Repeated addition |
|---|---|
| 5 x 5 | |
| | 5 + 5 + 5 |
| 7 x 5 | |
| 9 x 5 | |
| 2 x 5 | |
| 4 x 5 | |
| | 5 + 5 + 5 + 5 + 5 + 5 |
| 10 x 5 | |
| 8 x 5 | |
| 4 x 4 | |



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## Usuku 1 • Day 1

**Phindaphinda.**

Multiply.

4 x 6 = _____

3 x 6 = _____

5 x 6 = _____

2 x 9 = _____

3 x 4 = _____

2 x 7 = _____

5 x 3 = _____

2 x 10 = _____

8 x 3 = _____

6 x 5 = _____

## Usuku 2 • Day 2

**Phindaphinda.**

Multiply.

4 x 10 = _____

3 x 3 = _____

2 x 3 = _____

3 x 9 = _____

2 x 9 = _____

6 x 4 = _____

8 x 4 = _____

7 x 5 = _____

9 x 3 = _____

8 x 4 = _____

## Usuku 3 • Day 3

**Phindaphinda.**

Multiply.

6 x 5 = _____

4 x 6 = _____

1 x 3 = _____

4 x 4 = _____

3 x 2 = _____

6 x 3 = _____

4 x 8 = _____

7 x 4 = _____

5 x 5 = _____

2 x 4 = _____

## Usuku 4 • Day 4

**Phindaphinda.**

Multiply.

5 x 8 = _____

4 x 3 = _____

8 x 2 = _____

9 x 4 = _____

10 x 4 = _____

7 x 2 = _____

6 x 3 = _____

4 x 7 = _____

3 x 8 = _____

1 x 9 = _____



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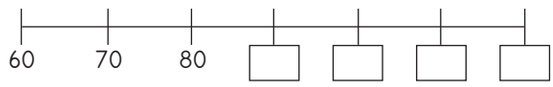
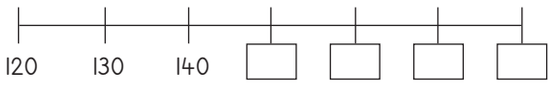
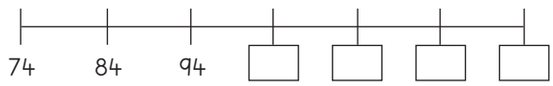
## Usuku 1 • Day 1

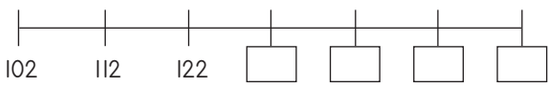
### Dibanisa i-10.

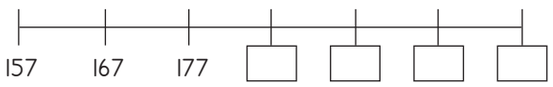
Add 10.



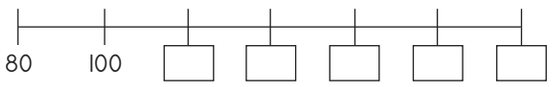



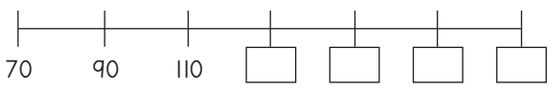



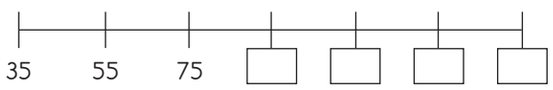

## Usuku 2 • Day 2

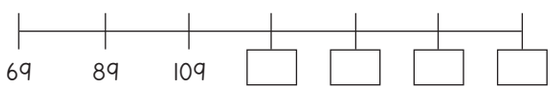
### Dibanisa ama-20.

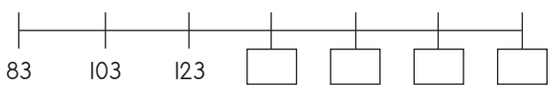
Add 20.



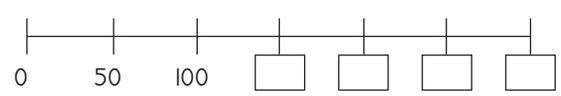



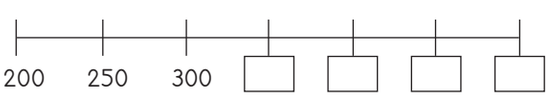



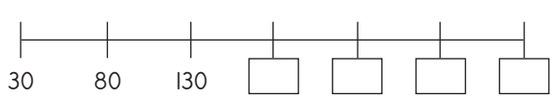

## Usuku 3 • Day 3

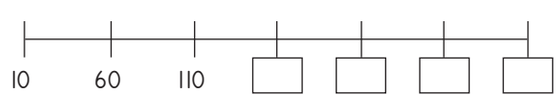
### Dibanisa ama-50.

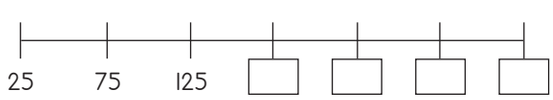
Add 50.



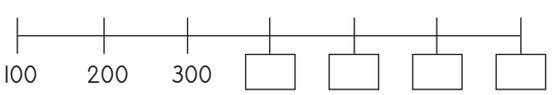



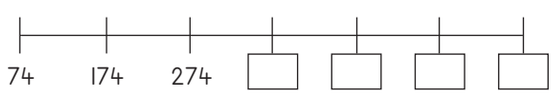



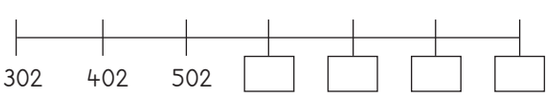

## Usuku 4 • Day 4

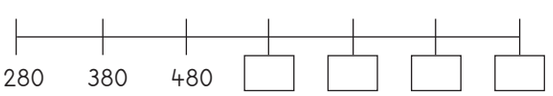
### Dibanisa i-100.

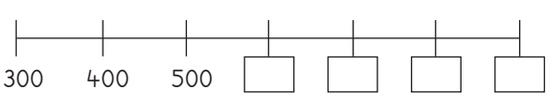
Add 100.



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## Usuku 1 • Day 1

### Bala ngama-10.

Count in 10s.

10, ____, 30, 40, _____, 60

50, 60, _____, _____, 90, 100

100, _____, 120, 130, _____, 150

_____, 70, 80, _____, _____, 110

200, _____, _____, 230, 240, _____

100, _____, 80, 70, _____, 50

50, 40, _____, _____, 10, 0

320, _____, 300, 290, _____, 270

_____, 170, 160, _____, _____, 130

200, _____, _____, 270, 260, _____

## Usuku 2 • Day 2

### Bala ngama-20.

Count in 20s.

20, _____, 60, 80, _____, 120

40, 60, _____, _____, 120, 140

100, _____, 140, 160, _____, 200

_____, 200, 220, _____, _____, 280

300, _____, _____, 360, 380, _____

100, _____, 60, 40, _____, 0

260, 240, _____, _____, 180, 160

320, _____, 280, 260, _____, 220

_____, 480, 460, _____, _____, 400

600, _____, _____, 640, 620, _____

## Usuku 3 • Day 3

### Bala ngama-50.

Count in 50s.

0, _____, 100, 150, _____, 300

150, 200, _____, _____, 350, 400

300, _____, 400, 450, _____, 500

_____, 150, 200, _____, _____, 350

200, _____, _____, 350, 400, _____

1000, _____,900, 850, _____, 750

750, 700, _____, _____, 550, 500

300, _____, 250, 200, _____, 100

_____, 800, 750, _____, _____, 600

500, _____, _____, 350, 300, _____

## Usuku 4 • Day 4

### Bala ngama-100.

Count in 100s.

0, _____, 200, 300, _____, 500

400, 500, _____, _____, 800, 900

100, _____, 300, 400, _____, 600

_____, 500, 600, _____, _____, 900

300, _____, _____, 600, 700, _____

1000, _____, 800, 700, _____, 500

500, 400, _____, _____, 100, 0

720, _____, 520, 420, _____, 220

_____, 500, 400, _____, _____, 100

870, _____, _____, 570, 470, _____



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## Usuku 1 • Day 1

**Yahlula kubini.**

Halve.

10 _____

40 _____

50 _____

60 _____

70 _____

100 _____

400 _____

300 _____

200 _____

500 _____

## Usuku 2 • Day 2

**Yahlula kubini.**

Halve.

20 _____

30 _____

80 _____

90 _____

100 _____

120 _____

220 _____

140 _____

240 _____

340 _____

## Usuku 3 • Day 3

**Yahlula kubini.**

Halve.

126 _____

142 _____

164 _____

186 _____

144 _____

242 _____

220 _____

286 _____

280 _____

266 _____

## Usuku 4 • Day 4

**Yahlula kubini.**

Halve.

206 _____

226 _____

408 _____

468 _____

444 _____

208 _____

408 _____

206 _____

406 _____

666 _____



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## Usuku 1 • Day 1

**Phinda kabini.**

Double.

10 _____

40 _____

50 _____

60 _____

70 _____

100 _____

400 _____

300 _____

200 _____

500 _____

## Usuku 2 • Day 2

**Phinda kabini.**

Double.

20 _____

30 _____

80 _____

90 _____

100 _____

120 _____

220 _____

140 _____

240 _____

340 _____

## Usuku 3 • Day 3

**Phinda kabini.**

Double.

123 _____

133 _____

124 _____

134 _____

144 _____

132 _____

142 _____

125 _____

135 _____

145 _____

## Usuku 4 • Day 4

**Phinda kabini.**

Double.

116 _____

126 _____

127 _____

137 _____

147 _____

238 _____

248 _____

229 _____

239 _____

249 _____



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## Usuku 1 • Day 1

**Bhala inani elingaphantsi nge-10 nelingaphezulu nge-10.**

Write 10 less and 10 more.

_____ 143 _____

_____ 325 _____

_____ 446 _____

_____ 442 _____

_____ 267 _____

_____ 182 _____

_____ 467 _____

_____ 333 _____

_____ 378 _____

_____ 294 _____

## Usuku 2 • Day 2

**Bhala inani elingaphantsi ngama-20 nelingaphezulu ngama-20.**

Write 20 less and 20 more.

_____ 143 _____

_____ 325 _____

_____ 446 _____

_____ 442 _____

_____ 267 _____

_____ 182 _____

_____ 467 _____

_____ 333 _____

_____ 378 _____

_____ 294 _____

## Usuku 3 • Day 3

**Bhala inani elingaphantsi nge-100 nelingaphezulu nge-100.**

Write 100 less and 100 more.

_____ 143 _____

_____ 325 _____

_____ 446 _____

_____ 442 _____

_____ 267 _____

_____ 182 _____

_____ 467 _____

_____ 333 _____

_____ 378 _____

_____ 294 _____

## Usuku 4 • Day 4

**Bhala inani elingaphantsi ngama-50 nelingaphezulu ngama-50.**

Write 50 less and 50 more.

_____ 143 _____

_____ 325 _____

_____ 446 _____

_____ 442 _____

_____ 267 _____

_____ 182 _____

_____ 467 _____

_____ 333 _____

_____ 378 _____

_____ 294 _____



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## Usuku 1 • Day 1

**Fakela <, > okanye =.**

Fill in <, > or =.

7 × 4 _____ 4 × 7

6 × 4 _____ 4 × 7

7 × 8 _____ 8 × 7

7 × 8 _____ 5 × 8

5 × 5 _____ 4 × 4

10 × 4 _____ 10 × 7

7 × 10 _____ 10 × 7

7 × 7 _____ 6 × 7

9 × 9 _____ 10 × 9

3 × 10 _____ 10 × 3

## Usuku 2 • Day 2

**Fakela <, > okanye =.**

Fill in <, > or =.

3 × 4 _____ 6 × 2

6 × 4 _____ 3 × 8

3 × 4 _____ 6 × 3

6 × 4 _____ 3 × 4

7 × 7 _____ 8 × 8

2 × 4 _____ 1 × 4

1 × 4 _____ 2 × 2

10 × 4 _____ 5 × 7

4 × 10 _____ 8 × 5

9 × 9 _____ 8 × 8

## Usuku 3 • Day 3

**Fakela <, > okanye =.**

Fill in <, > or =.

4 × 4 _____ 4 + 4

7 + 7 _____ 7 × 7

6 × 2 _____ 3 × 4

7 × 2 _____ 1 × 14

8 × 5 _____ 5 × 7

10 × 10 _____ 10 + 10

3 + 3 _____ 3 × 3

5 × 5 _____ 4 × 5

5 × 4 _____ 5 × 5

8 × 4 _____ 5 × 8

## Usuku 4 • Day 4

**Fakela <, > okanye =.**

Fill in <, > or =.

2 × 5 _____ 5 + 5

18 + 18 _____ 6 × 6

5 × 9 _____ 10 × 5

20 + 20 _____ 4 × 10

7 × 2 _____ 2 × 7

2 × 0 _____ 2 × 1

0 × 6 _____ 4 × 0

9 × 2 _____ 9 + 9

10 × 1 _____ 9 × 9

8 × 6 _____ 6 × 8



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



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| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |



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# Ixesha elisetyenzisiweyo

Time elapsed

## Ixesha lokuqalisa

Start time

**4:00** Ekuseni
am

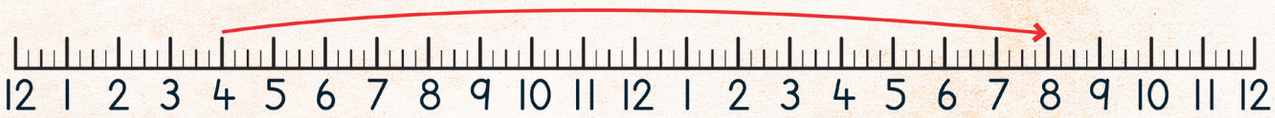
## Ixesha lokugqiba

Finish time

**8:00** Emva kwemini
pm

## Umgca wexesha

Time line




**Ekuseni**
am

**Emva kwemini**
pm

## Ixesha elidlulayo

Elapsed time

**16**

**Iyure**
Hours

**0**

**Imizuzu**
Minutes



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# lintsuku zeveki

## Days of the week

| | |
|---|---|
| UMvulo<br>Monday | ULwesibini<br>Tuesday |
| ULwesithathu<br>Wednesday | ULwesine<br>Thursday |
| ULwesihlanu<br>Friday | UMgqibelo<br>Saturday |
| ICawa<br>Sunday | |



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# linyanga zonyaka

## Months of the year

| | |
|---|---|
| EyoMqungu<br>January | EyoMdumba<br>February |
| EyoKwindla<br>March | EkaTshazimpunzi<br>April |
| EkaCanzibe<br>May | EyeSilimela<br>June |
| EyeKhala<br>July | EyeThupha<br>August |
| EyoMsintsi<br>September | EyeDwarha<br>October |
| EyeNkanga<br>November | EyoMnga<br>December |

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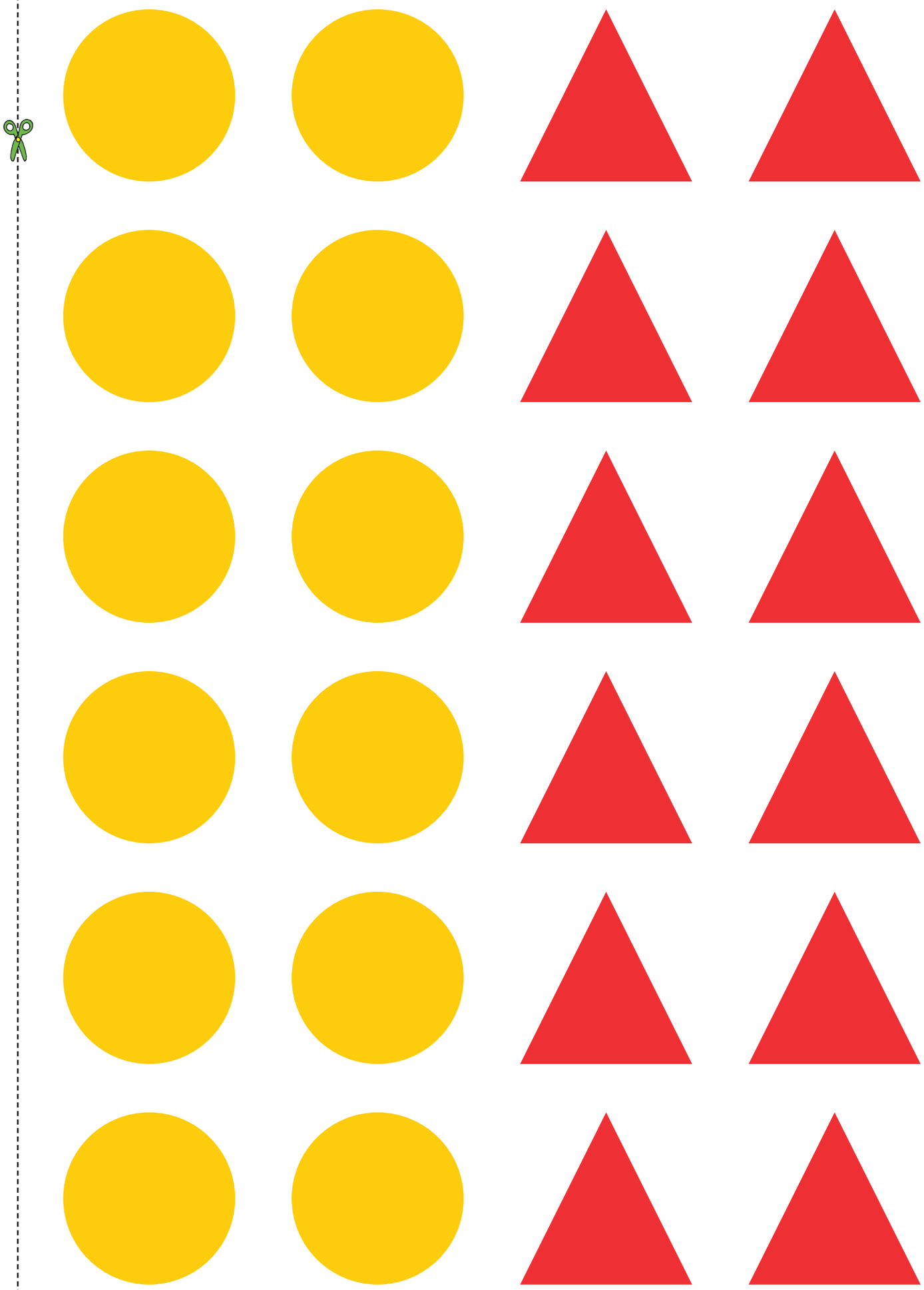



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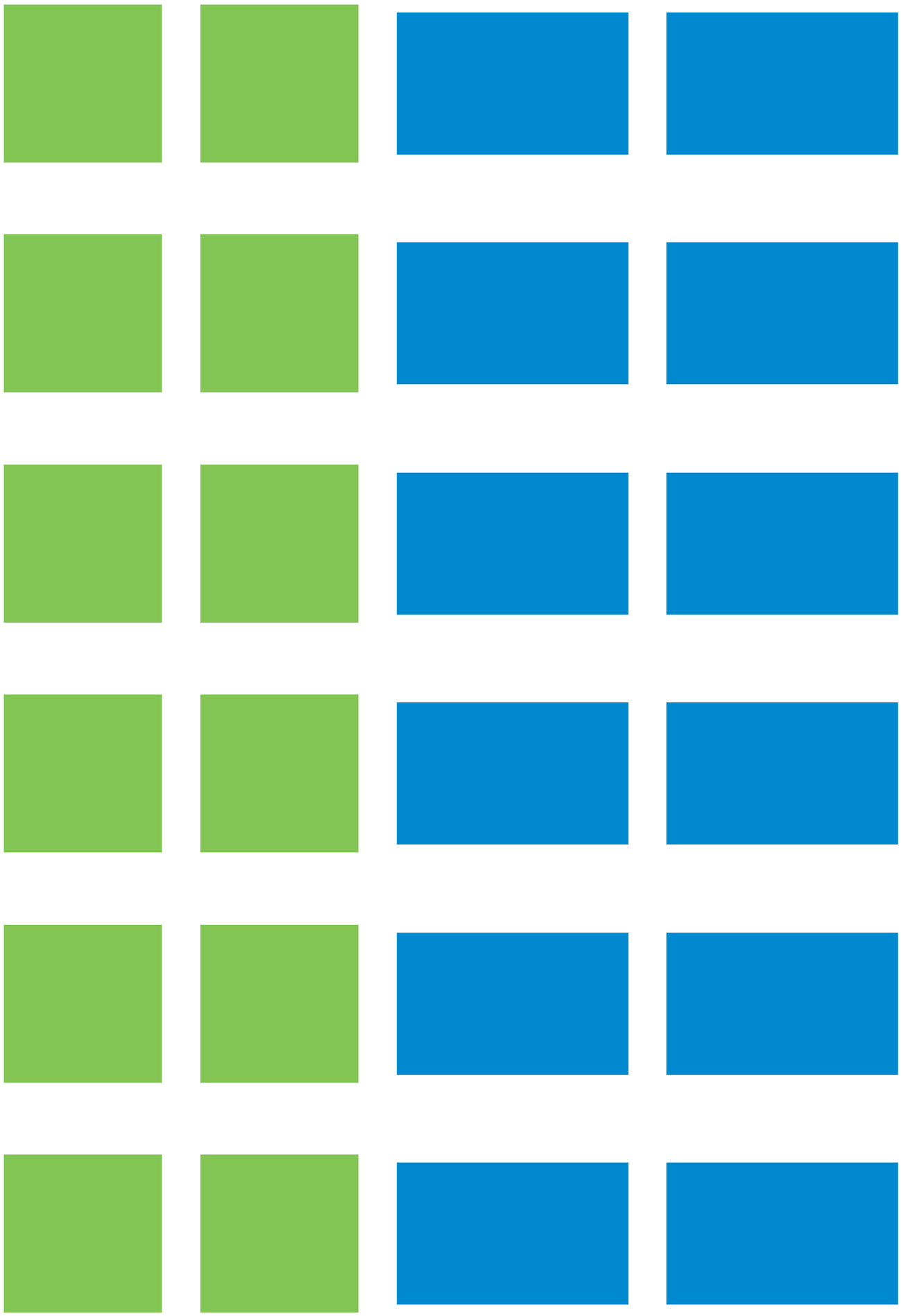



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